

NR SMITH

No. 341
REPLACEMENT PARTS CATALOG
VOLUME ONE

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REPLACEMENT PARTS CATALOG NO. 341



VOLUME ONE

G18U	G22CU	JT22CW
G18W	G22CW	JT22CW-2
GA18	GL22C	G26CU
GL18M	GL22MC	G26CW
G22U	GT22CU	GT26CW
G22W	GT22CW	GT26CU-2
G22WAC	GT22LC	GT26CW-2

LOCOMOTIVES



Electro-Motive Division
La Grange, Illinois, U.S.A., 60525

REPLACEMENT PARTS CATALOG NO. 341 INDEX

SUBJECT	P.L. GROUP
645 ENGINE—REFER TO CAT. 300	100
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WATER, LUBE AND FUEL OIL SYSTEM	500
FUEL SYSTEM EQUIPMENT	700
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ACCESSORY RACK EQUIPMENT	1000
INERTIAL AIR SYSTEM	1040
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FOREWORD

FORMAT AND TERMINOLOGY

This Replacement Parts Catalog provides parts ordering information for General Motors Export Locomotives powered by 645 diesel engines. Engine replacement parts for the above locomotives are found in Catalog 300.

The catalog is comprised of a series of subject groups called "Parts Lists". These parts lists are identified by a parts list number which is prefixed by an alphabetical letter. When a parts list is revised, the prefix will change in alphabetical order. For example, Parts List D750-E - Fuel System Equipment would become Parts List E750-E.

The Alphabetical Index, following this foreword, provides a quick reference to locomotive components and the parts lists in which they appear. The Locomotive Reference List, which follows the Alphabetical Index, gives the engine, generator and traction motor models for each locomotive model. Most units of measurement appearing in this catalog are given in U.S. standard units. A U.S. standard to metric conversion chart follows the Locomotive Reference Chart.

Immediately following the Conversion Chart is the Table of Contents. The Table of Contents is a listing of the parts lists in numerical sequence. Under the general headings of each parts list are detailed subject descriptions, part numbers, the pages in which they appear, and the applicable locomotive models. For example:

TABLE OF CONTENTS

Parts List Number	Subject	Part Number	Page No.	Locomotive Application
D3239-E	Accessory Control Cabinet			
	Cooling Fan Control Cabinet	9312973	1-2	JT22CW
	Cooling Fan Control Cabinet	9329636	3-4	GL18M
	Cooling Fan Control Cabinet	----	5-7	GT22HW, JT22CW-2

By referring to the Alphabetical Index first to locate the appropriate parts list for a particular item, and then utilizing the table of contents to find the specific application and page, most locomotive components can easily be found in the catalog.

Located at the back of the catalog is the Numerical Index. This is a complete listing of all part numbers contained in the catalog. The part numbers are listed in numerical, parts list, page, and reference number sequence. This index can be applied when the user has a part number and wants to identify the part, where it is used, and where it is located in the catalog.

The method of listing items within a parts list is termed the "indented system". Components of an assembly are indented to the right and appear directly beneath the assembly. These items are identified by a single word part name, whenever possible, followed by a detailed description. For example:

Ref. No.	Part Number	No. Req.	Description
1	8260930	1	STRAINER ASY. .. Fuel suction
2	8177027	1	HOUSING .. Strainer
3	8325646	1	COVER .. Strainer
4	8177030	1	SEAL .. Cover to housing

This does not mean that all the components of the assembly are cataloged. Those items which are not considered serviceable are not listed.

Items not identified by a part number in a parts list may be ordered by specifying on the purchase order the following: catalog number, parts list number, page number, reference number, complete description of the part and the assembly part number of which this item is a component. For example:

Ref. No.	Part Number	No. Req.	Description
1	9311027	1	PUMP ASY. .. Lube oil - Gear driven
2		1	BODY .. Lube oil pump

Order quantity 1, lube oil body, Catalog 341, Parts List C1158-E, Page 3, Reference Number 2, applied to 9311027 gear driven lube oil pump assembly.

Illustrations which apply to a parts list are assigned plate numbers. These plate numbers carry the same group number as the parts list and are followed by a plate serial number. For example, Plate C750E-1 indicates the plate is a part of parts list group 750-E; the prefix letter "C" indicates plate revision; and the serial number identifies the sequence of the plate within the parts list.

These illustrations are only intended to be used as a general guide for parts ordering purposes.

Additional information, in the form of subtitles, subheadings, and italicized notes, appears within the parts list. This information may further describe the subject or explain design changes, modifications and newly developed replacement parts. References to Maintenance Instructions and Pointers are also included. Oversize and undersize part number are listed in the description column of the parts list.

The number of components used in an assembly or application are shown on the text page in the column designated "Number Required". A dash (-) in the column indicates that either the item is not a component of an assembly or application, or that the optional quantities required are shown in the description column. For example:

Ref. No.	Part Number	No. Req.	Description
1	8360846		WASHER .. Plain - 1-9/32 I.D. 8 required with gen. bracket 12 required without gen. bracket

The letters (A,B,C, etc.) at the top of "Number Required" column denote either model application or assembly application.

The Reference Number indicates the part number location in the text and identifies the part location on the illustration. Where it is difficult to illustrate all the detailed parts of a group of parts, the reference numbers are bracketed to indicate their general location. If a part is not shown on the illustration, an asterisk (*) symbol will precede the reference number in the text.

SPECIAL CATALOG SYMBOLS

1) The plus (+) symbol preceding the Reference Number in the text indicates that the part listed is a repetition of that part from its primary catalog location. For example:

Ref. No.	Part Number	No. Req.	Description
+16	8067251	2	GASKET .. Inlet elbow to intercooler

While the part appears in Parts List 1155-E - Intercooler for clarity and catalog user convenience, its primary location is Parts List 1144-E - Air Compressor.

2) The option (φ) symbol preceding the Reference Number in the text means that one or more items of different types have been used in this application. This may be due to a design change or because of different supplier sources. For example:

Ref. No.	Part Number	No. Req.	Description
φ28	8365865	1	COOLER ASY. .. Lube oil (Young)
φ28	8373361	1	COOLER ASY. .. Lube oil (American Standard)

The option symbol here indicates that both Young and American Standard lube oil cooler assemblies are available and either one can be ordered.

3) The note (f) symbol preceding the reference number in the text implies that additional information regarding the part is found in the form of an italicized note within the parts list. For example:

Ref. No.	Part Number	No. Req.	Description
f24	8352041	1	ROD .. Piston

f No longer available. Recommend using complete cylinder assembly 9096227.

4) The asterisk (*) symbol preceding the reference number in the text indicates that the part is not shown on the illustration.

INSTRUCTIONS FOR LOCATING PARTS IN THE CATALOG

1) To find the part number for a required item, refer first to the Alphabetical Index to determine the applicable parts list number. For example, if a Lube Oil Cooler Assembly for a GT22CU locomotive is required, it will be found in the Alphabetical Index under "Cooler" and the appropriate Parts List Number is 938-E.

Secondly, proceed to this parts list number in the Table of Contents. The required part, its application, and the page number in the parts list where the part appears will be shown here. For example:

Parts List Number	Subject	Part Number	Page No.	Application
C938-E	Lube Oil Cooler Lube Oil Cooler Assembly		1-2	GT22CU,GT22CW,GT26CU,GT26CW, GT26CU-2,GT26CW-2

Finally, refer to the parts list and the page that includes the appropriate model in the model application. In our example, the part number for the Lube Oil Cooler Assembly applicable to a GT22CU locomotive will be found on Page 1.

2) If only the part number is known, proceed directly to the Numerical Index in the back of the catalog. Listed here are all the parts list, page, and reference numbers where this part number appears. Then, by referring to the parts list, the part number can be identified as to description, application, and quantity required.

ALPHABETICAL INDEX

CATALOG 341

For quick reference and convenience, the following Alphabetical Index denotes the Parts List applicable to the most commonly referred to items by description. Additional information, application and further definition of the Parts List can be found in the Table of Contents.

Description	P.L. No.	Description	P.L. No.
A			
ACCESSORY RACK EQUIPMENT	1007-E	BRACKET .. Flag & Marker Light	2501-E
ADAPTER .. Air Duct - Traction Motor	1522-E	BRAKE .. Hand	1580-E
ADAPTER .. Faston Terminal	9111	BREAKER .. Circuit	4923-E
ADAPTER .. Speed Recorder Axle Drive	1556-E	BREATHER .. Crankcase - Air Compressor	1164-E
ADAPTER .. Speed Recorder Head		BRUSH .. Carbon - Alternator - AR6	3316-E
AIR SYSTEM EQUIPMENT	1093-E	BRUSH .. Carbon - Alternator - AR10	3317-E
ALARM .. Box - Savety Control	2410-E	BRUSH .. Carbon - General List	9136
ALTERNATOR .. AR6	3316-E	BRUSH .. Carbon - Generator - D25	3310-E
ALTERNATOR .. AR10	3317-E	BUFFER .. Friction	2711-E
ALTERNATOR .. Head End Power	3709-E	CABINET .. A.C. Control	1007-E
	4322-E	CABINET .. Accessory Control	3239-E
AMMETER .. Traction Motor Indicating		CABINET .. Compressor Control	3239-E
		CABINET .. Electrical Control	3243-E
	4330-E		3244-E
	4331-E		
ARMATURE .. Generator - D25	3310-E	CABINET .. Head End Power	3246-E
ARMATURE .. Generator - D32-T	3311-E	CABLE .. Battery Connector	9130-E
		CABLE .. Electrical	9106
ARMATURE .. Traction Motor	3913-E	CAGE .. Roller - Journal Box	1556-E
ARRESTOR .. Flame	750-E	CAP .. Bearing - D32-T	3311-E
ASPIRATOR .. Generator Pit	3610-E		
AXLE DRIVE GEAR UNIT	1570-E	CAP .. Filler - Water Tank	1007-E
B		CAP .. Water Filler	513-E
BANK .. Rectifier - AR6	3316-E	CAPACITORS	9105-E
BANK .. Rectifier - AR10	3317-E	CARRIER .. Coupler	2711-E
BATTERY .. Storage	9130-E	CHAIN .. Hand brake	1580-E
BEARING .. Armature - Traction Motor	3913-E		
BEARING .. Roller - Armature - D32-T	3311-E	CHAIN .. Safety - Handrail	2605-E
		CLAMP .. Cable	9128
BEARING .. Roller - Rotor - AR6	3316-E	CLAPPER .. Bell	2945-E
BEARING .. Roller - Rotor - AR10	3317-E	CLEAT .. Cable	9106
BEARING .. Roller - Rotor - D25	3310-E	COIL .. Main pole - D-32-T	3311-E
BEARING .. Support - Traction Motor	3929-E	COIL .. Main Pole and Field - D25	3310-E
BELL .. Alarm	4250-E	COIL .. Rotor - AR6	3316-E
		COIL .. Rotor - AR10	3317-E
BELL .. Pneumatic	2945-E	COIL .. Stator - AR6	3316-E
BLADE .. Shutter	554-E	COIL .. Stator - AR10	3317-E
BLADE .. Window Wiper	2106-E	COMMUTATOR .. Generator - D25	3310-E
BLOCK .. Battery Spacer Shim	9130-E	COMMUTATOR .. Generator - D32-T	3311-E
BLOCK .. Thrust	1556-E	COMPARTMENT .. Circuit Breaker	3244-E
		COMPARTMENT .. Fuse and Switch	1112-E
BLOWER .. Auxiliary Generator	3610-E	COMPRESSOR .. Air - ABOV	
BLOWER .. Dust Bin Air Discharge	1045-E		
BOARD .. Terminal	6703-E	COMPRESSOR .. Air - ADJV	1106-E
BOX .. Journal	1556-E	COMPRESSOR .. Air - WBG,WBO	1144-E
BOX .. Air - AR6	3316-E	COMPRESSOR .. Air - WXOV	1100-E
		COMPRESSOR .. Water Cooler	2428-E
BOX .. Air - AR10	3317-E	CONNECTOR .. Bolted - Traction Motor Cable	9111
BOX .. Air - D25	3310-E	CONNECTOR .. Clasp - Traction Motor Cable	9111
BOX .. Air - D32-T	3311-E		
BOX .. Alarm - Safety Control	2410-E		
BOX .. Accessory Junction	3239-E		

ALPHABETICAL INDEX

Description	P.L. No.	Description	P.L. No.
C (Continued)			
CONNECTOR .. Compensating - D32-T	3311-E	CYLINDER .. L.P. - Air Compressor	1100-E
CONNECTOR .. Wire	9111		1106-E
	4322-E		1112-E
CONSOLE .. Engineer's Control	4330-E		1144-E
	4331-E	D	
CONTACTOR .. "A" Valve Relay	5432-E	DIODE .. Silicon - Alternator	3316-E
CONTACTOR .. Battery Field	5401-E		3317-E
CONTACTOR .. "C" Valve Relay	5432-E	DIPSTICK .. Oil Level - Air Compressor	1100-E
CONTACTOR .. Cooling Fan Control	5402-E		1144-E
		DISC .. Generator Coupling - D32-T	3311-E
CONTACTOR .. Engine Purge Control	5377-E	DOOR .. Air Brake Rack Access	2501-E
	5381-E	DOOR .. Battery Box	2501-E
CONTACTOR .. Field Shunting	5383-E		9130-E
	5408-E	DOOR .. Cab Access	2425-E
CONTACTOR .. Generator Field	5401-E	DOOR .. Carbody	2501-E
CONTACTOR .. Generator Field Aux.		DOOR .. Long Hood	
CONTACTOR .. Generator Field Decay	5377-E	DRIVE .. Axle	1570-E
CONTACTOR .. Generator Field Relay	5432-E	DRIVE .. Flexible Coupling	3650-E
CONTACTOR .. Generator Start	5377-E	DRIVE .. Speed Increaser, Fan and No. 2	
	5432-E	Traction Motor Blower	1210-E
CONTACTOR .. Head End Power	5406-E	DRIVE .. Speed Recorder	2137-E
CONTACTOR .. Load Regulator	5432-E	DRUM .. Handbrake Chain	1580-E
CONTACTOR .. Power - Brake, Parallel, Series	5405-E	DUCT .. Air - Generator and Traction Motor	3610-E
	5424-E	DUCT .. Air - Traction Motor	1522-E
CONTACTOR .. Shunt Field	5432-E	DYNAMIC BRAKE HATCH EQUIPMENT	3110-E
CONTACTOR .. Starting Auxiliary		E	
CONTACTOR .. Train Lighting Mainline	5377-E	ELEMENT .. Carbody Air Filter	2501-E
CONTACTOR .. Train Lighting System	5402-E	ELEMENT .. Electrical Cabinet Air Filter	3247-E
CONTROL .. DBBF - 2,3,4	3243-E	ELEMENT .. Lube Oil Filter	940-E
CONTROL .. Safety - Alarm Box	2410-E	ELEMENT .. Temperature Switch	5524-E
CONTROLLER .. Locomotive	4334-E	ENCLOSURE .. Circuit Module	4002-E
		EXCHANGER .. Heat - Fuel	780-E
COOLER .. Drinking - Electric Water	2428-E	F	
COOLER .. Lube Oil	938-E	FAN .. Air Circulating - Cab	4122-E
CORE .. Radiator Cooling	549-E		1205-E
COUPLER .. Alignment Control	2711-E	FAN .. Cooling - Mechanical	1210-E
COUPLER .. Non-Alignment Control		FAN .. Defroster - Cab	4122-E
COUPLING .. Flexible	1801	FAN .. Grid Blower Motor	4127-E
COUPLING .. Flexible - Aux. Gen. Drive	3650-E	FAN .. Engine Cooling - Electrical	4123-E
COUPLING .. Flexible - Compressor End	1200-E	FILLER .. Fuel Oil	750-E
COUPLING .. Flexible - Generator End	4110-E	FILTER .. Air - Type 818-1-20	1095-E
COUPLING .. Flexible - Fuel Pump			1007-E
COVER .. Commutator - Traction Motor	3913-E	FILTER .. A.C. Cabinet - Centrifugal	1093-E
	1100-E		3239-E
CRANKCASE .. Air Compressor	1106-E	FILTER .. Air - Air Compressor	1164-E
	1112-E		1165-E
	1144-E	FILTER .. Air - Carbody	2501-E
CUP .. Oil Filler - Journal Box	1556-E	FILTER .. Air - Electrical Cabinet	3247-E
CYLINDER .. Air - Shutter	554-E	FILTER .. Air Intake - Inertial	1045-E
	555-E		
	1100-E		
CYLINDER .. H.P. - Air Compressor	1106-E		
	1112-E		
	1144-E		

ALPHABETICAL INDEX

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F (Continued)		H	
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FILTER .. Circuit - AR10	3317-E	HANDRAIL .. Front and Rear	2605-E
FILTER .. Fuel Oil	750-E	HANDRAIL .. Side	2620-E
FILTER .. Lube Oil	940-E	HANGER .. Jumper Cable	5711-E
FRAME .. Alternator - AR6	3316-E	HATCH .. Dynamic Brake	3110-E
FRAME .. Alternator - AR10	3317-E	HATCH .. Engine Air Filter	} 2501-E
FRAME .. Stator - D25	3310-E	HATCH .. Manifold	
FUSE .. Ferrule Contact	} 4923-E	HATCH .. Non - Dynamic Brake	
FUSE .. Knife Blade Contact		HATCH .. Turbocharger	
FUSE .. Starting Motor			
G			
GAUGE .. Air Pressure	1805-E	HEAD .. Cylinder - L.P. - Air Compressor	} 1100-E 1106-E 1112-E 1144-E
GAUGE .. Fuel Oil	750-E		
GAUGE .. Lube Oil Pressure	1805-E		
	1100-E		
GAUGE .. Oil Level Float - Air Compressor	} 1106-E 1112-E 1144-E	HEAD .. Cylinder - H.P. - Air Compressor	} 1100-E 1106-E 1112-E 1144-E
		1144-E	
GAUGE .. Vacuum	1805-E	HEAD .. Speed Recorder	2133-E
GAUGE .. Water Level	544-E	HEADER .. Radiator	549-E
GAUGE .. Water Temperature	1805-E	HEATER .. Cab	4122-E
GEAR .. Axle - Traction Motor	3898-E	HEATER .. Immersion	4250-E
GEAR .. Draft	2711-E	HOLDER .. Brush - AR6	3316-E
		HOLDER .. Brush - AR10	3317-E
GEAR .. Pinion - Traction Motor	3898-E	HOLDER .. Brush - Aux. Gen.	3705-E
GEAR CASE .. Traction Motor - D29,D29CC	3931-E	HOLDER .. Brush - D25	3310-E
GEAR CASE .. Traction Motor - D75,D77	3930-E	HOLDER .. Brush - D32-T	3311-E
GEAR UNIT .. Axle Drive	1570-E	HOLDER .. Brush - D14	} 3316-E 3317-E
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GENERATOR .. Auxiliary - D.C.	3705-E	HOLDER .. Fuse	4923-E
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GENERATOR .. Main - D32-T	3311-E	HORN .. Air	2940-E
	2415-E	HOSE .. Air Brake	1094-E
GLASS .. Cab Door	} 2425-E		
GLASS .. Number Box	} 2415-E	HOUSING .. Bearing - AR6	3316-E
GLASS .. Sliding Sash		HOUSING .. Bearing - AR10	3317-E
GLASS .. Stationary Cab		HOUSING .. End - D32-T	3311-E
GLASS .. Windshield - Cab		HOUSING .. Journal Box	1556-E
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GRILL .. Shutter	554-E		
GUARD .. Air Comp. Drive Shaft	1007-E	INDICATOR .. Air Flow	} 1805-E 4322-E
GUARD .. Axle Dust - Traction Motor	3926-E		
GUARD .. Drive Shaft and Coupling	1200-E	INDICATOR .. Heat - Odor Bomb	1556-E
GUARD .. Flexible Coupling Drive	3610-E	INTERLOCK .. Auxiliary	5177-E
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GUARD .. Flywheel	} 3316-E 3317-E	INTERPOLE .. Coil - D25	3310-E
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JUMPER .. Power Plant	} 5711-E	MOTOR .. Blower	4127-E
JUMPER .. Steam Generator		MOTOR .. Cab Heater	4122-E
JUMPER .. Train Lighting		MOTOR .. Fuel Pump	4110-E
		MOTOR .. Traction	3913-E
K		MOTOR .. Traction - D29 and D29CC	3904-E
KIT .. Alternator Bearing Seal	3317-E	MOTOR .. Traction - D75MC and D79MC	3901-F
KIT .. Armature Rewind - Aux. Gen.	} 9135	MOTOR .. Traction - D75B,D77B,B1,C	3913-E
KIT .. Armature Rewind - Dyn. Brake Grid		MOTOR .. Vane - Load Regulator	4522-E
Blower Motor		MOTOR .. Water Cooler	2428-E
KIT .. Armature Rewind - Main Generator		MOUNTING .. Traction Motor - D75MC	3815-E
KIT .. Armature Rewind - Traction Motor	and D79MC		
L		P	
KIT .. Capacitor - Circuit Filter	3316-E	PAD .. Jacking	2501-E
KIT .. Deflector Conversion - WBO Air Comp.	3317-E	PANEL .. Ammeter Shunt	3249-E
KIT .. Deflector Conversion - V.BG Air Comp.	} 1144-E	PANEL .. AR10 Diode Protection	3244-E
KIT .. Oil Seal - Air Compressor		PANEL .. Brake Warning	3244-E
KIT .. Pump - Gear Type - Air Compressor	1100-E	PANEL .. Circuit Breaker	} 3243-E
	1106-E		
	1144-E	PANEL .. Compressor Unloader	1180-E
	KIT .. Stator - AR10 Alternator	} 9135	PANEL .. Dynamic Brake
KIT .. Stator - Engine Cooling Fan	PANEL .. Engine Control		} 3243-E
KIT .. Stator - Main Generator	PANEL .. Excitation Control		
KIT .. Stator - Traction Motor			
L		PANEL .. Fuse and Switch	} 3243-E
LAMPS	5914-E		
LATCH .. Hood Access Door	2501-E	PANEL .. Generator Shunt	3249-E
LATCH .. Walkway Ramp	2605-E	PANEL .. Head End Control	} 3244-E
LEVER .. Handbrake	1580-E	PANEL .. IDAC	
LEVER .. Uncoupler	2711-E	PANEL .. Main Control	} 3243-E
LIFTER .. Coupler Lock	2711-E		
LIGHT .. Cab Ceiling	} 5914-E	PANEL .. Rate Control	3244-E
LIGHT .. Classification		PANEL .. Rectifier	3243-E
LIGHT .. Engine Room		PANEL .. Resistor	} 3243-E
LIGHT .. Ground			
LIGHT .. Indicator		PANEL .. Safety Alarm	2410-E
LIGHT .. Number Box		PANEL .. Sensor By-Pass	} 3244-E
LIGHT .. Portable		PANEL .. Throttle Response	
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P (Continued)			
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PISTON .. Vacuum Exhaust	1112-E	REGULATOR .. Dynamic Brake Limiting	4508-E
PLATFORM .. Walkway	2605-E	REGULATOR .. Load	4522-E
PLUG .. A.C. Cabinet		REGULATOR .. Voltage	4523-E
PLUG .. Battery Charging		RELAY .. Brake Warning	5451-E
PLUG .. Engine Control Panel		RELAY .. General Purpose	5440-E
PLUG .. Fuel Pump			
PLUG .. Governor		RELAY .. Ground	5452-E
PLUG .. Headlight Cable		RELAY .. Immersion Heater	5499-E
PLUG .. Hood Attachment	5713-E	RELAY .. Micropositioner	5496-E
PLUG .. Immersion Heater		RELAY .. No Voltage	5499-E
PLUG .. Speed Recorder Light		RELAY .. Over Voltage	5451-E
PLUG .. Speed Recorder Overspeed Switch			
PLUG .. Speed Recorder Rheostat		RELAY .. Shunt Field Transfer	5345-E
PLUG .. Temperature Switch		RELAY .. Time Delay	5352-E
PLUG .. Water Cooler		RELAY .. Traction Motor Lockout	5345-E
PLOW .. Snow	2453-E	RELAY .. Transition	5450-E 5452-E
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	1106-E	RELAY .. Wheel Slip	5353-E 5394-E
PUMP .. Lube Oil - Air Compressor	1112-E 1144-E 1158-E	RESERVOIR .. Main Air	1093-E
PUMP .. Speed Recorder	2133-E		
PUMP .. Water Circulating	4250-E	RESISTOR .. Adjustable RESISTOR .. Battery charging RESISTOR .. Fixed RESISTOR .. Gen. Shunt Field RESISTOR .. Grid - Dynamic Brake RESISTOR .. Traction Motor Field Shunting	6914-E
R			
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RAMP .. Walkway	2605-E		
RECEPTACLE .. A.C. Cabinet		RING .. Collector - AR6 RING .. Collector - AR10 RING .. Connector - Negative RING .. Connector - Positive	3316-E 3317-E 3310-E 3310-E
RECEPTACLE .. Battery Charging			
RECEPTACLE .. Engine Control Panel			
RECEPTACLE .. Fuel Pump	5713-E		
RECEPTACLE .. Governor			
RECEPTACLE .. Headlight Cable			
RECEPTACLE .. Hood Attachment			
RECEPTACLE .. Immersion Heater			
RECEPTACLE .. Jumper	5711-E	RING SET .. Piston - Air Compressor	1100-E 1106-E 1112-E 1144-E 554-E
RECEPTACLE .. Speed Recorder Overspeed Switch			
RECEPTACLE .. Speed Recorder Rheostat	5713-E		
RECEPTACLE .. Temperature Switch			
RECEPTACLE .. Water Cooler		ROD .. Conn. - H.P. - Air Compressor	1100-E 1106-E 1112-E 1144-E
RECEPTACLE .. Speed Recorder Light			
RECORDER .. Speed	2133-E 2137-E	ROD .. Conn. - L.P. - Air Compressor	1100-E 1106-E 1112-E 1144-E
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SCREEN .. Shutter	543-E	VALVE .. Air Brake	4322-E
	549-E		4330-E
	554-E		4331-E
SEAT .. Cab	2420-E	VALVE .. Air Control - Window Wiper	2106-E
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SHAFT .. Air Compressor Drive	1200-E	VALVE .. Ball Cock	1850-E
SHAFT .. Speed Recorder - Flex. Drive	2133-E	VALVE .. Bell Operating	2945-E
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		VALVE .. Cartridge Type - Main Reservoir	
		VALVE .. Check - Main Reservoir	
STAND .. Engineer's Control	4322-E	VALVE .. D-1 Foot - Safety Control	4322-E
	4330-E		4331-E
	4331-E	VALVE .. Drain - A.C. Cab. Air Filter	1093-E
STARTER .. Magnetic - Immersion Heater	4250-E	VALVE .. Drain - Automatic and Manual	
STATOR .. AR6	3316-E	VALVE .. Magnet	4715-E
STATOR .. AR10	3317-E	VALVE .. Mixing - Thermostatic - Fuel Oil	780-E
STATOR .. D14	3316-E	VALVE .. MU Control	4322-E
	3317-E		4331-E
STATOR .. Generator - D25	3310-E	VALVE .. Oil Pressure Relief - Air Comp.	1152-E
STATOR .. Generator - D32-T	3311-E	VALVE .. Overspeed Reset	1093-E
STATOR .. Traction Motor	3913-E	VALVE .. Pressure & Suction - Air Compressor	1161-E
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SUPPORT .. Handrail	2605-E	Warning	
	2620-E	VALVE .. Safety - Main Reservoir	1900-E
SWITCH .. Air Temperature	5524-E	VALVE .. Sanding - Two-Way Check	
SWITCH .. Control - Pressure and Temperature	5524-E	VALVE .. Sanding - Solenoid Actuated	
SWITCH .. Emergency Fuel Cut-off	4927-E	VALVE .. Solenoid	4715-E
SWITCH .. Knife	4924-E	VALVE .. Thermostatic	525-E
SWITCH .. Magnetic - Brake, Motor, Reverser	5426-E	VENTILATOR .. Cab Roof	2410-E
SWITCH .. Push Button	4924-E	W	
SWITCH .. Roller Button		WHEEL .. Handbrake	1580-E
SWITCH .. Rotary		WHEEL .. Main Generator, Alternator and	
SWITCH .. Slide Button		Traction Motor Blower	3610-E
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SWITCH .. Traction Motor Cut-Out		WIPER .. Window	2106-E
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SWITCH .. Foot - Air Horn, Sanding and Service Brake	1900-E	Y	
T		YOKE .. Draft Gear	2711-E
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TANK .. Fuel	750-E		
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LOCOMOTIVE REFERENCE LIST

Locomotive Model	Engine Model	Generator Model	Traction Motor Model
G18U	8-645E	D25R	D29
G18W	8-645E	D25R	D75B,D77B
GA18	8-645E	D25S	D75MC,D77MC
GL18M	8-645E	AR6-D14	D29CC
G22U	12-645E	D32T	D29
G22W	12-645E	D25L,D25P, D32T	D75B,D77B
G22CU	12-645E	D25P, AR10G-D14	D29
G22CW	12-645E	D25P	D75B,D77B
GL22C	12-645E	D25P, AR10G-D14	D29CC
GT22CU	12-645E3, 12-645E3B	AR10F1-D14	D29
GT22CW	12-645E3, 12-645E3B	AR10F1-D14	D75B,D77B
JT22CW	12-645E3, 12-645E3B	AR10D3-D14, AR10F1-D14	D77B,D77B1
JT22CW-2	12-645E3, 12-645E3B	AR6D3-D14	D77B
G26CU	16-645E	D32T	D29
G26CW	16-645E	D32T	D75B,D77B
GT26CW	16-645E3, 16-645E3B	AR10A5-D14	D77B
GT26CU-2	16-645E3, 16-645E3B	AR10F-D14	D29
GT26CW-2	12-645E3, 12-645E3B	AR6A-D14, AR10F-D14, AR10F1-D14	D77B

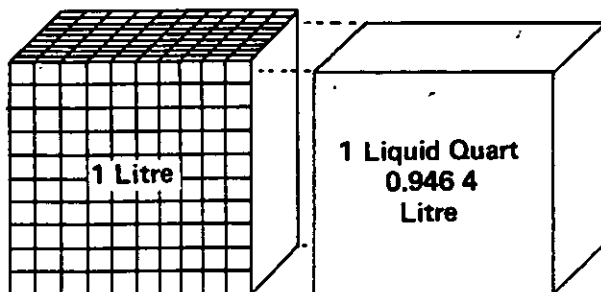
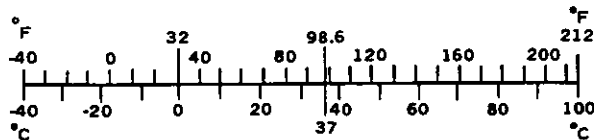
MODEL CODE

- G - Single Cab
- J - Cab at Both Ends
- A - Cardan Shaft Drive
- T - Turbocharged
- L - Light weight Underframe and Truck with D29CC Traction Motors
- U - D29 Traction Motors
- W - D75 or D77 Traction Motors
- C - 3 - Axle - 6 - Wheel Trucks (All Models not using the "C" Designation have 2 - Axle - 4 Wheel Trucks)
- 18 - 8 - Cylinder Engine
- 22 - 12 - Cylinder Engine
- 26 - 16 Cylinder Engine
- M - Modified Basic Model
- 2 - Electrical Control with Modules
- H - Electric Hotel Power (For Passenger Car Use)

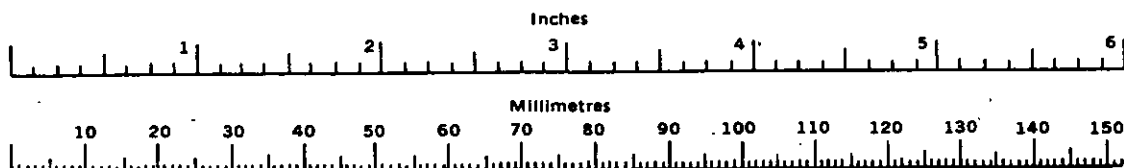
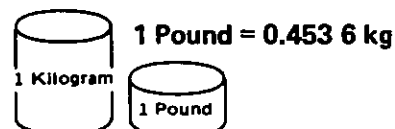
TABLE OF FREQUENTLY USED UNITS

Multiply	by	to get equivalent number of:
LENGTH		
Microinch	.025 4	micron (μ)
Inch	25.4	millimetres (mm)
Foot	0.304 8	metres (m)
Yard	0.914 4	metres
Mile	1.609	kilometres (km)
AREA		
Inch ²	645.2	millimetres ² (mm ²)
	6.45	centimetres ² (cm ²)
Foot ²	0.092 9	metres ² (m ²)
Yard ²	0.836 1	metres ²
VOLUME		
Ounce	29.574	centimetre ³ (cm ³)
Inch ³	16 387.	mm ³
	16.387	cm ³
	0.016 4	litres (l)
Ft ³	0.028 3	metre ³ (m ³)
Quart	0.946 4	litres
Gallon	3.785 4	litres
Yard ³	0.764 6	metres ³ (m ³)
MASS		
Ounce	28.350	grams (g)
Pound	0.453 6	kilograms (kg)
Ton	907.18	kilogram
Ton	0.907	tonne (t)
FORCE		
Kilogram	9.807	newtons (N)
Ounce	0.278	newtons
Pound	4.448	newtons
TEMPERATURE		
Degree Fahrenheit	($^{\circ}\text{F}-32$) $\div$ 1.8	degree Celsius ($^{\circ}\text{C}$)

Multiply	by	to get equivalent number of:
ACCELERATION		
Foot/sec ²	0.304 8	metre/sec ² (m/s ²)
Inch/sec ²	0.025 4	metre/sec ²
TORQUE		
Ounce-force-inch	0.007 06	newton-metre
	0.069 2	kilogram-metre
Pound-inch	0.112 98	newton-metres (N-m)
	0.011 52	kilogram-metres
Pound-foot	1.355 8	newton-metres
	0.138 25	kilogram-metres
POWER		
Horsepower	0.746	kilowatts (kW)
PRESSURE OR STRESS		
Inches of water	0.249 1	kilopascals (kPa)
Pounds/sq. in.	6.895	kilopascals
ENERGY OR WORK		
BTU	1 055.	joules (J)
Foot-pound	1.355 8	joules
Kilowatt-hour	3 600 000 or 3.6×10^6	joules (J = one W's)
LIGHT		
Footcandle	10.764	lumens/metre ² (lm/m ²)
FUEL PERFORMANCE		
Miles/gal	0.425 1	kilometres/litre (km/l)
Gal/mile	2.352 7	litres/kilometre (l/km)
VELOCITY		
Miles/hour	1.609 3	kilometres/hr. (km/h)



The comparative dimensions of an inch and a millimeter, a litre and a quart, and a kilogram and a pound are shown.



REPLACEMENT PARTS CATALOG NO. 341

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100	GROUP - 645 ENGINE - Refer To Catalog No. 300			
500	GROUP - WATER, LUBE AND FUEL OIL SYSTEM			
D513-E	Water, Lube and Fuel Oil System			
	Water, Lube and Fuel Oil Equipment	----	1-5	G18U,G18W,GA18
	Radiators, Tank, Exchanger	----	6-9	GL18M
	Filters and Regulator	----	10-14	G22U,G22W,G22CU,G22CW,
	Water, Lube and Fuel Oil Equipment	----	15-20	GL22C
	Water, Lube and Fuel Oil Equipment	----		
	Radiators, Tank, Heater, Exchanger,	----	21-26	JT22CW
	Filters and Regulator	----	27-32	G26CU,G26CW
	Water, Lube and Fuel Oil Equipment	----	33-34	G22CU,G22CW
	Low Water Cut-off Application	----		
B525-E	Two Element Thermostatic Valve	8224544	1	G18U,G18W,GA18
C543-E	Engine Water Cooling System			
	Radiators, Fittings, Gaskets and Couplings	----	1-7	GT22CU,GT22CW
	Radiators, Fittings, Gaskets and Couplings	----	8-12	GT26CW
	Radiators, Fittings, Gaskets and Couplings	----	13-16	GT26CU-2,GT26CW-2
	Fuel Oil Preheater and Piping	----	17-19	
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	Water Piping	----	20-26	GT26CW-2
A544-E	Water Tank Level Gauge	----	1	G18U,G18W,GA18,GL18M, G22U,G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW, GT22HW,JT22CW,JT22CW-2, G26CU,G26CW,GT26CW, GT26CU-2, GT26CW-2
A549-E	Engine Water Cooling Radiator			
	Radiator Assembly Reference Chart	----	1	
	Radiator Assemblies	----	2-11	G18U,G18W,GA18,GL18M G22U,G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW, JT22CW,JT22CW-2,G26CU, G26CW,GT26CW,GT26CU-2, GT26CW-2
A554-E	Automatic Shutters and Operating Mechanism			
	Screens, Shutters and Operating Rods	----	1-2	G22W,G22CU,GL22C,G26CW
	Grill, Screen, Shutter and Operating Rod	----	3-4	G18U,G18W,GA18
	Shutters, Mounting and Fittings	----	5-6	GT26CW
	Grills, Shutters, Mountings and Fittings	----	7-8	GT22CU,GT22CW,JT22CW-2, GT26CW,GT26CU-2,GT26CW-2
	Screens, Shutters and Operating Rods	----	9-10	G22U,G22W,G22CU,G22CW, GL22C,G26CU,G26CW
	Screens, Shutters and Operating Rods	----	11-13	G26CU,G26CW
	Shutter Assembly	9329709	14	GL18M
	Shutter Assemblies	----	15	G22U,G22W,G22CU,G22CW, GL22C
	Shutter Assemblies	----	16	G22U,G22W,G22CU,G22CW, GL22C,G26CU,G26CW
	Shutter Assemblies	----	17	G26CU,G26CW
	Shutter Assemblies	----	18	G26CU,G26CW
	Shutter Assemblies	----	19	JT22CW,GT26CW
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700 GROUP - FUEL SYSTEM EQUIPMENT				
D750-E	Fuel System Equipment			G18U,G18W,GL18M,G22U,G22W, G22CU,G22CW,GL22C
	Fuel Tanks, Gauges and Fillers - Reference List	----	1-2	} GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
	Fuel Tank Mounting Hardware	----	3	
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	Fuel Tank Filler Assembly	----	7	} G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW, JT22CW,JT22CW-2,G26CU, G26CW,GT26CW,GT26CU-2, GT26CW-2
	Flame Arrestor, Fuel Suction Strainer and Fuel Filter	----	8	
B780-E	Fuel Oil Heat Exchanger			
	Fuel Oil Heat Exchanger	----	1	JT22CW-2,G26CU,G26CW,GT26CW-2
	Thermostatic Mixing Valve	----	2	JT22CW-2,GT26CW-2
900 GROUP - LUBE OIL FILTER AND COOLER				
C938-E	Lube Oil Cooler			
	Lube Oil Cooler Assembly	----	1-2	GT22CU,GT22CW,GT26CU, GT26CW,GT26CU-2,GT26CW-2
A940-E	Lube Oil Filter			
	Two Element With Internal By-Pass Valve	8362642	1	G18U,G18W,GA18,GL18M G22U,G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW, G26CU,G26CW
	Four Element With External By-Pass Valve	----	2	
	Five Element With External By-Pass Valve	9500899	3	JT22CW-2
	Seven Element With External By-Pass Valve	----	4	JT22CW,GT26CW,GT26CU-2, GT26CW-2
1000 GROUP - ACCESSORY RACK EQUIPMENT				
C1007-E	Accessory Rack Equipment			
	Accessory Rack Equipment	----	1-8	GT22CU,GT22CW,GT26CU-2, GT26CW-2
	Accessory Rack Equipment	----	9-13	GT22HW,JT22CW-2
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1040 GROUP - INERTIAL AIR SYSTEM				
B1045-E	Inertial Air System			
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1090 GROUP - AIR SYSTEM EQUIPMENT					
----	Air and Air Brake Equipment List (Refer to Specific Unit Index)				
C1093-E	Air Brake Equipment Main Air Reservoir List Main Air Reservoir Check Valves and Safety Valves	----- -----	1 2	} G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2	
	No. 2 Main Air Reservoir Automatic and Manual Drain Valve	-----	3		G18W,GA18,GL18M,G22W, G22CU,G22CW,GL22C, GT22CU,GT22CW,G26CW, GT26CW,GT26CW-2
	Main Air Reservoir Manual Drain and Check Valves	-----	4	G18U,G18W,GA18,G22W,G22CU, G22CW,GL22C,GT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2	
	Main Air Reservoir Manual Drain Valves Cartridge type 599-1,599-4 and 595-5 Spring Loaded Check Valves	----- -----	5 6	GT26CW G18U,GL18M,G22W,GL22C, GT22CW,GT26CW,GT26CW-2	
	571-4 Three Way Relay Valve Brake Pipe Brake In Two Warning Whistle Reset Push Valve Overspeed Reset Push Pull Valve A.C. Cabinet Centrifugal Air Filter	8450784 8297187 8258221 8333051	7 8 9 10	GL18M,GT26CW G22W,JT22CW,GT26CW,GT26CW-2 GA18,G22CU,GT26CW-2 G22W,G22CU,GT22CU,GT22CW, GT26CW,GT26CU-2,GT26CW-2	
C1094-E	Air Brake Hose Brake Cylinder and End Connection Hoses Wire Braided Rubber Brake Cylinder and End Connection Hoses Cotton Braided Rubber	----- -----	1 2-5	} G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2	
A1095-E	Air Filter Auxiliary Main Reservoir Line Centrifugal Air Filter	8465764	1-2		G26CU
1100 GROUP - AIR AND EXHAUSTER COMPRESSOR AND AIR COMPRESSOR					
D1100-E	Air and Exhauster Compressor Model WXOV Compressor Pistons, Rings and Ring Sets	----- -----	1-5 6	} G16U,G16W,G18U,GA18, GL18M,G22CW,GT22CW	
D1106-E	Air and Exhauster Compressor Model ADJV Compressor Piston Assemblies and Ring Sets	----- -----	1-4 3		G18U,G22CU,GL22C,GT26CW-2
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D1152-E	Oil Pressure Relief Valve Oil Pressure Relief Valve Assemblies	-----	1-2	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
C1155-E	Intercooler	-----	1	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW-2, G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
C1158-E	Lubricating Oil Pump Lubricating Oil Pump Assembly	8130811	1	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
	Lubricating Oil Pump Assembly	8317892	2	GT26CW
	Lubricating Oil Pump Assembly	9311027	3	Henschel BBC AC/AC Comp. Set
D1161-E	Pressure and Suction Valves Low Pressure and Vacuum Cylinder Discharge Valve Low Pressure Cylinder Suction Unloading Valve Vacuum Cylinder Suction Unloading Valve High Pressure Cylinder Discharge Valve High Pressure Cylinder Suction Unloading Valve	----- ----- ----- ----- ----- ----- -----	1 2 3 4 5-6	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2 G18U,GA18,GL18M,G22W, G22CU,G22CW,GL22C, GT22CW,JT22CW,GT26CW-2 G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
C1164-E	Crankcase Breather and Air Filters Crankcase Breather Air Compressor Air Filters	----- ----- -----	1 2-3	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
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1200	GROUP - MECHANICAL DRIVES			
C1200-E	Air Compressor Mounting and Drive Mounting, Drive Shaft, Flexible Couplings and Guards - ABOV, ADIV, WBO and WXOV Air Compressor	----	1-2	G18U, G18W, G22U, G22W, G22CU, G22CW, GL22C, G26CU, G26CW
	Mounting, Drive Shaft, Flexible Couplings and Guards - WBG, WBO and WXOV Air Compressors	----	3-4	GA18, G22CU
	Mounting, Drive Shaft, Flexible Couplings and Guards - ABOV and WBO Air Compressors	----	5-6	JT22CW, JT22CW-2
	Mounting, Drive Shaft, Flexible Couplings, Guards and Piping - WBO Air Compressor	----	7-8	GT22CU, GT22CW, GT26CU-2, GT26CW-2
B1205-E	Radiator Cooling Fan Radiator Cooling Fan, Drive, Coupling and Guard	----	1-2	G18U, G18W, GA18
C1210-E	Speed Increaser and Cooling Fan Speed Increaser, Fan and No. 2 End Traction Motor Blower Drive Asy. Air Ducts, Mounting, Drive, Couplings and Guards	----- ----- ----- -----	1-5 6-8	G22U, G22W, G22CU, G22CW, GL22C, G26CU, G26CW
1500	GROUP - TRUCK AND ASSOCIATED EQUIPMENT			
----	Truck Assembly (Refer to Specific Unit Index)			
D1522-E	Traction Motor Air Duct Air Duct Application Air Duct Assembly	----- -----	1 2	G18U, G18W, G22U, G22W GL18M, G22CU, GL22C, G26CU, G26CW
	Air Duct Assembly	8254772	3	JT22CW-2, G26CW, GT26CW, GT26CW-2
	Air Duct Assembly	-----	4	G22CU, G22CW, GT22CU, GT22CW, GT26CU-2, GT26CW-2
	Air Duct Assembly	-----	5	G22CW
	Air Duct Assembly	-----	6	G22CW, JT22CW
	Air Duct Assembly	-----	7	G22CU, G26CU, GT26CU-2
D1556-E	Journal Boxes Hyatt 5-1/2 x 10 JMRA Roller Bearing Journal Box	----	1-2	G18U, G18W, G22W, G22CU, JT22CW-2, G26CW, GT26CW, GT26CU-2, GT26CW-2
	Hyatt 6 x 11 and 6-1/2 x 12 Hy-Roll Taper Roller Journal Box	----	3	G18W, GA18, G26CW, GT26CW
	Timken 6 x 11 Taper Roller Bearing Journal Box	8342136	4	G18U, GL18M, G22U, G22W, GL22C
	Timken 6-1/2 x 12 Hy-Roll Taper Roller Bearing Journal Box	8289941	5	G18U, G22U, G22W, G22CU, GT22CU, G26CU, GT26CU-2
	Hyatt 6-1/2 x 12 Hy-Roll Taper Roller Bearing Journal Box	7475501	6	G22CU, G22CW, GT22CU, GT22CW, G26CU, GT26CW
	Hyatt 6-1/2 x 12 Straight Roller Bearing Journal Box	----	7-8	G22CW

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D1556-E	Journal Boxes (Continued) Timken 6-1/2 x 12 Tapered Roller Bearing Journal Boxes and Adapters	----	9	G18W,G22W,G22CU,G22CW, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CW-2
A1565-E	Drive Shaft Assembly Outboard and Inboard Drive Gear Unit Drive Shaft Assemblies	----	1	GA18
B1570-E	Axle Drive Gear Unit Inboard and Outboard Axle Drive Gear Units	----	1-4	GA18
D1580-E	Hand Brake No. 800 - RG Hand Brake Assembly	----	1-2	G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,G26CU, G26CW,GT26CW,GT26CU-2, GT26CW-2
	No. 840 - DR Hand Brake Assembly	----	3-4	G18U,G18W,GA18
	No. 850 - NS Hand Brake Assembly	----	5-6	JT22CW,JT22CW-2
	No. 840 - FL Hand Brake Assembly	9329015	7-8	GL18M
1800 GROUP - FLEXIBLE COUPLINGS, DIAL GAUGES AND BALL COCK VALVES				
H801	Flexible Couplings Air, Water, Lube Oil Flexible Coupling Reference List	----	1-2	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
	Flexible Couplings and Sealing Compounds	----	3	
	Air, Water, Lube Oil Threaded and Bolted Flexible Coupling Reference List	----	4	
D1805-E	Dial Gauges Lube Oil Pressure Gauges	----	1	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
	Single Pointer Main Reservoir and Vacuum Air Control Gauges	----	2	
	Duplex Vacuum and Pressure Gauges	----	3	
	Brake Pipe Air Flow Indicator	8387634	4	
	Water Temperature Gauges	----	5	
	Vacuum, Air, Water and Lube Oil Gauges	----	6	
J1850	Ball Cock Valves Air, Fuel Oil, Lube Oil and Water Ball Cock Valves	----	1-4	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
1900 GROUP - SANDING EQUIPMENT				
D1900-E	Sanding Equipment Two Way Check Valves and Sand Traps	----	1	G18U,G18W,GA18,G22W,G22CU, G22CW,GL22C,GT22CU, GT22CW,JT22CW-2,G26CU, G26CW,GT26CW,GT26CU-2, GT26CW-2
	500-BS-1-20 Solenoid Actuated Sander Control Valve	8468204	2	G18U,G18W,GA18,GL18M,G22U, G22W,G22CW,GL22C, GT22CU,GT22CW,JT22CW-2, G26CW,GT26CW,GT26CU-2, GT26CW-2

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D1900-E	Sanding Equipment (Continued) Manual Foot Sanding, Service Brake Foot Pedal and Air Horn Switch	8295369	3	GL18M, JT22CW, GT26CW
2100	GROUP - WINDOW WIPER AND SPEED RECORDER			
C2106-E	Window Wiper Window Wiper Air Motor, Blades and Air Line Air Motors	----- -----	1-9 10-14	G18U, G18W, GA18, GL18M, G22U, G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW, JT22CW, JT22CW-2, G26CU, G26CW, GT26CW, GT26CU-2, GT26CW-2
	Pressure Regulating Valve	8310366	15	
B2133-E	Speed Recorder 0 to 120 KPH and 0-75 MPH Speed Recorders Speed Recorder Head Flexible Shaft, Hose and Conduit	----- ----- -----	1-6 7-8 9-10	G18U, G22W, G22CU, GL22C G18U, G22W, G22CU, GL22C, G26CW G18U, G22W, G22CU, GL22C, G26CW
A2137-E	Speed Recorder Bantam Speed Recorder Right Angle Drive Assembly	8309531 8448879	1-2 3	G18U
2400	GROUP - CAB EQUIPMENT AND PILOTS			
D2410-E	Cab Equipment Arm Rest and Sun Visor Assembly	-----	1	G18U, G18W, GA18, GL18M, G22U, G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW, JT22CW, JT22CW-2, G26CU, G26CW, GT26CW, GT26CU-2, GT26CW-2 GL18M, G22CU, G22CW, GL22C, GT22CU, GT22CW, GT26CW, GT26CU-2 JT22CW, JT22CW-2 GL22C, JT22CW
	Metal Awnings and Rear View Mirrors	-----	2	
	Arm Rest, Visor, Cab Vent and Locks Safety Control Alarm Box Assembly	----- 9311095	3 4	
D2415-E	Cab Sliding Sash and Stationary Windows Cab Front and Rear Facing Stationary Windows Cab Sliding Sash - Aluminum	----- -----	1-2 3-7	G18U, G18W, GA18, GL18M, G22U, G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW, JT22CW, JT22CW-2, G26CU, G26CW, GT26CW, GT26CU-2, GT26CW-2
D2420-E	Cab Seats Cab Seat Assembly - Fold Down Removable Back Rest, No Arm Rest, Slide Rail Mounted	8196957	1	G18U, G18W, GA18, GL18M, G22U, G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW, JT22CW-2, G26CU, G26CW, GT26CW, GT26CU-2, GT26CW-2 G18W, G26CW G18W, GA18, G22W, G22CU G22CU, G22CW, GT22CU, GT22CW G26CW
	Cab Seat Assembly - Fold Down Back Rest, No Arm Rest, Slide Rail Mounted Slide Rail Mounted Folding Cab Seat Assembly and Folding Observer's Seat	9087100	2	
	Observer's Cab Seat Assembly	8349729	3-4 4	
	Cab Seat Assembly - Fold Down Removable Back Rest, No Arm Rest, Pedestal Mtd.	8486734	5	

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C2425-E	Cab Access Doors Cab Access Door Assembly	----	1-2	G18U,G18W,GA18,G22U,G22W, G22CU,G22CW,GL22C, G26CU,G26CW
	Cab Access Door Assembly	----	3-4	G22CU,G22CW,GT22CU, GT22CW,GT26CU-2, GT26CW-2
	Cab Access Door Assembly	----	5-6	GT26CW
	Access Door Keyed Lock Body Assembly	----	7	G18U,G18W,GA18,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,G26CU, G26CW,GT26CW,GT26CU-2, GT26CW-2
B2428-E	Electric Water Cooler - Drinking Water Cooler Assembly Water Cooler Compressor Water Cooler Motor Assembly	8205870 8184413 8260381	1-2 3 4	} G18W,G22W,GT22CW,GT26CU-2
B2453-E	Pilots Front or Rear Road Pilots Front or Rear Road Pilots	---- ----	1 2	
	Front or Rear Road Pilots Front or Rear Road Pilot With Center Pilot Application	---- ---- ----	3 4	
2500	GROUP - CARBODY			
B2501-E	Carbody Hood Doors, Manifold, Turbo Hatch, Exhaust Stack, Battery Box Doors, End Side Steps, Switchman's End Ladder Steps, Walkway Light and Underframe Jacking Pads Hood Doors, Manifold and Turbo Hatch, Exhaust Stack, Battery Box Doors, Grab Irons, End Side Steps, Underframe Jacking Pads, Flag and Marker Light Brackets Hood Doors, Engine Filter Hatch, Manifold Cover Sheet, Handholds, Grab Irons, and End Side Steps Hood Doors, Exhaust Hatch, End Side Steps, Handholds, Flag and Marker Light Brackets Hatch and Hood Access Door Latch Asy.	---- ---- ---- ---- ---- ---- ---- ---- ----	1-4 5-8 9-11 12-15 16	GT26CW GT26CW-2 G22CU G26CW G22CU,G26CW,GT26CW,GT26CW-2
2600	GROUP - HANDRAILS AND SUPPORTS			
B2605-E	Handrails and Supports Rear End Arrangement - MU Operation Rear End Arrangement - Non-MU Operation Front and Rear End Arrangement - MU and Non-MU Operation	---- ---- ---- ----	1-4 5-7 8	GT26CW GT26CW,GT26CW-2 G18U,G22CU,G26CW, GT26CW,GT26CW-2

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B2620-E	Handrails and Supports			
	Side Handrails and Supports	----	1-2	GT26CW - Prior to late 1970
	Side Handrails and Supports	----	3-4	GT26CW - Since late 1970
	Side Handrails and Supports	----	5-6	GT26CW-2
	Side Handrails and Supports - Underframe Mounted	----	7-8	G22CU
	Side Handrails and Supports	----	9-10	G26CW
2700	GROUP - COUPLER AND DRAFT GEAR			
B2711-E	Coupler and Draft Gear			
	IX M6 Automatic Coupler, Draft Gear and Uncoupler	----	1	G18U,GA18,G22CU
	Type AP Coupler, Draft Gear and Uncoupler - Non-Alignment Control	----	2-3	G18U,G18W
	Type F Coupler Draft Gear and Uncoupler - Non-Alignment Control	----	4	GT26CU-2
	Type F Coupler, Draft Gear and Uncoupler - Alignment Control	----	5	G26CU
	Type F Coupler, Draft Gear and Uncoupler - Non-Alignment Control	----	6-7	G26CU
	Type E Coupler, Draft Gear and Uncoupler - Alignment Control	----	8	G22U,GT22CU
	Type E Coupler, Draft Gear and Uncoupler - Non-Alignment Control	----	9-10	G18U,G22W,G22CW
	"G" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Operated	----	11-12	GT26CW
	"E" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Mounted	----	13-14	G22W,GT26CW
	"3/4 Willison" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Mounted	----	15	GL18M
	Type E Coupler, Draft Gear and Uncoupler - Non-Alignment Control	----	16	G26CU
	Draw Hook, Draft Gear and Buffer	----	17-18	G22W,G22CU,G26CU,G26CW,GT26CW,GT26CW-2
	Draw Hook, Draft Gear and Buffer	----	19-20	GT22CW,G26CW
	Draw Hook, Draft Gear and Buffer	----	21	G22W
	Top Operated "AP" Coupler	----	22	G18U,G18W,GA18,G22U,GT26CU-2
	Type "E" and "F" Coupler - Alignment and Non-Alignment Control - Bottom Operated	----	23-24	G18U,G22W,G22CU,GL22C,GT22CU,G26CU,G26CW,GT26CW
	"G" Coupler - Bottom Operated	----	25	G18W,GT26CW
	"E" Coupler - Bottom Operated	----	26	GT26CW
	"E" Coupler - Bottom Operated	----	27	G26CU
	Draft Gear Assembly	----	28-29	G18U,G18W,GA18,G22U,G22W,GL22C,G26CU,G26CW,GT26CW
	Draft Gear Assembly	----	30	G22CU,GT22CU,GT26CU-2
	NC-390 Draft Gear Assembly	8420236	31	G26CU
	Uncoupling Arrangement - "AP" and "E" Coupler	----	32	G18U,G18W,GA18,G22U,G22W,G22CU,GL22C,GT22CU,G26CW,GT26CW,GT26CU-2
	Uncoupling Arrangement - "G" Coupling	----	33	G18W,GT26CW
	Coupler Carrier	----	34	G18U,G18W,GA18,G22U,G22W,G22CU,GL22C,GT22CU,G26CW,GT26CW

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2900	GROUP - HORN AND BELL			
A2940-E	Horn			
	Air Horn (Leslie)	----	1-3	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CW-2
	Air Horn (Nathan)	----	4	GT26CU-2
	Air Horn Operating Valve	----	5-6	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2,GT26CW-2
	Air Horn Operating Valve	8307151	7	G18U,G18W,GA18,GL18M,G22U, G22W,G22CU,G22CW, GL22C,GT22CW,GT26CW-2
	Solenoid Actuated Air Horn Operating Valve	----	8	G22W,G26CW,GT26CW
A2945-E	Bell			
	Bell and Bell Ringer Mounting	----	1	G18U,G18W,GA18,G22U,G22W G22CU,G22CW,JT22CW-2, G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
	Internal Bell Ringer and Bell Operating Valve	----	2	
3100	GROUP - DYNAMIC BRAKE EQUIPMENT			
A3110-E	Dynamic Brake Hatch Equipment			
	600 Amperes	----	1-2	GA18
	370 Amperes	----	3-4	G18U
	370 Amperes	----	5-6	G22CU,GL22C,G26CU
	600 Amperes	----	7-8	G22W
	370 and 600 Amperes	----	9-10	GT22CU,GT26CW,GT26CU-2, GT26CW-2
	600 Amperes	----	11-12	G22CW,G26CW
3200	GROUP - ELECTRICAL CONTROL CABINETS			
D3239-E	Accessory Control Cabinet			
	Cooling Fan Control Cabinet	9312973	1-2	JT22CW
	Cooling Fan Control Cabinet	9329636	3-4	GL18M
	Cooling Fan Control Cabinet	----	5-7	GT22HW, JT22CW-2
	Cooling Fans, Compressor and Shutter Control A.C. Cabinets	----	8-10	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	Sanding, Shutter and Clutch Panel	8383865	11	G22CU,GL22C,G26CW
	Accessory Junction Box Equipment	----	12	G22W,G22CU,GL22C, G26CU,G26CW
D3243-E	Electrical Control Cabinet			
	Electrical Control Cabinet Assemblies	----	1-5	G18U,G18W,GA18,G22W G22CW,G26CW
	Electrical Control Cabinet Assemblies	----	6-8	G18U,G18W,G22U,G22CU, GL22C,G26CU
	Electrical Control Cabinet Frame Assembly	----	9-13	G18U,G18W,GA18,G22U,G22W, G22CU,G22CW,GL22C, G26CU,G26CW
	Main Control Panel Assemblies	----	14-16	
	Engine Control Panel Assemblies	----	17-18	
	Wheel Slip Panel Assemblies	----	19	
	Resistor Panel Assemblies	----	20-21	
	Rectifier Panel Assemblies	----	22-23	
	Circuit Breaker Panel Assembly	9325827	24	G22W
	DBBF - Dynamic Brake/Battery Field Control Assembly	----	25-27	G18U,G22CU,G22CW,GL22C
	Voltage Limit Panel Assembly	8431594	28	G22U,G22CU

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C3244-E	Electrical Control Cabinet	----	1-7	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	Electrical Control Cabinet Assembly	----	8-20	GL18M,GT22HW,JT22CW, JT22CW-2,GT26CW-2
	Electrical Cabinet Frame Assembly	8472065	21-22	GT22CU,GT22CW,GT26CU-2, GT26CW-2
	Electrical Cabinet Frame Assembly	----	23-24	GT26CW
	Electrical Cabinet Frame Assembly	9325524	25-26	GL18M
	Electrical Cabinet Frame Assembly	9312233	27-28	JT22CW
	Electrical Cabinet Frame Assembly	9501002	29-30	JT22CW-2
	Electrical Cabinet Frame Assembly	----	31-32	GT22HW,GT26CW-2
	Main Control Panel Assembly	----	33-40	GL18M,GT22CU,GT22CW, GT22HW,JT22CW,JT22CW-2, GT26CW,GT26CU-2,GT26CW-2
	Rate Control Panel Assembly	8373273	41	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	Excitation Control Panel Assembly	----	42	GT26CW
	Sensor By-Pass Panel Assembly	8377230	43	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	Throttle Response Panel Assembly	----	44	
	Dynamic Brake and Brake Warning Panel Assemblies	----	45	GT26CW
	Engine Control Panel Assembly	----	46-48	GL18M,GT22CU,GT22CW, GT22HW,JT22CW,JT22CW-2, GT26CW,GT26CU-2,GT26CW-2
	Circuit Breaker Panel Assembly	----	49-51	
	Circuit Breaker Compartment Assembly	----	52	GT22HW,JT22CW-2,GT26CW-2
	Fuse and Switch Panel Assembly	----	53	GL18M,GT22CU,GT22CW, JT22CW,GT26CW,GT26CU-2, GT26CW-2
	Fuse and Switch Compartment Assembly	----	54	GT22HW,JT22CW-2,GT26CW-2
	Head End Control Panel Assembly	9516346	55	GT22HW
	Resistor Panel Assembly	----	56-57	GT22CU,GT22CW,GT26CU-2, GT26CW-2
	Resistor Panel Assembly	----	58	GT26CW
	Resistor Panel Assembly	----	59-60	GL18M,JT22CW,JT22CW-2
	Instant Detection and Correction (IDAC) Wheel Slip Panel Assembly	----	61-62	GT22CU,GT22CW,GT26CW GT26CU-2,GT26CW-2
	Transition Sequence Test Panel Assembly	----	63	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	AR10 Generator Diode Protection Panel Assembly	----	64	GT26CW
A3246-E	Electrical Cabinet			
	Head End Power Aux. Electrical Cabinet	9515887	1-2	GT22HW
C3247-E	Electrical Control Cabinet Filter Equipment			
	Air Filter Application	----	1	G22W,JT22CW,JT22CW-2
	Air Filter Application	----	2	GT22CU,GT22CW,GT26CW
	Air Filter Application	----	3	GL18M
A3249-E	Shunt Panel			
	Generator and Ammeter Shunt Panel Asy.	----	1	G18U,G18W,GA18,G22U, G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW, G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
B3286-E	Wheel Slip Control			
	Wheel Slip Control Panel Assembly	8397747	1-2	GT22CU,GT22CW,GT26CW, GT26CU-2,GT26CW-2
	Bridge Support Assembly	8398416	3	
	Control and Auxiliary Control Board Assemblies	----	4	

Parts List No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Water, Lube and Fuel Oil Equipment
G18U, G18W and GA18 Locomotive

PLATE C513-E-1

Ref. No.	Part Number	No. Req.	Description
		A -	Locomotives built prior to September, 1976
		B -	Locomotives built after September, 1976
1	8263390	1 1	RADIATOR ASY. .. Water cooling - See Parts List No. 549
2	179818	14 2	BOLT .. Radiator mounting - Top - 5/16 - 18 x 1 hex. head
3	102634	14 2	NUT .. 5/16 - 18 hex.
4	103320	14 2	WASHER .. Lock - 5/16
* 5	103340	4 -	WASHER .. Plain - 5/16
6	179883	2 -	BOLT .. Radiator mounting - Center - 1/2 - 13 x 1-1/4 hex. head
6	179891	- 7	BOLT .. Radiator mounting - Center - 1/2 - 13 x 2-1/2 hex. head
7	103323	2 -	WASHER .. Lock - 1/2
8	9416517	- 7	NUT .. Lock - 1/2 - 13
9	271609	4 4	BOLT .. Radiator mounting - Bottom - 3/4 - 10 x 1-3/4 hex. head
10	103326	4 4	WASHER .. Lock - 3/4
*11	8379841	1 1	VALVE .. Ball cock - Radiator drain - 3/4 F.P.T. - See Parts List 1850
12	8367400	1 1	ELBOW .. Engine water outlet
13	8347756	1 1	GASKET .. Water outlet elbow to crankcase
14	272563	4 4	BOLT .. Elbow to crankcase - 1 - 14 x 2-1/2 hex. head
15	121326	4 4	WASHER .. Lock - 1 inch
*16	103869	1 1	PLUG .. Pipe - 3/4 M.P.T.
17	8352767	2 2	GASKET .. Water outlet elbow to pipe and pipe to pipe
18	8126274	2 2	FLANGE .. Pipe - 3 in. weld
19	179889	8 8	BOLT .. Pipe flange - 1/2 - 13 x 2 hex. head
20	9416517	8 8	NUT .. Lock - 1/2 - 13 hex.
21	8468179	1 1	COUPLING ASY. .. Flexible - Eng. water outlet pipe - See P.L. 1801 - Form. 8471160
22	9319847	1 1	PIPE .. Engine water outlet to coupling - Form. 8399249
23	9319846	1 1	PIPE .. Coupling to radiator inlet pipe - Form. 8399249

The following components, ref. no.'s 24 thru 42 are applied to the radiator inlet and outlet piping on locomotives without radiator shutter.

24	8224544	1 1	VALVE ASY. .. Thermostatic - See Parts List 561
25	3310379	3 3	GASKET .. Thermostatic valve - Replaces 8040004
26	3386969	2 -	FLANGE .. Pipe - 3 in. weld - Thermostatic valve
*27	8395614	1 -	PIPE ASY. .. Thermostatic valve to radiator inlet
*27	9320183	- 1	PIPE ASY. .. Thermostatic valve to coupling
*28	9319858	- 1	PIPE ASY. .. Coupling to radiator inlet
*29	8471160	- 2	COUPLING ASY. .. Flexible - Radiator inlet and outlet - See P.L. 1801
30	8395603	1 -	PIPE ASY. .. Radiator outlet - Includes outlet tee
*30	9319860	- 1	PIPE ASY. .. Radiator outlet
31	271564	12 12	BOLT .. Thermostatic valve flanges - 5/8 - 11 x 2-1/2 hex. head
32	102639	12 12	NUT .. 5/8 - 11 hex.
33	103325	12 12	WASHER .. Lock - 5/8
34	8177371	2 1	GASKET .. Pipe to radiator header - Inlet and outlet - Replaces 8234119
*35	8432427	- 2	GASKET .. Inlet screen and header
*36	8432428	- 1	SCREEN ASY. .. Inlet header
37	179885	12 14	BOLT .. Flange to radiator header - 1/2 - 13 x 1-1/2 hex. head
38	103323	12 14	WASHER .. Lock - 1/2
39	8352787	1 -	GASKET .. Outlet flange
40	179889	4 -	BOLT .. Outlet tee to return pipe - 1/2 - 13 x 2 hex. head
41	102637	4 -	NUT .. 1/2 - 13 - hex.
42	103323	4 -	WASHER .. Lock - 1/2

8395471A 9320174 19606 20130 20672
8406445B 8399065 8399082L 8397398C 20985

AUGUST, 1980

1

D513-E

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
		A -	Locomotives built prior to September, 1976
		- B	Locomotives built after September, 1976

The following components, ref. no.'s 43 thru 52 are applied to the radiator inlet and outlet piping on locomotives with radiator shutter.

43	8406448	1	-	PIPE ASY. .. Radiator inlet - Formerly 8606488
*44	8406446	2	-	PIPE ASY. .. Radiator inlet and outlet
45	8406447	1	-	PIPE ASY. .. Radiator outlet
46	8352787	2	-	GASKET .. Pipe tp pipe - Radiator inlet and outlet
47	8177371	2	-	GASKET .. Pipe to radiator header - Inlet and outlet - Replaces 8234119
*48	8126274	2	-	FLANGE .. Radiator inlet and outlet
*49	179889	8	-	BOLT .. Pipe to pipe - 1/2 - 13 x 2 hex. head
*50	102637	8	-	NUT .. 1/2 - 13 hex.
*51	179885	12	-	BOLT .. Pipe to radiator header - 1/2 - 13 x 1-1/2 hex. head
*52	103323	20	-	WASHER .. Lock - 1/2
53	8395602	1	-	PIPE ASY. .. Radiator inlet
53	9319856	-	1	PIPE ASY. .. Radiator inlet
54	8395734	1	-	PIPE ASY. .. Radiator outlet
54	9319854	-	1	PIPE ASY. .. Radiator outlet
*55	9319857	-	1	PIPE ASY. .. Radiator outlet coupling to outlet
56	8081634	2	2	CLAMP .. Radiator outlet pipe
*57	179841	4	4	BOLT .. Radiator pipe clamp - 3/8 - 16 x 1-1/4 hex. head
*58	102635	4	4	NUT .. 3/8 - 16 hex.
*59	103321	4	4	WASHER .. Lock - 3/8
*60	9320167	-	2	CLAMP ASY. .. Radiator outlet pipe - Includes bracket
*61	9420156	-	6	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. head - Bracket mounting

The following components, ref. no.'s 62 thru 160 on pages 2,3 and 4 are applicable to columns "A" and "B".

62	8387174	1	ELBOW .. Heat exchanger water inlet
63	8399237	1	PIPE ASY. .. Heat exchanger water inlet
64	8352787	2	GASKET .. Heat exchanger water inlet and outlet
65	8126274	1	FLANGE .. Heat exchanger water inlet
*66	8382764	1	ELBOW .. Flanged - Heat exchanger water outlet
*67	179885	4	BOLT .. Flange to heat exchanger - 1/2 - 13 x 1-1/2 hex. head
*68	179887	2	BOLT .. Elbow to heat exchanger - 1/2 - 13 x 1-3/4 hex. head
*69	190270	2	BOLT .. Elbow to heat exchanger - 1/2 - 13 x 4-1/2 hex. head
*70	103323	8	WASHER .. Lock - 1/2
71	9311925	1	PIPE ASY. .. Heat exchanger outlet pipe - Formerly 8399239
72	8471160	1	COUPLING ASY. .. Flexible - Heat exch. outlet pipe - Repl. 8268387 - See P.L. 1801
73	9311924	1	PIPE ASY. .. Water pump inlet pipe - Formerly 8399238
74	8352787	1	GASKET .. Heat exchanger outlet pipe to inlet tee
75	8369036	1	FLANGE .. Heat exchanger outlet pipe to inlet tee
*76	179890	4	BOLT .. Flange to inlet tee - 1/2 - 13 x 2-1/4 hex. head
*77	9416517	4	NUT .. Lock - 1/2 - 13 hex.
78	8390156	1	TEE .. Water pump inlet
79	8354344	1	GASKET .. Water pump inlet tee - Formerly 8366787
*80	179885	4	BOLT .. Inlet tee to water pump - 1/2 - 13 x 1-1/2 hex. head
*81	103323	4	WASHER .. Lock - 1/2
*82	8099907	1	GAUGE .. Engine water inlet temperature - Repl. 8232106 - See P.L. 1805
83	8348620	1	PLUG .. Pipe - 1/2 M.P.T. square head
84	8474757	1	COUPLING ASY. .. Flexible - Water tank inlet tee pipe - Repl. 8332250 - See P.L. 1801
85	8358203	1	VALVE .. Ball cock - Engine water drain - 1 F.P.T. - See Parts List 1850
86	8399240	1	PIPE ASY. .. Water tank
87	8398178	1	TANK ASY. .. Water
88	8398001	1	NECK ASY. .. Water filler
*89	271558	4	BOLT .. Water tank mounting - 5/8 - 11 x 1-1/2 hex. head
*90	103325	1	WASHER .. Lock - 5/8
*91	9416520	3	NUT .. Lock - 5/8 - 11 hex.

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description	
92	----	1	CAP ASY. .. Water filler - Spring loaded 8292303 .. 4 P.S.I. 9087321 .. 7 P.S.I. - Repl. 8367366 and 9082048	
93	8292432	1	CHAIN ASY. .. Filler cap	
94	----	1	GAUGE ASY. .. Water tank water lever - See Parts List 544	
*95	----	1	PLATE .. Name - Water level gauge 8398579 .. English markings 8405360 .. Persian markings 8406178 .. Spanish markings - Alto/Full - Bajo/Low 8413831 .. Spanish markings - Lleno/Full - Bajo/Low 8425566 .. Afrikaans markings	
*96	145369	3	SCREW .. Name plate - No. 4 drive	
*97	8367623	1	MANIFOLD .. Temperature switch	
*98	8268162	1	WELL .. Thermometer	
φ*99	8334774	1	SWITCH .. Hot engine alarm (ETS) - GA18,G18U,G18W	} See P.L. 5524
φ*99	8448173	1	SWITCH .. Hot engine alarm (ETS) - G18U	
φ*100	8334773	1	SWITCH .. Shutter control (TB) - GA18,G18U,G18W	
φ*100	8441559	1	SWITCH .. Shutter control (TB) - G18U	
*101	8314926	3	GASKET .. Switch and flange to manifold	
*102	8316180	1	FLANGE .. Blind - Switch	
*103	179841	6	BOLT .. Switch and flange to manifold - 3/8 - 16 x 1-1/4 hex. head	
*104	103321	6	WASHER .. Lock - 3/8	
*105	103341	6	WASHER .. Plain - 3/8	
φ*106	8324136	2	PLUG .. Switch connection - 3 pole female	
φ*106	8425056	2	PLUG .. Switch connection - 3 pole female	
φ*107	8475694	AR	CABLE .. 2 - 16 AWG. - G and D insul. - 50 ft. roll - Replaces 8337786	
φ*108	8337787	AR	CABLE .. 3 - 16 AWG. - G and D insul. - Sold per foot	
φ*109	8468611	AR	CABLE .. 14 AWG. - LF insulation - 500 ft. roll	
*110	8250906	AR	TERMINAL .. Faston - Female	
111	8362642	1	FILTER ASY. .. Lube oil - See Parts List 940	
*112	271558	4	BOLT .. Filter mounting - 5/8 - 11 x 1-1/2 hex. head	
*113	103325	4	WASHER .. Lock - 5/8	
114	8164060	1	ELBOW .. Scavenging pump	
115	8029467	1	GASKET .. Scavenging pump elbow	
116	8399244	1	TUBE .. Scavenging pump	
*117	179885	2	BOLT .. Scavenging pump elbow - 1/2 - 13 x 1-1/2 hex. head	
*118	179885	2	BOLT .. Scavenging pump elbow - 1/2 - 13 x 3-1/2 hex. head	
*119	103343	4	WASHER .. Plain - 1/2	
*120	103323	4	WASHER .. Lock - 1/2	
121	8062487	1	TEE .. Union - 2 x 2 x 2 I.P.S. socket weld	
122	8330693	1	VALVE .. Lube oil by-pass - 80 P.S.I. - 2 F.P.T.	
123	8219795	1	TEE .. Lube oil by-pass (at by-pass valve) 2 F.P.T. x 2 I.P.S. x 2 I.P.S.	
124	189072	1	BUSHING .. Reducing - 2 M.P.T. x 1/2 F.P.T.	
*125	8062398	1	ELBOW .. Filter inlet pipe - 2 I.P.S. socket weld	
*126	8137287	1	FLANGE .. Lube oil filter inlet	
*127	8322137	1	FLANGE .. Lube oil filter outlet	
128	8352787	2	GASKET .. Lube oil filter inlet and outlet	
*129	179885	8	BOLT .. Flange to filter - 1/2 - 13 x 1-1/2 hex. head	
*130	103343	8	WASHER .. Plain - 1/2	
*131	103323	8	WASHER .. Lock - 1/2	
*132	8382763	2	ELBOW .. Flanged - Lube oil - Heat exchanger inlet and outlet	
*133	8221289	2	GASKET .. Flange to heat exchanger	
*134	271558	8	BOLT .. Flange to heat exchanger - 5/8 - 11 x 1-1/2 hex. head	
*135	103345	8	WASHER .. Plain - 5/8	
*136	103325	8	WASHER .. Lock - 5/8	

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WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
137	8225303	1	EXCHANGER .. Heat - Lube oil cooler
138	8221295	1	COUPLING .. Flanged - Heat exchanger
139	8320107	1	COUPLING .. Flanged - Heat exchanger
140	8213940	2	GASKET .. Flanged coupling to heat exchanger
*141	179841	24	BOLT .. Coupling to heat exchanger - 3/8 - 16 x 1-1/4 hex. head
*142	103321	24	WASHER .. Lock - 3/8
143	8183383	1	TEE .. Lube oil by-pass - 2-1/2 x 2-1/2 x 2 I.P.S. socket weld
144	8472617	1	COUPLING ASY. .. Flexible - Lube oil return - Repl. 8268209 - See P.L. 1801
145	8366785	1	GASKET .. Lube oil return pipe to lube oil strainer
*146	181432	4	BOLT .. Return pipe to strainer - 1/2 - 20 x 1-5/8 hex. head
*147	103323	4	WASHER .. Lock - 1/2
148	8156588	1	FLANGE .. Oil line to overspeed trip housing - Formerly 8156598
149	8058257	1	GASKET .. Flange to overspeed trip housing
*150	181324	2	BOLT .. Flange to housing - 1/4 - 28 x 2-1/4 hex. head
*151	103319	2	WASHER .. Lock - 1/4
152	8379840	1	VALVE .. Ball cock - Lube oil filter drain - See Parts List 1850
153	8232099	1	GAUGE .. Lube oil pressure - See Parts List 1805
154	8341983	1	STRAINER ASY. .. Fuel oil - See Parts List 750
155	8152343	1	PUMP ASY. .. Fuel oil - Includes motor - See Parts List 4140
*156	179841	7	BOLT .. Strainer and pump mounting - 3/8 - 16 x 1-1/4 hex. head
*157	9416513	7	NUT .. Lock - 3/8 - 16 hex.
158	8441983	1	SWITCH .. Rotary - Fuel prime - Engine start - Replaces 8346425
159	8004701	1	SWITCH .. Tumbler - Engine room light
*160	----		OVERNIGHT HEATER EQUIPMENT .. See P.L. No. 4250

} See P.L. 4924

WATER, LUBE AND FUEL OIL SYSTEM

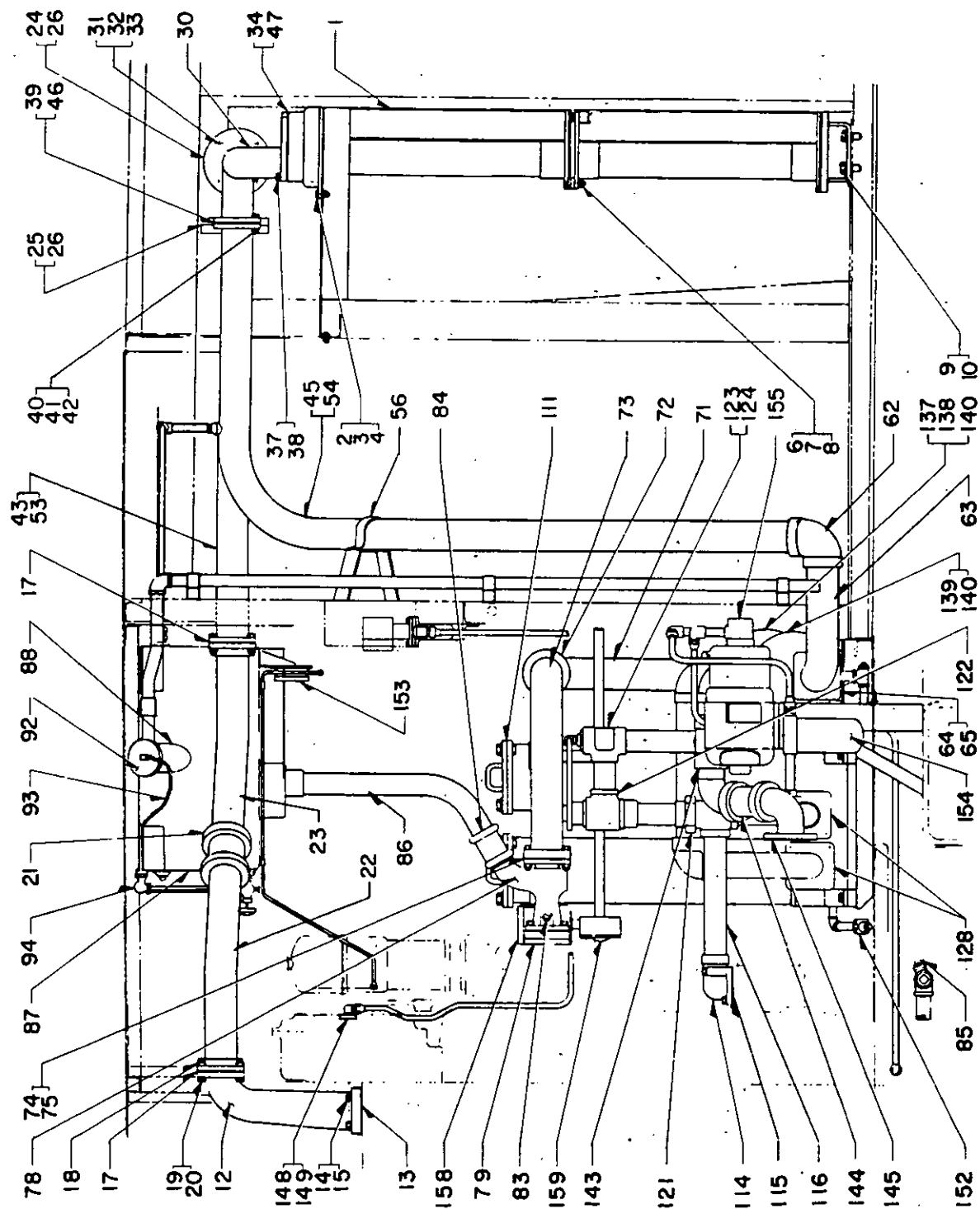


PLATE CS13-E-1

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

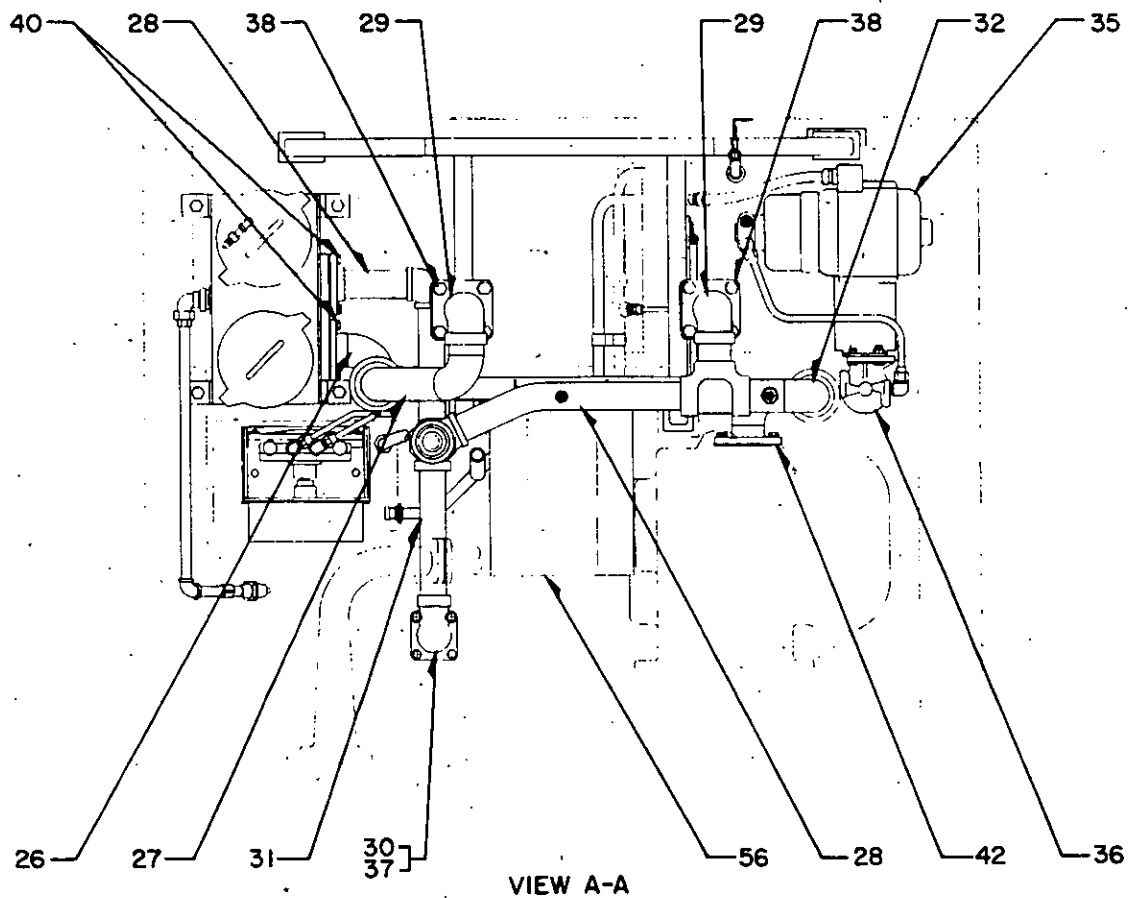
Radiators, Tank, Exchanger, Filters and Regulator
 GL18M Locomotive
 PLATES B513-E-2,3 and 4

Ref. No.	Part Number	No. Req.	Description	
1	9327639	1	RADIATOR .. Water cooling - Left side	} See Parts List 549
2	9327638	1	RADIATOR .. Water cooling - Right side	
3	9091658	2	PIPE ASSEMBLY .. Radiator water outlet to coupling	
4	9327892	1	PIPE ASSEMBLY .. Water outlet coupling	
5	9327860	1	PIPE ASSEMBLY .. Radiator water outlet to coupling	
6	9327802	2	PIPE .. Radiator water inlet	
7	9327871	1	PIPE ASSEMBLY .. Radiator pipe inlet to coupling	
8	9327803	1	PIPE .. Coupling to engine water outlet elbow	
9	8432428	2	SCREEN ASSEMBLY .. Radiator water inlet pipe flange to header	
10	9328033	2	SCREEN .. Radiator	
11	8432427	4	GASKET .. Screen to header	
12	8352787	4	GASKET .. Radiator water outlet flanges	
13	9327800	1	TANK ASSEMBLY .. Water	
14	8371276	1	GAUGE ASSEMBLY .. Water level - See Parts List 544	
15	9323491	1	NECK .. Water tank filler - Formerly 8458052	
16	8424925	1	GASKET .. Neck to tank	
17	9323490	1	CAP .. Water tank - 6 to 8 P.S.I. - Formerly 9087321	
18	8225303	1	EXCHANGER .. Heat - Lube oil cooler	
19	9330370	1	PIPE ASSEMBLY .. Water inlet	
20	9330654	1	PIPE ASSEMBLY .. Water outlet to coupling	
21	9330688	1	PIPE ASSEMBLY .. Coupling to water pump inlet flange	
22	8390156	1	TEE .. Water pump inlet	
23	9329948	1	PIPE .. Water tank outlet	
24	8099907	1	GAUGE .. Water temperature - 65° to 255° F. - 18° to 123° C.	
25	8362642	1	FILTER ASSEMBLY .. Lube oil - See Parts List 940	
26	9328239	1	PIPE ASSEMBLY .. Lube oil filter outlet to coupling	
27	9330266	1	PIPE ASSEMBLY .. Coupling to heat exchanger	
28	9330237	1	PIPE ASSEMBLY .. Scavenging oil pump to filter	
29	8382763	2	ELBOW .. Flanged - Exhcanger oil inlet	
30	8164060	1	ELBOW .. Scavenging oil pump outlet	
31	9329953	1	TUBE .. Scavenging oil pump outlet	
32	9328940	1	PIPE ASSEMBLY .. Engine oil strainer inlet	
33	9328240	1	PIPE ASSEMBLY .. Engine oil strainer inlet	
34	8379120	1	FILTER ASSEMBLY .. Fuel oil - See Parts List 750 - Formerly 8356717	
35	8152343	1	PUMP ASSEMBLY .. Fuel oil - See Parts List 4140	
36	8341983	1	STRAINER ASSEMBLY .. Fuel suction - See Parts List 750	
37	8029467	1	GASKET .. Elbow to scavenging oil pump outlet	
38	8221289	2	GASKET .. Heat exchanger inlet	
39	8306502	2	GASKET .. Fuel oil filter	
40	8352787	5	GASKET .. Flange to flange	
41	8354344	1	GASKET .. Water pump inlet	
42	8366785	1	GASKET .. Engine oil strainer inlet	
43	8367623	1	MANIFOLD .. Temperature switch	} See P.L. 5524
44	8424290	1	SWITCH .. Fan clutch control - TA	
45	8424292	1	SWITCH .. Shutter control - TB	
46	8448174	1	SWITCH .. Engine temperature - ETS	
47	8314926	3	GASKET .. Switch to manifold	
48	8476711	1	COUPLING .. Flexible - 1/2 I.P.S.	
49	8470340	1	COUPLING .. Flexible - 1 I.P.S.	
50	8479676	1	COUPLING .. Flexible - 2 I.P.S.	
51	8472617	4	COUPLING .. Flexible - 2-1/2 I.P.S.	
52	8471160	2	COUPLING .. Flexible - 3 I.P.S.	
53	8468179	1	COUPLING .. Flexible - 3 I.P.S.	
9327494, 9330000D				

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
54	8423587	1	REGULATOR ASSEMBLY .. Load - See Parts List 4522
55	8232099	1	GAUGE .. Lube oil pressure - See Parts List 1805
56	8047227	1	GUARD .. Air compressor/engine shaft
57	8094886	1	LAMP .. Engine room light - Medium screw base - 50 W. - 75 V.
58	8004613	1	GLOBE .. Clear glass
59	8047227	1	GUARD .. Globe
60	8315617	1	FITTING .. Lamp - (2) 1 F.P.T. hubs @ side
61	8332374	1	SOCKET .. Lamp - Includes mounting screws and washers
62	8453146	1	RECEPTACLE .. Governor - 16 pole female
63	8425056	3	PLUG .. Temperature switch - 3 pole female
*64	8468611	A.R.	CABLE .. 14 AWG. - LF heavy wall insul. - 500 ft. roll - Approx. 66 ft. required
*65	8472022	A.R.	CABLE .. 14 AWG. - LF thin wall insul. - 500 ft. roll - Approx. 40 ft. required
*66	8475588	A.R.	CABLE .. 18 AWG. - TFE insulation - 500 ft. roll - Approx. 97 ft. required

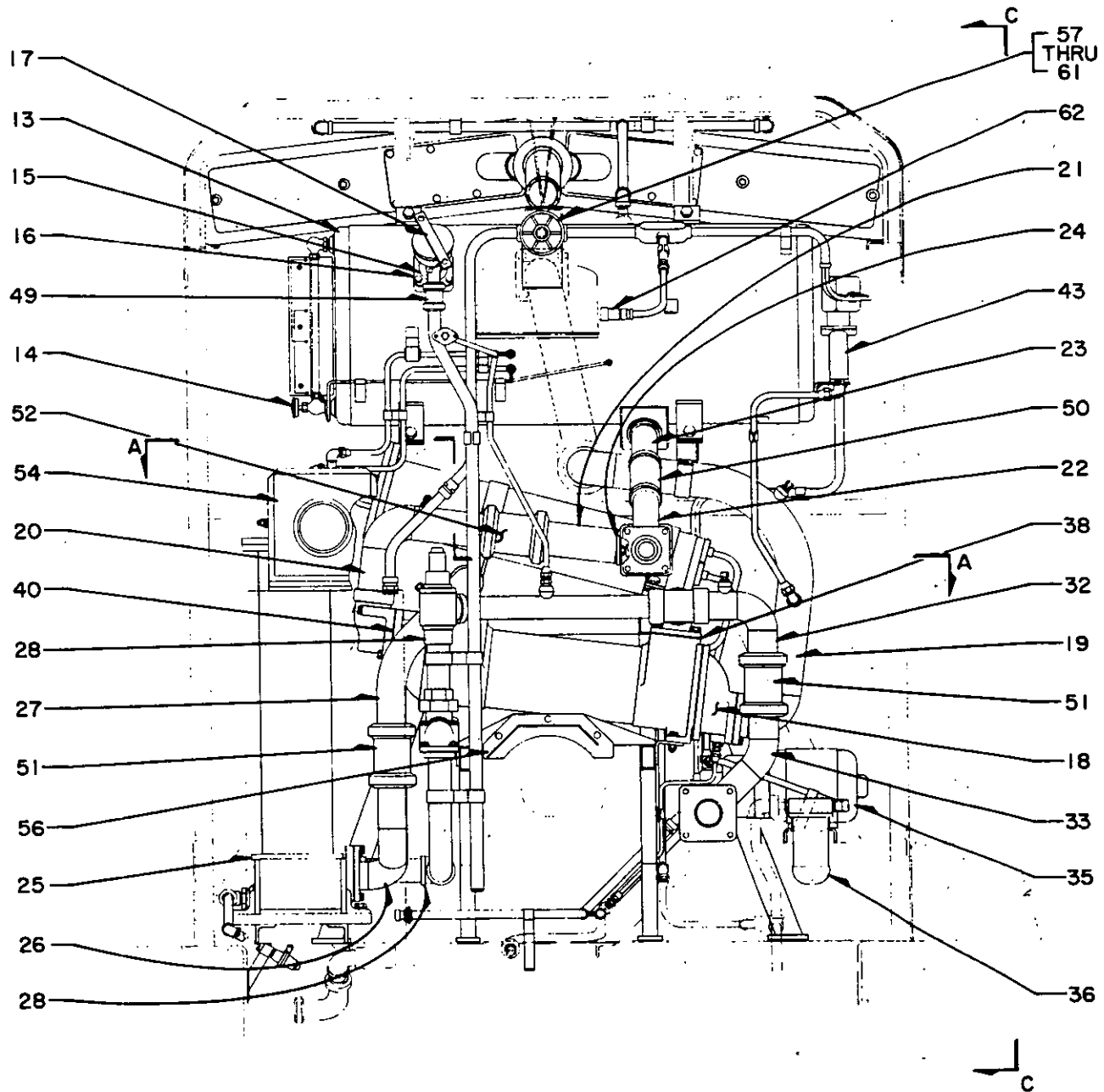


VIEW A-A

PLATE B513-E-2

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM



VIEW B-B

RIGHT SIDE

LEFT SIDE

END VIEW

PLATE B513-E-3

WATER, LUBE AND FUEL OIL SYSTEM

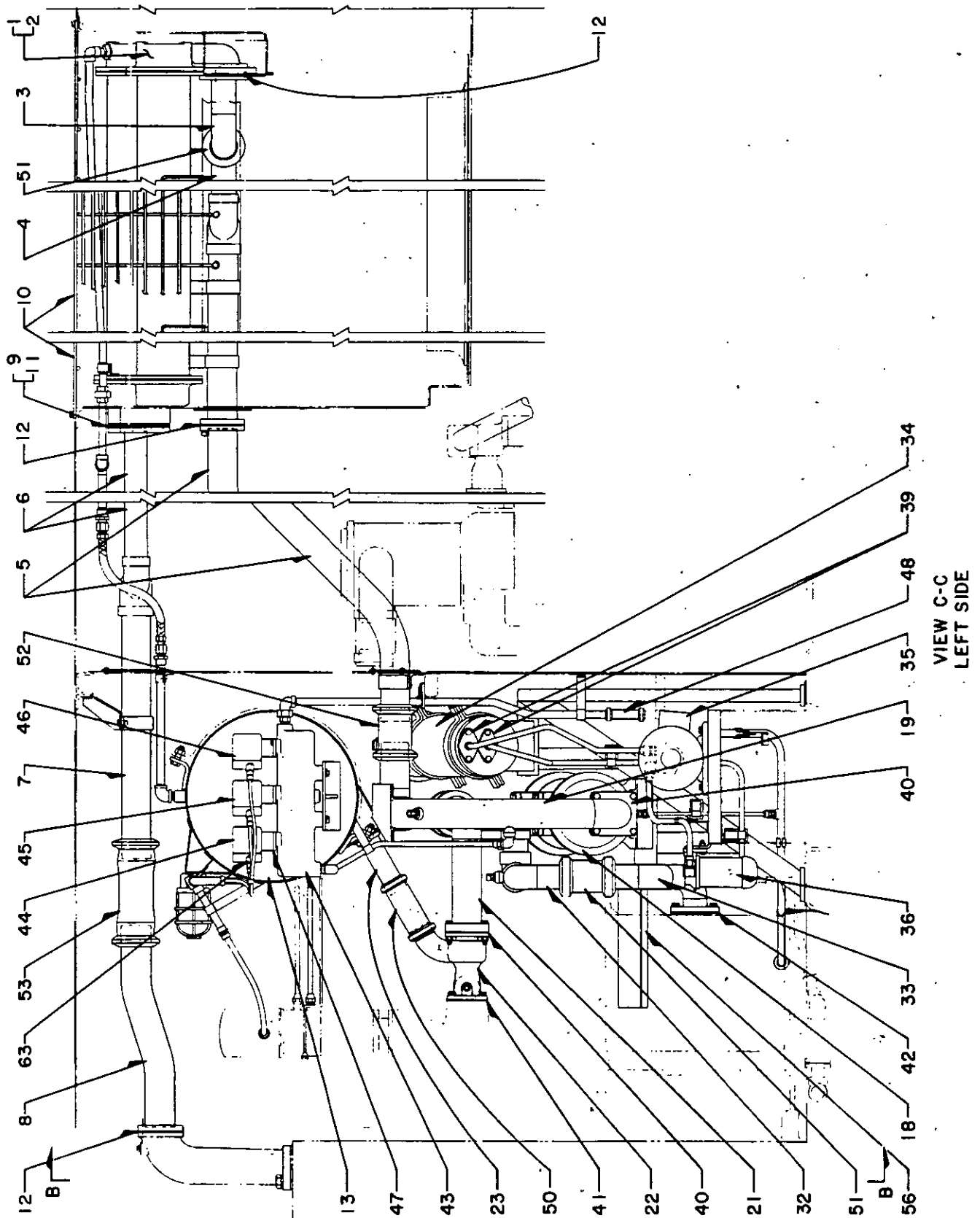


PLATE B513-E4

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Water, Lube and Fuel Oil Equipment
G22U,G22W,G22CU,G22CW and GL22C Locomotives

PLATES B513-E-5 and 6

Ref. No.	Part Number	No. Req.	Description
		A -	G22W,G22CU,GL22C Locomotives with D25P main generator
		B -	G22U,G22W Locomotives with D32T main generator
φ 1	----	1 1	RADIATOR ASY. .. Water cooling - Left side - See Parts List No. 549 8433120 (Young) - Formerly 8369345 8433130 (Harrison) - Formerly 8382863
φ 2	----	1 1	RADIATOR ASY. .. Water cooling - Right side - See Parts List No. 549 8433121 (Young) - Formerly 8369346 8433131 (Harrison) - Formerly 8382864
* 3	179838	6 6	BOLT .. Radiator mounting - 3/8 - 16 x 7/8 hex. head
* 4	103321	6 6	WASHER .. Lock - 3/8
* 5	106263	6 6	WASHER .. Plain - 3/8
6	8367400	1 -	ELBOW .. Engine water outlet
* 7	8135183	- 1	ELBOW .. Engine water outlet
8	8347756	1 -	GASKET .. Outlet elbow to crankcase
* 9	8070513	- 1	GASKET .. Outlet elbow to crankcase
10	272563	4 -	BOLT .. Elbow to crankcase - 1-14 x 2-1/4 hex. head
*11	271584	- 4	BOLT .. Elbow to crankcase - 5/8 - 18 x 1-5/8 hex. head
12	121326	4 -	WASHER .. Lock - 1 in.
*13	8133334	- 4	WASHER .. Lock - 5/8
14	103869	1 1	PLUG .. Pipe - 3/4 M.P.T.
*15	8204324	- 1	PIPE .. Water discharge
*16	8261543	- 1	ELBOW .. Water discharge
*17	8354611	- 1	GASKET .. Discharge pipe to elbow - Replaces 8204326
*18	179885	- 4	BOLT .. Discharge elbow to discharge pipe - 1/2 - 13 x 1-1/2 hex. head
*19	103323	- 4	WASHER .. Lock - 1/2
*20	103343	- 4	WASHER .. Plain - 1/2
*21	8389212	- 1	BRACKET .. Discharge elbow support
*22	8262137	- AR	SHIM .. Bracket to elbow - 1-1/4 x 3-1/2 x 11 Ga.
*23	8262138	- AR	SHIM .. Bracket to elbow - 1-1/4 x 3-1/2 x 16 Ga.
*24	8262139	- AR	SHIM .. Bracket to elbow - 1-1/4 x 3-1/2 x 24 Ga.
*25	179883	- 2	BOLT .. Bracket to elbow - 1/2 - 13 x 1-1/4 hex. head
*26	103323	- 2	WASHER .. Lock - 1/2
27	8352787	1 -	GASKET .. Water outlet elbow to flexible coupling pipe
*28	8354611	- 1	GASKET .. Water discharge elbow to flex. cplg. pipe - Replaces 8204326
29	8384778	1 -	PIPE .. Flanged - Elbow to flexible coupling
*30	8392075	- 1	PIPE .. Elbow to flexible coupling
31	179889	4 4	BOLT .. Pipe to elbow - 1/2 - 13 x 2 hex. head
32	103323	4 4	WASHER .. Lock - 1/2
33	102637	4 4	NUT .. 1/2 - 13 hex.

The following components, Ref. Nos. 34 thru 159 on Pages 10,11 and 12 are applicable to Column "A" and "B".

34	8468179	1	COUPLING ASY. .. Flex. - Radiator pipe - Repl. 8339732 - See P.L. 1801
35	8164181	1	CONNECTION .. "Y" - Radiator pipe
36	8177371	4	GASKET .. Radiator inlet and outlet - Replaces 8234119
37	8189356	4	FLANGE .. Header - Radiator inlet and outlet
38	179885	24	BOLT .. Header flange to radiator - 1/2 - 13 x 1-1/2 hex. head
39	103323	24	WASHER .. Lock - 1/2
*40	8173257	1	TEE .. Radiator outlet pipe - 2-1/2 x 2-1/2 x 3 I.P.S. socket weld
*41	8352787	1	GASKET .. Radiator water return pipe
42	8387194	1	ELBOW .. Radiator water return pipe - 3 I.P.S. socket weld
43	8282116	1	OUTLET .. Pipe - 2 F.P.T.
44	8226869	1	OUTLET .. Pipe - 1/2 F.P.T.
45	8471160	1	COUPLING ASY. .. Flexible - Wtr. return pipe - Repl. 8268387 - See P.L. 1801
46	8044171	1	ELBOW .. Union - 2 F.P.T.
47	8474757	1	COUPLING ASY. .. Flex. - Inlet tee pipe - Repl. 8332250 - See P.L. 1801

18641 8382839W 8382621J 8382620J

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
48	8352787	2	GASKET .. Heat exchanger water inlet and outlet
49	8382765	1	ELBOW .. Flanged - Heat exchanger water inlet
50	8322137	1	FLANGE .. Heat exchanger water outlet
51	179890	4	BOLT .. Elbow and flange to heat exchanger - 1/2 - 13 x 2-1/4 hex. head
52	179897	2	BOLT .. Elbow to heat exchanger - 1/2 - 13 x 4 hex. head
53	179883	2	BOLT .. Flange to heat exchanger - 1/2 - 13 x 1-1/4 hex. head
54	103323	8	WASHER .. Lock - 1/2
55	8166428	1	ELBOW .. Pipe - 2-1/2 I.P.S. socket weld
56	8472617	1	COUPLING ASY. .. Flex. - Water return pipe - Repl. 8268209 - See P.L. 1801
* 57	8382762	1	ELBOW .. Water pump inlet tee - 2-1/2 I.P.S. socket weld x flanged x 1-1/2 socket weld outlet - Right side
* 58	8382780	1	FLANGE .. Water pump inlet tee - Left side
59	8352787	2	GASKET .. Elbow and flange to inlet tee
60	179889	8	BOLT .. Elbow and flange to inlet tee - 1/2 - 13 x 2 hex. head
61	102637	8	NUT .. 1/2 - 13 hex.
62	103323	8	WASHER .. Lock - 1/2
* 63	8392202	1	OUTLET .. Inlet tee water crossover pipe - 1-1/2 I.P.S. socket weld
64	8477156	1	COUPLING ASY. .. Flex. - Crossover pipe - Repl. 8341684 - See P.L. 1801
65	8390156	2	TEE .. Water pump inlet
66	8366787	2	GASKET .. Tee to water pump
67	179883	8	BOLT .. Tee to water pump - 1/2 - 13 x 1-1/4 hex. head
68	103323	8	WASHER .. Lock - 1/2
69	8099907	1	GAUGE .. Water temperature - Repl. 8232106 - See Parts List 1805
70	8391913	1	TANK ASSEMBLY .. Water
71	8395764	1	NECK .. Water tank filler
* 72	271609	4	BOLT .. Water tank mounting - 3/4 - 10 x 1-3/4 hex. head
* 73	220081	4	NUT .. 3/4 - 10 hex.
* 74	103326	4	WASHER .. Lock - 3/4
75	----	1	CAP ASSEMBLY .. Water filler - Spring loaded 8292303 .. 4 P.S.I. 9087321 .. 7 P.S.I. - Replaces 8367366 and 9082048
76	8292432	1	CHAIN ASSEMBLY .. Filler cap
77	8470340	1	COUPLING ASY. .. Flex. - Overflow pipe - Replaces 8326945 - See P.L. 1801
* 78	----	1	GAUGE ASSEMBLY .. Water tank water level - See Parts List 544
* 79	----	1	PLATE .. Name - Water level gauge 8385773 .. Portuguese markings 8387432 .. English markings 8403130 .. Persian markings 8415365 .. Spanish markings
* 80	171420	3	SCREW .. Name plate - 10 - 24 x 3/8 round head
81	8035714	2	HOSE .. Water tank to inlet tee
82	8048700	4	CLAMP .. Hose
83	9085710	A.R.	TAPE .. Insulating - 1-1/2 x 1/16 thick - 100 ft. roll - Repl. 8122246
84	8074206	1	TEE .. Union - Water drain - 1-1/4 F.P.T.
85	8318728	1	TEE .. Union - Water drain - 1-1/4 F.P.T. x 1-1/4 F.P.T. x 1-1/4 M.P.T.
* 86	8238717	1	OUTLET .. Pipe - 1/2 F.P.T.
* 87	189068	1	BUSHING .. Pipe reducing - 1-1/4 M.P.T. x 1/2 F.P.T.
88	8354277	1	VALVE .. Ball cock - Water drain - 1-1/4 F.P.T. - See Parts List 1850
89	8367623	1	MANIFOLD .. Temperature switch
* 90	8268162	1	WELL .. Thermometer
91	8334771	1	SWITCH .. Fan clutch control (TA)
* 92	8334773	1	SWITCH .. Shutter control (TB)
* 93	8334774	1	SWITCH .. Hot engine alarm (ETS)
* 94	8314926	3	GASKET .. Switch to manifold
* 95	179841	6	BOLT .. Switch to manifold - 3/8 - 16 x 1-1/4 hex. head
* 96	103321	6	WASHER .. Lock - 3/8
* 97	8324136	3	PLUG .. Switch connection - 3 pole female
* 98	8337787	A.R.	CABLE .. 3 conductor - S-R - 65/34 - Sold per foot
* 99	8077433	A.R.	CABLE .. 2 conductor - R-H - 41/30 - Sold per foot
*100	8250906	7	TERMINAL .. Faston - Female

See Parts List 5524

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
*101	8147523	1	CLAMP .. Cable - Insulated - 7/8 I.D.
102	8373237	1	FILTER ASSEMBLY .. Lube oil - See Parts List 940
*103	271657	4	BOLT .. Filter mounting - 7/8 - 9 x 2-1/4 hex. head
*104	9416524	4	NUT... Lock - 7/8 - 9 hex.
105	8137212	1	ELBOW .. Scavenging pump
106	8388503	2	GASKET .. Scavenging pump elbow
107	181431	4	BOLT .. Elbow to scavenging pump - 1/2 - 20 x 1-1/2 hex. head
108	179897	4	BOLT .. Elbow to scavenging pump - 1/2 - 13 x 4 hex. head
109	103343	8	WASHER .. Plain - 1/2
110	103323	8	WASHER .. Lock - 1/2
111	8062398	1	ELBOW .. Lube oil pipe - 2 I.P.S. socket weld
112	8205436	1	TEE .. Lube oil pipe - 2 I.P.S. socket weld
113	8044171	1	ELBOW .. Union - 2 F.P.T.
114	8330693	1	VALVE .. Lube oil by-pass - 80 P.S.I. - 2 F.P.T.
115	8382956	1	TEE .. Lube oil by-pass - 2-1/2 I.P.S. x 2-1/2 F.P.T. x 2-1/2 F.P.T.
116	187105	1	BUSHING .. Reducing - 2-1/2 M.P.T. x 2 F.P.T.
117	426714	1	BUSHING .. Reducing - 2-1/2 M.P.T. x 1/2 F.P.T.
118	8382780	1	FLANGE .. Pipe - Lube oil filter inlet
*119	8396490	1	ELBOW .. Flanged - Lube oil filter outlet
120	8352787	2	GASKET .. Lube oil filter inlet and outlet
*121	179883	8	BOLT .. Flange and elbow to filter - 1/2 - 13 x 1-1/4 hex. head
*122	103323	8	WASHER .. Lock - 1/2
*123	103343	4	WASHER .. Plain - 1/2
*124	8166428	2	ELBOW .. Pipe - 2-1/2 I.P.S. socket weld
125	8382763	2	ELBOW .. Flanged - Heat exchanger lube oil inlet and outlet
126	8221289	2	GASKET .. Heat exchanger lube oil inlet and outlet
*127	271558	8	BOLT .. Elbow to heat exchanger - 5/8 - 11 x 1-1/2 hex. head
*128	103325	8	WASHER .. Lock - 5/8
129	8365865	1	EXCHANGER .. Heat - Lube oil cooler (Young)
130			REFERENCE NUMBER NOT USED
131	8221295	2	COUPLING .. Flanged - Heat exchanger
132	8213940	2	GASKET .. Flanged coupling to heat exchanger
133	179841	24	BOLT .. Coupling to heat exchanger - 3/8 - 16 x 1-1/4 hex. head
134	103321	24	WASHER .. Lock - 3/8
135	8215065	1	TEE .. Lube oil return pipe - 2-1/2 I.P.S. socket weld
136	8472617	1	COUPLING ASY. .. Flex. - Lube oil return - Repl. 8268209 - See P.L. 1801
137	8360336	1	TEE .. Lube oil return pipe - 2-1/2 I.P.S. x 2-1/2 F.P.T. x 2-1/2 I.P.S.
138	451305	1	BUSHING .. Reducing - 2-1/2 M.P.T. x 3/4 F.P.T.
139	8383203	1	FLANGE .. Lube oil return pipe to strainer
140	8366785	1	GASKET .. Flange to lube oil strainer
141	181431	4	BOLT .. Flange to lube oil strainer - 1/2 - 20 x 1-1/2 hex. head
142	103323	4	WASHER .. Lock - 1/2
143	8156588	1	FLANGE .. Lube oil line to overspeed trip housing
144	8058257	1	GASKET .. Flange to overspeed trip housing
*145	181314	2	BOLT .. Flange to overspeed trip housing - 1/4 - 28 x 7/8 hex. head
*146	103319	2	WASHER .. Lock - 1/4
147	8232099	1	GAUGE .. Lube oil pressure - See Parts List 1805
148	8152343	1	PUMP ASY. .. Fuel oil - Includes motor - See Parts List 4140
149	179843	4	BOLT .. Pump mounting - 3/8 - 16 x 1-1/2 hex. head
150	103341	4	WASHER .. Plain - 13/32 I.D. x 13/16 O.D. x 1/16
151	9416513	4	NUT .. Lock - 3/8 - 16 hex.
152	8341983	1	STRAINER ASSEMBLY .. Fuel oil - See Parts List 750
*153	179838	3	BOLT .. Strainer mounting - 3/8 - 16 x 7/8 hex. head
*154	103321	3	WASHER .. Lock - 3/8
155	8371667	1	REGULATOR ASSEMBLY .. Load - See Parts List 4522
156	179883	3	BOLT .. Regulator mounting - 1/2 - 13 x 1-1/4 hex. head
157	102637	3	NUT .. 1/2 - 13 hex.
158	103323	3	WASHER .. Lock - 1/2
159	....	1	BOX ASSEMBLY .. Junction - See Parts List 3239

WATER, LUBE AND FUEL OIL SYSTEM

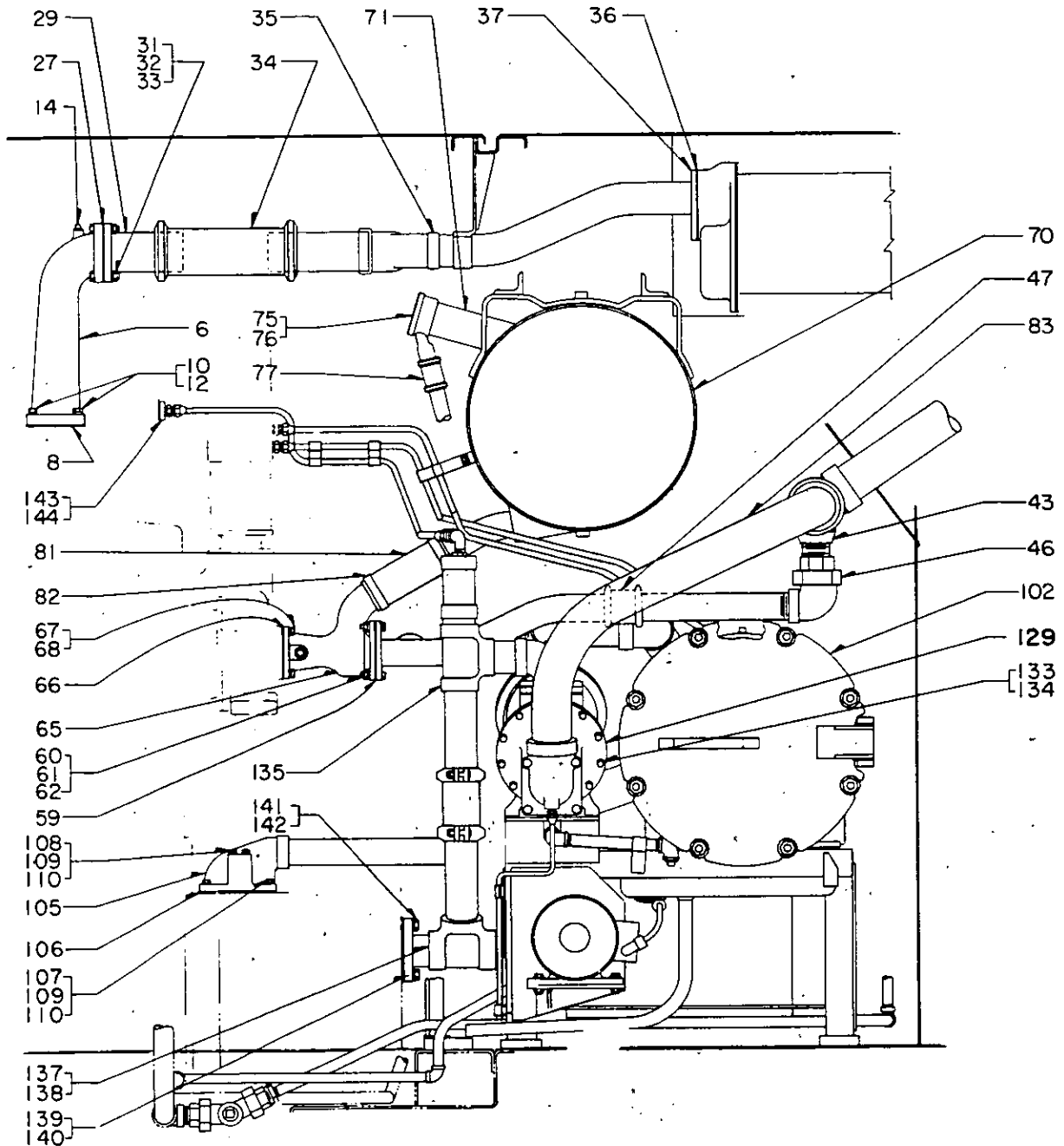


PLATE B513-E-5

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

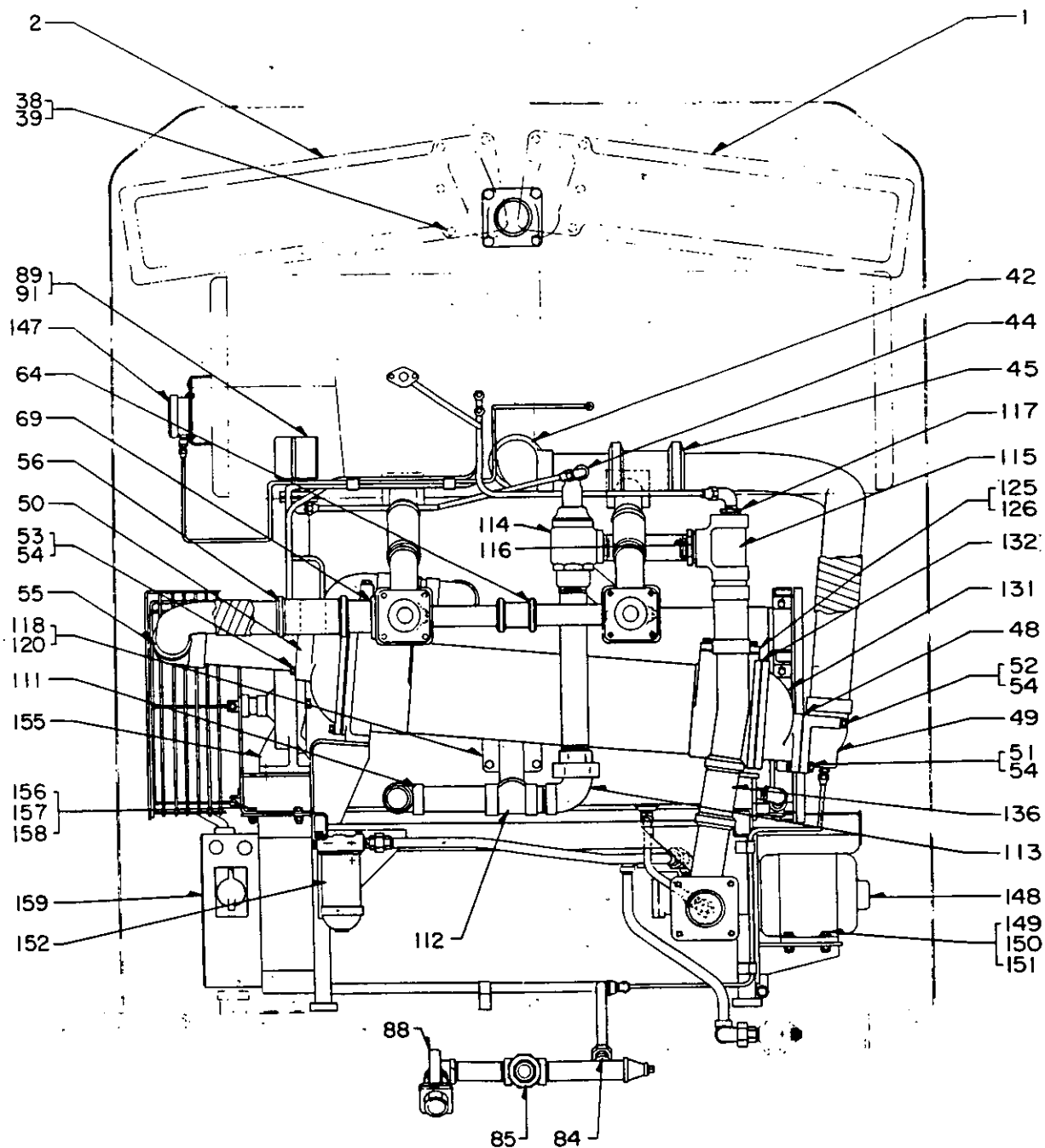


PLATE B513-E-6

WATER, LUBE AND FUEL OIL SYSTEM

Water, Lube and Fuel Oil Equipment
G22U,G22W,G22CU,G22CW and GL22C Locomotives

PLATES B513-E-7 and 8

Ref. No.	Part Number	No. Req.	Description
φ 1	----	1	RADIATOR ASY. ... Water cooling - Left side - See Parts List No. 549 9323439 (Harrison) - Formerly 8465743 9323438 (Young) - Formerly 8465741
φ 2	----	1	RADIATOR ASY. ... Water cooling - Right side - See Parts List No. 549 9323437 (Harrison) - Formerly 8465744 9323436 (Young) - Formerly 8465742
* 3	179883	8	BOLT .. Radiator mounting - 1/2 - 13 x 1-1/4 hex. head
* 4	103323	8	WASHER .. Lock - 1/2
* 5	103343	8	WASHER .. Plain - 1/2
* 6	8432473	1	SHIM .. Radiator - 16 ga. x 1-1/2 x 5 in.
* 7	8432474	1	SHIM .. Radiator - 11 ga. x 1-1/2 x 5 in.
* 8	8432475	1	SHIM .. Radiator - 3/16 x 1-1/2 x 5 in.
* 9	8432476	1	SHIM .. Radiator - 1/4 x 1-1/2 x 5 in.
*10	8117788	A.R.	PAD .. Radiator shim - 1/4 x 2 x 3 in.
*11	8138268	A.R.	PAD .. Radiator shim - 3/16 x 2 x 3 in.
*12	8157772	A.R.	PAD .. Radiator shim - 11 ga. x 2 x 3 in.
13	8325696	A.R.	PAD .. Radiator shim - 14 ga. x 2 x 3 in.
14	8325697	A.R.	PAD .. Radiator shim - 16 ga. x 2 x 3 in.
15	8164181	1	CONNECTION .. "Y" - Radiator pipe
16	9092539	1	TANK ASSEMBLY .. Water - Formerly 8461643
17	9323491	1	NECK .. Water tank filler - Formerly 8458052
18	9323490	1	CAP ASSEMBLY .. Water tank filler - Spring loaded - 7 P.S.I. - Repl. 8446821 and 9082048
19	----	1	GAUGE ASSEMBLY .. Water tank water level - See P.L. 544
20	8099907	1	GAUGE .. Engine water inlet temp. - Replaces 8232106 - See P.L. 1805
21	8441557	1	SWITCH .. Fan clutch control (TA) - Formerly 8441577
22	8453853	1	SWITCH .. Shutter control (TB)
23	8448173	1	SWITCH .. Hot engine alarm (ETS)
24	8268162	1	WELL .. Thermometer
25	8367623	1	MANIFOLD .. Temperature switch
26	8449807	1	FILTER ASSEMBLY .. Lube oil - See P.L. 940
*27	271657	4	BOLT .. Filter mounting - 7/8 - 9 x 2-1/4 hex. head
*28	103327	4	WASHER .. Lock - 7/8
*29	220082	4	NUT .. 7/8 - 9 hex.
30	8330693	1	VALVE .. Lube oil by-pass - 80 P.S.I. - 2 F.P.T.
31	8365865	1	EXCHANGER .. Heat - Lube oil cooler (Young)
32	8152343	1	PUMP ASSEMBLY .. Fuel oil - Includes motor - See P.L. 4140
33	179843	4	BOLT .. 3/8 - 16 x 1-1/2 hex. head
34	103321	4	WASHER .. Lock - 3/8
35	102635	4	NUT .. 3/8 - 16 hex.
36	8341983	1	STRAINER ASSEMBLY .. Fuel oil - See P.L. 750
37	179839	3	BOLT .. Strainer mounting - 3/8 - 16 x 1 hex. head
38	103321	3	WASHER .. Lock - 3/8
39	8454071	1	PIPE ASSEMBLY .. Water inlet
40	8453962	1	PIPE ASSEMBLY .. Water inlet crossover
41	8453887	1	PIPE ASSEMBLY .. Radiator outlet
42	8453883	1	PIPE ASSEMBLY .. Heat exchanger water inlet
43	8477197	1	PIPE ASSEMBLY .. Water outlet
44	8452713	1	PIPE ASSEMBLY .. Heat exchanger
45	8383103	1	PIPE ASSEMBLY .. Radiator outlet
46	8462834	1	PIPE ASSEMBLY .. Manifold vent to radiator outlet
47	8465809	1	PIPE ASSEMBLY .. Radiator vent
*48	8465810	1	PIPE ASSEMBLY .. Radiator vent

See P.L. 5524

8463330N 8462223B 8382839W

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
49	8116751	A.R.	PIPE .. 1/2 in. standard wrought steel - 20 ft. - Approx. 12 ft. required
50	8116936	A.R.	PIPE .. 3/4 in. standard wrought steel - 20 ft. - Approx. 4 ft. required
51	8116937	A.R.	PIPE .. 1 in. standard wrought steel 20 ft. - Approx. 63 in. required
52	8116938	A.R.	PIPE .. 1-1/4 in. standard wrought steel 20 ft. - Approx. 17-1/2 in. required
53	8116748	A.R.	PIPE .. 2 in. standard wrought steel 20 ft. - Approx. 42 in. required
54	8116749	A.R.	PIPE .. 2-1/2 in. standard wrought steel 20 ft. - Approx. 48 in. required
*55	8116750	A.R.	PIPE .. 3 in. standard wrought steel 20 ft. - Approx. 10 ft. required
56	8116847	A.R.	PIPE .. 2 in. standard brass - 12 ft. - Approx. 7 in. required
57	8122024	A.R.	PIPE .. 2 in. extra strong wrought steel - 20 ft. - Approx. 2 in. required
58	8122025	A.R.	PIPE .. 2-1/2 in. extra strong wrought steel - 20 ft. - Approx. 14 in. required
59	8122026	A.R.	PIPE .. 3 in. extra strong wrought steel - 20 ft. - Approx. 9 in. required
60	8098593	A.R.	TUBING .. 1/4 in. O.D. x .028 wall copper brazed steel - 20 ft. - Approx. 7 ft. required
61	8098594	A.R.	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel - 20 ft. - Approx. 3 ft. required
62	8098595	A.R.	TUBING .. 1/2 in. O.D. x .035 wall copper brazed steel - 20 ft. - Approx. 7 ft. required
63	8098596	A.R.	TUBING .. 5/8 in. O.D. x .035 wall copper brazed steel - 20 ft. - Approx. 5 ft. required
64	8122502	A.R.	TUBING .. 2.375 O.D. x .095 wall copper - 20 ft. - Approx. 2 ft. required
65	116452	2	NUT .. 1/4 Tube
66	121758	2	NUT .. 3/8 Tube
67	120141	2	NUT .. 1/2 Tube
68	144308	6	NUT .. 5/8 Tube
*69	189775	1	TEE .. Reducing - 3/4 x 1/2 x 3/4 F.P.T.
*70	8173257	1	TEE .. Pipe - 2-1/2 x 2-1/2 x 3 I.P.S. socket weld
71	8452638	1	TEE .. Reducing - 2 F.P.T. x 2-1/2 weld x 2-1/2 weld
72	8205436	2	TEE .. Pipe - 2 I.P.S. socket weld
73	8318728	1	TEE .. Union - 1-1/4 F.P.T. x 1-1/4 F.P.T. x 1-1/4 M.P.T.
74	8454554	1	TEE .. Water inlet
*75	8060973	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
*76	8088722	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2 in. long
77	8080073	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2-1/2 in. long - Previously applied
78	8060961	1	NIPPLE .. Pipe - 3/4 M.P.T. x 1-3/8 in. long
*79	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
*80	8154254	1	NIPPLE .. Pipe - 3/4 M.P.T. x 7 in. long - Threaded one end only
81	8154266	1	NIPPLE .. Pipe - 3/4 M.P.T. x 8 in. long - Threaded one end only
*82	8060930	1	NIPPLE .. Pipe - 1-1/4 M.P.T. x 1-5/8 in. long
*83	219362	1	NIPPLE .. Pipe - 1-1/4 M.P.T. x 4-1/2 in. long
84	8152859	1	NIPPLE .. Pipe - 2 M.P.T. x 4 in. long - Threaded one end only
85	8078082	1	NIPPLE .. Pipe - 2 M.P.T. x 4 in. long
86	8103719	1	NIPPLE .. Pipe - 2 M.P.T. x 6-1/2 in. long
87	119098	1	ELBOW .. 1/2 F.P.T. - 90°
88	8044168	3	ELBOW .. Union - 1/2 F.P.T. - 90°
89	8052082	1	ELBOW .. Union - 1/2 M.P.T. - 90°
90	8027437	1	ELBOW .. Tube - 1/2 M.P.T. x 1/2 tube - 90°
91	144283	1	ELBOW .. Pipe - 1/2 F.P.T. x 5/8 tube - 90° - Previously applied
92	109429	1	ELBOW .. Pipe - 1/2 M.P.T. x 5/8 tube
93	144277	1	ELBOW .. Union - 5/8 M.P.T. - 90° - Previously applied
94	119099	2	ELBOW .. Pipe - 3/4 F.P.T. - 90°
95	8040345	1	ELBOW .. Pipe - 3/4 F.P.T. x 5/8 tube - 90°
96	139971	1	ELBOW .. Pipe - 1-1/4 I.P.S. - 90°
97	8044171	1	ELBOW .. Union - 2 F.P.T.
98	8042906	1	ELBOW .. Pipe - 2 I.P.S. butt weld - 90°
99	8042907	2	ELBOW .. Pipe - 2-1/2 I.P.S. butt weld - 90°
100	8137212	1	ELBOW .. Scavenging pump
101	8382763	1	ELBOW .. Flanged - Heat exchanger lube oil inlet
102	8382764	1	ELBOW .. Flanged - Heat exchanger water inlet
103	8396490	1	ELBOW .. Flanged - Heat exchanger lube oil outlet

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description	
104	8156588	1	FLANGE .. Overflow pipe water inlet	
105	8452671	1	FLANGE .. Heat exchanger lube oil outlet	
106	8382780	1	FLANGE .. Lube oil filter inlet	
*107	8126274	2	FLANGE .. Heat exchanger water outlet and radiator outlet	
108	9311842	2	FLANGE .. Radiator inlet - Formerly 8189356	
109	8470605	2	COUPLING ASSEMBLY .. Flexible	} See P.L. 1801
110	8474757	1	COUPLING ASSEMBLY .. Flexible - Replaces 8332250	
111	8471160	2	COUPLING ASSEMBLY .. Flexible - Replaces 8268387	
112	8471160	1	COUPLING ASSEMBLY .. Flexible - Replaces 8268209	
113	8468179	1	COUPLING ASSEMBLY .. Flexible - Replaces 8339732	
114	8470340	1	COUPLING ASSEMBLY .. Flexible - Replaces 8326945	
115	8320107	1	COUPLING ASSEMBLY .. Flexible - Flanged - Heat exchanger	
116	8221295	1	COUPLING ASSEMBLY .. Flexible - Flanged - Heat exchanger	
117	8354344	1	GASKET .. Heat exchanger water inlet	
118	8366785	2	GASKET .. Lube oil strainer and water inlet tee	
119	8022448	1	GASKET .. Scavenging pump elbow	
120	8352787	2	GASKET .. Water outlet elbow	
121	8213940	2	GASKET .. Heat exchanger water inlet and outlet	
122	8314926	3	GASKET .. Temperature switch	
123	8058257	1	GASKET .. Overflow pipe flange	
124	8352787	2	GASKET .. Lube oil outlet pipe	
125	8376297	2	GASKET .. Heat exchanger lube oil inlet and outlet	
*126	8352787	1	GASKET .. Radiator outlet pipe	
127	8177371	4	GASKET .. Radiator inlet and outlet	
128	8424925	1	GASKET .. Water tank filler neck	
129	8475591	1	CLAMP ASSEMBLY .. Overflow pipe	
130	8108208	1	CLAMP ASSEMBLY .. Overflow pipe crossover	
131	8108197	3	CLAMP ASSEMBLY .. Lower water overflow pipe	
132	8108219	1	CLAMP ASSEMBLY .. Water piping under sill	
133	8108214	1	CLAMP ASSEMBLY .. Water manifold pipe	
134	8108274	5	CLAMP ASSEMBLY .. Vent pipe	
135	8380461	4	CLAMP .. Heat exchanger water inlet pipe	
136	8108209	1	CLAMP ASSEMBLY .. Vent pipe	
137	8081698	2	CLAMP .. Fuel pump conduit	
138	8420567	1	CLAMP .. Radiator inlet pipe	
139	8108217	3	CLAMP ASSEMBLY .. Water tank overflow pipe	
*140	8433261	1	CLAMP ASSEMBLY .. Radiator water outlet pipe	
141	8166523	2	CLAMP ASSEMBLY .. Water inlet tee - Formerly 8202285	
142	8463972	1	BRACKET .. Lube oil pressure gauge	
143	8232099	1	GAUGE .. Lube oil pressure - See P.L. 1805	
144	9513559	1	HOSE .. Water inlet tube - Formerly 8039994	
145	8393834	1	PIPE ASSEMBLY .. Radiator inlet pipe	
146	8040325	1	CONNECTOR .. 1/4 tube x 1/4 F.P.T.	
147	8044160	1	UNION .. Pipe - 1/2 F.P.T.	
148	106642	1	PLUG .. Pipe - 1-1/4 M.P.T.	
149	8354227	1	VALVE .. Ball cock - 1-1/4 F.P.T. - See P.L. 1850	
150	8040313	2	CONNECTOR .. 3/8 tube x 3/8 F.P.T.	
151	8027428	1	CONNECTOR .. 1/2 tube x 1/2 M.P.T.	
152	8040322	2	CONNECTOR .. 5/8 tube x 3/4 F.P.T.	
153	8393834	1	PIPE ASSEMBLY .. Scavenging pump	
154	8462109	1	CONDUIT ASSEMBLY .. Fuel pump	
*155	8452713	1	PIPE ASSEMBLY .. Heat exchanger	
156	103880	1	PLUG .. Pipe - 1/2 M.P.T. - Previously applied	
157	103879	1	PLUG .. Pipe - 7/8 M.P.T.	

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
158	8452749	1	SUPPORT ASSEMBLY .. Heat exchanger oil pipe
159	8452857	1	PIPE ASSEMBLY .. Heat exchanger lube oil
160	189061	1	BUSHING .. Reducing - 3/4 M.P.T.
161	8469650	1	SUPPORT ASSEMBLY .. Radiator "Y" connection pipe
162	8405061	2	HOSE ASSEMBLY .. Radiator vent
163	218840	1	FITTING .. Y - 45° - Water tank
164	8462734	1	ANGLE ASSEMBLY .. Water tank
165	8462750	1	ANGLE ASSEMBLY .. Water tank
166	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
167	8376801	1	GUARD ASSEMBLY .. Air compressor drive shaft
168	179885	16	BOLT .. 1/2 - 13 x 1-1/2 hex. head
169	179889	12	BOLT .. 1/2 - 13 x 2 hex. head
*170	179843	4	BOLT .. 3/8 - 16 x 1-1/2 hex. head
171	181432	30	BOLT .. 1/2 - 20 x 1-5/8 hex. head
172	179841	30	BOLT .. 3/8 - 16 x 1-1/4 hex. head
173	179883	8	BOLT .. 1/2 - 13 x 1-1/4 hex. head
*174	179880	4	BOLT .. 1/2 - 13 x 7/8 hex. head
175	271558	8	BOLT .. 5/8 - 11 x 1-1/2 hex. head
176	271609	4	BOLT .. 3/4 - 10 x 1-3/4 hex. head
177	186284	1	BOLT .. 3/8 - 16 x 2-3/4 hex. head
178	102635	5	NUT .. 3/8 - 16 hex.
179	102637	8	NUT .. 1/2 - 13 hex.
180	220081	4	NUT .. 3/4 - 10 hex.
181	9416517	4	NUT .. Lock - 1/2 - 13 hex.
182	103321	37	WASHER .. Lock - 3/8
183	103323	27	WASHER .. Lock - 1/2
184	103325	8	WASHER .. Lock - 5/8
185	103326	4	WASHER .. Lock - 1/2
186	103343	4	WASHER .. Plain - 3/8
187	103341	6	WASHER .. Plain - 3/8
*188	8432428	2	SCREEN ASY. ... Inlet header
*189	8432427	4	GASKET .. Radiator inlet
190	----		OVERNIGHT HEATER EQUIPMENT - See P.L. No. 4250

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

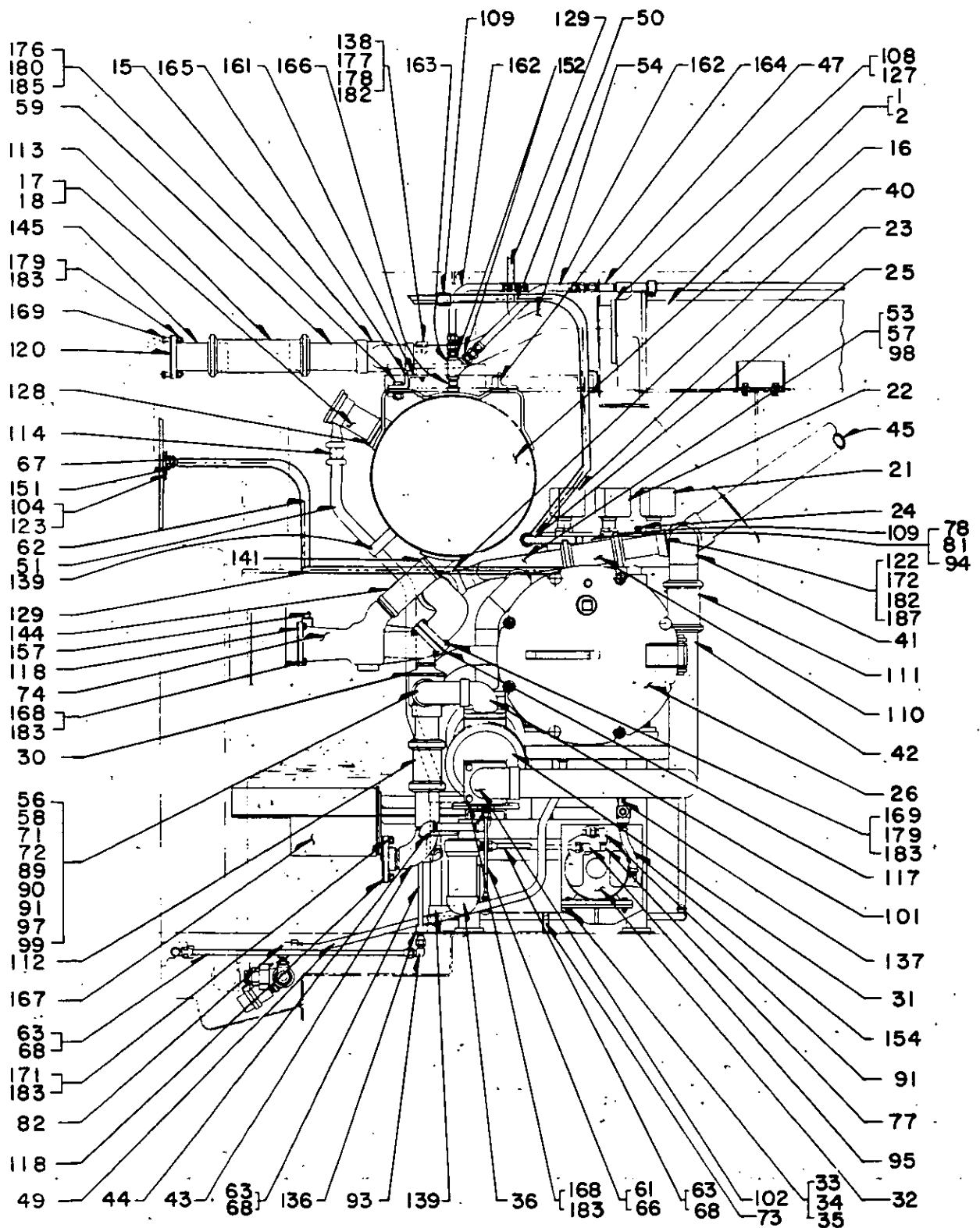


PLATE B513-E-7

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

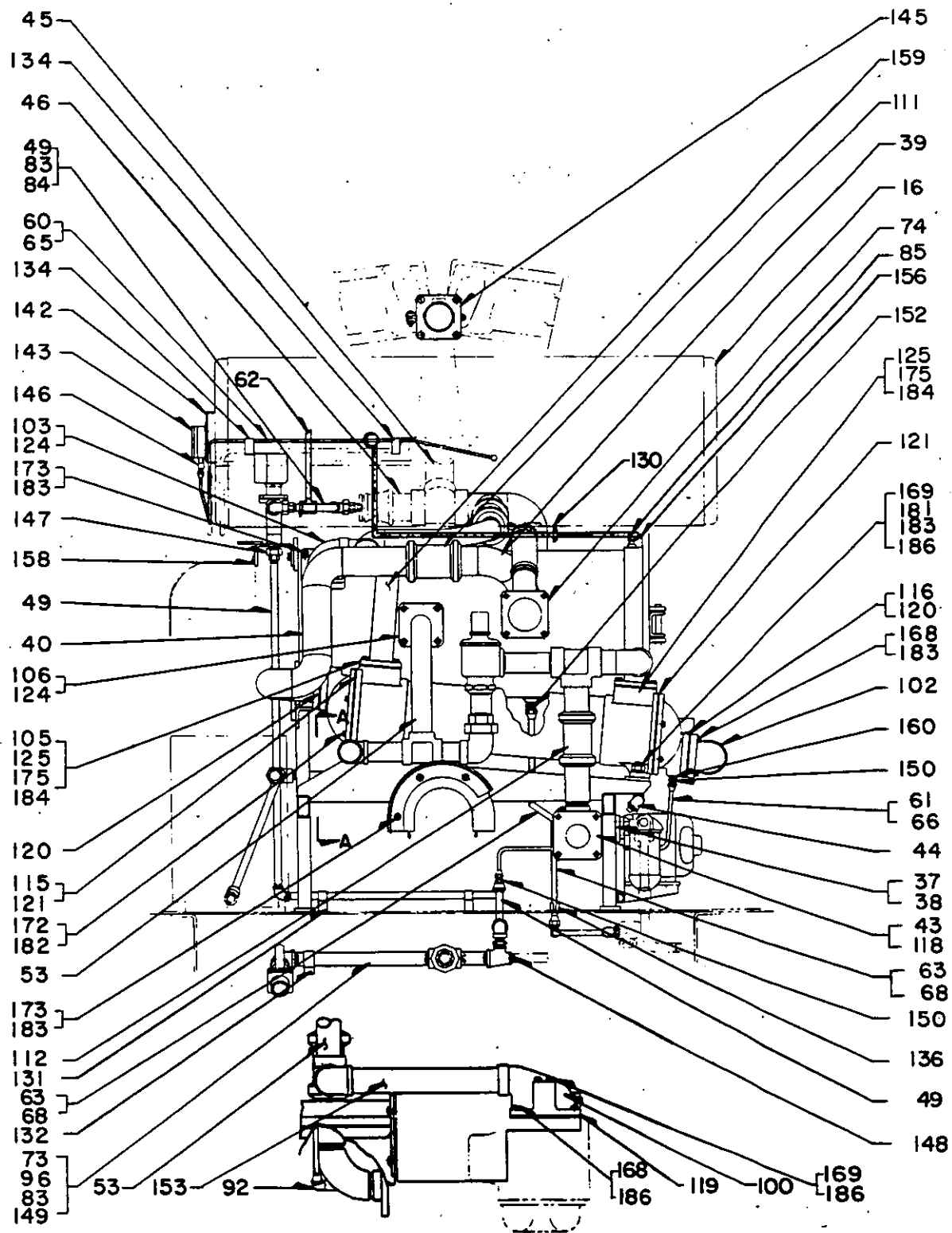


PLATE B513-E-8

WATER, LUBE AND FUEL OIL SYSTEM

Radiators, Tank, Heater, Exchanger, Filters and Regulator
 JT22CW Locomotive
 PLATES A513-E-9, 10, 11 and 12

Ref. No.	Part Number	No. Req.	Description
1	9310308	1	RADIATOR .. Water cooling - Left side
2	9310309	1	RADIATOR .. Water cooling - Right side
3	179881	8	BOLT .. Radiator mounting - 1/2-13 x 1 hex. head
4	103343	8	WASHER .. Plain - 1/2
5	103323	8	WASHER .. Lock - 1/2
6	9313706	1	SHIM .. Radiator - 16 ga. x 2-1/4 x 8 in.
7	9313707	1	SHIM .. Radiator - 11 ga. x 2-1/4 x 8 in.
8	9313708	1	SHIM .. Radiator - 3/16 x 2-1/4 x 8 in.
9	9313709	1	SHIM .. Radiator - 1/4 x 2-1/4 x 8 in.
*10	8117788	1	PAD .. Radiator shim - 1/4 x 2 x 3 in.
*11	8138268	1	PAD .. Radiator shim - 3/16 x 2 x 3 in.
*12	8157772	1	PAD .. Radiator shim - 11 ga. x 2 x 3 in.
*13	8325696	1	PAD .. Radiator shim - 14 ga. x 2 x 3 in.
*14	8325697	1	PAD .. Radiator shim - 16 ga. x 2 x 3 in.
15	9312595	1	TANK ASSEMBLY .. Water
16	8232645	1	SWITCH .. Low water cut-off
17	8306877	1	SWITCH .. Float
*18	8306878	1	LEVER ASSEMBLY .. Includes cam
*19	8306879	1	SYLPHON ASSEMBLY
20	8306874	1	GASKET .. Sylphon base - 1-5/8 I.D.
21	8306875	1	GASKET .. Head - 3-3/8 I.D.
*22	8306876	1	FLOAT ASSEMBLY .. Switch
23	8045712	1	COCK .. Drain - 1/2
24	9312602	1	SUPPORT .. Switch
25	103879	2	PLUG .. Pipe - 3/8 M.P.T. square head
26	103882	1	PLUG .. Pipe - 1 M.P.T. square head
27	179839	2	BOLT .. Switch mounting - 3/8-16 x 1 hex. head
28	103321	2	WASHER .. Lock - 3/8
29	9313402	1	GAUGE ASSEMBLY .. Water level - See P.L. 544
30	9087321	1	CAP .. Water tank pressure - 6 to 8 P.S.I.
31	8292432	1	CHAIN .. Pressure cap
32	9313854	2	BRACKET ASSEMBLY .. Water tank mounting - Rear
33	271560	2	BOLT .. Water tank mounting - Front - 5/8-11 x 1-3/4 hex. head
34	103345	2	WASHER .. Plain - 5/8
35	9416520	2	NUT .. Lock - 5/8-11 hex.
36	9314367	1	PIPE ASSEMBLY .. Engine water to radiator coupling - Left side
37	9314369	1	PIPE ASSEMBLY .. Engine water to radiator coupling - Right side
38	9314202	2	PIPE .. Coupling to radiator - Left and right side
39	9313803	1	PIPE ASSEMBLY .. Radiator water outlet - Left side
40	9313802	1	PIPE ASSEMBLY .. Radiator water outlet - Right side
41	9313855	1	PIPE ASSEMBLY .. Radiator water outlet - Left side
42	9313857	1	PIPE ASSEMBLY .. Radiator water outlet - Right side
43	9314364	1	PIPE ASSEMBLY .. Radiator water outlet - Right side
44	9311897	3	PIPE ASSEMBLY .. Radiator water outlet - Right side
45	9314281	1	PIPE .. Water tank outlet - Left side
46	9314280	1	PIPE .. Water tank outlet - Right side
47	9313983	1	PIPE .. Radiator water outlet by-pass
48	9314206	1	PIPE ASSEMBLY .. Radiator water outlet by-pass
49	8492587	1	ELBOW .. Engine water outlet
50	8390156	2	ELBOW .. Engine water inlet
51	8099907	1	GAUGE .. Temperature - Engine water - 65° to 225° F. - 1/2 M.P.T. - See P.L. 1805
52	8347756	1	GASKET .. Engine outlet elbow to engine
53	8347757	2	GASKET .. Outlet elbow to pipe
54	8177371	2	GASKET .. Pipe to radiator inlet
55	8352787	8	GASKET .. Radiator water outlet and pipe to pipe
56	8436672	1	GASKET .. Radiator pipe outlet to pipe - Right side
9313574, 9310613D, 9313271A, 9311067			

P.L. No. D513-E

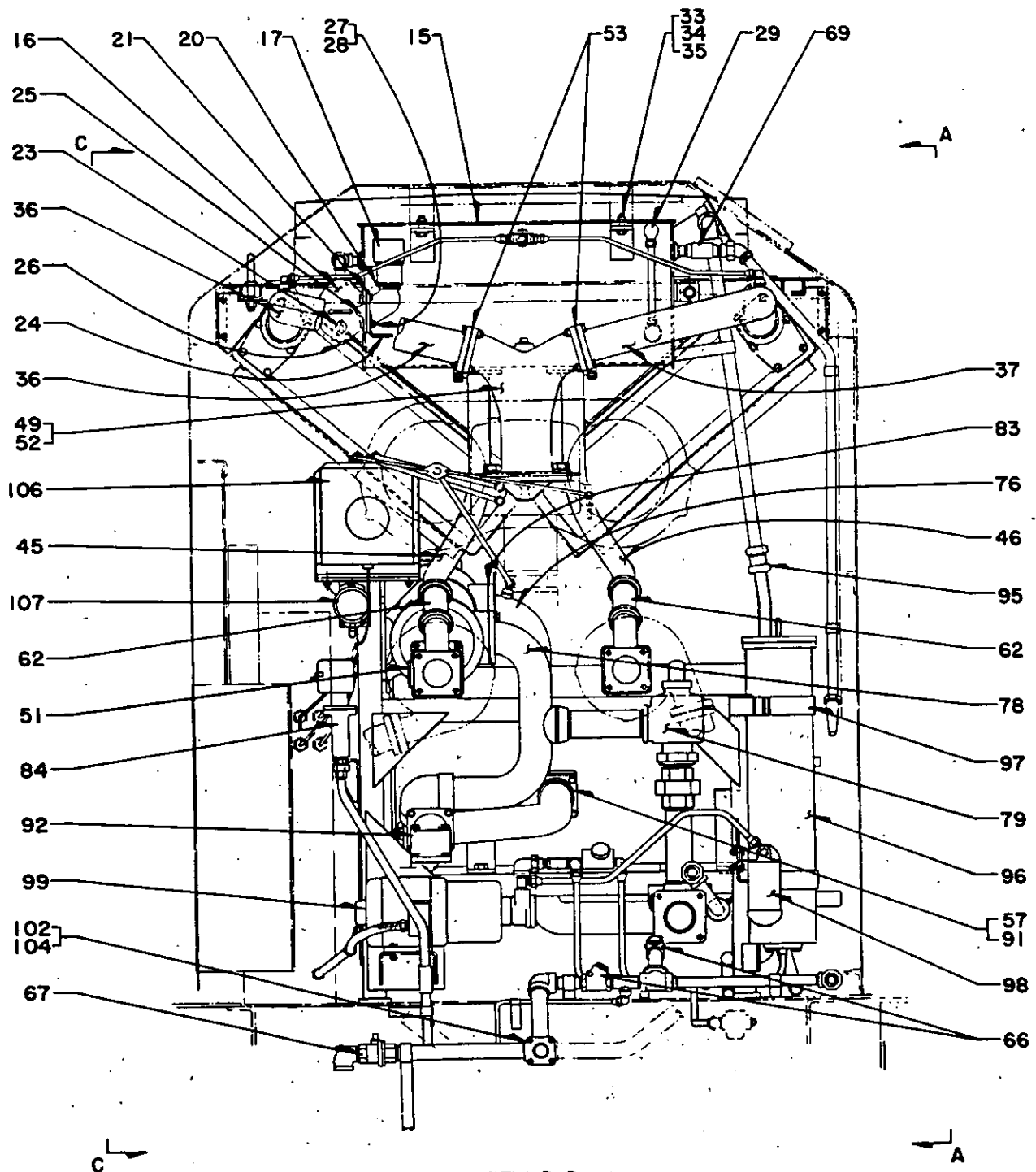
WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
57	8366787	5	GASKET .. Elbow to engine water pump and lube oil filter
58	8368824	2	GASKET .. Water tank outlet
59	8234120	2	FLANGE .. Radiator header
60	8382780	2	FLANGE .. Water tank outlet
61	8471160	6	COUPLING .. Flexible
62	8479676	2	COUPLING .. Flexible
63	8476176	1	COUPLING .. Flexible
			} See Parts List 1801
64	8433864	1	HEATER .. Immersion - 440/480 V.A.C. - 15 KW - 3 phase
65	9314359	2	BRACKET .. Heater mounting
66	3309179	2	VALVE .. Check - 1 F.P.T.
67	8354227	1	VALVE .. Ball - 1-1/4 I.P.S.
68	9096964	1	PUMP ASY. .. Water - Incl. motor - 380 V. - 3 phase - 1/4 H.P. - 50 Hz.
69	8376429	1	VALVE .. Check - 3/4 F.P.T.
70	8365864	1	EXCHANGER .. Heat (Young)
71		1	REFERENCE NUMBER NOT USED
72	8221295	2	COUPLING .. Flanged - Exchanger
73	8213940	2	GASKET .. Coupling to exchanger
74	8126274	2	FLANGE .. Exchanger to pipe
75	9311896	2	PIPE .. Coupling to flange
76	9311339	1	PIPE ASSEMBLY .. Exchanger
77	9311342	1	PIPE ASSEMBLY .. Exchanger
78	9311335	1	PIPE ASSEMBLY .. Exchanger to lube oil filter
79	9311334	1	VALVE .. Lube oil by-pass - 40 P.S.I. - 2-1/2 F.P.T.
80	9311337	1	PIPE ASSEMBLY .. Pipe asy. to lube oil filter
81	9311899	1	PIPE ASSEMBLY .. Coupling to engine
82	8388197	2	GASKET .. Exchanger to pipe flange
83	8366785	1	GASKET .. Pipe flange to engine
84	8367623	1	MANIFOLD .. Temperature switch
85	8441557	1	SWITCH .. Fan clutch control - TA
86	8441559	1	SWITCH .. Shutter control - TB
87	8448173	1	SWITCH .. Hot engine alarm - ETS
88	8268162	1	WELL .. Thermometer
89	8314926	3	GASKET .. Switch to manifold
90	9098654	1	FILTER ASSEMBLY .. Lube oil - See Parts List 940
91	8038896	2	FLANGE .. Filter to tube
92	8366010	1	ELBOW .. Flange to scavenging pump
93	8388264	2	GASKET .. Elbow to pump
94	8269618	1	GASKET .. Filter to tube
95	8470340	2	COUPLING .. Flexible - See Parts List 1801
96	8379120	1	FILTER ASSEMBLY .. Fuel oil - Formerly 8356717 - See P.L. No. 750
97	8380213	2	STRAP .. Filter mounting
98	8341983	1	STRAINER ASSEMBLY .. Fuel suction - See Parts List 750
99	8302492	1	PUMP ASSEMBLY .. Fuel - See Parts List 4140
100	8306502	2	GASKET .. Fuel filter to flange
101	8472617	1	COUPLING .. Flexible - See Parts List 1801
102	8433042	1	FLANGE .. Immersion heater pipe
103	8156588	1	FLANGE .. Exchanger pipe
104	8330335	1	GASKET .. Immersion heater flange to flange
105	8058257	1	GASKET .. Exchanger flange
106	8423587	1	REGULATOR ASSEMBLY .. Load - See Parts List 4525
107	8231594	1	GAUGE .. Lube oil pressure - Formerly 8232099 - See P.L. 1805
108	9321340	1	COUPLER .. Male - Quick disconnect
109	8060971	1	NIPPLE .. Pipe - 1/4 x 1-1/2 in. long

See P.L. No. 5524

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM



VIEW B-B

RIGHT SIDE

LEFT SIDE

END VIEW

PLATE A513-E-9

VIEW A-A
LEFT SIDE
PLATE A513-E-10

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

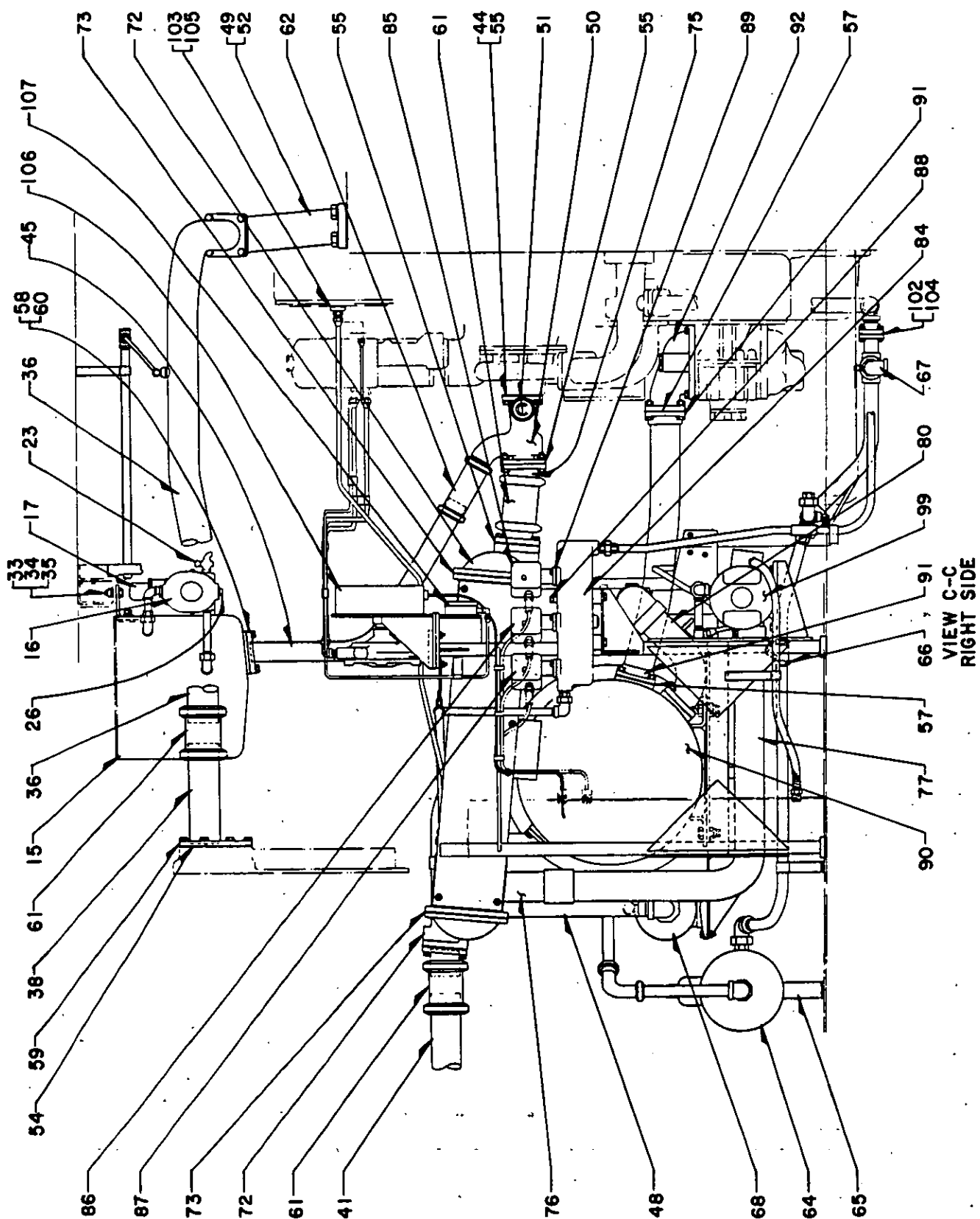
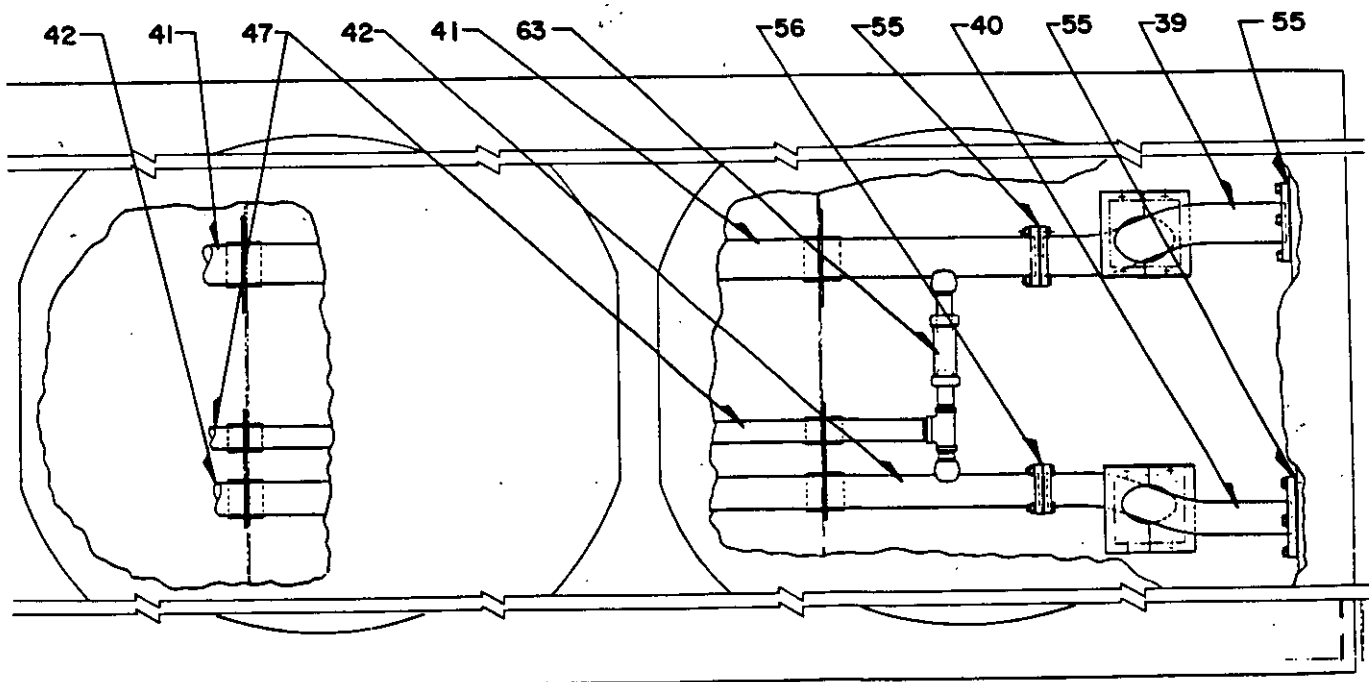
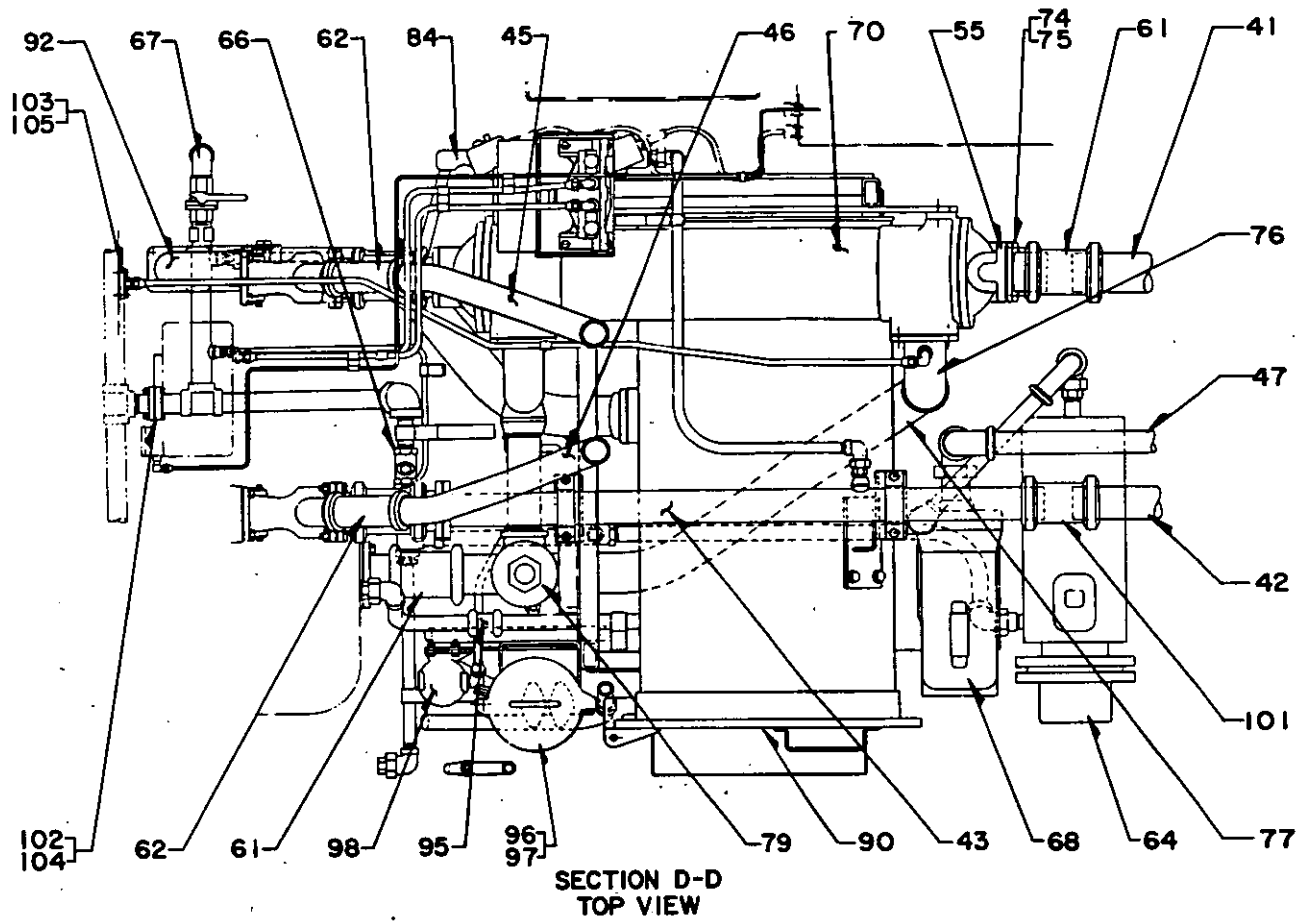


PLATE A513-E-11

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM



VIEW E-E
TOP VIEW
PLATE A513-E-12

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Water, Lube And Fuel Oil Equipment
G26CU And G26CW Locomotives
PLATES A513-E-13 and 14

Ref. No.	Part Number	No. Req.	Description
φ 1	----	1	RADIATOR ASSEMBLY .. Water cooling - Left side - See P.L. No. 549 8377217 (Young) 8377219 (Harrison)
φ 1	----	1	RADIATOR ASSEMBLY .. Water cooling - Left side - See P.L. No. 549 8475270 (Harrison) 8475267 (Young)
φ 1	----	1	RADIATOR ASSEMBLY .. Water cooling - Left side - See P.L. No. 549 9321378 (Harrison) 9321380 (Young)
φ 2	----	1	RADIATOR ASSEMBLY .. Water cooling - Right side - See P.L. No. 549 8377216 (Young) 8377218 (Harrison)
φ 2	----	1	RADIATOR ASSEMBLY .. Water cooling - Right side - See P.L. No. 549 8475271 (Harrison) 8475268 (Young)
φ 2	----	1	RADIATOR ASSEMBLY .. Water cooling - Right side - See P.L. No. 549 9321379 (Harrison) 9321381 (Young)
* 3	179841	6	BOLT .. Radiator mounting - 3/8 - 16 x 1-1/4 hex. head - Formerly 179838 Currently applied
* 3	179883	16	BOLT .. Radiator mounting - 1/2 - 13 x 1-1/4 hex. head - Formerly applied
* 4	103321	6	WASHER .. Lock - 3/8 - Currently applied
* 4	103323	16	WASHER .. Lock - 1/2 - Formerly applied
* 5	106263	6	WASHER .. Plain - 3/8 - Currently applied
* 5	103343	16	WASHER .. Plain - 1/2 - Formerly applied
6	8367400	1	ELBOW .. Engine water outlet
7	8347756	1	GASKET .. Outlet elbow to crankcase
8	272563	4	BOLT .. Elbow to crankcase - 1-1/4 x 2-1/4 hex. head
9	121326	4	WASHER .. Lock - 1 in.
*10	103869	1	PLUG .. Pipe - 3/4 M.P.T.
11	8352787	1	GASKET .. Water outlet elbow to flexible coupling pipe
*12	8384778	1	PIPE .. Flanged - Elbow to flexible coupling - Formerly applied
12	8367170	1	PIPE .. Engine water outlet
12	8126274	2	FLANGE .. Engine water outlet } Currently applied
13	179889	4	BOLT .. Pipe to elbow - 1/2 - 13 x 2 hex. head
14	103323	4	WASHER .. Lock - 1/2
15	102637	4	NUT .. 1/2 - 13 hex.
16	8468179	1	COUPLING ASY. .. Flex. - Radiator pipe - Repl. 8339732 - See P.L. 1801
17	8164181	1	CONNECTION .. "Y" - Radiator pipe
18	9321486	2	PIPE .. 2-1/2 in. x 25-17/32 in. long - "Y" to water inlet flange
19	8432427	4	GASKET .. Flange to radiator inlet
20	8432428	2	SCREEN ASSEMBLY .. Header flange to radiator
21	9311842	2	FLANGE .. Header - Radiator inlet - Formerly 8189356
*22	179885	20	BOLT .. Header flange to radiator - 1/2 - 13 x 1-1/2 hex. head
*23	103323	20	WASHER .. Lock - 1/2
*24	8177371	2	GASKET .. Radiator outlet - Replaces 8234119
*25	8173257	1	TEE .. Radiator outlet pipe - 2-1/2 x 2-1/2 x 3 I.P.S. socket weld
*26	8352787	1	GASKET .. Radiator water return pipe
27	8387174	1	ELBOW .. Radiator water return pipe - 3 I.P.S. socket weld

8387334G, 21439, 8388220K, 8388221R, 8477740J

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
φ 28	8282116	1	OUTLET .. Pipe - 2 F.P.T.
φ 28	8384359	1	PIPE ASSEMBLY .. Radiator water return
29	8226869	1	OUTLET .. Pipe - 1/2 F.P.T.
30	8471160	1	COUPLING ASY... Flex. - Water return pipe - Repl. 8268387 - See P.L. 1801
31	8050393	1	TEE .. Union - 2 F.P.T.
32	8474757	1	COUPLING ASSEMBLY .. Flex. - Union tee to inlet tee pipe - Repl. 8332250 - See P.L. 1801
33	188941	1	BUSHING .. Pipe reducing - 2 M.P.T. x 3/4 F.P.T.
34	8044173	1	ELBOW .. Union - Fuel oil heat exchanger pipe - 3/4 F.P.T. x 3/4 M.P.T. - 90°
*35	8044169	1	ELBOW .. Union - Fuel oil heat exchanger pipe - 3/4 F.P.T. - 90°
36	8044260	1	ELBOW .. Union - Fuel oil heat exchanger pipe - 3/4 F.P.T. - 45°
*37	8379841	2	VALVE .. Ball cock - Heat exchanger water cut-off - 3/4 F.P.T. - See P.L. 1850
38	8190995	1	OUTLET .. Pipe - 3/4 F.P.T.
*39	8226979	1	OUTLET .. Pipe - 1/2 F.P.T.
φ 40	8044156	1	UNION .. Pipe - 1 F.P.T.
φ 40	8044160	1	UNION .. Pipe - 1/2 F.P.T.
41	189368	1	ELBOW .. Reducing - 1 F.P.T. x 1/2 F.P.T.
42	8352787	2	GASKET .. Lube oil heat exchanger water inlet and outlet
43	8382765	1	ELBOW .. Flanged - Heat exchanger water inlet
44	8322765	1	FLANGE .. Heat exchanger water outlet
45	179890	4	BOLT .. Elbow and flange to heat exchanger - 1/2 - 13 x 2-1/4 hex. head
46	179897	2	BOLT .. Elbow to heat exchanger - 1/2 - 13 x 4 hex. head
47	179883	2	BOLT .. Flange to heat exchanger - 1/2 - 13 x 1-1/4 hex. head
48	102637	4	NUT .. 1/2 - 13 hex.
49	103323	8	WASHER .. Lock - 1/2
50	8166428	1	ELBOW .. Pipe - 2-1/2 I.P.S. socket weld
51	8472617	1	COUPLING ASSEMBLY .. Flexible - Water return pipe - Repl. 8268209 - See P.L. 1801
*52	8382762	1	ELBOW .. Water pump inlet tee - 2-1/2 I.P.S. socket weld x flanged x 1-1/2 I.P.S. socket weld outlet - Right side
53	8382780	1	FLANGE .. Water pump inlet tee - Left side
54	8352787	2	GASKET .. Elbow and flange to inlet tee
55	179889	8	BOLT .. Elbow and flange to inlet tee - 1/2 - 13 x 2 hex. head
56	102637	8	NUT .. 1/2 - 13 hex.
57	103323	8	WASHER .. Lock - 1/2
*58	8392202	1	OUTLET .. Inlet tee water crossover pipe - 1-1/2 I.P.S. socket weld
59	8477156	1	COUPLING ASSEMBLY .. Flexible - Crossover pipe - Replaces 8341684 - See P.L. 1801
60	8454554	1	TEE .. Water pump inlet - Formerly 8390156
61	8366787	2	GASKET .. Tee to water pump
62	179883	8	BOLT .. Tee to water pump - 1/2 - 13 x 1-1/4 hex. head
63	103323	8	WASHER .. Lock - 1/2
64	8099907	1	GAUGE .. Water temperature - Replaces 8232106 - See P.L. 1805
φ 65	8391913	1	TANK ASSEMBLY .. Water
φ 65	9315269	1	TANK ASSEMBLY .. Water - Formerly 8478636
66	8395674	1	NECK .. Water tank filler - Welds to tank
66	9323491	1	NECK .. Water tank filler - Bolted to tank - Formerly 8458052
*67	8424925	1	GASKET .. Neck to water tank
*68	179839	4	BOLT .. 3/8 - 16 x 1 hex. head
*69	103321	4	WASHER .. Lock - 3/8
*70	271609	4	BOLT .. Water tank mounting - 3/4 - 10 x 1-3/4 hex. head
*71	220081	4	NUT .. 3/4 - 10 hex.
*72	103326	4	WASHER .. Lock - 3/4
φ 73	8292303	1	CAP ASY. .. Water filler - Spring loaded - 4 P.S.I. - Formerly 8392432
φ 73	9323490	1	CAP ASY. .. Water filler - Spring loaded - 7 P.S.I. - Replaces 9082048 and 9087321
*74	8392432	1	CHAIN ASSEMBLY .. Filler cap
75	8470340	1	COUPLING ASSEMBLY .. Flexible - Overflow pipe - Replaces 8326945 - See P.L. 1801

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
* 76	----	1	GAUGE ASSEMBLY .. Water tank water level - See Parts List 544
* 77	8387432	1	PLATE .. Name - Water level gauge
* 78	171420	3	SCREW .. Name plate - 10 - 24 x 3/8 round head
79	9322145	1	HOSE .. Water tank to inlet tee - Formerly 8035714
80	8202285	2	CLAMP .. Hose - Formerly 8048700
81	8122246	A.R.	TAPE .. Asbestos - 100 ft. - Water pipe insulating - 1/16 x 1-1/2
82	8318728	1	TEE .. Union - Water drain - 1-1/4 F.P.T. x 1-1/4 F.P.T. x 1-1/4 M.P.T.
83	8276414	1	OUTLET .. Pipe - 1 F.P.T.
84	8354227	1	VALVE .. Ball cock - Water drain - 1-1/4 F.P.T. - See Parts List 1850
85	8367623	1	MANIFOLD .. Temperature switch
* 86	8268162	1	WELL .. Thermometer
φ 87	8334771	1	SWITCH .. Fan clutch control (TA)
φ 87	8441557	1	SWITCH .. Fan clutch control (TA)
φ* 88	8334773	1	SWITCH .. Shutter control (TB)
φ* 88	8441559	1	SWITCH .. Shutter control (TB)
φ* 88	8453853	1	SWITCH .. Shutter control (TB)
φ* 89	8334774	1	SWITCH .. Hot engine alarm (ETS)
φ* 89	8448173	1	SWITCH .. Hot engine alarm (ETS)
90	8314926	3	GASKET .. Switch to manifold
* 91	179841	6	BOLT .. Switch to manifold - 3/8 - 16 x 1-1/4 hex. head
* 92	103321	6	WASHER .. Lock - 3/8
φ* 93	8324136	3	PLUG .. Switch connection - 3 pole female
φ* 93	8425056	3	PLUG .. Switch connection - 3 pole female
* 94	8475694	A.R.	CABLE .. 2-16 AWG. - G and D insul. - 50 ft. roll - Replaces 8337786
* 95	8337787	A.R.	CABLE .. 3-16 AWG. - G and D insul. - Sold per foot
* 96	8468611	A.R.	CABLE .. 14 AWG. - LF insulation - 500 ft. roll
* 97	8250906	7	TERMINAL .. Faston - Female
* 98	8147523	1	CLAMP .. Cable - Insulated - 7/8 I.D.
99	8373237	1	FILTER ASSEMBLY .. Lube oil - See Parts List 940
*100	271657	4	BOLT .. Filter mounting - 7/8 - 9 x 2-1/4 hex. head
*101	9416524	4	NUT .. Lock - 7/8 - 9 hex.
102	8366010	1	ELBOW .. Scavenging pump
103	8388264	2	GASKET .. Scavenging pump elbow
104	179883	4	BOLT .. Elbow to scavenging pump - 1/2 - 13 x 1-1/4 hex. head
105	187201	4	BOLT .. Elbow to scavenging pump - 1/2 - 13 x 4-3/4 hex. head
106	103323	8	WASHER .. Lock - 1/2
107	8366787	1	GASKET .. Elbow to pipe flange
108	8038896	1	FLANGE .. Pipe - 3 I.P.S. socket weld
109	179889	4	BOLT .. Flange to elbow - 1/2 - 13 x 2 hex. head
110	102637	4	NUT .. 1/2 - 13 hex.
111	103323	4	WASHER .. Lock - 1/2
112	8062400	1	ELBOW .. Lube oil pipe - 3 I.P.S. socket weld
φ 113	8388217	1	TEE .. Lube oil pipe - 3 x 2 - 1/2 x 3 I.P.S. socket weld
φ 113	8366359	1	TEE .. Lube oil pipe - 3 x 2-1/2 x 3 I.P.S. socket weld
114	8048000	1	ELBOW .. Union - 2-1/2 F.P.T.
φ 115	8330692	1	VALVE .. Lube oil by-pass - 80 P.S.I. - 2-1/2 F.P.T.
φ 115	8388193	1	VALVE .. Lube oil by-pass - 80 P.S.I. - 2-1/2 F.P.T.
116	8382956	1	TEE .. Lube oil by-pass 2-1/2 I.P.S. x 2-1/2 F.P.T. x 2-1/2 F.P.T.
117	426714	1	BUSHING .. Pipe reducing - 2-1/2 M.P.T. x 1/2 F.P.T.
118	8126274	1	FLANGE .. Pipe - Lube oil filter inlet
*119	8382764	1	ELBOW .. Flanged - Lube oil filter outlet
120	8352787	2	GASKET .. Lube oil filter inlet and outlet
121	179883	6	BOLT .. Flange and elbow to filter - 1/2 - 13 x 1-1/4 hex. head
*122	179892	2	BOLT .. Elbow to filter - 1/2 - 13 x 2-3/4 hex. head
123	103323	8	WASHER .. Lock - 1/2
124	8387174	2	ELBOW .. Pipe - 3 I.P.S. socket weld
125	8388196	2	ELBOW .. Flanged - Heat exchanger inlet and outlet
126	8388197	2	GASKET .. Heat exchanger inlet and outlet

See Parts List 5524

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
*127	271558	4	BOLT .. Elbow to heat exchanger - 5/8 - 11 x 1-1/2 hex. head
*128	271572	4	BOLT .. Elbow to heat exchanger - 5/8 - 11 x 4-1/2 hex. head
*129	103325	8	WASHER .. Lock - 5/8
130	8365864	1	EXCHANGER .. Heat - Lube oil cooler (Young)
131	8221295	2	COUPLING .. Flanged - Heat exchanger
132	8213940	2	GASKET .. Flanged coupling to heat exchanger
*133	179841	24	BOLT .. Coupling to heat exchanger - 3/8 - 16 x 1-1/4 hex. head
*134	103321	24	WASHER .. Lock - 3/8
135	8388217	1	TEE .. Lube oil return pipe - 2-1/2 x 3 x 3 I.P.S. socket weld
136	8471160	1	COUPLING ASSEMBLY .. Flexible - Lube oil return - Replaces 8268387 - See Parts List 1801
137	8366933	1	TEE .. Lube oil return pipe - 3 F.P.T. x 3 I.P.S. x 3 I.P.S.
138	9428434	1	BUSHING .. Reducing - 3 M.P.T. x 3/4 F.P.T.
139	8383203	1	FLANGE .. Lube oil return pipe to strainer - Formerly 3318203
140	8366785	1	GASKET .. Flange to lube oil strainer
141	181431	4	BOLT .. Flange to lube oil strainer - 1/2 - 20 x 1-1/2 hex. head
142	103323	4	WASHER .. Lock - 1/2
143	8156588	1	FLANGE .. Lube oil line to overspeed trip housing
144	8058257	1	GASKET .. Flange to overspeed trip housing
*145	181314	2	BOLT .. Flange to overspeed trip housing - 1/4 - 28 x 7/8 hex. head
*146	103319	2	WASHER .. Lock - 1/4
147	8232099	1	GAUGE .. Lube oil pressure - See Parts List 1805
148	8346377	1	EXCHANGER ASSEMBLY .. Heat - Fuel pre-heating - See P.L. No. 780
149	8369492	2	BOLT .. "U" - Heat exchanger to support
150	103321	4	WASHER .. Lock - 3/8
151	012635	4	NUT .. 3/8 - 16 hex.
152	8044161	1	UNION .. Pipe - Fuel supply to heat exchanger inlet - 3/4 F.P.T. x 3/4 M.P.T.
153	8044169	2	ELBOW .. Union - Heat exchanger to fuel strainer pipe - 3/4 F.P.T. - 90°
*154	8044173	1	ELBOW .. Union - Fuel strainer inlet - 3/4 F.P.T. x 3/4 M.P.T. - 90°
*155	8044160	1	UNION .. Pipe - Fuel strainer outlet - 1/2 F.P.T. x 1/2 M.P.T.
156	8044168	1	ELBOW .. Union - Fuel pump inlet - 1/2 F.P.T. - 90°
157	8341983	1	STRAINER ASSEMBLY .. Fuel suction - See Parts List 750
*158	179838	3	BOLT .. Strainer mounting - 3/8 - 16 x 7/8 hex. head
*159	103321	3	WASHER .. Lock - 3/8
160	8302492	1	PUMP ASSEMBLY .. Fuel - Includes motor - See Parts List 4140 - Form. 8080384
161	179843	4	BOLT .. Pump mounting - 3/8 - 16 x 1-1/2 hex. head
162	103341	4	WASHER .. Plain - 13/32 I.D. x 13/16 O.D. x 1/16
163	9416513	4	NUT .. Lock - 3/8 - 16 hex.
φ 164	8371667	1	REGULATOR ASSEMBLY .. Load - See Parts List 4522
φ 164	8117013	1	REGULATOR ASSEMBLY .. Load - See P.L. 4522
*165	179883	3	BOLT .. Regulator mounting - 1/2 - 13 x 1-1/4 hex. head
*166	102637	3	NUT .. 1/2 - 13 hex.
*167	103323	3	WASHER .. Lock - 1/2
*168	8327965	1	BUSHING .. Strain relief - 1/2 M.P.T. - 90°
*169	8068256	1	BUSHING .. Strain relief - 1/2 F.P.T.
*170	8038594	1	BUSHING .. Insulating - 1/2 M.P.T.
171	- - - -	1	BOX ASSEMBLY .. Junction - See Parts List 3239

WATER, LUBE AND FUEL OIL SYSTEM

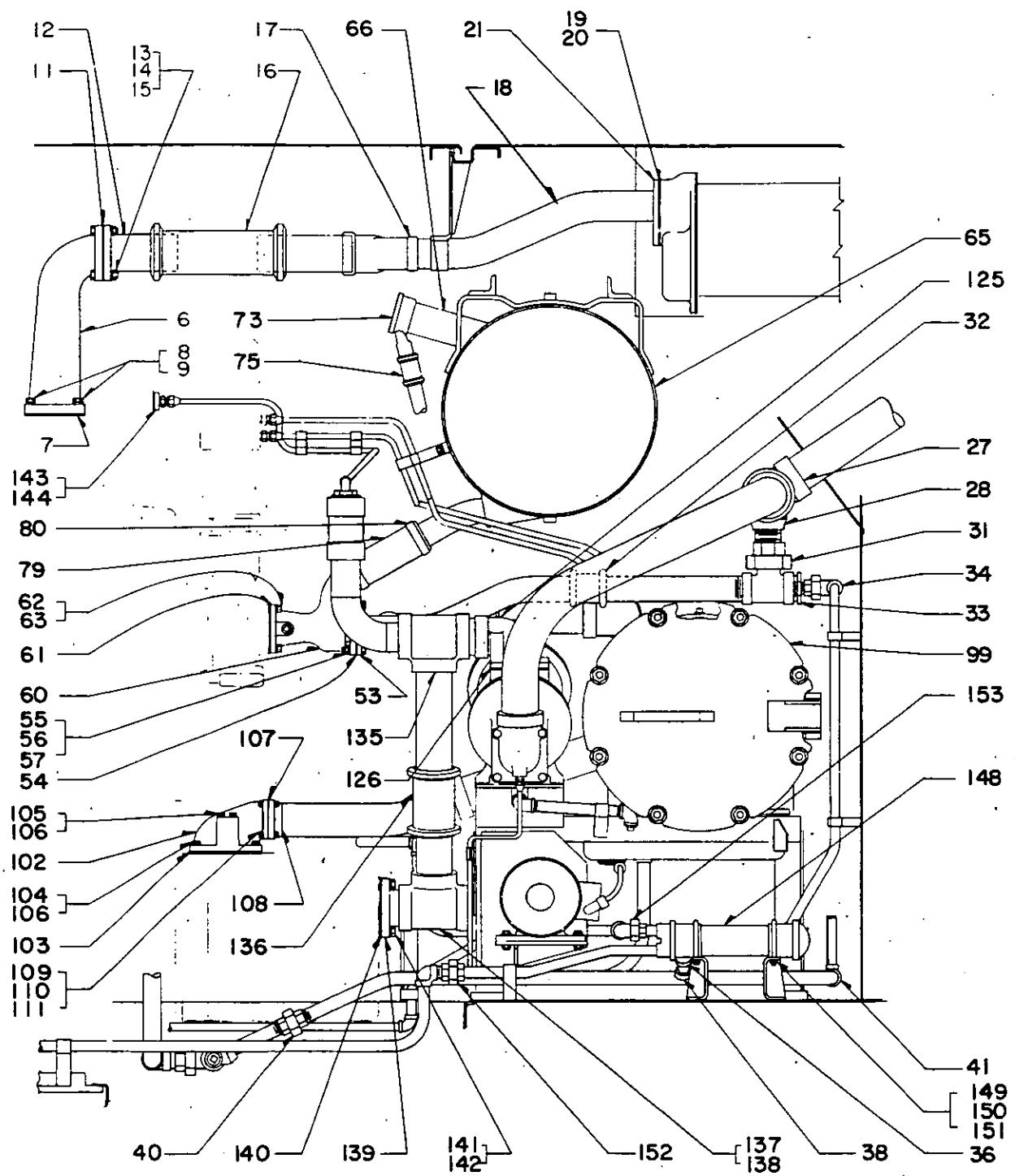


PLATE A513-E-13

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

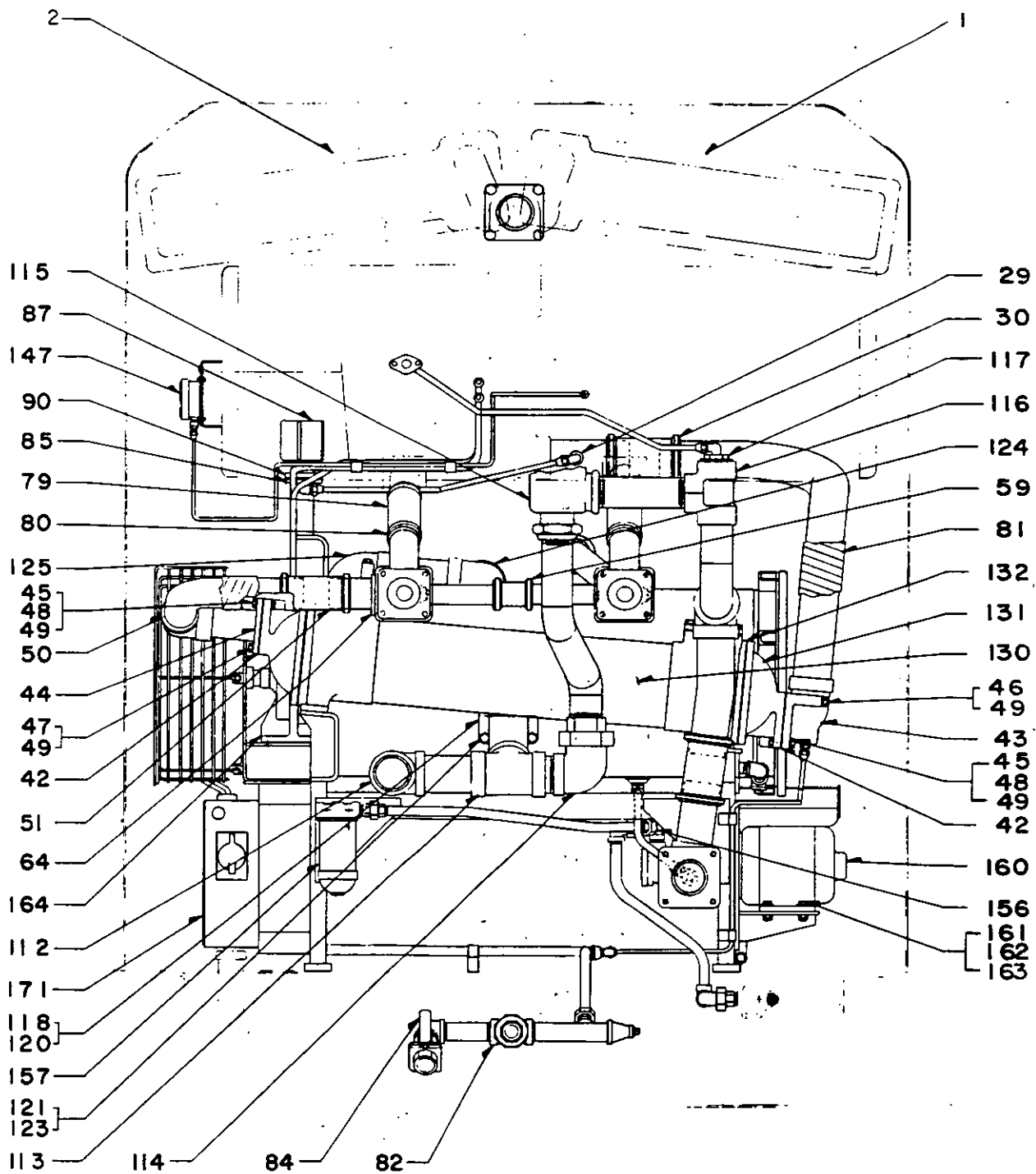


PLATE A513-E-14

P.L. No. D513-E

WATER, LUBE AND FUEL OIL SYSTEM

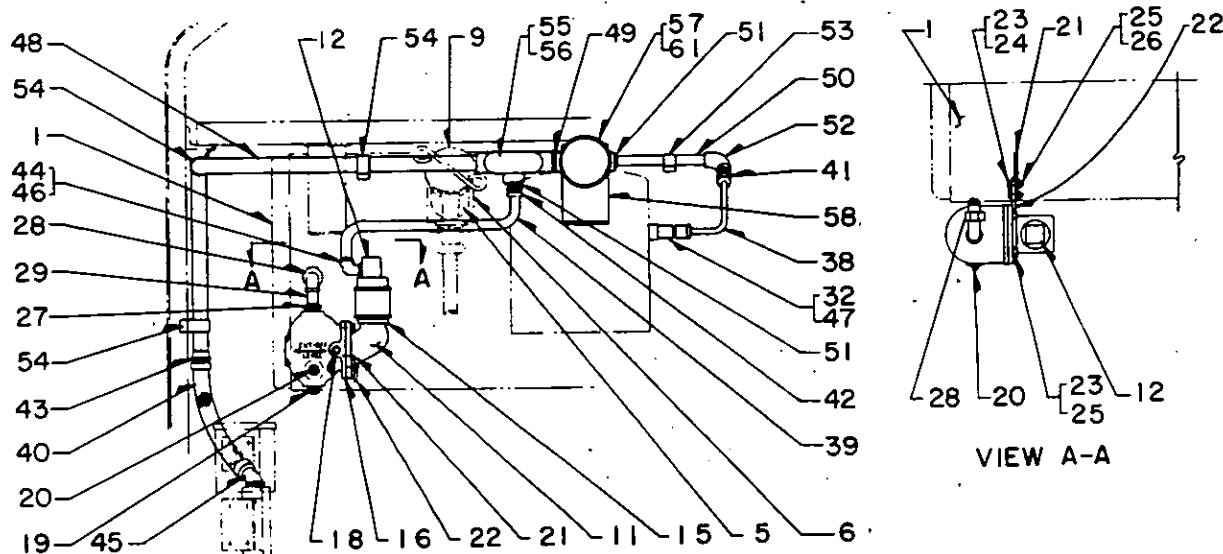
Low Water Cut-Off Application
G22CU And G22CW Locomotives

PLATE A513-E-15

Ref. No.	Part Number	No. Req.	Description
1	8470076	1	TANK ASSEMBLY .. Water - G22CU
1	9318521	1	TANK ASSEMBLY .. Water - G22CW
* 2	271609	4	BOLT .. Water tank mounting - 3/4 - 10 x 1-1/4 hex. head
* 3	103326	4	WASHER .. Lock - 3/4
* 4	220081	4	NUT .. 3/4 - 10 hex.
5	9323491	1	NECK .. Water tank filler - Formerly 8458052
6	8424925	1	GASKET .. Neck to tank
* 7	179839	4	BOLT .. Neck to tank - 3/8 - 16 x 1 hex. head
* 8	103321	4	WASHER .. Lock - 3/8
9	9323490	1	CAP ASSEMBLY .. Water filler - Spring loaded - 7 P.S.I. - Replaces 8446821 and 9087321
*10	8175649	1	SEAL .. Water filler cap - Wire and lead - 16 in. long
11	8232645	1	SWITCH .. Low water cut-off
12	8453255	1	SWITCH .. Float - Replaces 8306877
*13	8306878	1	LEVER ASSEMBLY .. Includes cam
*14	8306879	1	SYLPHON ASSEMBLY
15	8306874	1	GASKET .. Sylphon base - 1-5/8 I.D.
16	8306875	1	GASKET .. Head - 3-3/8 I.D.
*17	8306876	1	FLOAT ASSEMBLY .. Switch
18	103879	1	PLUG .. Pipe - 3/8 M.P.T. - Square head
19	103880	1	PLUG .. Pipe - 1/2 M.P.T. - Square head
20	103882	1	PLUG .. Pipe - 1 M.P.T. - Square head
21	8374368	1	BRACKET .. Valve support - Welds to water tank
22	8322318	1	PAD .. Valve mounting
23	179839	4	BOLT .. Pad to bracket - 3/8 - 16 x 1 hex. head
24	103341	2	WASHER .. Plain - 13/32 I.D.
25	103321	4	WASHER .. Lock - 3/8
26	102635	2	NUT .. 3/8 - 16 hex.
27	189065	1	BUSHING .. Reducing - 1 M.P.T. x 1/2 F.P.T.
28	8045942	1	ELBOW .. 1/2 I.P.S. solder x 1/2 M.P.T. union - 90°
29	8072577	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2 in. long - Threaded one end
*30	8112594	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2-1/2 in. long - Threaded one end
*31	8045917	1	UNION .. Pipe - 1/2 I.P.S. solder x 1/2 F.P.T.
25326	33642		

P.L. No. D513-E

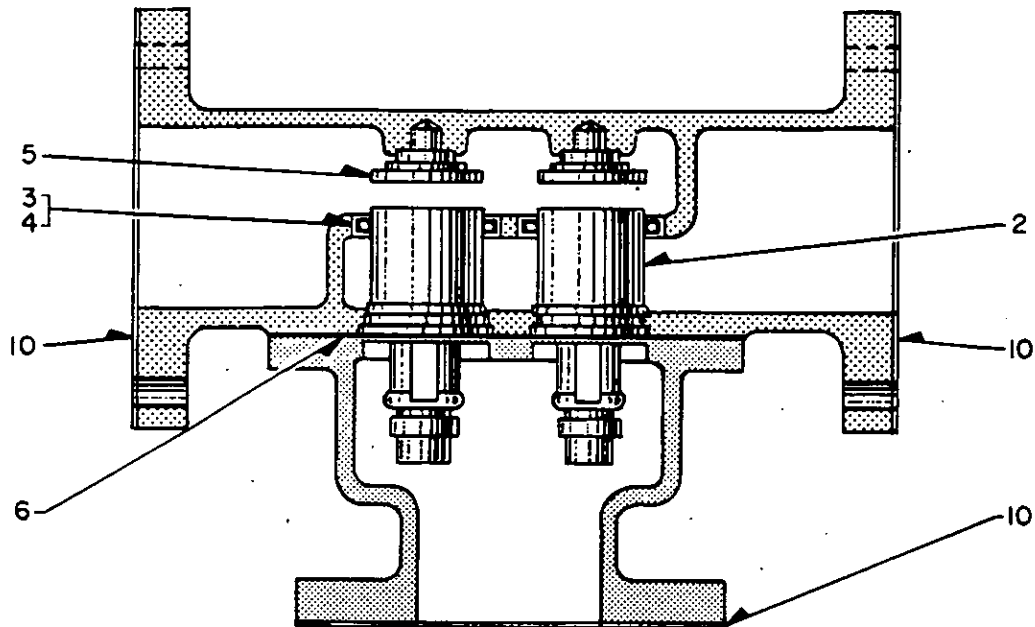
WATER, LUBE AND FUEL OIL SYSTEM

Ref. No.	Part Number	No. Req.	Description
32	8453146	1	RECEPTACLE .. Governor - 16 pole female
*33	8475588	A.R.	CABLE .. 18 AWG. - TFE insl. 500 ft. - Approximately 90 ft. required
*34	8468611	A.R.	CABLE .. 14 AWG. - LF insl. 500 ft. - Approximately 40 ft. required
*35	8210498	4	LUG .. Insl. crimp type - No. 10 stud hole - Blue - No. 14 to 18 AWG.
*36	8380934	8	TERMINAL .. Insl. - Female faston tab - Red - No. 18 to 22 AWG.
*37	8250906	4	TERMINAL .. Insl. - Female faston tab - Blue - No. 12 to 16 AWG.
38	8459618	A.R.	CONDUIT .. 3/8 in. liquid tight flexible metallic - Sold per foot - Approximately 18 inches required
39	8455574	A.R.	CONDUIT .. 1/2 in. liquid tight flexible metallic 25 ft. - Approximately 20 inches required
40	8455575	A.R.	CONDUIT .. 1 in. liquid tight flexible metallic 25 ft. - Approximately 10 inches required
41	8459619	1	CONNECTOR .. 3/8 in. liquid tight conduit - 1/2 M.P.T. - Straight
42	8250975	1	CONNECTOR .. 1/2 in. liquid tight conduit - 1/2 M.P.T. - Straight
43	8251628	1	CONNECTOR .. 1 in. liquid tight conduit - 1/2 M.P.T. - 90°
44	----		REFERENCE NUMBER NOT USED
45	8335603	1	CONNECTOR .. 1 in. liquid tight conduit - 1 M.P.T. - 45°
46	8038594	1	BUSHING .. Insulating - 1/2 F.P.T.
47	8459620	1	FERRULE .. 3/8 in. liquid tight conduit
48	8116843	A.R.	CONDUIT .. 1 in. rigid aluminum 12 ft. - Approx. 53-1/16 inches required
49	8143050	1	NIPPLE .. Conduit - 1 M.P.T. x 1-1/2 in. long
50	8142988	1	NIPPLE .. Conduit - 1/2 M.P.T. x 9 in. long
51	8038556	2	BUSHING .. Reducing - 1 M.P.T. x 1/2 F.P.T.
52	8038389	1	ELBOW .. Conduit - 1/2 F.P.T. - 90°
53	8108197	1	CLAMP ASSEMBLY .. Hanger - 1/2 in. conduit - 6 in. long
54	8108217	3	CLAMP ASSEMBLY .. Hanger - 1 in. conduit - 8 in. long
55	8326143	1	BOX .. Conduit - 1 F.P.T. - 3 hubs
56	8326173	1	COVER ASSEMBLY .. Conduit box - Incl. gasket and mounting screws
57	8315617	1	FITTING .. Lamp - 1 F.P.T. - 2 hubs
58	8462935	1	BRACKET .. Lamp fitting mounting - Welds to water tank
*59	110500	2	SCREW .. Machine - Lamp fitting to bracket - 10 - 24 x 1/2 round head
*60	121801	2	WASHER .. Lock - No. 10 - Internal teeth
61	8332374	1	SOCKET .. Lamp - Incl. mtg. screws and lockwashers

Parts List No. B525-E

THERMOSTATIC VALVE

Two Element Thermostatic Valve
GA18,G18U and G18W Locomotives



Ref. No. 1

PLATE A525-E-1

Ref. No.	Part Number	No. Req.	Description
1	8224544	1	VALVE ASSEMBLY .. Thermostatic
2	8322495	2	ELEMENT .. Thermostatic valve - 160 degree F.
3	8309544	2	RING .. "O" - Element sealing
4	8309543	2	SLEEVE .. Element "O" ring
5	8345868	2	SEAT .. Element valve
6	8233366	1	GASKET .. Valve housing
* 7	179891	4	BOLT .. Valve housing - 1/2-13 x 2-1/2 hex. head
* 8	102637	4	NUT .. 1/2-13 hex.
* 9	103323	4	WASHER .. Lock - 1/2
+10	3310379	3	GASKET .. Water inlet and outlet - Replaces 8040004

Parts List No. C543-E

ENGINE WATER COOLING SYSTEM

Radiators, Fittings, Gaskets and Couplings
GT22CU and GT22CW Locomotives

PLATES A543-E-1 and 2

Ref. No.	Part Number	No. Req.	Description
1	8470342	1	RADIATOR ASSEMBLY .. Water cooling - Left side
2	8470343	1	RADIATOR ASSEMBLY .. Water cooling - Right side
3	179841	6	BOLT .. Radiator to end sheet - 3/8-16 x 1-1/4 hex. head - Formerly 179847
4	179843	6	BOLT .. Radiator to end sheet - 3/8-16 x 1-1/2 hex. head - Formerly 179848
5	179845	6	BOLT .. Radiator to end sheet - 3/8-16 x 1-3/4 hex. head - Formerly 179849
6	103321	6	WASHER .. Lock - 3/8
7	8020764	6	WASHER .. Plain - 3/16
* 8	8432473	A.R.	SHIM .. Radiator to end sheet - 16 ga. x 1-1/2 x 5 in.
* 9	8432474	A.R.	SHIM .. Radiator to end sheet - 11 ga. x 1-1/2 x 5 in.
* 10	8432475	A.R.	SHIM .. Radiator to end sheet - 3/16 x 1-1/2 x 5 in.
* 11	8432476	A.R.	SHIM .. Radiator to end sheet - 1/4 x 1-1/2 x 5 in.
12	8443936	8	CHANNEL .. Radiator support
* 13	179883	16	BOLT .. Channel mounting - 1/2-13 x 1-1/4 hex. head
14	103323	16	WASHER .. Lock - 1/2
15	103343	16	WASHER .. Plain - 1/2
* 16	8117788	A.R.	PAD .. Radiator shim - 1/4 x 2 x 3 in.
* 17	8138268	A.R.	PAD .. Radiator shim - 3/16 x 2 x 3 in.
* 18	8157772	A.R.	PAD .. Radiator shim - 11 ga. x 2 x 3 in.
* 19	8325696	A.R.	PAD .. Radiator shim - 14 ga. x 2 x 3 in.
* 20	8325697	A.R.	PAD .. Radiator shim - 16 ga. x 2 x 3 in.
* 21	8440603	1	ANGLE .. Radiator support
22	8348845	1	ELBOW .. Engine water outlet
23	8347756	1	GASKET .. Elbow to crankcase
24	272563	4	BOLT .. Elbow to crankcase - 1-14 x 2-1/4 hex. head
25	121326	4	WASHER .. Lock - 1 inch
26	103869	1	PLUG .. Pipe - 3/4 M.P.T. - Square head
27	8261826	1	FLANGE .. Pipe
28	8354611	1	GASKET .. Flange to engine water outlet elbow - Replaces 8204326
29	179890	4	BOLT .. Flange to elbow - 1/2-13 x 2-1/4 hex. head
30	103323	4	WASHER .. Lock - 1/2
31	103343	4	WASHER .. Plain - 1/2
32	102637	4	NUT .. 1/2-13 hex.
33	8472078	1	PIPE ASSEMBLY .. Water outlet
34	8470341	1	COUPLING ASSEMBLY .. Flexible - See P.L. 1801
35	8472079	1	PIPE ASSEMBLY
36	8449716	4	CLAMP .. Pipe support
37	179839	8	BOLT .. 3/8-16 x 1 hex. head
38	102635	8	NUT .. 3/8-16 hex.
39	103321	8	WASHER .. 3/8 - Lock
40	8472252	3	ANGLE .. Clamp mounting
41	8471949	1	PIPE ASSEMBLY .. Water outlet
42	8443511	1	CONNECTION .. "Y"
43	8472074	2	PIPE .. Radiator water inlet
44	8234120	2	FLANGE .. Header - Radiator inlet
45	8177371	2	GASKET .. Header flange to radiator
46	179885	12	BOLT .. Header flange to radiator - 1/2-13 x 1-1/2 hex. head
47	103323	12	WASHER .. Lock - 1/2
48	8471959	1	PIPE ASSEMBLY .. Radiator water outlet
49	8471960	1	PIPE ASSEMBLY .. Radiator water outlet
50	8368824	2	GASKET .. Radiator outlet
51	179887	8	BOLT .. Flanged pipe to radiator - 1/2-13 x 1-3/4 hex. head
52	103323	8	WASHER .. Lock - 1/2
53	8446169	4	ANGLE .. Closure
54	8446165	2	ANGLE .. Closure
55	171420	12	SCREW .. Tapping - Closure mounting - 10-24 x 3/8 round head
8472383A			

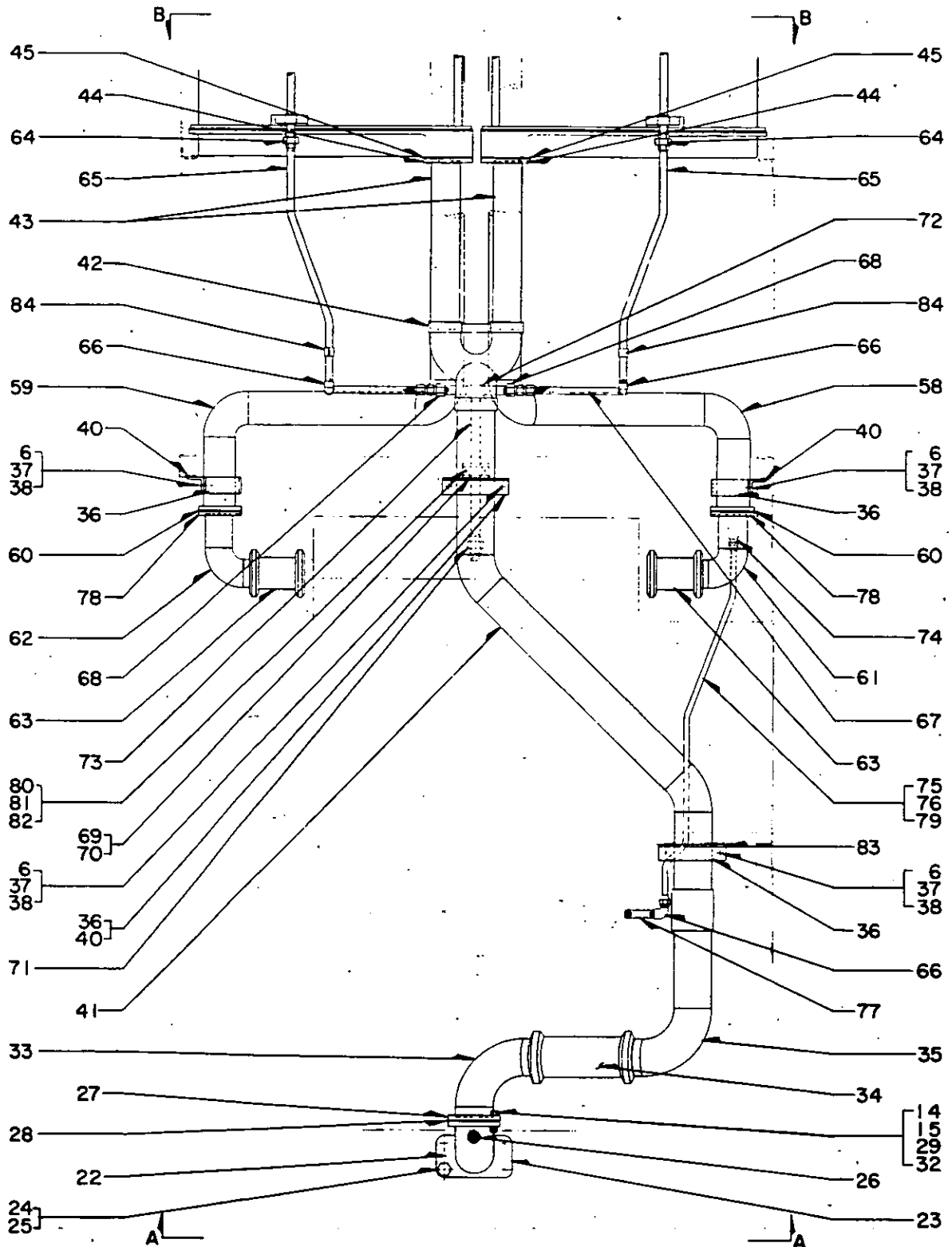
P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

Ref. No.	Part Number	No. Req.	Description
56	8471161	2	COUPLING ASSEMBLY .. 90° elbow - See P.L. 1801
57	8471944	4	SUPPORT .. Radiator water outlet pipe
58	8471950	1	PIPE ASSEMBLY .. Radiator water outlet - Below radiators - Left side
59	8471951	1	PIPE ASSEMBLY .. Radiator water outlet - Below radiators - Right side
60	8368824	2	GASKET .. Pipe flange
61	8457358	1	PIPE ASSEMBLY .. Lube oil cooler water inlet - Left side
62	8472351	1	PIPE ASSEMBLY .. Lube oil cooler water inlet - Right side
63	8471160	2	COUPLING ASSEMBLY .. Flexible - See P.L. 1801
64	8044154	2	UNION .. Pipe - 1/2 F.P.T.
65	8116751	A.R.	PIPE .. 1/2 in. standard wrought steel 20 ft. - (Approx. 31 in. required)
66	144283	3	ELBOW .. 1/2 F.P.T. x 5/8 tube
67	8405061	2	HOSE ASSEMBLY .. 5/8 O.D. x 18 in. long - 5/8 tube connecting both ends
68	8040333	2	CONNECTOR .. 5/8 tube x 3/4 M.P.T.
69	8081710	1	CLAMP .. Vent pipe
70	8472251	1	BRACKET ASSEMBLY .. Vent pipe
71	8044161	1	UNION .. 3/4 M.P.T. x 3/4 F.P.T.
72	8446283	1	TEE .. Pipe - 3/4 in. butt weld
73	8116936	A.R.	PIPE .. 3/4 in. standard wrought steel 20 ft. - (Approx. 17 in. required)
74	109429	1	ELBOW .. 1/2 F.P.T. x 5/8 tube
75	8098596	A.R.	TUBING .. Copper - 5/8 O.D. x .035 wall 20 ft. - (Approx. 51 in. required)
76	144308	2	NUT .. Tube - 5/8
77	8089299	1	NIPPLE .. Pipe - 1/2 M.P.T. x 4 in. long
78	8126274	2	FLANGE .. Pipe
79	8108211	1	CLAMP ASSEMBLY .. Vent pipe
80	179796	2	BOLT .. Bracket mounting - 1/4-20 x 7/8 hex. head
81	109084	2	NUT .. 1/4-20 hex.
82	103319	2	WASHER .. Lock - 1/4
83	8472253	1	ANGLE .. Clamp mounting
84	8108197	2	CLAMP ASSEMBLY .. Vent pipe
85	179889	8	BOLT .. 1/2-13 x 2 hex. head
86	....	.	OVERNIGHT HEATER EQUIPMENT .. See P.L. 4250

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM



FRONT TOP VIEW

PLATE A543-E-1

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

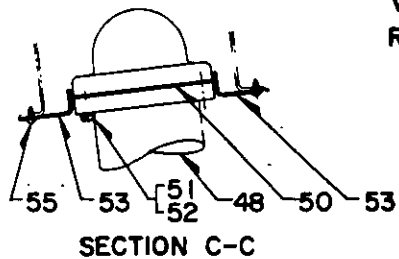
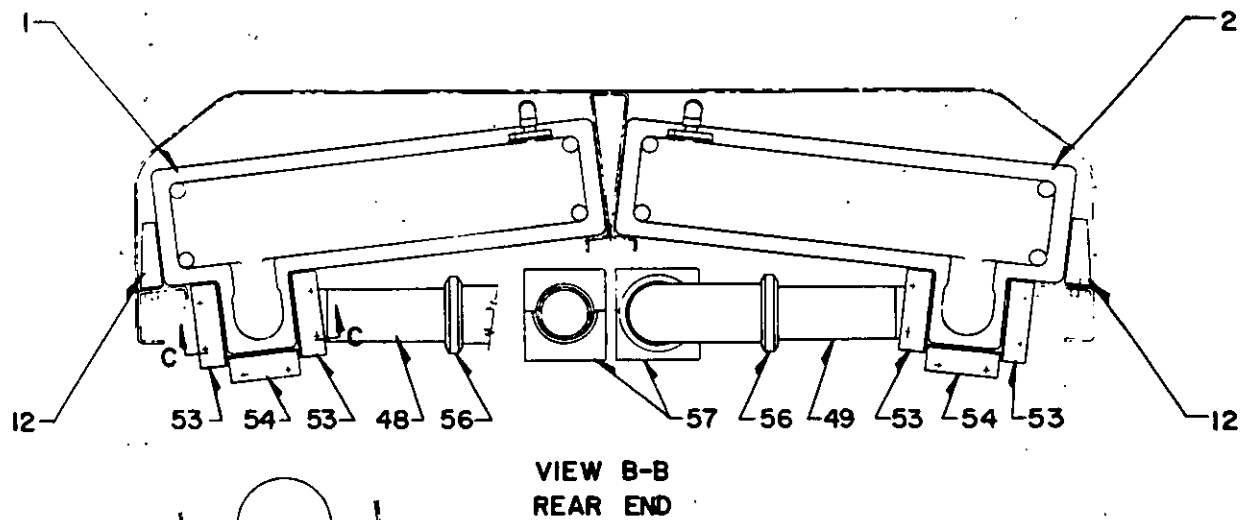
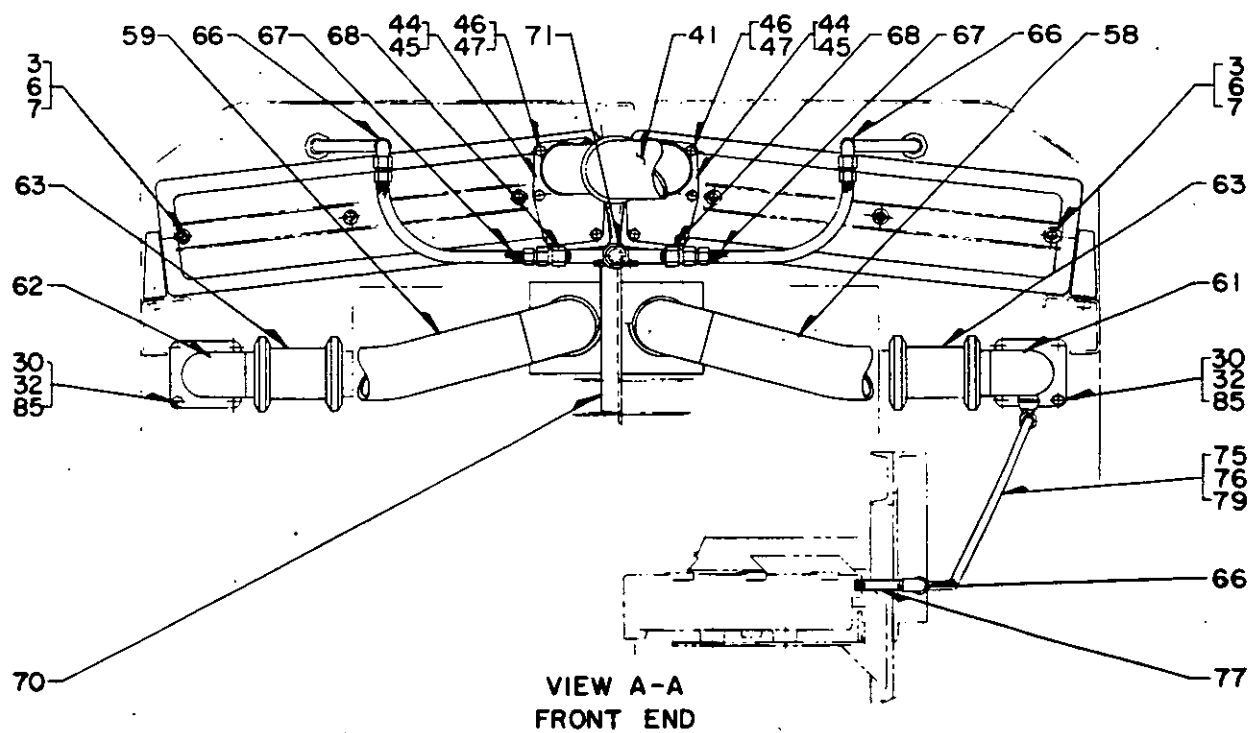


PLATE A543-E-2

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

Radiators, Fittings, Gaskets and Couplings
 JT22CW-2 Locomotive
 PLATE C543-E-3 and 4

Ref. No.	Part Number	No. Req.	Description
1	9338647	1	RADIATOR ASSEMBLY .. Left side
2	9338648	1	RADIATOR ASSEMBLY .. Right side
3	9312325	A.R.	SHIM .. Radiator to hood structure - 1/4 x 1-1/2 x 5 in.
4	9312326	A.R.	SHIM .. Radiator to hood structure - 3/16 x 1-1/2 x 5 in.
5	9312327	A.R.	SHIM .. Radiator to hood structure - 11 ga. x 1-1/2 x 5 in.
6	9312328	A.R.	SHIM .. Radiator to hood structure - 16 ga. x 1-1/2 x 5 in.
7	8492587	1	ELBOW .. "Y" - Engine water outlet
8	103869	1	PLUG .. Pipe - 3/4 M.P.T. - Square head
9	8363147	2	FLANGE .. Pipe
10	8475752	2	PIPE .. Curved - "Y" elbow flange to coupling
11	8347757	2	GASKET .. "Y" elbow to flange
12	8347756	1	GASKET .. "Y" elbow to crankcase
13	8468179	2	COUPLING ASSEMBLY .. Flexible - 3 I.P.S. x 12-1/2 in. long - See P.L. 1801
14	9500386	2	PIPE .. Coupling to pipe - 3 I.P.S.
15	9500553	2	PIPE .. Radiator water inlet - 3 I.P.S.
16	9327805	2	FLANGE .. Pipe to radiator header
17	8432428	2	SCREEN .. Radiator inlet
18	8432427	4	GASKET .. Flange to screen and radiator
19	8458221	1	PIPE .. Radiator water outlet - Left side - 3 I.P.S.
20	8458222	1	PIPE .. Radiator water outlet - Right side - 3 I.P.S.
21	8352787	2	GASKET .. Radiator to pipe
22	8455470	2	COUPLING ASSEMBLY .. Flexible - 90° elbow - See P.L. 1801
23	9500554	1	PIPE .. Coupling to oil cooler - Left side
24	9500523	1	PIPE .. Coupling to water pump - Right side
25	9500488	1	PIPE ASSEMBLY .. Radiator vent - Left side
26	9500487	1	PIPE ASSEMBLY .. Radiator vent - Right side
27	8405061	1	HOSE ASSEMBLY .. Radiator vent - Incl. female tube fittings - 18 in. long
28	8040333	1	CONNECTOR .. 5/8 tube x 3/4 F.P.T.
29	9500450	1	SUPPORT ASY. .. Radiator water inlet pipe - Left side
30	9500451	1	SUPPORT ASY. .. Radiator water inlet pipe - Right side
31	8446110	4	SUPPORT .. Radiator water outlet - Rear and center - Welds to hood
32	8108214	2	CLAMP .. Radiator vent pipe hanger - 8-3/4 in. long
33	179885	24	BOLT .. 1/2 - 13 x 1-1/2 hex. head
33A	179887	4	BOLT .. 1/2 - 13 x 1-3/4 hex. head
34	179889	8	BOLT .. 1/2-13 x 2 hex. head
35	272563	4	BOLT .. 1-14 x 2-1/4 hex. head
36	103343	4	WASHER .. Plain - 1/2
37	103323	36	WASHER .. Lock - 1/2
38	121326	4	WASHER .. Lock - 1
39	102637	8	NUT .. 1/2-13 hex.

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P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

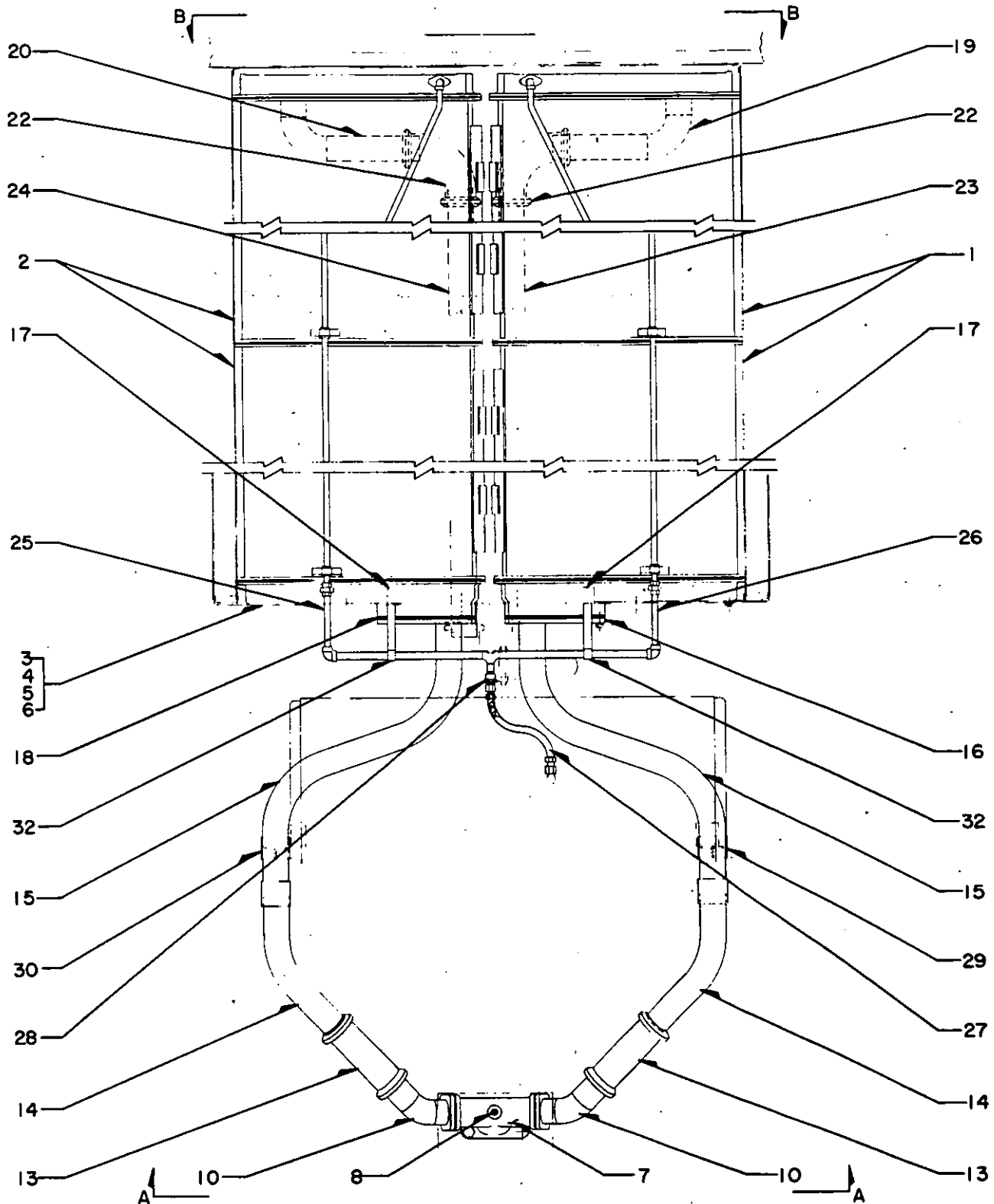
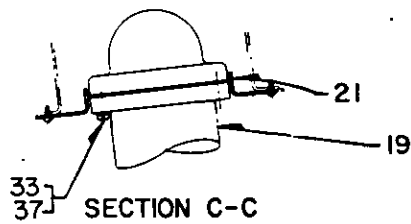
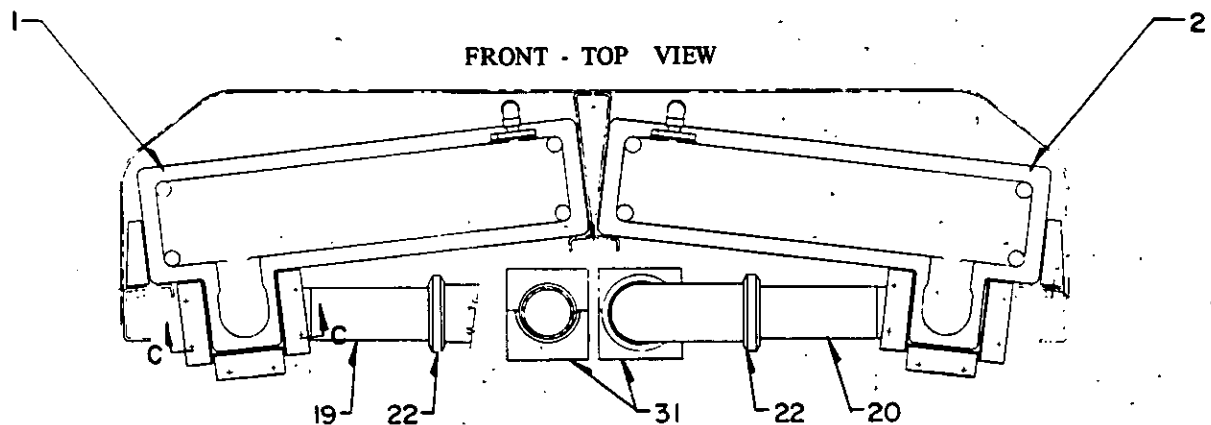
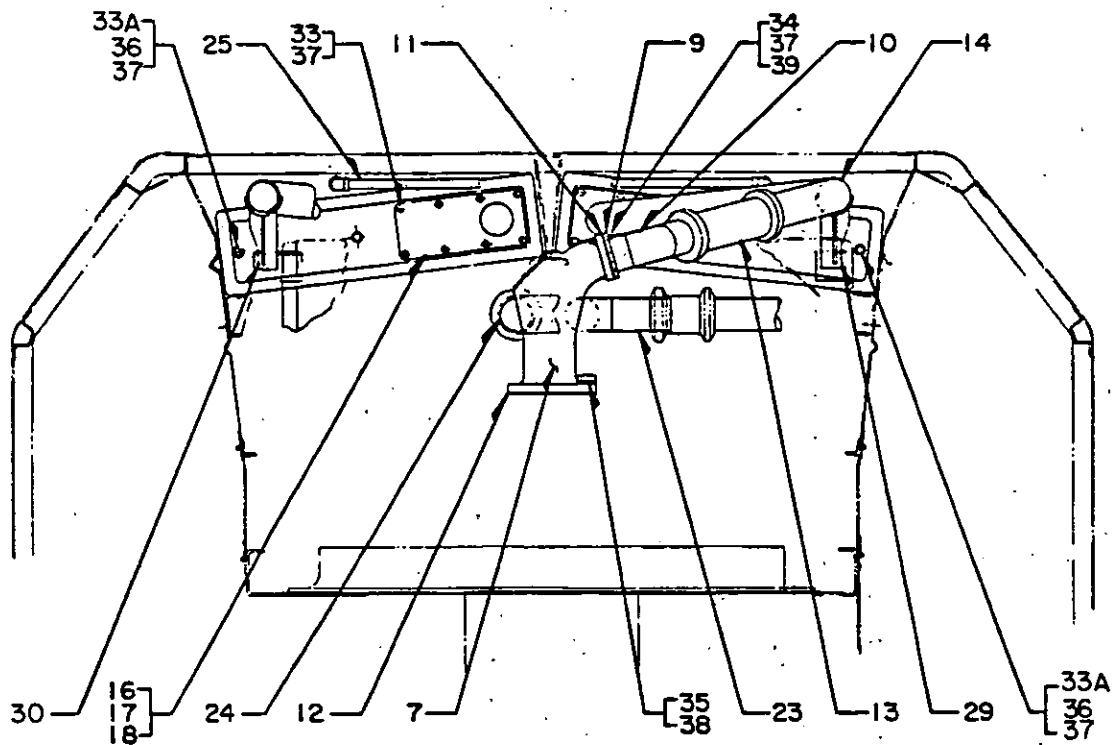


PLATE C543-E-3

ENGINE WATER COOLING SYSTEM



FRONT VIEW :
STARTING NOVEMBER 1973

PLATE C543-E-4

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

Radiators, Fittings, Gaskets and Couplings
GT26CW Locomotives

PLATES B543-E-5 and 6

Ref. No.	Part Number	No. Req.	Description
		A -	GT26CW Locomotives prior to November, 1973
		B -	GT26CW Locomotives starting November, 1973
1	8447448	1 -	RADIATOR ASSEMBLY .. Left side
1	9503014	1 -	RADIATOR ASSEMBLY .. Left side
2	8447449	1 -	RADIATOR ASSEMBLY .. Right side
2	9503015	1 -	RADIATOR ASSEMBLY .. Right side
φ 3	179847	6 -	BOLT .. Radiator to end sheet - 3/8 - 16 x 2 hex. head
φ 3	179848	6 -	BOLT .. Radiator to end sheet - 3/8 - 16 x 2-1/4 hex. head
φ 3	179849	6 -	BOLT .. Radiator to end sheet - 3/8 - 16 x 2-1/2 hex. head
3	179883	6 -	BOLT .. Radiator to end sheet - 1/2 - 13 x 1-1/4 hex. head
4	103321	6 -	WASHER .. Lock - 3/8
4	103323	6 -	WASHER .. Lock - 1/2
5	8020764	6 -	WASHER .. Plain - 3/8
5	103343	6 -	WASHER .. Plain - 1/2
6	8432473	AR -	SHIM .. Radiator to end sheet - 16 ga. x 1-1/2 x 5 in.
6	9312328	- AR	SHIM .. Radiator to end sheet - 16 ga. x 1-1/2 x 5 in.
7	8432474	AR -	SHIM .. Radiator to end sheet - 11 ga. x 1-1/2 x 5 in.
7	9312327	- AR	SHIM .. Radiator to end sheet - 11 ga. x 1-1/2 x 5 in.
8	8432475	AR -	SHIM .. Radiator to end sheet - 3/16 x 1-1/2 x 5 in.
8	9312326	- AR	SHIM .. Radiator to end sheet - 3/16 x 1-1/2 x 5 in.
9	8432476	AR -	SHIM .. Radiator to end sheet - 1/4 x 1-1/2 x 5 in.
9	9312325	- AR	SHIM .. Radiator to end sheet - 1/4 x 1-1/2 x 5 in.
10	179883	24/24	BOLT .. Channel mounting - 1/2 - 13 x 1-1/4 hex. head
11	103323	24/24	WASHER .. Lock - 1/2
12	103343	24/24	WASHER .. Plain - 1/2
13	8117788	AR	PAD .. Radiator shim - 1/4 x 2 x 3 in.
14	8138268	AR	PAD .. Radiator shim - 3/16 x 2 x 3 in.
15	8157772	AR	PAD .. Radiator shim - 11 ga. x 2 x 3 in.
16	8325696	AR	PAD .. Radiator shim - 14 ga. x 2 x 3 in.
17	8325697	AR	PAD .. Radiator shim - 16 ga. x 2 x 3 in.
*18	8440603	AR	ANGLE .. Radiator support - Welds to hood
19	8446622	4 -	GRILL .. Air outlet
*20	8446425	2 -	SUPPORT .. Air outlet grill
*21	179841	8 -	BOLT .. Support mounting - 3/8 - 16 x 1-1/4 hex. head
*22	103321	8 -	WASHER .. Lock - 3/8
*23	106263	8 -	WASHER .. Plain - 3/8
24	9419648	176 -	SCREW .. Tapping - Grill mounting - 5/16 - 18 x 3/4 hex. washer head
φ 25	8348845	1 -	ELBOW .. Engine water outlet
φ 25	8359613	1 1	LATERAL .. Flanged - Engine water outlet
26	8347756	1 1	GASKET .. Elbow to crankcase
27	272563	4 4	BOLT .. Elbow to crankcase - 1-14 x 2-1/4 hex. head
28	121326	4 4	WASHER .. Lock - 1 inch
29	103869	1 -	PLUG .. Pipe - 3/4 M.P.T. - Square head - Formerly applied
φ 30	8447383	1 -	PIPE .. Flange to flexible coupling
φ 30	8482731	2 2	PIPE .. Flange to flexible coupling
φ 31	8261826	1 -	FLANGE .. Pipe
φ 31	8363147	2 2	FLANGE .. Pipe
φ 32	8354611	1 -	GASKET .. Flange to engine water outlet elbow - Replaces 8204326
φ 32	8347757	2 2	GASKET .. Flanged lateral to pipe
33	179889	8 8	BOLT .. Flange to flange - 1/2 - 13 x 2 hex. head - Formerly 179890, 4 required
34	103323	8 8	WASHER .. Lock - 1/2
35	103343	4 -	WASHER .. Plain - 1/2
36	102637	8 8	NUT .. 1/2 - 13 hex.
φ 37	8468179	2 2	COUPLING ASSEMBLY .. Flexible
φ 37	8470341	1 -	COUPLING ASSEMBLY .. Flexible - Repl. 8421971

See Parts List 549

See P.L.
1801

8447690E 8446162B 8489170F

C543-E

8

AUGUST, 1980

P.L. No. C543-E

ENGINE - WATER COOLING SYSTEM

Ref. No.	Part Number	No. Req.	Description
		A -	GT26CW Locomotives prior to November, 1973
		B -	GT26CW Locomotives starting November, 1973
38	8421038	1 -	PIPE .. Coupling to "Y" connection
39	8443511	1 -	CONNECTION .. "Y"
40	8447527	2 -	PIPE ASSEMBLY .. Radiator water inlet and by-pass - 6 ft. 1-27/32 in. long
41	8234120	2 -	FLANGE .. Header - Radiator inlet
*41	9096365	- 2	FLANGE .. Header - Radiator inlet
42	8177371	2 -	GASKET .. Header flange to radiator
*42	8432427	- 4	GASKET .. Header - Flange to screen to radiator
43	8475753	- 2	PIPE .. Coupling to radiator inlet pipe
44	8482848	- 1	PIPE ASSEMBLY .. Radiator water inlet - Right side
45	8482847	- 1	PIPE ASSEMBLY .. Radiator water inlet - Left side
46	179885	12 12	BOLT .. Header flange to radiator - 1/2 - 13 x 1-1/2 hex. head
47	103343	12 12	WASHER .. Lock - 1/2
48	8176741	2 -	CLAMP .. Pipe support - Front
49	8081634	2 2	CLAMP .. Pipe support - Rear
50	179841	8 4	BOLT .. Clamp to angle - 3/8 - 16 x 1-1/4 hex. head
51	103321	8 4	WASHER .. Lock - 3/8
52	102635	8 4	NUT .. 3/8 - 16 hex.
φ 53	8447526	2 -	PIPE .. Flanged - Radiator water outlet
φ 53	8458222	1 1	PIPE ASSEMBLY .. Radiator water outlet - Right side
φ 53	8458221	1 1	PIPE ASSEMBLY .. Radiator water outlet - Left side
54	8352787	2 2	GASKET .. Flanged pipe to radiator
55	179885	8 8	BOLT .. Flanged pipe to radiator - 1/2 13 x 1-1/2 hex. head
56	103323	8 8	WASHER .. Lock - 1/2
57	8446169	4 4	ANGLE .. Closure
58	8446165	2 2	ANGLE .. Closure
59	171420	12 12	SCREW .. Tapping - Closure mounting - 10-24 x 3/8 round head
φ 60	8468179	2 -	COUPLING ASSEMBLY .. Flexible - Repl. 8339732
φ 60	8455470	2 2	COUPLING ASSEMBLY .. Flexible
61	8447475	2 -	PIPE ASSEMBLY .. Radiator water outlet - Below radiators
62	8446661	1 1	PIPE ASSEMBLY .. Radiator water outlet - Curved - Left side
63	8446899	1 1	PIPE ASSEMBLY .. Radiator water outlet - Curved - Right side
64	8176741	2 2	CLAMP .. Pipe support
65	179841	4 4	BOLT .. Clamp mounting - 3/8 - 16 x 1-1/4 hex. head
66	103321	4 4	WASHER .. Lock
67	102635	4 4	NUT .. 3/8 - 16 hex.
68	8409356	2 -	PIPE .. Curved - Lube oil cooler water inlet
68	9519311	- 2	PIPE .. Curved - Lube oil cooler water inlet
69	8126274	2 -	FLANGE .. Pipe
69	9519289	- 2	TUBE ASSEMBLY .. Includes flange
70	8341293	2 2	GASKET .. Pipe flange
71	179889	8 8	BOLT .. Flange to flange - 1/2 - 13 x 1-1/2 hex. head
72	103323	8 8	WASHER .. Lock - 1/2
73	102637	8 8	NUT .. 1/2 - 13 hex.
74	8471160	2 2	COUPLING ASSEMBLY .. Flex. - Repl. 8268387 - See P.L. 1801
*75	9085710	AR	TAPE .. Glass - .030 x 1-1/2 x 100 ft. - Replaces 8122246
*76	8105872	AR	TAPE .. Asbestos - 1/16 x 3 x 50 ft.
*77	8380462	8 8	CLAMP .. Open end - Tape to pipe - Formerly 8380469
78	8482568	2 -	PIPE ASSEMBLY .. Water by-pass - Inner - Formerly 8446831
78	9090749	- 1	PIPE ASSEMBLY .. Water by-pass - Inner - Right side
78	9090748	- 1	PIPE ASSEMBLY .. Water by-pass - Inner - Left side
79	8482567	2 -	PIPE ASSEMBLY .. Water by-pass - Outer - Formerly 8446939
79	8153158	- 2	NIPPLE .. Water by-pass - 1-1/2 x 2-1/2 long - Threaded one end only
80	9084972	- 2	PIPE ASSEMBLY .. Water by-pass
81	8472849	2 -	COUPLING ASSEMBLY .. Flexible - Repl. 8427112
81	8477156	- 2	COUPLING ASSEMBLY .. Flexible
82	8445877	2 -	HOSE ASSEMBLY .. Radiator vent line - 32 in. long

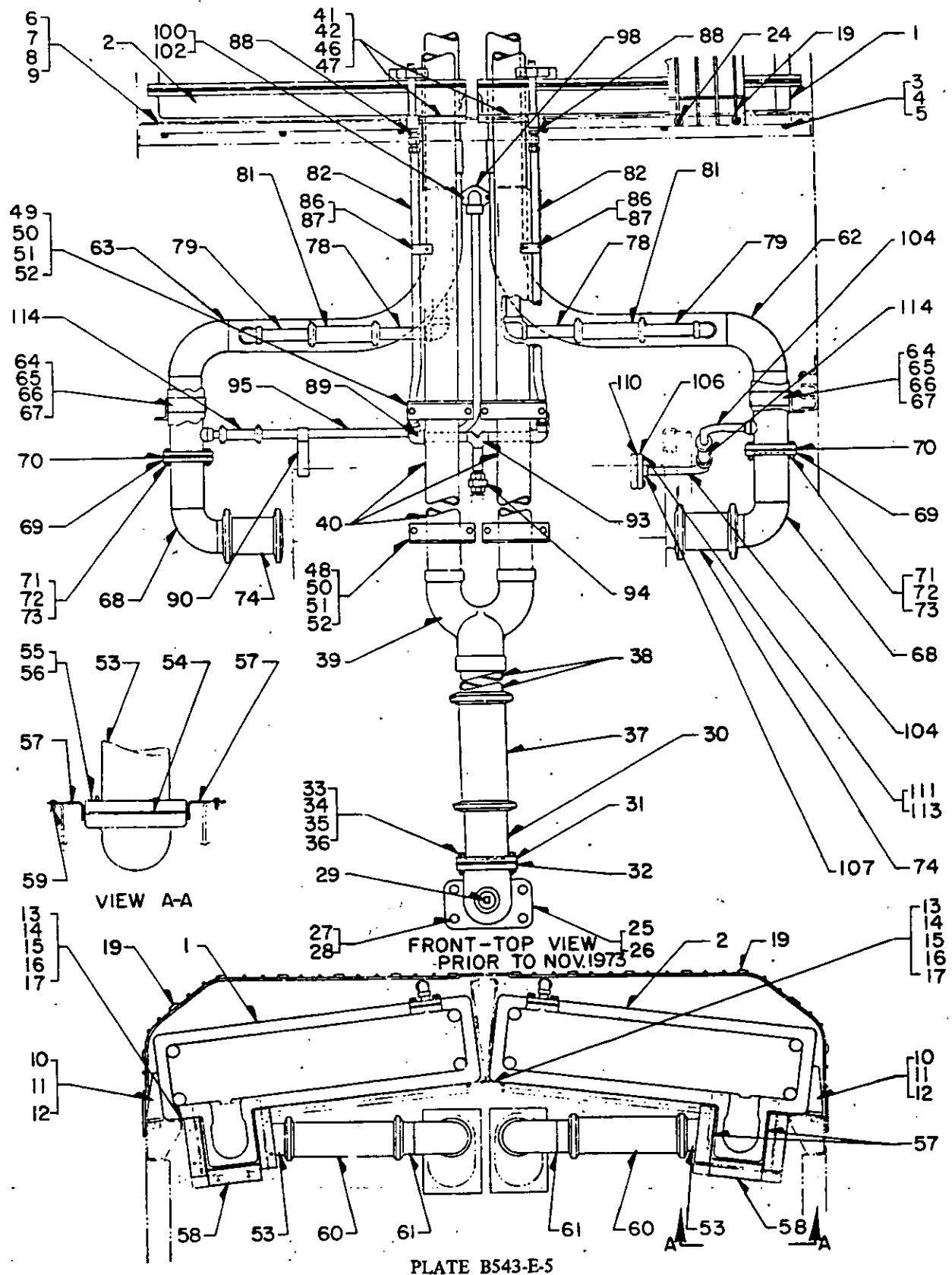
See P.L.
1801See P.L.
1801

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

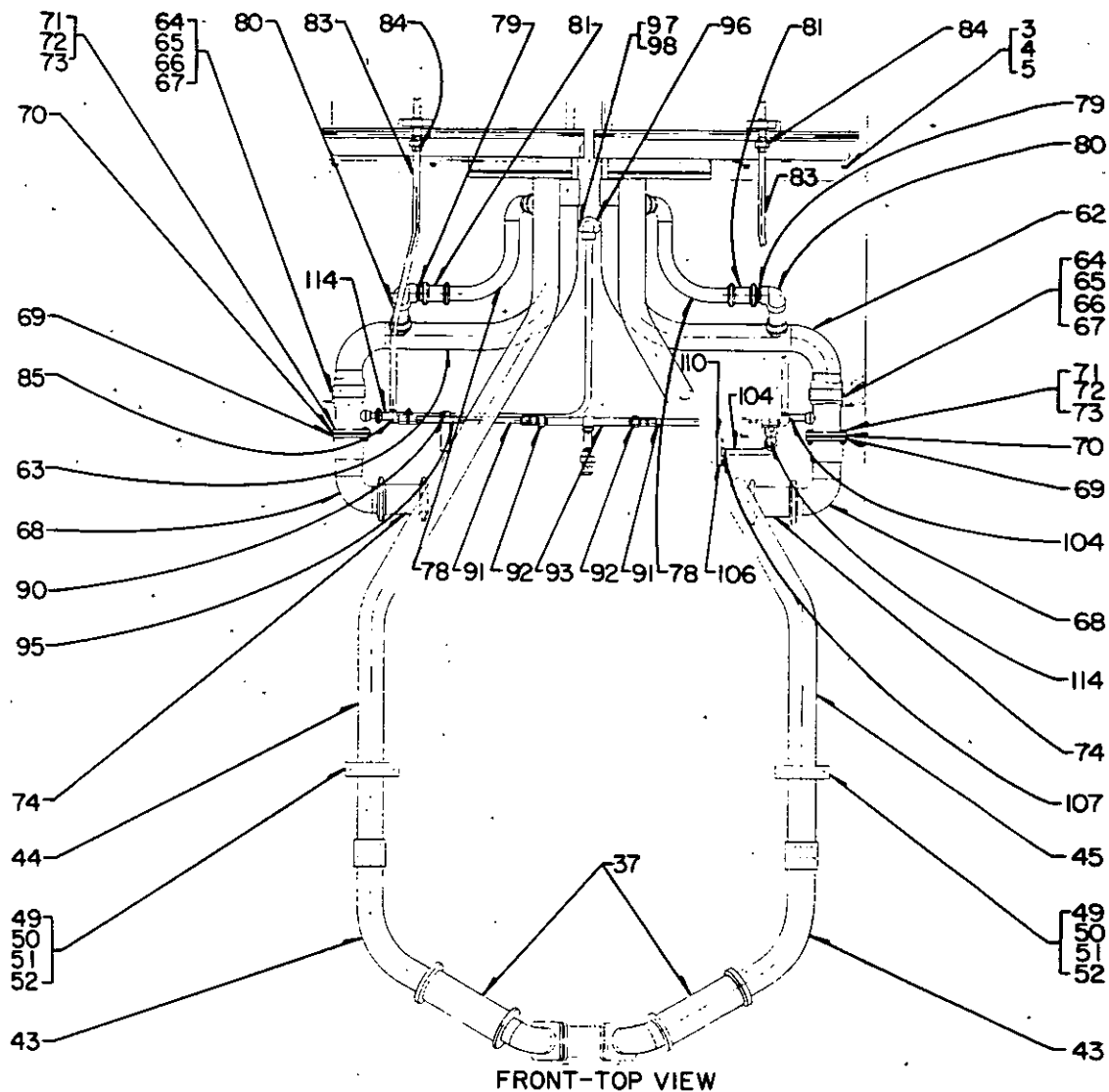
Ref. No.	Part Number	No. Req.	Description
		A -	GT26CW Locomotives prior to November, 1973
		- B	GT26CW Locomotives starting November, 1973
83	8116751	- AR	PIPE .. 1/2 in. standard wrought steel - 20 ft. (Approx. 6 ft. required)
84	8044154	- 2	UNION .. Pipe - 1/2
85	144283	- 2	ELBOW .. 1/2 F.P.T. x 5/8 tube
86	8447463	2 -	SHEET .. Hose retaining - 1 x 2-1/8 in. long
87	171601	2 -	SCREW .. Tapping - Sheet mounting - 1/4 - 20 x 5/8 round head
88	116487	2 -	CONNECTOR .. 1/2 M.P.T. x 5/8 tube
89	8156823	2 -	ELBOW .. 3/4 F.P.T. x 5/8 tube - 90°
90	8147234	1 1	CLAMP ASSEMBLY .. Air compressor water outlet pipe support
91	8405061	- 2	HOSE ASSEMBLY .. Radiator vent line - 18 in. long - 5/8 swivel conn. both ends
92	8040333	- 2	CONNECTOR .. 5/8 tube x 3/4 F.P.T.
93	8447091	1 -	PIPE ASSEMBLY .. Radiator vent line crossover
93	9519477	- 1	PIPE ASSEMBLY .. Radiator vent line crossover
94	8044161	1 1	UNION .. Pipe - 3/4 F.P.T. x 3/4 M.P.T. - Formerly 8044061
95	8446520	1 1	PIPE ASSEMBLY .. Air compressor water outlet
*96	8425692	1 1	PIPE ASSEMBLY .. Air compressor water inlet
*97	8044169	1 1	ELBOW .. Union - 3/4 F.P.T. - 90°
98	8057487	1 1	GASKET .. Air compressor water outlet pipe flange to compressor
*99	8083349	1 1	GASKET .. Air compressor water inlet pipe flange to compressor
100	179839	2 2	BOLT .. Water inlet pipe flange to compressor - 3/8 - 16 x 1 hex. head
*101	179849	2 2	BOLT .. Water outlet pipe flange to compressor - 3/8 - 16 x 2-1/2 hex. head
102	103321	4 4	WASHER .. Lock - 3/8
*103	102635	2 2	NUT .. 3/8 - 16 hex.
104	8116751	AR	PIPE .. 1/2 in. standard wrought steel - 20 ft. - (Approx. 2 ft. required)
*105	8116936	AR	PIPE .. 3/4 in. standard wrought steel - 20 ft. - (Approx. 7 ft. required)
106	8173558	2 2	FLANGE .. Swivel
107	8173555	1 1	INSERT .. Swivel flange
*108	8173557	1 1	INSERT .. Swivel flange - Temp. switch manifold water inlet
*109	8044161	1 1	ELBOW .. Union - 3/4 F.P.T. - 90° - Temp. switch man. water inlet
110	8057487	2 2	GASKET .. Swivel flange to manifold
111	179883	2 -	BOLT .. Swivel flange to manifold - 1/2 - 13 x 1-1/4 hex. head - Form. 170883
*112	179885	2 2	BOLT .. Swivel flange to manifold - 1/2 - 13 x 1-1/2 hex. head
113	103323	4 4	WASHER .. Lock - 1/2
114	8476711	2 2	COUPLING ASSEMBLY .. Flexible - Replaces 8347697 - See P.L. 1801
115	8108214	3 3	CLAMP ASSEMBLY .. Temperature switch manifold water inlet - Pipe and compressor water inlet pipe support
*116	8446159	1 1	PIPE ASSEMBLY .. System water drain - 32-3/8 in. long
*117	218606	1 1	TEE .. Pipe - 1-1/4 F.P.T. x 3/4 F.P.T. x 3/4 F.P.T.
*118	8433043	1 1	PIPE ASSEMBLY .. Flanged - System and engine water drain - 29-9/16 in. long
*119	111001	1 1	ELBOW .. Pipe - 1-1/4 F.P.T. x 1-1/4 M.P.T. - 90°
*120	8354227	1 1	VALVE .. Ball cock - 1-1/4 F.P.T. - See Parts List 1850
*121	8433042	1 1	PIPE .. Flanged - Engine water drain - 2-1/4 in. long
*122	8330335	1 1	GASKET .. Flange to flange
*123	179845	4 4	BOLT .. Flange to flange - 3/8 - 16 x 1-3/4 hex. head
*124	103321	4 4	WASHER .. Lock - 3/8
*125	102635	4 4	NUT .. 3/8 - 16 hex.
*126	8108219	1 1	CLAMP ASSEMBLY .. System and engine water drain pipe support
*127	8129079	1 1	CLAMP ASSEMBLY .. System and engine water drain support at ball cock valve

ENGINE WATER COOLING SYSTEM

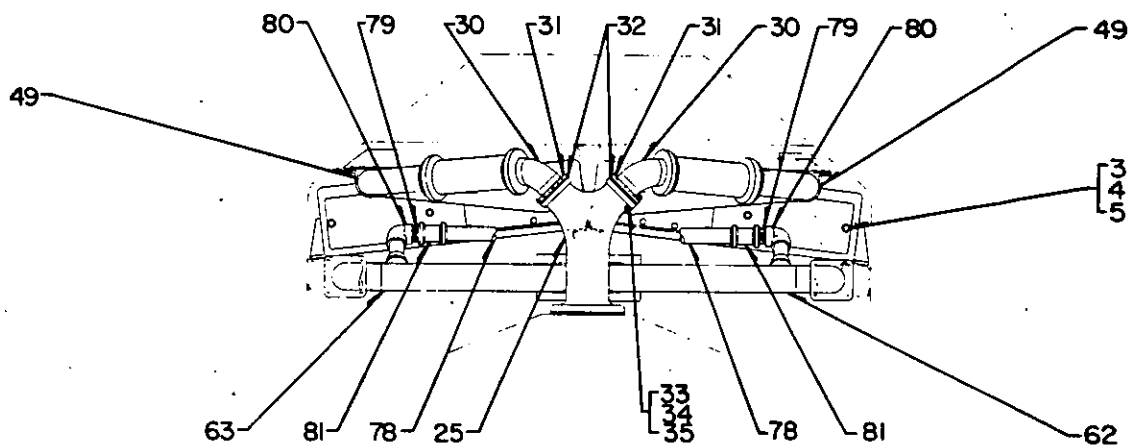


P.L. No. C543-E

ENGINE WATER COOLING SYSTEM



FRONT-TOP VIEW



FRONT VIEW
 STARTING NOVEMBER, 1973
 PLATE B543-E-6

ENGINE WATER COOLING SYSTEM

Radiators, Fittings, Gaskets And Couplings
GT26CU-2 and GT26CW-2 Locomotives

PLATES B543-E-7 and 8

Ref. No.	Part Number	No. Req.	Description
1	9503014	1	RADIATOR ASSEMBLY .. Left side - Formerly 8447448
2	9503015	1	RADIATOR ASSEMBLY .. Right side - Formerly 8447449
3	179883	4	BOLT .. Radiator to end sheet - 1/2 - 13 x 1-1/4 hex. hd. - Formerly 179843,179848
4	179885	4	BOLT .. Radiator to end sheet - 1/2 - 13 x 1-1/2 hex. hd.
5	179887	4	BOLT .. Radiator to end sheet - 1/2 - 13 x 1-3/4 hex. hd. - Formerly 179845,179849
6	103323	4	WASHER .. Lock - 1/2 - Formerly 103321
7	103343	4	WASHER .. Plain - 1/2 - Formerly 8020764
8	9312328	AR	SHIM .. Radiator to end sheet - 16 ga. x 1-1/2 x 5 in. - Replaces 9503343 - Formerly 8432473
9	9312327	AR	SHIM .. Radiator to end sheet - 11 ga. x 1-1/2 x 5 in. - Replaces 9503342 - Formerly 8434274
10	9312326	AR	SHIM .. Radiator to end sheet - 3/16 x 1-1/2 x 5 in. - Replaces 9503341 - Formerly 8434275
11	9312325	AR	SHIM .. Radiator to end sheet - 1/4 x 1-1/2 x 5 in. - Replaces 9503340 - Formerly 8434276
12	8443936	12	CHANNEL .. Radiator support
13	179883	24	BOLT .. Channel to hood - 1/2 - 13 x 1-1/4 hex. head
14	103323	24	WASHER .. Lock - 1/2
15	103343	24	WASHER .. Plain - 1/2
16	8325697	1	PAD .. Radiator shim - 16 ga. x 2 x 3 in.
17	8325696	1	PAD .. Radiator shim - 14 ga. x 2 x 3 in.
18	8157772	1	PAD .. Radiator shim - 11 ga. x 2 x 3 in.
19	8138268	1	PAD .. Radiator shim - 3/16 x 2 x 3 in.
20	8117788	1	PAD .. Radiator shim - 1/4 x 2 x 3 in.
*21	8440603	1	ANGLE .. Radiator support - Welds to hood
22	8359613	1	FITTING .. "Y" engine water outlet
23	8347756	1	GASKET .. "Y" fitting to crankcase
24	272563	4	BOLT .. "Y" fitting to crankcase - 1 - 14 x 2-1/4 hex. head
25	121326	4	WASHER .. Lock - 1 inch
26	8475752	2	PIPE .. Curved - "Y" fitting to flexible coupling
27	8363147	2	FLANGE .. Pipe
28	8347757	2	GASKET .. Pipe flange to "Y" fitting
29	179889	8	BOLT .. Pipe flange to "Y" fitting - 1/2 - 13 x 2 hex. head
30	103323	8	WASHER .. Lock - 1/2
31	102637	8	NUT .. 1/2 - 13 hex.
32	8468179	2	COUPLING ASSEMBLY .. Flexible - 3 I.P.S. x 12-1/2 in. long - See P.L. 1801
33	8475753	2	PIPE .. Curved - Flexible coupling to tube sleeve - Left and right side - Formerly 8475373
34	8475681	1	PIPE ASSEMBLY .. Radiator water inlet and by-pass - Left side
35	8475682	1	PIPE ASSEMBLY .. Radiator water inlet and by-pass - Right side
*36	8116750	As Req.	PIPE .. 3 in. standard wrought steel - 20 ft. (Approx. 8 ft. required)
*37	8116937	As Req.	PIPE .. 1 in. standard wrought steel - 20 ft. (Approx. 3 in. required) - Prev. Applied
38	8340672	1	SLEEVE .. Tube - 3.562 I.D. x 4 O.D. x 3-1/2 in. long
*39	8130823	1	ELBOW .. Pipe - 1 I.P.S. socket weld - 90° - Previously Applied
*40	9090272	1	OUTLET .. Pipe - 3 in. run - 1-1/2 I.P.S. socket weld - Formerly 8437247
41	9096365	2	FLANGE .. Header - Radiator inlet - Formerly 8234120
42	8432427	4	GASKET .. Header screen to radiator - Formerly 8177371
43	179885	16	BOLT .. Header flange to radiator - 1/2 - 13 x 1-1/2 hex. head
44	103323	16	WASHER .. Lock - 1/2
45	8475775	1	ANGLE .. Clamp mounting - Left side - Welds to hood
46	8475776	1	ANGLE .. Clamp mounting - Right side - Welds to hood
47	8081634	2	CLAMP .. Pipe support
48	179841	4	BOLT .. Clamp to angle - 3/8 - 16 x 1-1/4 hex. head
49	103321	4	WASHER .. Lock - 3/8
50	102635	4	NUT .. 3/8 - 16 hex.

8475829G

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

Ref. No.	Part Number	No. Req.	Description
51	8458221	1	PIPE .. Flanged - Radiator water outlet - Left side
52	8458222	1	PIPE .. Flanged - Radiator water outlet - Right side
53	8352787	2	GASKET .. Flanged pipe to radiator
54	179885	8	BOLT .. Flanged pipe to radiator - 1/2 - 13 x 1-1/2 hex. head
55	103323	8	WASHER .. Lock - 1/2
56	8446169	4	ANGLE .. Closure - Left and right side
57	8446165	2	ANGLE .. Closure - Bottom
58	171420	12	SCREW .. Tapping - Closure mounting - 10 - 24 x 3/8 round head
59	8455470	2	COUPLING .. Flexible - 3 I.P.S. - 90° - See P.L. 1801
60	8475703	1	PIPE ASSEMBLY .. Radiator water outlet - Below radiators - Left side
61	8475702	1	PIPE ASSEMBLY .. Radiator water outlet - Below radiators - Right side
*62	8116750	As Req.	PIPE .. 3 in. standard wrought steel 20 ft. - (Approx. 17 ft. required)
63	8126274	1	FLANGE .. Pipe
64	8071595	2	ELBOW .. Pipe - 3 I.P.S. weld - 90°
65	9090272	1	OUTLET .. Pipe - 3 in. run - 1-1/2 I.P.S. socket weld - Formerly 8437247
*66	8105872	As Req.	TAPE .. Pipe insulating - 1/16 x 3 in. - 50 ft. roll
*67	8077101	As Req.	TAPE .. Friction - .015 x 3/4 in. - 27 yd. roll
*68	8380462	5	CLAMP .. Open end - 19 in. long
69	8446110	4	SUPPORT .. Radiator water outlet pipe - Rear and center - Welds to hood
70	8454605	4	SHEET .. Closure - Radiator water outlet pipe - Rear and center - Welds to hood
71	8110744	2	ANGLE .. Clamp mounting - Left and right side - Welds to hood
72	8176741	2	CLAMP .. Pipe support
73	179841	4	BOLT .. Clamp to angle - 3/8 - 16 x 1-1/4 hex. head
74	103321	4	WASHER .. Lock - 3/8
75	102635	4	NUT .. 3/8 - 16 hex.
76	8472351	1	PIPE ASSEMBLY .. Lube oil cooler water inlet - Right side
76A	9521236	1	PIPE ASSEMBLY .. Lube oil cooler water inlet - Left side
77	8126274	2	FLANGE .. Pipe
78	8341293	2	GASKET .. Pipe flange
79	179889	8	BOLT .. Flange to flange - 1/2 - 13 x 2 hex. head
80	103323	8	WASHER .. Lock - 1/2
81	102637	8	NUT .. 1/2-13 hex.
82	8471160	2	COUPLING ASSEMBLY .. Flexible - See P.L. 1801
83	9503313	2	PIPE ASSEMBLY .. Water by-pass - Formerly 9084972
84	9503312	2	PIPE .. Water by-pass - Elbow to coupling - Formerly 8153969
84	9503314	2	PIPE ASSEMBLY .. Coupling to outlet - Formerly 9084973
85	8477156	2	COUPLING ASSEMBLY .. Flexible - Formerly 8472849 - See P.L. 1801
86	8472246	2	PIPE ASSEMBLY .. Radiator vent line - Left and right side
*87	8116751	AR	PIPE .. 1/2 in. standard wrought steel 20 ft. - (Approx. 3 ft. required)
88	8044154	2	UNION .. Pipe - 1/2 F.P.T.
89	8108197	2	CLAMP ASSEMBLY .. Pipe support - Welds to hood
90	8405061	3	HOSE ASSEMBLY .. Radiator vent line - Incl. female tube fittings - 18 in. long
91	8040333	2	CONNECTOR .. 5/8 tube x 3/4 F.P.T.
92	144283	2	ELBOW .. 5/8 tube x 1/2 F.P.T. - 90°
93	8447091	1	PIPE ASSEMBLY .. Radiator vent line crossover
*94	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. - (13 in. required)
95	8446209	1	TEE .. Pipe - 3/4 in. butt weld
96	8044161	1	UNION .. Pipe - 3/4 F.P.T. x 3/4 M.P.T.
*97	8105872	AR	TAPE .. Insulating - 1/16 x 3 in. - 50 ft. roll
*98	8077101	AR	TAPE .. Friction - .015 x 3/4 in. - 27 yard roll
*99	8380642	4	CLAMP .. Open end - 19 in. long
100	8432428	2	SCREEN ASSEMBLY .. Inlet header

ENGINE WATER COOLING SYSTEM

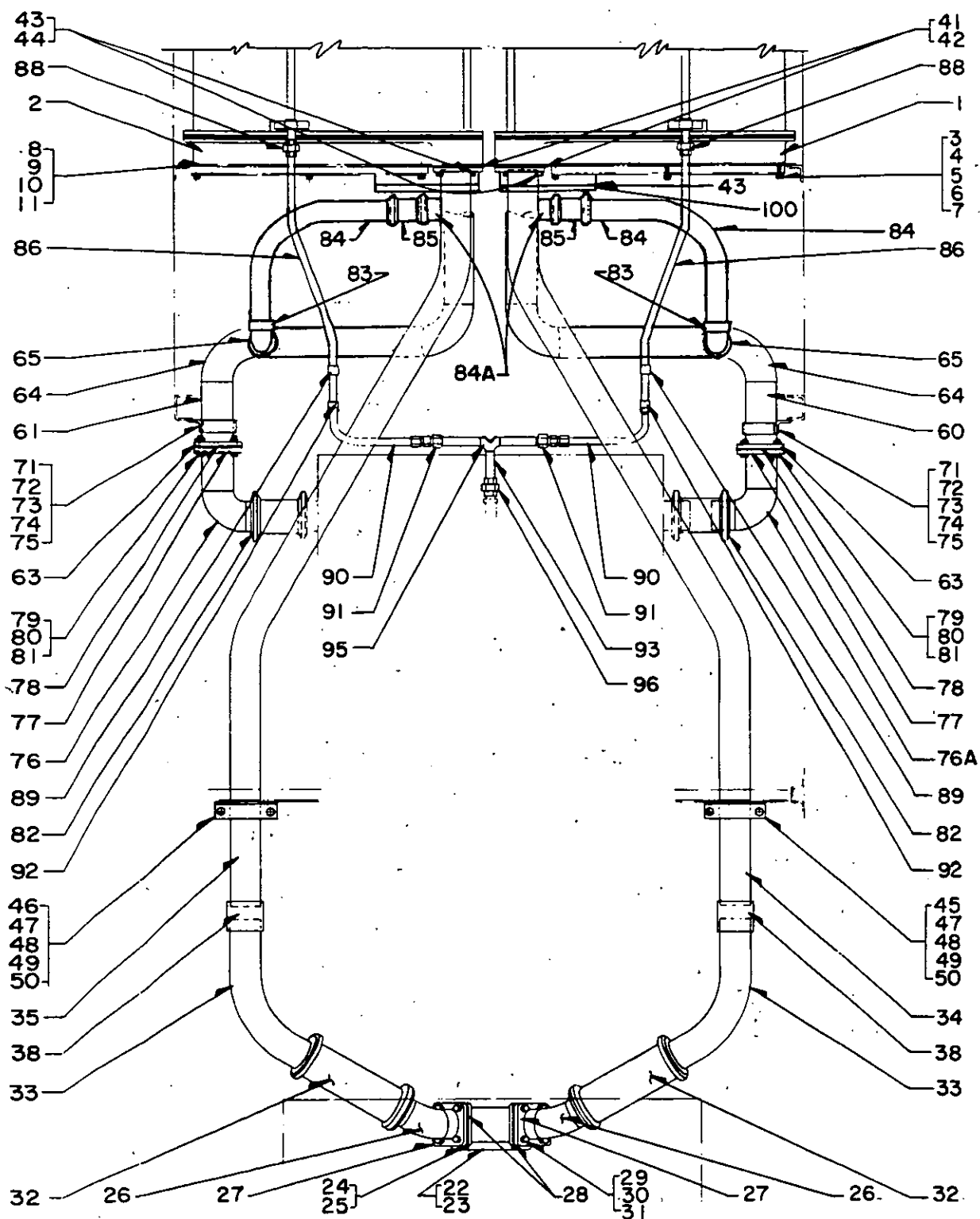
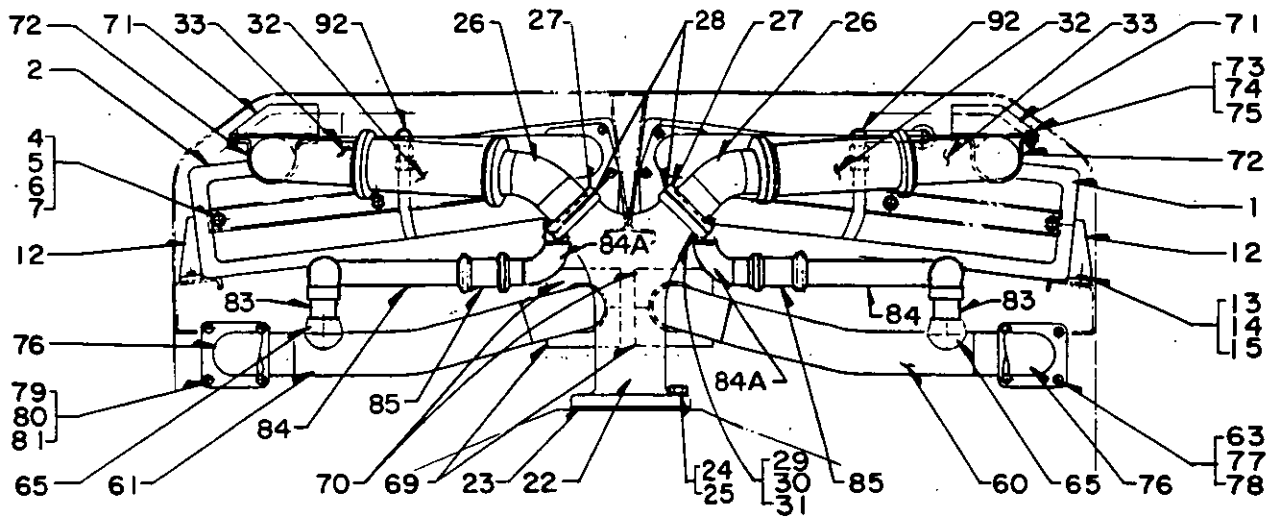


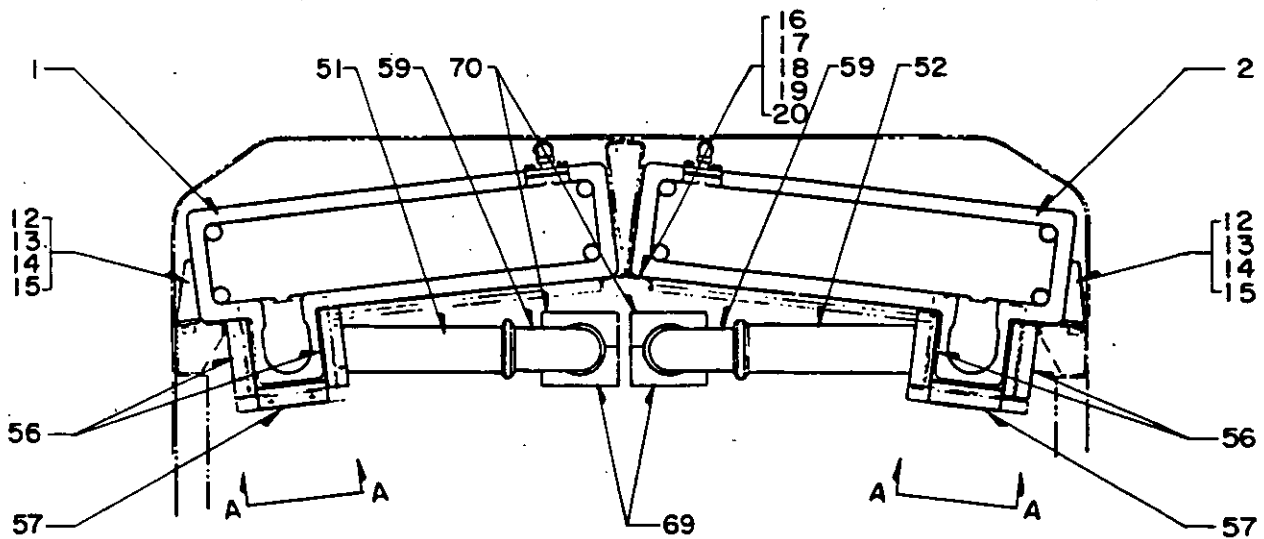
PLATE B543-E-7

P.L. No. C543-E

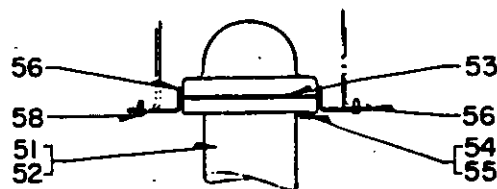
ENGINE WATER COOLING SYSTEM



FRONT - END VIEW



REAR - END VIEW



VIEW A-A

PLATE B543-E-8

ENGINE WATER COOLING SYSTEM

Fuel Oil Preheater and Piping
GT26CW-2 Locomotive
PLATE B543-E-9

Ref. No.	Part Number	No. Req.	Description
1	8211287	1	EXCHANGER ASSEMBLY .. Heat - Fuel oil - See P.L. 780
2	8476366	1	SUPPORT .. Heat exchanger - Front
3	8476369	1	SUPPORT .. Heat exchanger - Rear } Welds to underframe
4	179843	4	BOLT .. Heat exchanger to support - 3/8-16 x 1-1/2 hex. head
5	103321	4	WASHER .. Lock - 3/8
6	102635	4	NUT .. 3/8-16 hex.
7	8437247	1	OUTLET .. Pipe - 3 or 3-1/2 in. run - 1 I.P.S. socket weld
8	8476579	1	PIPE ASY. .. Pipe outlet to flexible coupling - Exchanger water inlet
9	8116937	A.R.	PIPE .. 1 in. standard wrought steel 20 ft.
10	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. (57-7/8 in. required)
11	8198818	1	ELBOW .. Pipe - 3/4 x 1 I.P.S. socket weld - 90°
*12	9085710	-	TAPE .. Glass lagging - .030 x 1-1/2 in. - 100 ft. roll (4 ft. req'd) - Repl. 8122246
*13	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*14	8380461	4	CLAMP .. Open end - 13 in. long
15	8470605	1	COUPLING ASSEMBLY .. Flexible - 3/4 I.P.S. x 4-1/2 in. long - See P.L. 1801
16	8476534	1	PIPE ASY. .. Flexible coupling to tee - Exchanger water inlet
17	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. (54-17/32 in. required)
18	8149155	1	NIPPLE .. Pipe - 3/4 M.P.T. x 7 in. long
19	8044169	1	ELBOW .. Union - 3/4 F.P.T. - 90°
*20	9085710	-	TAPE .. Glass lagging - .030 x 1-1/2 in. - 100 ft. roll (8 ft. req'd) - Repl. 8122246
*21	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*22	8380461	4	CLAMP .. Open end - 13 in. long
23	8476439	1	PIPE ASSEMBLY .. Exchanger water inlet
24	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
25	8060973	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
26	189069	1	BUSHING .. Pipe reducing - 1-1/4 M.P.T. x 3/4 F.P.T.
27	189775	1	TEE .. Pipe - 3/4 F.P.T. x 1/2 F.P.T. x 3/4 F.P.T.
28	8024212	1	VALVE .. Swing check - 1/2 F.P.T.
29	8040339	2	ELBOW .. 3/8 tube x 1/2 M.P.T.
30	8116856	-	TUBING .. 3/8 O.D. x .042 wall copper 25 ft. (10-11/32 in. required)
31	121758	2	NUT .. 3/8 tube
32	8476438	1	PIPE ASSEMBLY .. Exchanger water outlet
33	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
34	189069	1	BUSHING .. Pipe reducing - 1-1/4 M.P.T. x 3/4 F.P.T.
35	119099	1	ELBOW .. Pipe - 3/4 F.P.T. - 90°
36	8476535	1	PIPE ASSEMBLY .. Elbow to flexible coupling - Exchanger water outlet
37	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. (44-3/16 in. required)
38	8044161	1	UNION .. Pipe - 3/4 F.P.T. x 3/4 M.P.T.
*39	9085710	-	TAPE .. Glass lagging - .030 x 1-1/2 in. - 100 ft. roll (3 ft. req'd) - Repl. 8122246
*40	8077101	A.R.	TAPE .. Friction - .015 x 3/4 in. - 27 yard roll
*41	8380461	4	CLAMP .. Open end - 13 in. long
42	8470605	1	COUPLING ASSEMBLY .. Flexible - 3/4 I.P.S. x 4-1/2 in. long - See P.L. 1801
43	8476491	1	PIPE .. Offset - Flexible coupling to pipe outlet
44	8341405	1	OUTLET .. Pipe - 1-1/4 or 1-1/2 in. run - 3/4 I.P.S. socket weld
45	9091415	1	VALVE .. Mixing - Thermostatic - Fuel oil - 3/4 F.P.T. - See P.L. 780 - Form. 8243044
46	8476175	1	TUBE ASSEMBLY .. Mixing valve to fuel oil strainer
47	8133013	-	TUBING .. 1.050 O.D. x .072 wall copper 20 ft. (27-7/32 in. required)
48	8061460	1	NIPPLE .. Pipe - 3/4 M.P.T. x 1-3/8 in. long - Threaded one end - Brass
49	8045930	1	ELBOW .. Union - 3/4 I.P.S. solder - Bronze
50	8045918	1	UNION .. Pipe - 3/4 I.P.S. solder x 3/4 M.P.T. - Bronze
51	8476226	1	TUBE ASSEMBLY .. Fuel suction to mixing valve and exchanger
52	8133013	-	TUBING .. 1.050 O.D. x .072 wall copper 20 ft. (47-7/32 in. required)
53	8088890	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long - Threaded one end - Brass
54	8062394	1	ELBOW .. Pipe - 3/4 I.P.S. solder - 90° - Bronze
55	8062288	1	TEE .. Pipe - 3/4 I.P.S. solder - Bronze

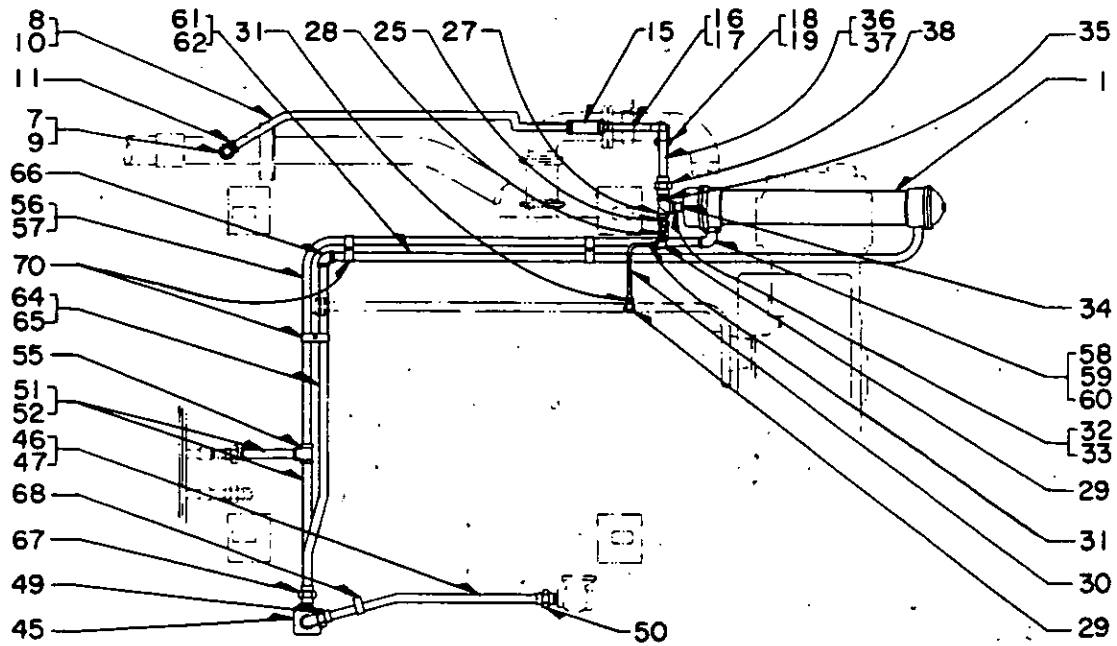
P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

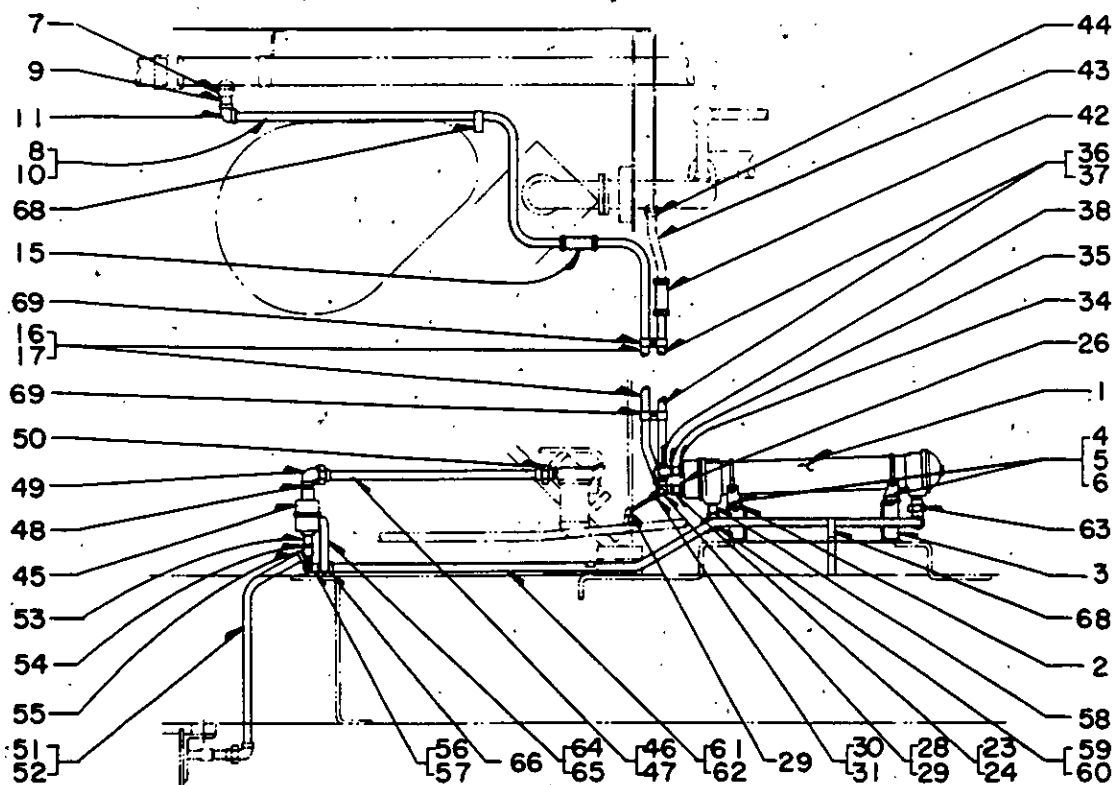
Ref. No.	Part Number	No. Req.	Description
56	8476301	1	TUBE ASSEMBLY .. Exchanger fuel inlet - Tee to exchanger
57	8133013	-	TUBING .. 1.050 O.D. x .972 wall copper 20 ft. (75 in. required)
58	8088890	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long - Threaded one end - Brass
59	8062403	1	ELBOW .. Pipe - 3/4 I.P.S. solder x 3/4 F.P.T. - 90° - Bronze
60	8085633	1	ELBOW .. Union - 3/4 I.P.S. solder x 3/4 M.P.T. - 90° - Bronze
61	8476276	1	TUBE ASSEMBLY .. Exchanger fuel outlet - Exchanger to elbow
62	8133013	-	TUBING .. 1.050 O.D. x .072 wall copper 20 ft. (78-7/32 in. required)
63	8085633	1	ELBOW .. Union - 3/4 I.P.S. solder x 3/4 M.P.T. - 90° - Bronze
64	8476392	1	TUBE ASSEMBLY .. Exchanger fuel outlet line to mixing valve
65	8133013	-	TUBING .. 1.050 O.D. x .072 wall copper 20 ft. (52-1/8 in. required)
66	8062394	1	ELBOW .. Pipe - 3/4 I.P.S. solder - 90° - Bronze
67	8045918	1	UNION .. Pipe - 3/4 I.P.S. solder x 3/4 M.P.T. - Bronze
68	8108214	6	CLAMP ASSEMBLY .. Hanger - 6 in. long
69	8254278	2	CLAMP ASSEMBLY .. Two way - 2 in. pipe centers
70	8476455	3	CLAMP ASSEMBLY .. Two way - 2 in. tubing centers
*71	8105872	A.R.	TAPE .. Pipe insulating - 1/16 x 3 in. - 50 ft. roll
*72	8380642	2	CLAMP .. Open end - 19 in. long

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM



TOP VIEW



LEFT SIDE VIEW

PLATE B543-E-9

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

Fuel Tank Heater and Deck Mounted Water Piping

GT26CW-2 Locomotives

PLATES B543-E-10, A543-E-11, 12 and 13

Ref. No.	Part Number	No. Req.	Description
1	8437247	1	OUTLET .. Pipe - 3 or 3-1/2 in. run - 1 I.P.S. socket weld
2	8476532	1	PIPE ASSEMBLY .. Fuel tank heater water inlet - Outlet to flexible coupling
3	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (39-3/4 in. required)
* 4	9085710	-	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll (60 in. required) - Repl. 8122246
* 5	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 26 yard roll
* 6	8380461	4	CLAMP .. Open end - 13 in. long
7	8476174	1	COUPLING ASSEMBLY .. Flexible - 1 I.P.S. x 6 in. long -
8	8476531	1	PIPE ASSEMBLY .. Fuel tank heater water inlet - Flexible coupling to union elbow
9	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (83-5/32 in. required)
*10	9085710	-	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll (144 in. required) - Repl. 8122246
*11	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*12	8380461	3	CLAMP .. Open end - 13 in. long
13	8476533	1	PIPE ASSEMBLY .. Fuel tank heater water inlet
14	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (64-13/16 in. required)
15	8153130	1	NIPPLE .. Pipe - 1 M.P.T. x 2-1/2 in. long - Threaded one end
16	8226979	1	OUTLET .. Pipe - 1 in. run - 1/2 F.P.T.
17	8130823	1	ELBOW .. Pipe - 1 I.P.S. socket weld - 90°
18	8045220	1	ELBOW .. Union - 1 F.P.T. - 90°
19	8358203	1	VALVE .. Ball cock - 1 F.P.T. - Tank heater shut off - See P.L. 1850
20	8173562	1	INSERT .. Swivel flange - 1 I.P.S. socket weld
21	8173563	1	FLANGE .. Swivel
22	8476622	1	PIPE ASSEMBLY .. Fuel tank heater water outlet
23	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (116-1/4 in. required)
24	8060973	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
25	8153130	1	NIPPLE .. Pipe - 1 M.P.T. x 2-1/2 in. long - Threaded one end
26	8226979	1	OUTLET .. Pipe - 1 in. run - 1/2 F.P.T.
27	108686	1	ELBOW .. Pipe - 1/2 F.P.T. x 1/2 M.P.T. - 90°
28	8130823	1	ELBOW .. Pipe - 1 I.P.S. socket weld - 90°
29	8134120	1	TEE .. Pipe - 1/2 F.P.T. x 1 I.P.S. socket weld - 1 I.P.S. socket weld
30	8379840	1	VALVE .. Ball cock - 1/2 F.P.T. - Tank heater vent - See P.L. 1850
31	8358203	1	VALVE .. Ball cock - 1 F.P.T. - Tank heater shut off - See P.L. 1850
32	8173562	1	INSERT .. Swivel flange - 1 I.P.S. socket weld
33	8173563	1	FLANGE .. Swivel flange
34	8476602	1	PIPE ASSEMBLY .. Fuel tank heater water outlet - Elbow to flexible coupling
35	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (44-1/2 in. required)
*36	9085710	-	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll (120 in. required) - Repl. 8122246
*37	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*38	8380461	3	CLAMP .. Open end - 13 in. long
39	8476174	1	COUPLING ASSEMBLY .. Flexible - 1 I.P.S. x 6 in. long - See P.L. 1801
40	8476578	1	PIPE .. Fuel tank heater water outlet - Flexible coupling to outlet
41	9085710	-	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll (36 in. required) - Repl. 8122246
42	8380461	2	CLAMP .. Open end - 13 in. long
43	8437247	1	OUTLET .. Pipe - 3 or 3-1/2 in. run - 1 I.P.S. solder
44	8306502	2	GASKET .. Swivel flange to tank
45	179883	4	BOLT .. Swivel flange to tank - 1/2-13 x 1-1/4 hex. head
46	103323	4	WASHER .. Lock - 1/2
47	8476605	1	TAG .. Name - Tank heater vent
48	8476604	2	TAG .. Name - Tank heater shut off
49	8116933	A.R.	WIRE .. Lock - .057 dia. - 200 ft.
50	8476623	2	FLASHING
51	171716	10	SCREW .. Tapping - Flashing mounting - 10-24 x 3/8 pan head
52	8108217	6	CLAMP ASSEMBLY .. Hanger - 8 in. long
53	8108219	5	CLAMP ASSEMBLY .. Hanger - 6-1/2 in. long
54	8475822	1	PIPE ASSEMBLY .. Flanged - Cab heater water supply
55	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (12-13/16 in. required)
56	8228808	1	FLANGE .. Pipe
57	8228808	1	FLANGE .. Pipe
58	8330335	1	GASKET .. Flange to flange
59	179845	4	BOLT .. Flange to flange - 3/8-16 x 1-3/4 hex. head

27320 8476562B

ENGINE WATER COOLING SYSTEM

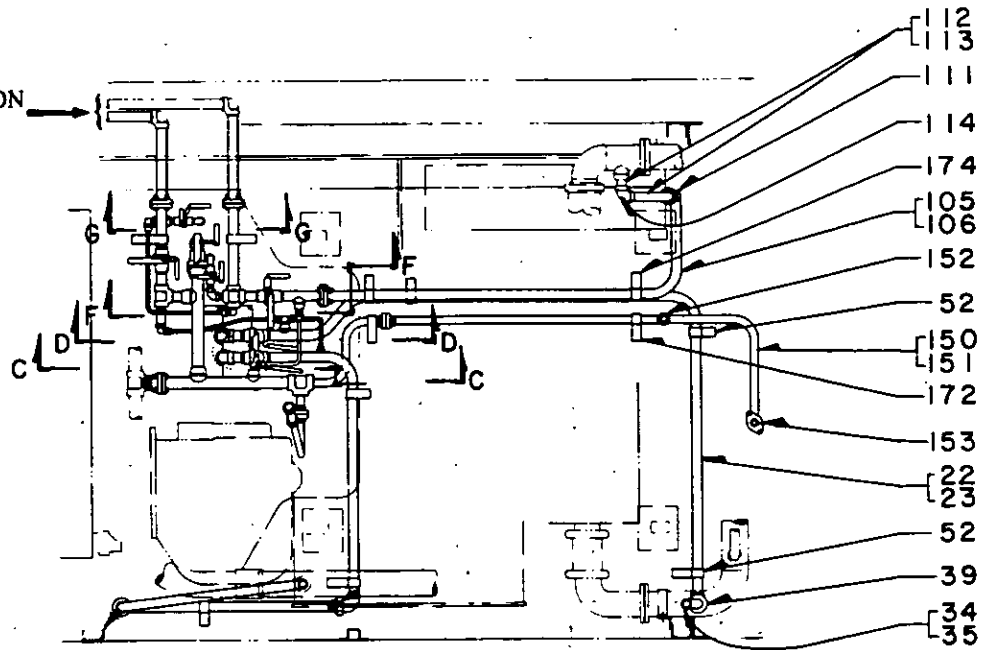
Ref. No.	Part Number	No. Req.	Description
60	103321	4	WASHER .. Lock - 3/8
61	102635	4	NUT .. 3/8-16 hex.
62	8476609	1	PIPE ASSEMBLY .. cab heater water supply - Flange to outlet
63	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (11-1/8 in. required)
64	8153134	1	NIPPLE .. Pipe - 1 M.P.T. x 3 in. long - Threaded one end
65	8080581	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long - Threaded one end
66	8060973	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
67	8152842	1	NIPPLE .. Pipe - 1/2 M.P.T. x 5 in. long - Threaded one end
68	8341403	1	OUTLET .. Pipe - 1 in. run - 1/2 I.P.S. socket weld
69	108686	1	ELBOW .. Pipe - 1/2 F.P.T. x 1/2 M.P.T. - 90°
70	8040339	1	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
71	8322414	1	TEE .. Pipe - 1/2 F.P.T. x 1/2 I.P.S. socket weld x 1/2 I.P.S. socket weld
72	8134120	1	TEE .. Pipe - 1/2 F.P.T. x 1 I.P.S. socket weld x 1 I.P.S. socket weld
73	8379840	1	VALVE .. Ball cock - 1/2 F.P.T. - Cab heater drain - See P.L. 1850
74	8358203	1	VALVE .. Ball cock - 1 F.P.T. - Cab heater supply - See P.L. 1850
75	8024212	1	VALVE .. Swing check - 1/2 F.P.T.
76	8364464	1	TAG .. Name - Cab heater supply
77	8323088	1	TAG .. Name - Cab heater drain
78	8116933	A.R.	WIRE .. Lock - .057 dia. - 200 ft.
79	8475823	1	PIPE ASSEMBLY .. Flanged - Cab heater water return
80	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (12-13/16 in. required)
81	8228808	1	FLANGE .. Pipe
82	8228808	1	FLANGE .. Pipe
83	8330335	1	GASKET .. Flange to flange
84	179845	4	BOLT .. Flange to flange - 3/8-16 x 1-1/4 hex. head
85	103321	4	WASHER .. Lock - 3/8
86	102635	4	NUT .. 3/8-16 hex.
87	8476020	1	PIPE ASSEMBLY .. Cab heater water return - Flange to flange
88	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (26-3/16 in. required)
89	8060973	2	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
90	8153134	1	NIPPLE .. 1 M.P.T. x 3 in. long - Threaded one end
91	8226979	1	OUTLET .. Pipe - 1 in. run - 1/2 F.P.T.
92	119098	1	ELBOW .. Pipe - 1/2 F.P.T. - 90°
93	108686	1	ELBOW .. Pipe - 1/2 F.P.T. x 1/2 M.P.T. - 90°
94	8134120	2	TEE .. Pipe - 1/2 F.P.T. x 1/2 I.P.S. socket weld x 1/2 I.P.S. socket weld
95	8379840	1	VALVE .. Ball cock - 1/2 F.P.T. - Cab heater drain - See P.L. 1850
96	8358203	1	VALVE .. Ball cock - 1 F.P.T. - Cab heater return - See P.L. 1850
97	8366115	1	TAG .. Name - Cab heater return
98	8323088	1	TAG .. Name - Cab heater drain
99	8116933	A.R.	WIRE .. Lock - .057 dia. - 200 ft.
100	8228808	1	FLANGE .. Pipe
101	8330355	1	GASKET .. Flange to flange
102	179845	4	BOLT .. Flange to flange - 1/2-13 x 1-1/4 hex. head
103	103321	4	WASHER .. Lock - 3/8
104	102635	4	NUT .. 3/8-16 hex.
105	8476627	1	PIPE ASSEMBLY .. Cab heater water return - Flange to flexible coupling
106	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (108-9/32 in. required)
107	8228808	1	FLANGE .. Pipe
*108	9085710	-	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll (96 in. required) - Repl. 8122246
*109	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*110	8380461	2	CLAMP .. Open end - 13 in. long
111	8470340	1	COUPLING ASSEMBLY .. Flexible - 1 I.P.S. x 2-7/8 in. long
112	8476082	1	PIPE ASSEMBLY .. Cab heater water return - Flexible coupling to outlet
113	8116937	-	PIPE .. 1 in. standard wrought steel 20 ft. (13-1/4 in. required)
114	8130823	2	ELBOW .. Pipe - 1 I.P.S. socket weld - 90°
115	8437247	1	OUTLET .. Pipe - 3 or 3-1/2 in. run - 1 I.P.S. socket weld
116	8433042	1	PIPE ASSEMBLY .. Flanged - Engine water drain
117	8433050	1	NIPPLE .. Pipe - 1-1/4 M.P.T. x 2 in. long - Threaded one end
118	8189314	1	FLANGE .. Pipe
119	8330334	1	FLANGE .. Pipe
120	8330335	1	GASKET .. Flange to flange
121	179845	4	BOLT .. Flange to flange - 3/8-16 x 1-1/4 hex. head
122	103321	4	WASHER .. Lock - 3/8

P.L. No. C543-E

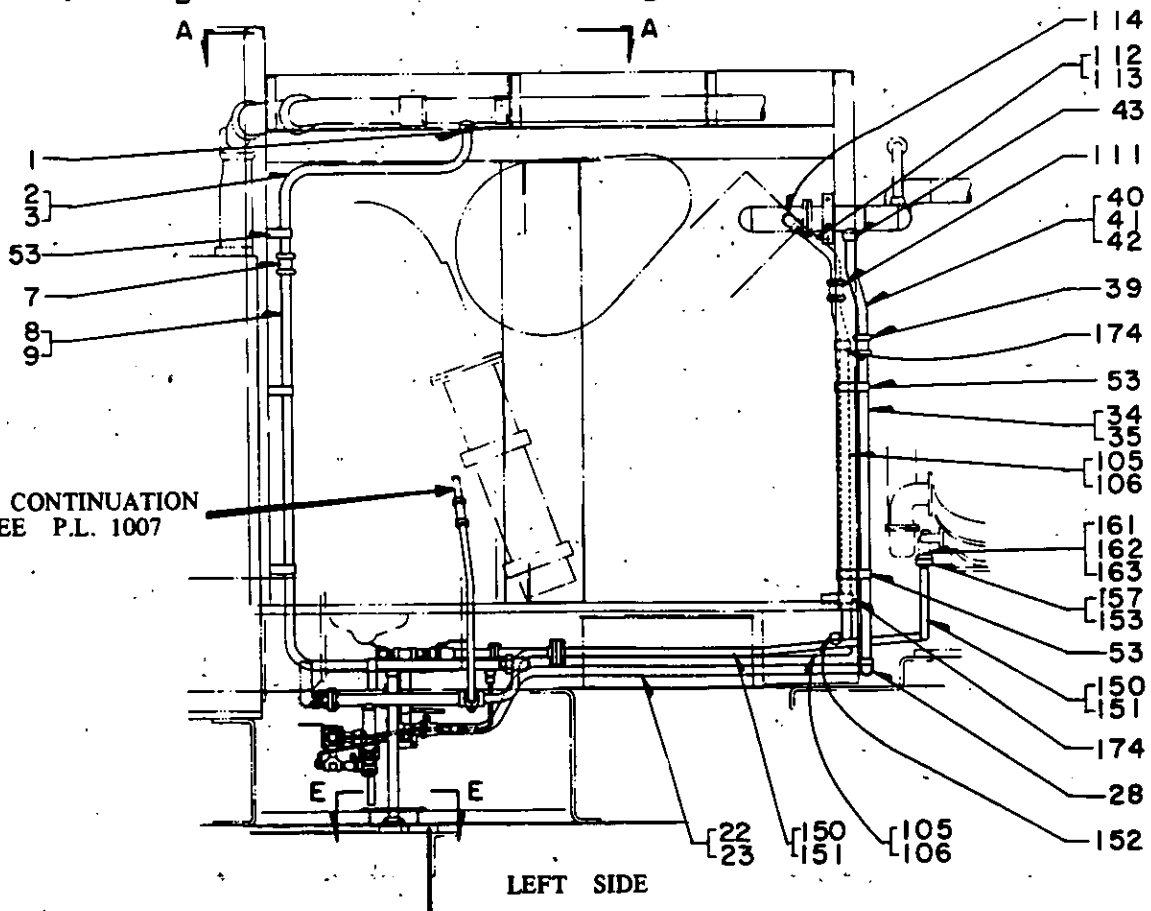
ENGINE WATER COOLING SYSTEM

Ref. No.	Part Number	No. Req.	Description
123	102635	4	NUT .. 3/8-16 hex.
124	8475950	1	PIPE ASSEMBLY .. Engine water drain
125	8116938	-	PIPE .. 1-1/4 in. standard wrought steel 20 ft. (32-13/16 in. required)
126	8475763	1	NIPPLE .. 3/4 I.P.S. pipe x 2-9/16 in. long - Unthreaded
127	8217708	1	OUTLET .. Pipe - 1-1/4 or 1-1/2 in. run - 1/2 I.P.S. socket weld
128	8378795	1	OUTLET .. Pipe - 1-1/4 in. run - 1 I.P.S. socket weld
129	8341404	1	OUTLET .. Pipe - 1-1/4 in. run - 1-1/4 I.P.S. socket weld
130	111001	1	ELBOW .. Pipe - 1-1/4 F.P.T. x 1-1/4 M.P.T. - 90°
131	8475599	1	TEE .. Pipe - 3/4 I.P.S. x 1-1/4 I.P.S. x 3/4 I.P.S. socket weld
132	8354227	1	VALVE .. Ball cock - 1-1/4 F.P.T. - Engine drain - See P.L. 1850
133	8267231	1	INSERT .. Swivel flange - 3/4 I.P.S. socket weld
134	8173558	1	FLANGE .. Swivel
135	8366116	1	TAG .. Name - Engine drain ..
136	8116933	A.R.	WIRE .. Lock - .057 dia. - 200 ft.
137	8476419	1	PIPE ASSEMBLY .. Temperature manifold water inlet - Flange to flexible coupling
138	8116751	-	PIPE .. 1/2 in. standard wrought steel 20 ft. (34-7/8 in. required)
139	8173555	1	INSERT .. Swivel flange - 1/2 I.P.S. socket weld
140	8173558	1	FLANGE .. Swivel
141	8034030	1	GASKET .. Flange to flange
142	179889	2	BOLT .. Flange to flange - 1/2-13 x 2 hex. head
143	103323	2	WASHER .. Lock - 1/2
144	102637	2	NUT .. 1/2-13 hex.
145	8476711	1	COUPLING ASSEMBLY .. Flexible - 1/2 I.P.S. x 4-1/2 in. long - See P.L. 1801
146	8475557	1	PIPE ASSEMBLY .. Air compressor water inlet - Elbow to flange
147	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. (17-21/32 in. required)
148	8173557	1	INSERT .. Swivel flange - 3/4 I.P.S. solder
149	8173558	1	FLANGE .. Swivel
150	8475581	1	PIPE ASSEMBLY .. Air compressor water inlet - Flange to compressor
151	8116936	-	PIPE .. 3/4 in. standard wrought steel 20 ft. (72 in. required)
152	8265359	1	OUTLET .. Pipe - 3/4 in. run - 1/2 F.P.T.
153	6921943	1	FLANGE .. Pipe
154	8267231	1	INSERT .. Swivel flange - 3/4 I.P.S. socket weld
155	8173558	1	FLANGE .. Swivel
156	8057487	1	GASKET .. Flange to flange
157	8083349	1	GASKET .. Flange to compressor
158	179889	2	BOLT .. Flange to flange - 1/2-13 x 2 hex. head
159	103323	2	WASHER .. Lock - 1/2
160	102637	2	NUT .. 1/2-13 hex.
161	179847	2	BOLT .. Flange to compressor - 3/8-16 x 2 hex. head
162	103321	2	WASHER .. Lock - 3/8
163	102635	2	NUT .. 3/8-16 hex.
164	8098594	-	TUBING .. 3/8 O.D. x .028 wall copper brazed steel 20 ft. (65-13/16 in. required)
165	121758	8	NUT .. 3/8 tube
166	8037261	1	CONNECTOR .. 3/8 tube x 1/2 M.P.T.
167	8040339	4	ELBOW .. 3/8 tube x 1/2 M.P.T. - 90°
168	8040397	1	TEE .. 3/8 tube x 3/8 tube x 3/8 M.P.T.
*169	9085710	A.R.	TAPE .. Glass lagging - .030 in. x 1-1/2 in. - 100 ft. roll - Repl. 8122246
*170	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*171	8380461	1	CLAMP .. Open end - 13 in. long
172	8108214	2	CLAMP ASSEMBLY .. Hanger - 3/4 in. pipe - 8 in. long
*173	8108215	1	CLAMP ASSEMBLY .. Hanger - 1/2 in. pipe - 4 in. long
174	8108217	4	CLAMP ASSEMBLY .. Hanger - 1 in. pipe - 8 in. long
175	8108232	2	CLAMP ASSEMBLY .. Hanger - 1 in. pipe - 17-3/4 in. long

ENGINE WATER COOLING SYSTEM

FOR CONTINUATION
SEE P.L. 4122

TOP VIEW

FOR CONTINUATION
SEE P.L. 1007

LEFT SIDE

PLATE B543-E-10

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

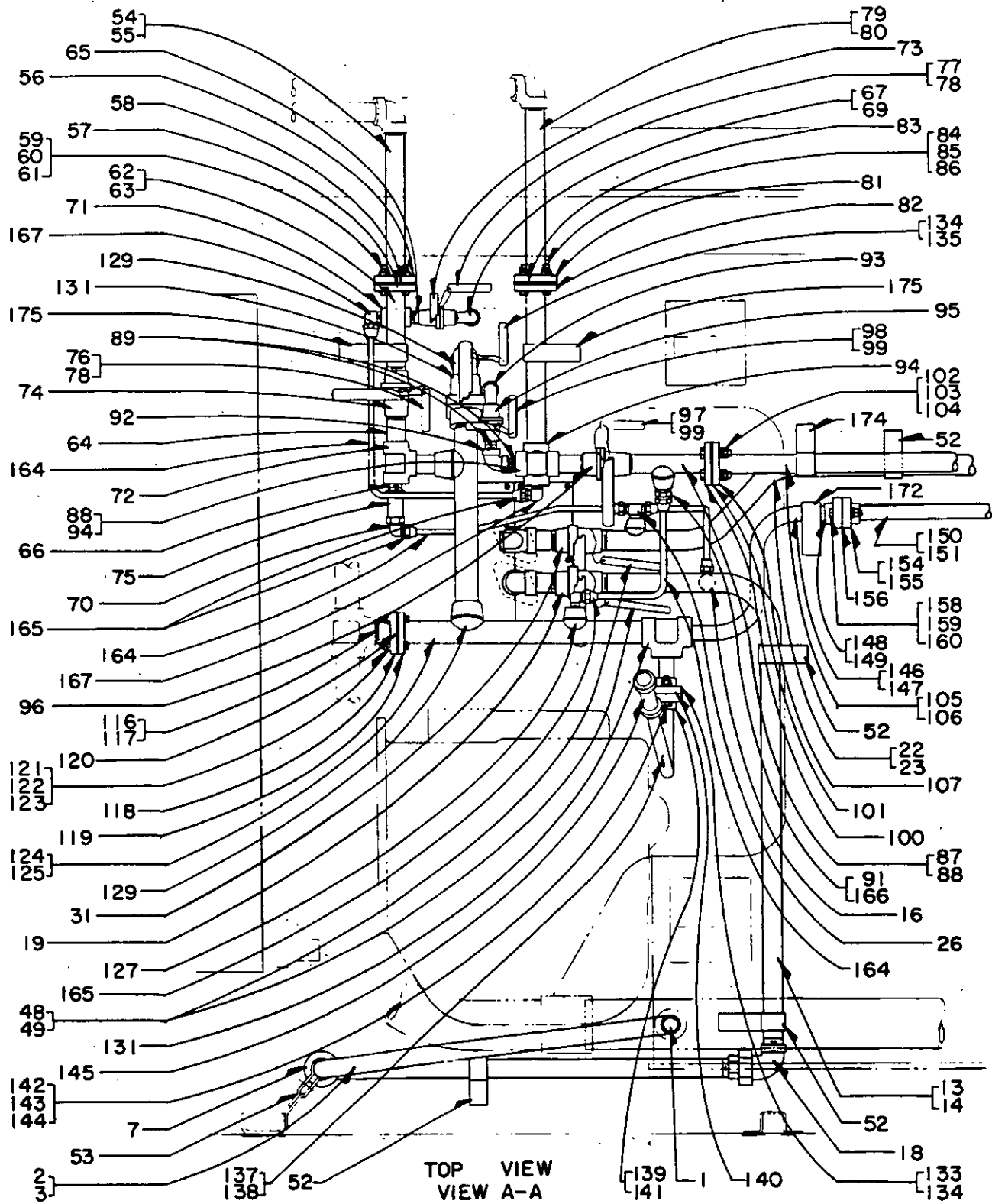


PLATE A543-E-11

ENGINE WATER COOLING SYSTEM

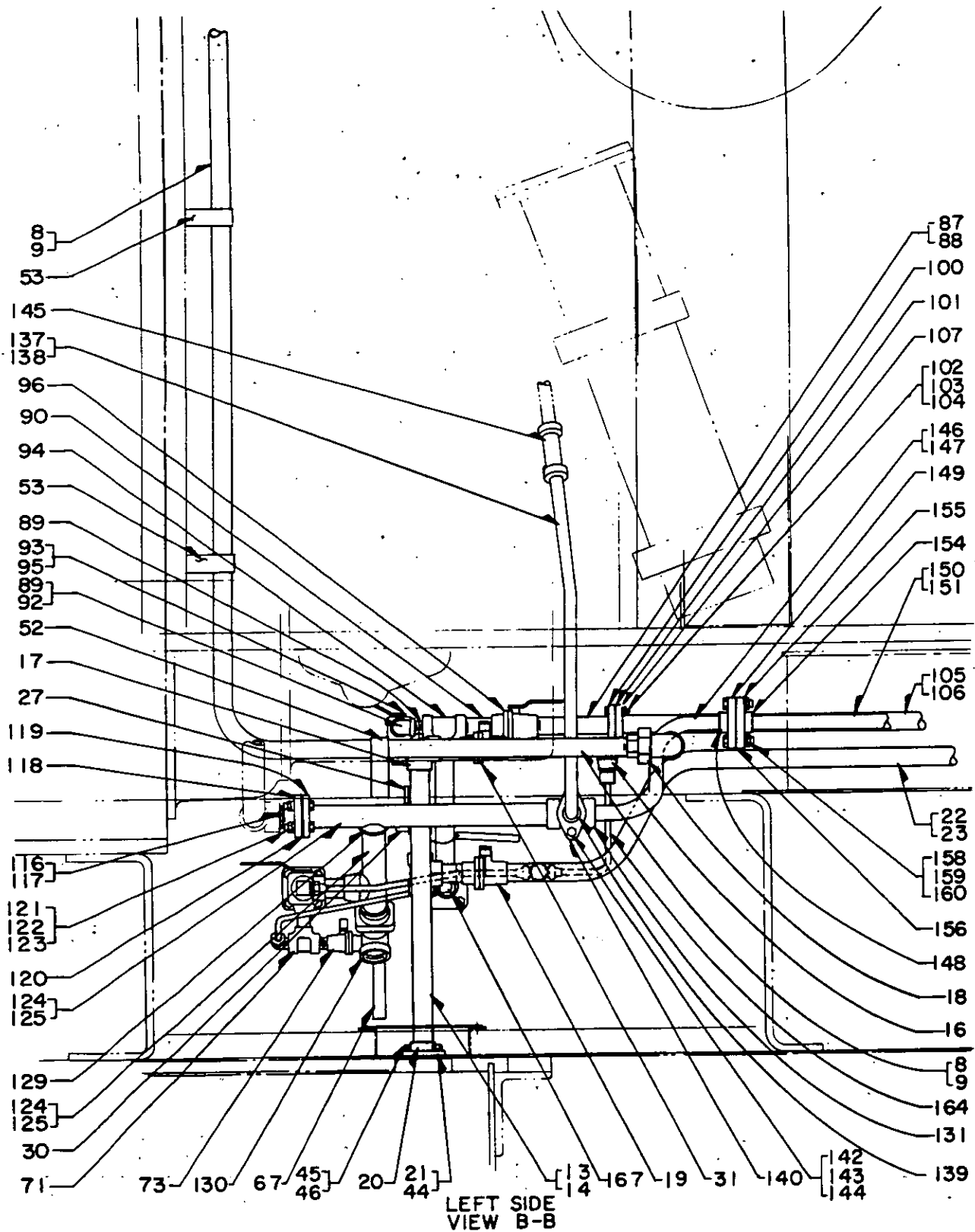


PLATE A543-E-12

P.L. No. C543-E

ENGINE WATER COOLING SYSTEM

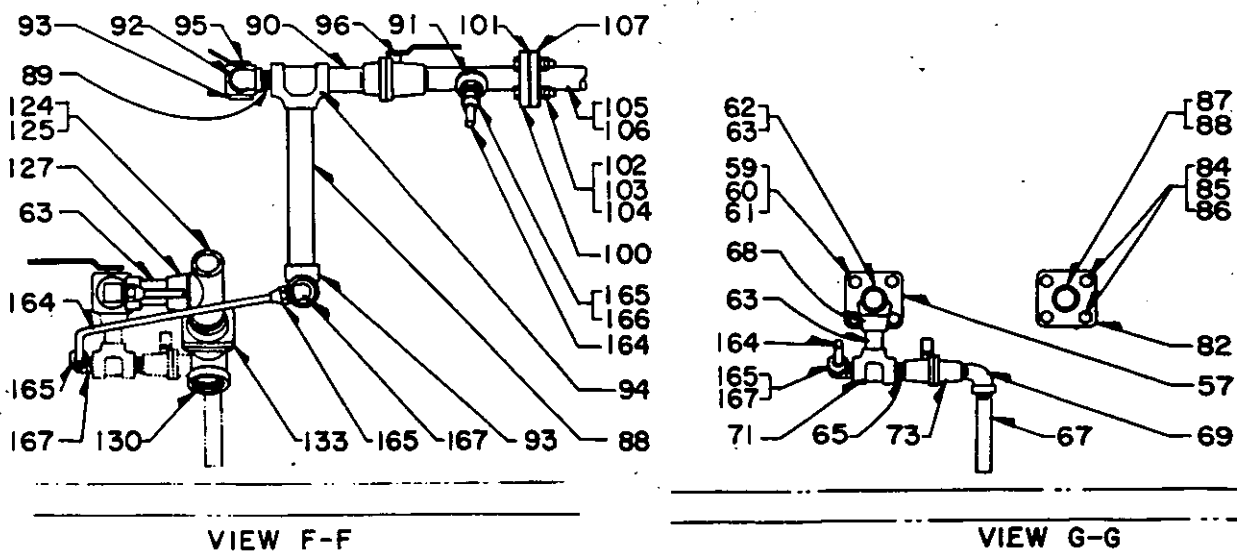
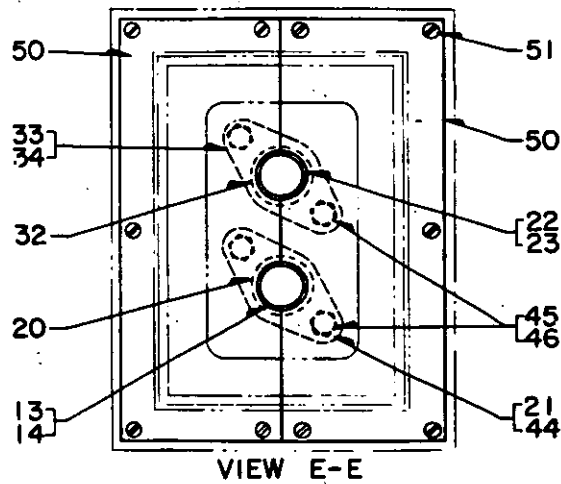
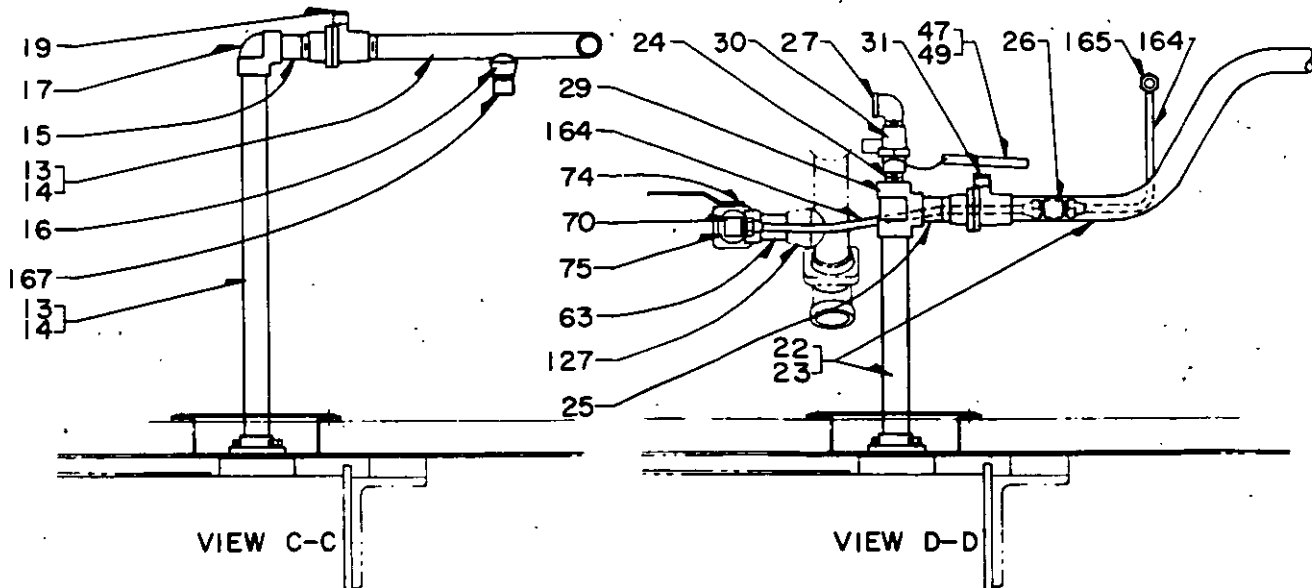
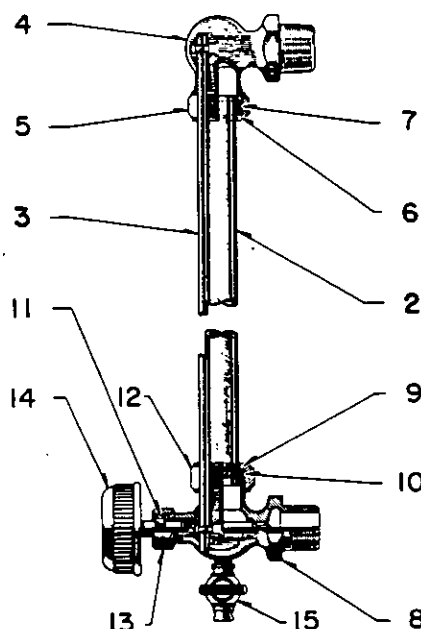


PLATE A543-E-13

Parts List No. A544-E

WATER TANK WATER LEVEL GAUGE

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
GT22HW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1
PLATE A520-E-1

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
1	9313402	1	-	-	-	-	GAUGE .. Water level - JT22CW
1	8398377	-	1	-	-	-	GAUGE .. Water level - G18U,G18W,GA18
1	8371276	-	-	1	-	-	GAUGE .. Water level - GL18M,G22U,G22W,G22CU,G22CW,GL22C, GT22HW,JT22CW-2,G26CU,G26CW
1	8336549	-	-	-	1	-	GAUGE .. Water level - GT26CW
1	8365600	-	-	-	-	1	GAUGE .. Water level - GT22CU,GT22CW,GT26CU-2,GT26CW-2
2	9313401	1	-	-	-	-	GLASS .. Water gauge - 3/4 O.D. x 9 in. long
2	8233497	-	1	-	-	-	GLASS .. Water gauge - 3/4 O.D. x 10-1/2 in. long
2	8386490	-	-	1	-	-	GLASS .. Water gauge - 3/4 O.D. x 15 in. long
2	8118873	-	-	-	1	-	GLASS .. Water gauge - 3/4 O.D. x 14-5/8 in. long
2	8157495	-	-	-	-	1	GLASS .. Water gauge - 3/4 O.D. x 17 in. long
3	9313400	2	-	-	-	-	ROD .. Water gauge guard - 11-1/8 in. long
3	8233498	-	2	-	-	-	ROD .. Water gauge guard - 12-5/8 in. long
3	8386491	-	-	2	-	-	ROD .. Water gauge guard - 17-1/4 in. long
3	8118874	-	-	-	2	-	ROD .. Water gauge guard - 16-3/4 in. long
3	8157496	-	-	-	-	2	ROD .. Water gauge guard - 19-1/4 in. long
4	8391372			1			BODY .. Elbow - Upper water gauge - 3/4 M.P.T.
5	8202271			1			NUT .. Gauge glass
6	8120768			1			WASHER .. Fiber
7	8120766			1			WASHER .. Rubber
8	8118871			1			BODY .. Valve - Lower water gauge
9	8120768			1			WASHER .. Fiber
10	8120766			1			WASHER .. Rubber
11	8120767			1			PACKING .. Valve stem
12	8202271			1			NUT .. Gauge glass
13	8202270			1			NUT .. Valve stem
14	8253702			1			HANDLE .. Valve stem
15	114981			1			COCK .. Drain - 1/8 M.P.T. - Replaces 8153701

ENGINE WATER COOLING RADIATOR

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
 GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2
 And GT26CW-2 Locomotives

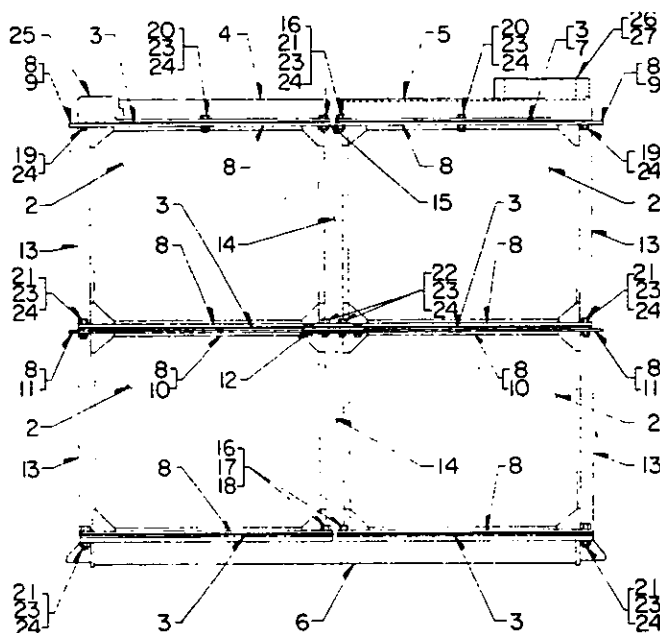
Radiator Assembly Reference Chart

Radiator Assembly Cooling Cores	Locomotive Model	Page Number
Single Length Six Rows	G18U, G18W, GA18	2
Double and Single Length - Six Rows	G22U, G22W, G22CU, G22CW, GL22C	3
	G22U, G22W, G22CU, G22CW, GL22C	4
Double Length - Six Rows	GL18M	5
	GT22CU, GT22CW	6
	JT22CW	7
	JT22CW-2	8
	G26CU, G26CW	9
	G26CU, G26CW	10
	GT26CW, GT26CU-2, GT26CW-2	11

† To repair mechanical bond core leaks, use tapered phenolic plug - 9500388. A maximum of 2% of the total number of tubes on one core can be plugged without affecting performance.

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Single Length 6 Row Cooling Cores
G18U,G18W and GA18 LocomotivesRef. No. 1
PLATE A549-E-1

Ref. No.	Part Number	No. Req.

Description

RADIATOR ASSEMBLY .. Water cooling

1	8263390	1	RADIATOR ASY. .. Single length - 6 row
2	8490482	4	CORE .. Radiator cooling - 27-31/32 in. long - Replaces 8206685
3	8177379	6	GASKET .. Radiator core and header
4	8189032	1	HEADER .. Radiator outlet
5	9093977	1	HEADER .. Radiator inlet - Formerly 8189032
6	8263382	1	HEADER .. Radiator lower
7	8194269	1	SCREEN ASY. .. Inlet header - Formerly applied
8	8177378	16	PLATE .. Core clamp - Top, center and bottom - 32-7/16 in. long - Formerly 10 required
9	8263389	2	PLATE .. Core clamp - Top - 33-5/8 in. long
10	8266558	2	PLATE .. Core clamp - Center - 33-5/8 in. long
11	8266559	2	PLATE .. Core clamp - Center - 35-1/8 in. long
12	8266556	1	PLATE .. Clamp - Core connecting - Center - 7-1/16 in. long
13	8206994	4	PLATE .. Closure - Radiator side - 3-9/16 x 26-11/16
14	8263391	2	PLATE .. Closure - Radiator center - 4-11/16 x 26-1/2
15	8294034	1	PLATE .. Closure - Radiator top - 3 x 5-3/4
16	8177400	8	CLIP .. Closure
17	179883	6	BOLT .. Core to lower header - Center - 1/2 - 13 x 1-1/4 hex. head
18	8029494	6	WASHER .. Flat - Copper - 17/32 I.D.
19	179885	18	BOLT .. Core to inlet and outlet header - 1/2 - 13 x 1-1/2 hex. head
20	179887	105	BOLT .. Core to core and header - 1/2 - 13 x 1-3/4 hex. head
21	179889	111	BOLT .. Core to core and header - 1/2 - 13 x 2 hex. head
22	179890	4	BOLT .. Core connecting plate - 1/2 - 13 x 2-1/4 hex. head
23	102637	220	NUT .. 1/2 - 13 hex.
24	103323	238	WASHER .. Lock - 1/2

} Formerly Applied

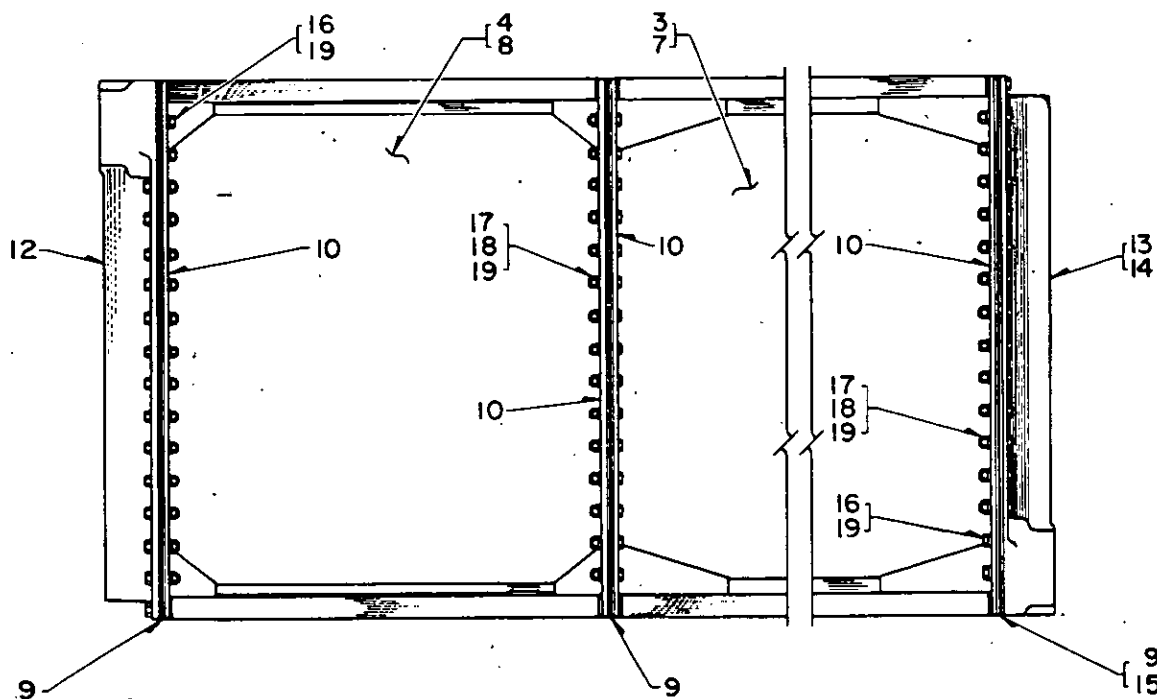
+25 8177371 1 GASKET .. Water outlet - Replaces 8234119
 +26 8432427 2 GASKET .. Water inlet
 +27 8432428 1 SCREEN ASY. .. Inlet header

For radiator piping See P.L. No. 513
 9320174

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Single And Double Length 6 Row Cooling Cores
G22U,G22W,G22CU,G22CW and GL22C Locomotives



Ref. Nos. 1 and 5
PLATE A549-E-2

Ref. No.	Part Number	No. Req.	Description

RADIATOR ASSEMBLY .. Water cooling - Harrison

φ 1	8433130	1	-	RADIATOR ASY. ... Left side - Formerly 8382863
φ* 2	8433131	-	1	RADIATOR ASY. ... Right side - Formerly 8382864
φ 3	3027016	1	1	CORE .. Radiator cooling - 55-3/8 in. long - Replaces 3010256
4	8490482	1	1	CORE .. Radiator cooling - 27-21/32 in. long - Replaces 8206685

RADIATOR ASSEMBLY .. Water cooling - Young

φ 5	8433120	1	-	RADIATOR ASY. .. Left side - Formerly 8369345
φ* 6	8433121	-	1	RADIATOR ASY. .. Right side - Formerly 8369346
φ 7	8462344	1	1	CORE .. Radiator cooling - 55-3/8 in. long - Replaces 8366731
8	8490482	1	1	CORE .. Radiator cooling - 27-21/32 in. long - Replaces 8206685

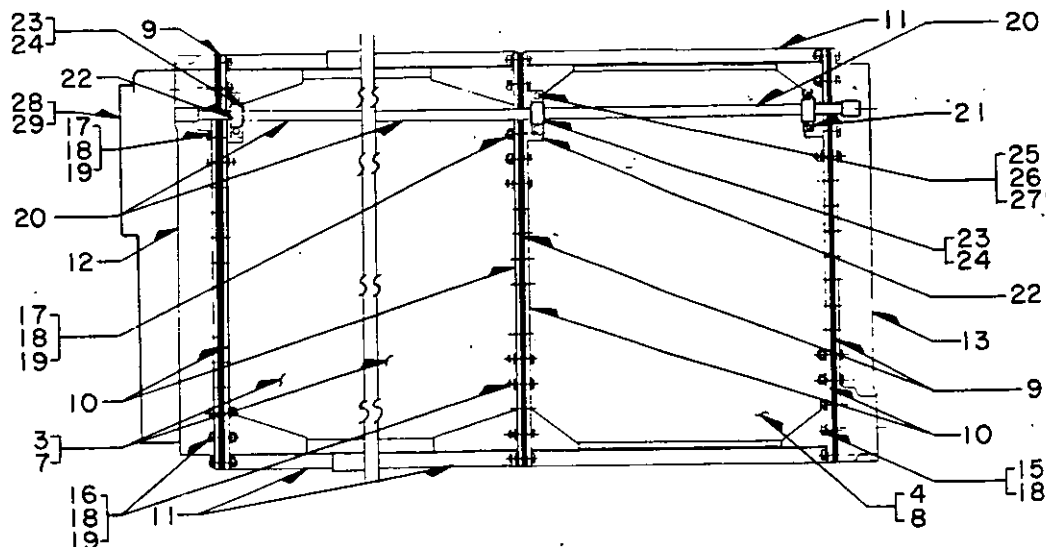
The following components, ref. nos. 9 thru 20 are applicable to radiator assemblies ref. nos. 1,2,5 and 6.

9	8177379	4	4	GASKET .. Radiator core and header
10	8177378	8	8	PLATE .. Clamp
*11	8206994	2	2	PLATE .. Closure
12	8189032	1	1	HEADER .. Radiator outlet
13	8206614	1	-	HEADER .. Radiator inlet
*14	8206615	-	1	HEADER .. Radiator inlet
15	8194269	1	1	SCREEN ASY. ... Inlet header
16	179885	18	18	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
17	179887	102	102	BOLT .. Core mounting - 1/2 - 13 x 1-3/4 hex. head
18	102637	102	102	NUT .. 1/2 - 13 hex.
19	103323	120	120	WASHER .. Lock - 1/2
+*20	8177371	2	2	GASKET .. Radiator inlet and outlet - Replaces 8234119

For radiator piping, see P.L. No. 513.
8382839

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Single And Double Length 6 Row Cooling Cores
G22U,G22W,G22CU,G22CW and GL22C LocomotivesRef. Nos. 1 and 5
PLATE A549-E-3

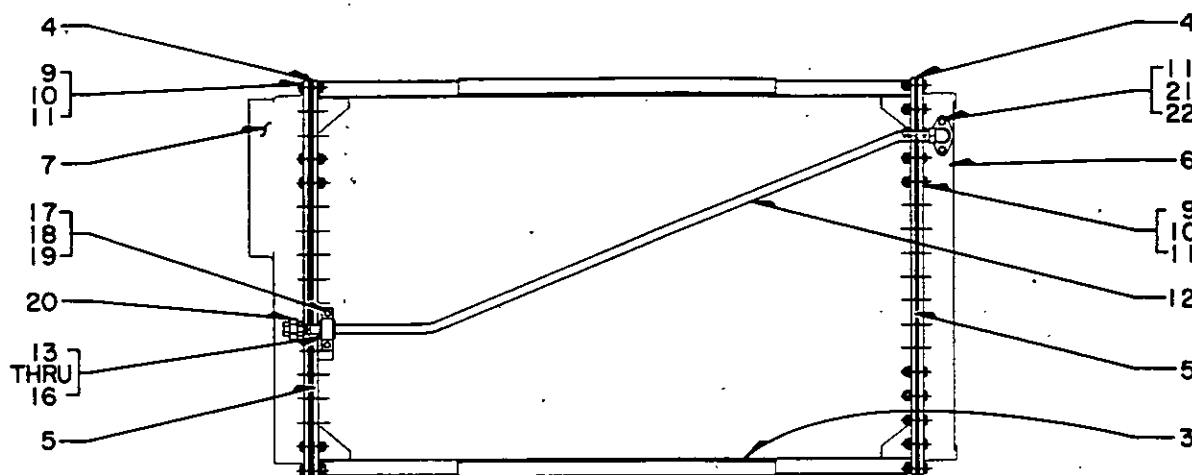
Ref. No.	Part Number	No. Req.	Description
RADIATOR ASSEMBLY .. Water cooling - Harrison			
φ 1	9323439	1	RADIATOR ASY. .. Left side - Formerly 8465743, 8433130, 8382863
φ* 2	9323437	- 1	RADIATOR ASY. .. Right side - Formerly 8465744, 8433131, 8382864
φ 3	3027016	1 1	CORE .. Radiator cooling - 55-3/8 in. long - Replaces 3010256
φ 4	8490482	1 1	CORE .. Radiator cooling - 27-21/32 in. long - Replaces 8206685
RADIATOR ASSEMBLY .. Water cooling - Young			
φ 5	9323438	1	RADIATOR ASY. .. Left side - Formerly 8465741, 8433120, 8369345
φ* 6	9323436	- 1	RADIATOR ASY. .. Right side - Formerly 8465742, 8433121, 8369346
φ 7	8462344	1 1	CORE .. Radiator cooling - 55-3/8 in. long - Replaces 8366731
φ 8	8490482	1 1	CORE .. Radiator cooling - 27-21/32 in. long - Replaces 8206685

The following components, ref. nos. 9 thru 29 are applicable to radiator assemblies ref. nos. 1, 2, 5 and 6.

9	8177379	3	3	GASKET .. Radiator core and header
10	8177378	8	8	PLATE .. Clamp
11	8206994	2	2	PLATE .. Closure
12	9093977	1	1	HEADER .. Radiator inlet - Formerly 8189032
13	8206614	1	-	HEADER .. Radiator outlet
*14	8206615	-	1	HEADER .. Radiator outlet
15	179885	9	9	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
16	179887	105	105	BOLT .. Plate and core mounting - 1/2 - 13 x 1-3/4 hex. head
17	179889	6	6	BOLT .. Bracket to core and header - 1/2 - 13 x 2 hex. head
18	103323	120	120	WASHER .. Lock - 1/2
19	102637	111	111	NUT .. 1/2 - 13 hex.
20	8465728	1	1	PIPE ASY. .. Radiator vent
21	8446064	1	1	BRACKET .. Vent pipe outlet end
22	8446063	2	2	BRACKET .. Radiator vent pipe
23	8446099	3	3	HOSE .. Split - Radiator vent pipe vibration absorbing
24	8081712	3	3	CLAMP .. Radiator vent pipe
25	179837	6	6	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
26	103321	6	6	WASHER .. Lock - 3/8
27	102635	6	6	NUT .. 3/8 - 16 hex.
+ 28	8432427	2	2	GASKET .. Radiator inlet - Formerly 8177371
+ 29	8432428	1	1	SCREEN ASY. ... Inlet header

For radiator piping see P.L. No. 513
8382839W

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
GL18M LocomotiveRef. No. 1
PLATE A549-E4

Ref. No.	Part Number	No. Req.	Description

RADIATOR ASSEMBLY .. Water cooling - Young

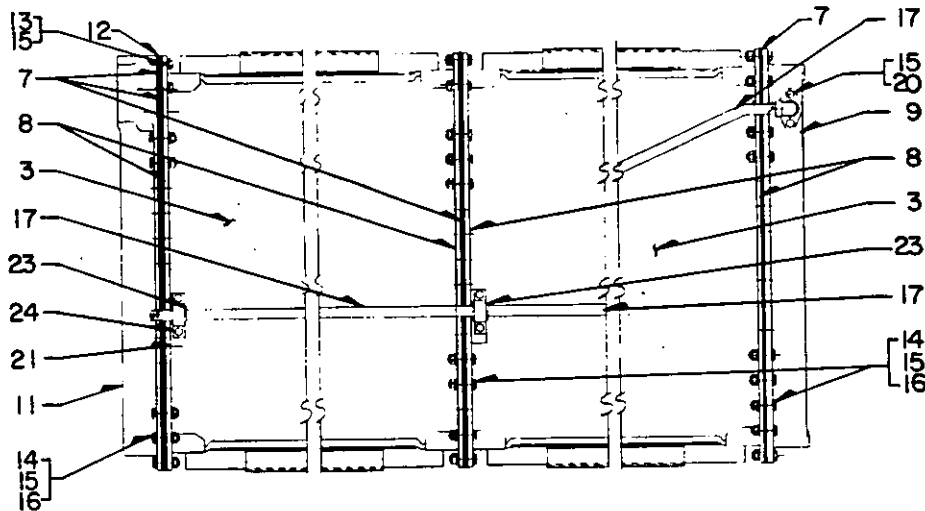
1	9327639	1	-	RADIATOR ASY. .. Left side
* 2	9327638	-	1	RADIATOR ASY. .. Right side
+ 3	8462344	1	1	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
+ 3	9315655	1	1	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond
4	8177379	2	2	GASKET .. Radiator core and header
5	8177378	4	4	PLATE .. Clamp
6	8443724	1	-	HEADER .. Radiator outlet
* 6	8443723	-	1	HEADER .. Radiator outlet
7	9093977	1	1	HEADER .. Radiator inlet
* 8	179885	3	3	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
9	179887	75	75	BOLT .. Core mounting - 1/2 - 13 x 1-3/4 hex. head
10	102637	77	77	NUT .. 1/2 - 13 hex.
11	103323	82	82	WASHER .. Lock - 1/2
12	9327595	1	-	PIPE ASY. .. Radiator vent
* 12	9327596	-	1	PIPE ASY. .. Radiator vent
13	8446063	1	-	BRACKET .. Radiator vent pipe
* 13	8446064	-	1	BRACKET .. Radiator vent pipe
14	179889	2	2	BOLT .. Plate to bracket - 1/2 - 13 x 2 hex. head
15	8446099	1	1	HOSE .. Split - Radiator vent pipe vibration absorbing
16	8081712	1	1	CLAMP .. Radiator vent pipe
17	179837	2	2	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
18	103321	2	2	WASHER .. Lock - 3/8
19	102635	2	2	NUT .. 3/8 - 16 hex.
20	8044154	1	1	UNION .. Pipe - 1/2 F.P.T.
21	8029159	1	1	GASKET .. Radiator vent pipe to outlet header
22	179883	2	2	BOLT .. Pipe flange mounting
* 23	8432428	1	1	SCREEN ASY. .. Inlet header
* 24	8432427	2	2	GASKET .. Screen to header

† It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive.

For radiator piping see P.L. No. 513.
9327494

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
GT22CU and GT22CW LocomotivesRef. Nos. 1 and 4
PLATE A549-E-5

Ref. No.	Part Number	No. Req.	Description

RADIATOR ASSEMBLY .. Water cooling - Harrison

φ 1	8470342	1	-	RADIATOR ASY. .. Left side
φ* 2	8470343	-	1	RADIATOR ASY. .. Right side
+ φ 3	3027016	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
+ φ 3	3036850	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

RADIATOR ASSEMBLY .. Water cooling - Young

φ 4	8470344	1	-	RADIATOR ASY. .. Left side
φ* 5	8470345	-	1	RADIATOR ASY. .. Right side
+ φ* 6	8462344	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
+ φ* 6	9315655	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

The following components, ref. nos. 7 thru 29, are applicable to radiator assemblies ref. nos. 1, 2, 4 and 5.

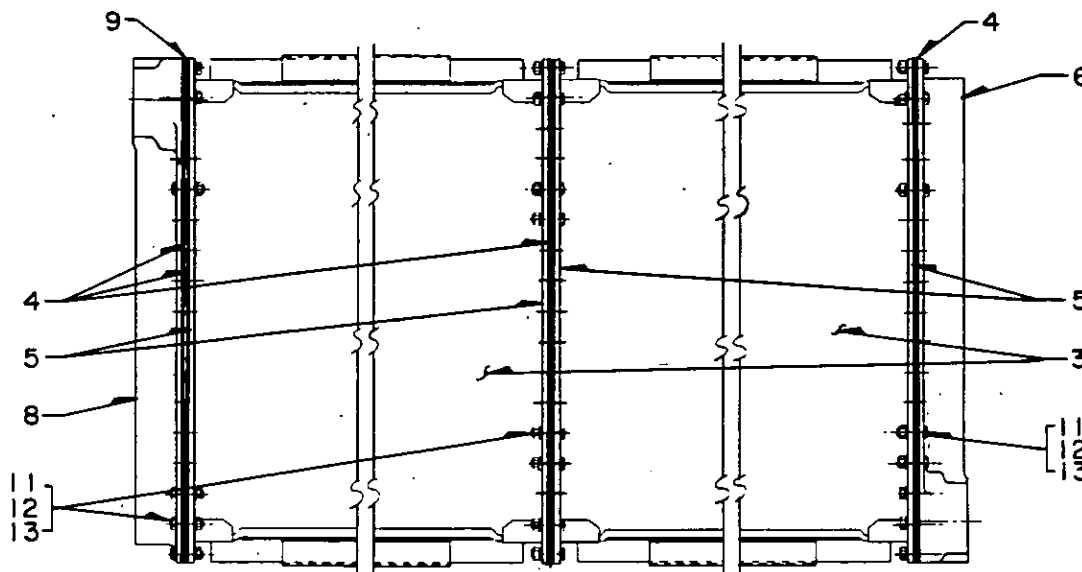
7	8177379	4	4	GASKET .. Radiator core and header
8	8177378	8	8	PLATE .. Clamp
9	8443724	1	-	HEADER .. Radiator outlet
*10	8443723	-	1	HEADER .. Radiator outlet
11	8189032	1	1	HEADER .. Radiator inlet
12	8194269	1	1	SCREEN ASY. .. Inlet header
13	179885	12	12	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
14	179889	108	108	BOLT .. Core mounting - 1/2 - 13 x 2 hex. head
15	103323	122	122	WASHER .. Lock - 1/2
16	102637	108	108	NUT .. 1/2 - 13 hex.
17	8470325	1	-	PIPE ASY. .. Radiator vent
*18	8470324	-	1	PIPE ASY. .. Radiator vent
19	8029159	1	1	GASKET .. Radiator vent pipe to outlet header
20	179883	2	2	BOLT .. Radiator vent pipe to outlet header - 1/2 - 13 x 1-1/4 hex. head
21	8446063	2	-	BRACKET .. Radiator vent pipe
*22	8446064	-	2	BRACKET .. Radiator vent pipe
23	8446099	2	2	HOSE .. Split - Radiator vent pipe
24	8081712	2	2	CLAMP .. Radiator vent pipe
25	179837	4	4	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
26	103321	4	4	WASHER .. Lock - 3/8
27	102635	4	4	NUT .. 3/8 - 16 hex.
+ *28	8177371	1	1	GASKET .. Radiator inlet header
+ *29	8368824	1	1	GASKET .. Radiator outlet header

+ It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive. For radiator piping see P.L. No. 543

8472383A
A549-E

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
JT22CW LocomotivesRef. No. 1
PLATE A549-E-6

Ref. No.	Part Number	No. Req.	Description

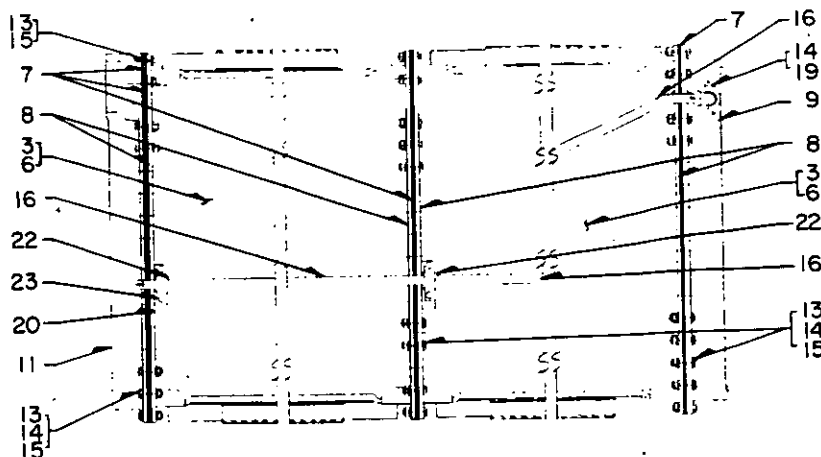
RADIATOR ASSEMBLY .. Water cooling - Harrison

	1	9310308	1	-	RADIATOR ASY. .. Left side
	* 2	9310309	-	1	RADIATOR ASY. .. Right side
φ	3	3027016	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
φ	3	3036850	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond
	4	8177379	4	4	GASKET .. Radiator core and header
	5	8177378	8	8	PLATE .. Clamp
	6	9312526	1	-	HEADER .. Radiator outlet
	* 7	9312525	-	1	HEADER .. Radiator outlet
	8	8189032	1	1	HEADER .. Radiator inlet
	9	8194269	1	1	SCREEN ASY. ... Inlet header
	*10	179885	3	3	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
	11	179889	117	117	BOLT .. Core mounting - 1/2 - 13 x 2 hex. head
	12	102637	117	117	NUT .. 1/2 - 13 hex.
	13	103323	120	120	WASHER .. Lock - 1/2
	+*14	8177371	1	1	GASKET .. Radiator inlet header
	+*15	8352787	1	1	GASKET .. Radiator outlet header

† It is not recommended that solder or mechanical bond cores be intermixed in the same locomotive.
For radiator piping see P.L. No. 513
9313574

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
JT22CW-2 LocomotivesRef. Nos. 1 and 4
PLATE A549-E-7

Ref. No.	Part Number	No. Req.	Description
RADIATOR ASSEMBLY .. Water cooling - Harrison			
φ 1	9338647	1	RADIATOR ASY. .. Left side
φ* 2	9338648	- 1	RADIATOR ASY. .. Right side
+ φ 3	3027016	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
+ φ 3	3036850	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond
RADIATOR ASSEMBLY .. Water cooling - Young			
φ 4	9338649	1	RADIATOR ASY. .. Left side
φ* 5	9338650	- 1	RADIATOR ASY. .. Right side
+ φ 6	8462344	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
+ φ 6	9315655	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

The following components, ref. nos. 7 thru 28 are applicable to radiator assemblies, ref. nos. 1,2,4 and 5.

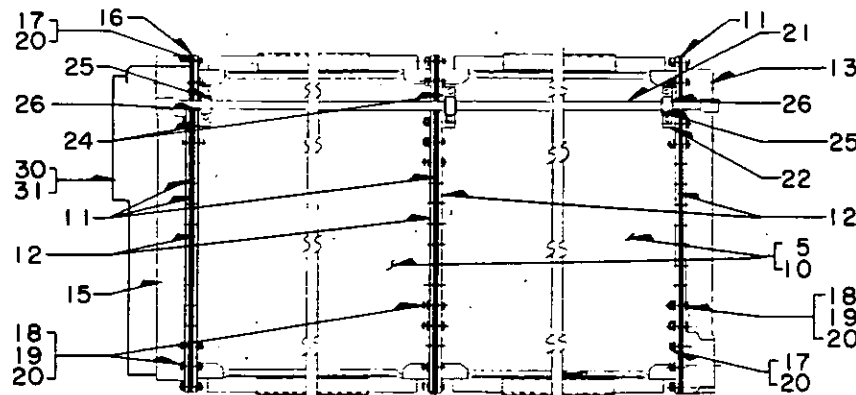
7	8177379	3	3	GASKET .. Radiator core and header
8	8177378	8	8	PLATE .. Clamp
9	8443724	1	-	HEADER .. Radiator outlet
*10	8443723	-	1	HEADER .. Radiator outlet
11	9093977	1	1	HEADER .. Radiator inlet
*12	179885	3	3	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
13	179889	117	117	BOLT .. Core mounting - 1/2 - 13 x 2 hex. head
14	103323	122	122	WASHER .. Lock - 1/2
15	102637	117	117	NUT .. 1/2 - 13 hex.
16	8470325	1	-	PIPE ASY. .. Radiator vent
*17	8470324	-	1	PIPE ASY. .. Radiator vent
*18	8029159	1	1	GASKET .. Radiator vent pipe to outlet header
19	179883	2	2	BOLT .. Radiator vent pipe to outlet header - 1/2 - 13 x 1-1/4 hex. head
20	8446063	2	-	BRACKET .. Radiator vent pipe
*21	8446064	-	2	BRACKET .. Radiator vent pipe
22	8446099	2	2	HOSE .. Split - Radiator vent pipe
23	8081712	2	2	CLAMP .. Radiator vent pipe
*24	179837	4	4	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
*25	103321	4	4	WASHER .. Lock - 3/8
*26	102635	4	4	NUT .. 3/8 - 16 hex.
+ *27	8432427	2	2	GASKET .. Radiator inlet header
+ *28	8432428	1	1	SCREW .. Radiator inlet
+ *29	8352787	1	1	GASKET .. Radiator outlet header

† It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive.

For radiator piping see P.L. No. 543
9500569B

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
G26CU and G26CW Locomotives



Ref. Nos. 1 and 6
PLATE A549-E-8

Ref. No.	Part Number	Number Required				Description
RADIATOR ASSEMBLY .. Water cooling - Harrison						
φ 1	9321378	1	-	-	-	RADIATOR ASY. ... Left side - Formerly 8475270, 8377219
φ* 2	9321379	-	1	-	-	RADIATOR ASY. ... Right side - Formerly 8475271, 8377218
φ* 3	8475270	-	-	1	-	RADIATOR ASY. ... Left side - Formerly 8377219
φ* 4	8475271	-	-	-	1	RADIATOR ASY. ... Right side - Formerly 8377218
† φ 5	3027016	2	2	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
† φ 5	3036850	2	2	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

RADIATOR ASSEMBLY .. Water cooling - Young						
φ 6	9321380	1	-	-	-	RADIATOR ASY. .. Left side - Formerly 8475267, 8377217
φ* 7	9321381	-	1	-	-	RADIATOR ASY. .. Right side - Formerly 8475268, 8377216
φ* 8	8475267	-	-	1	-	RADIATOR ASY. .. Left side - Formerly 8377217
φ* 9	8475268	-	-	-	1	RADIATOR ASY. .. Right side - Formerly 8377216
† φ 10	8462344	2	2	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond
† φ 10	9315655	2	2	2	2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

The following components, ref. nos. 11 thru 32, are applicable to radiator assemblies, ref. nos. 1 thru 4 and 6 thru 9.

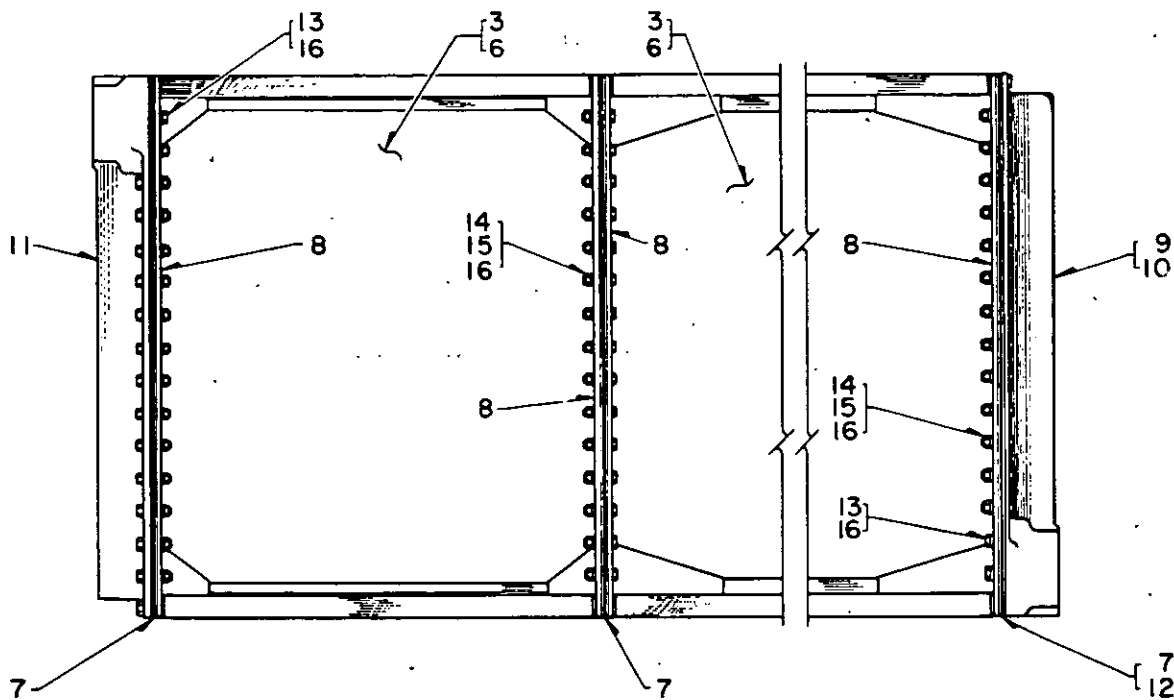
11	8177379	3	3	4	4	GASKET .. Radiator core and header
12	8177378	8	8	8	8	PLATE .. Clamp
13	8306615	1	-	1	-	HEADER .. Radiator outlet
*14	8206614	-	1	-	1	HEADER .. Radiator outlet
15	9093977	1	1	-	-	HEADER .. Radiator inlet
*15	8189032	-	-	1	1	HEADER .. Radiator inlet
*16	8194269	-	-	1	1	SCREEN ASY. .. Inlet header
17	179885	9	9	17	17	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
18	179887	105	105	98	98	BOLT .. Core mounting - 1/2 - 13 x 1-3/4 hex. head
19	102637	111	111	102	102	NUT .. 1/2 - 13 hex.
20	103323	120	120	120	120	WASHER .. Lock - 1/2
21	8476819	1	1	1	1	PIPE ASY. .. Radiator vent
22	8446064	1	2	1	2	BRACKET .. Radiator vent pipe
*23	179889	6	6	5	5	BOLT .. Plate to bracket - 1/2 - 13 x 2 hex. head
24	8446063	2	1	2	1	BRACKET .. Radiator vent pipe
25	8446099	3	3	3	3	HOSE .. Split - Radiator vent pipe vibration absorbing
26	8081712	3	3	3	3	CLAMP .. Radiator vent pipe
*27	179837	6	6	6	6	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
*28	103321	6	6	6	6	WASHER .. Lock - 3/8
*29	102635	6	6	6	6	NUT .. 3/8 - 16 - hex.
† 30	8432427	2	2	-	-	GASKET .. Radiator inlet header
† 31	8432428	1	1	-	-	SCREEN .. Radiator inlet
† *32	8177371	1	1	2	2	GASKET .. Radiator outlet and inlet

† It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive.

For radiator piping see P.L. No. 513
8477740J

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR

Radiator Assemblies With Double Length 6 Row Cooling Cores
G26CU and G26CW Locomotives

Ref. Nos. 2 and 5

PLATE A549-E-9

Ref. No.	Part Number	No. Req.	Description
RADIATOR ASSEMBLY .. Water cooling - Harrison			
φ* 1	8377219	1 -	RADIATOR ASY. .. Left side
φ 2	8377218	- 1	RADIATOR ASY. .. Right side
φ 3	3027016	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond - Replaces 3010256
φ 3	3036850	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

RADIATOR ASSEMBLY .. Water cooling - Young

φ* 4	8377217	1 -	RADIATOR ASY. .. Left side
φ 5	8377216	- 1	RADIATOR ASY. .. Right side
φ 6	8462344	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Solder bond - Replaces 8366731
φ 6	9315655	2 2	CORE .. Radiator cooling - 55-3/8 in. long - Mechanical bond

The following components ref. nos. 7 thru 17, are applicable to radiator assemblies, ref. nos. 1, 2, 4 and 5.

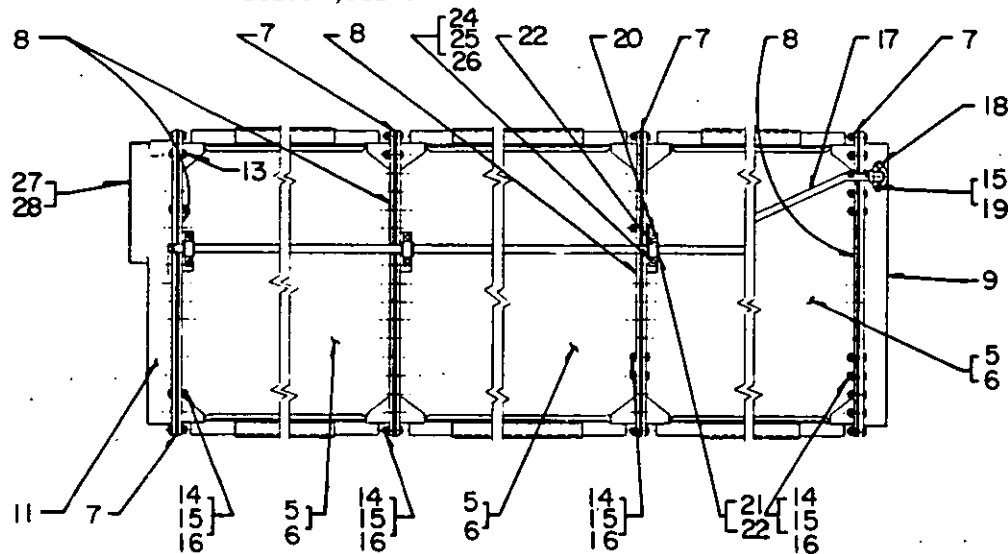
7	8177379	4 4	GASKET .. Radiator core and header
8	8177378	8 8	PLATE .. Clamp
* 9	8206615	1 -	HEADER .. Radiator outlet
10	8206614	- 1	HEADER .. Radiator outlet
11	8189032	1 1	HEADER .. Radiator inlet
12	8194269	1 1	SCREEN ASY. .. Inlet header
13	179885	18 18	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
14	179887	102 102	BOLT .. Core mounting - 1/2 - 13 x 1-3/4 hex. head
15	102637	102 102	NUT .. 1/2 - 13 hex.
16	103323	120 120	WASHER .. Lock - 1/2
φ *17	8177371	2 2	GASKET .. Radiator inlet and outlet - Replaces 8234119

† It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive.

For radiator piping see P.L. No. 513
8387334G

P.L. No. A549-E

ENGINE WATER COOLING RADIATOR
 Radiator Assemblies With Double Length 6 Row Cooling Cores
 GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No.	Part Number	Number Required	Ref. No. 1 PLATE A549-E-10	Description
RADIATOR ASSEMBLY .. Water cooling				
φ 1	9503014	1	-	RADIATOR ASY. .. Left side - Formerly 8447448
φ* 2	9503015	-	1	RADIATOR ASY. .. Right side - Formerly 8447449
φ* 3	8447448	-	-	RADIATOR ASY. .. Left side
φ* 4	8447449	-	-	RADIATOR ASY. .. Right side
+ φ 5	3027016	3	3	CORE .. Radiator cooling - Solder bond - Repl. 3023761 } Harrison Core
+ φ 5	3036850	3	3	CORE .. Radiator cooling - Mechanical bond } 55-3/8 in. long
+ φ 6	8462344	3	3	CORE .. Radiator cooling - Solder bond } Young Core
+ φ 6	9315655	3	3	CORE .. Radiator cooling - Mechanical bond } 55-3/8 in. long
7	8177379	4	4	GASKET .. Radiator core and header
8	8177378	12	12	PLATE .. Clamp
9	8443724	1	-	HEADER .. Radiator outlet
*10	8443723	-	1	HEADER .. Radiator outlet
11	9093977	1	1	HEADER .. Radiator inlet
*11	8189032	-	1	HEADER .. Radiator inlet
*12	8194269	-	1	SCREEN ASY. .. Inlet header
13	179885	3	3	BOLT .. Core to header - 1/2 - 13 x 1-1/2 hex. head
14	179887	142	142	BOLT .. Core mounting - 1/2 - 13 x 1-3/4 hex. head
15	103323	162	162	WASHER .. Lock - 1/2
16	102637	148	148	NUT .. 1/2 - 13 hex.
17	8475633	1	-	PIPE ASY. .. Radiator vent - Formerly 8446951, 8446959
*17	8475632	-	1	PIPE ASY. .. Radiator vent - Formerly 8446951, 8446959
18	8029159	1	1	GASKET .. Radiator vent pipe to outlet header
19	179883	2	2	BOLT .. Radiator vent pipe to outlet header - 1/2 - 13 x 1-1/4 hex. head
20	8446063	3	-	BRACKET .. Radiator vent pipe
20	8446064	-	3	BRACKET .. Radiator vent pipe
21	8446099	3	3	HOSE .. Split - Radiator vent pipe vibration absorbing
22	8081712	3	3	CLAMP .. Radiator vent pipe
*23	179889	6	6	BOLT .. Bracket mounting - 1/2 - 13 x 2 hex. head
24	179837	6	6	BOLT .. Clamp to bracket - 3/8 - 16 x 3/4 hex. head
25	103321	6	6	WASHER .. Lock - 3/8
26	102635	6	6	NUT .. 3/8 - 16 hex.
+ 27	8432427	2	2	GASKET .. Radiator inlet header - Formerly 8177371
+ 28	8432428	1	1	SCREEN .. Radiator inlet
+ *29	8177371	-	1	GASKET .. Radiator inlet header
+ *30	8352787	1	1	GASKET .. Radiator outlet header

+ It is not recommended that solder or mechanical bond cores, or cores of different manufacturers, be intermixed in the same locomotive.

For radiator piping see P.L. No. 543
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AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Screens, Shutters and Operating Rods
G22W,G22CU,GL22C and G26CW Locomotives

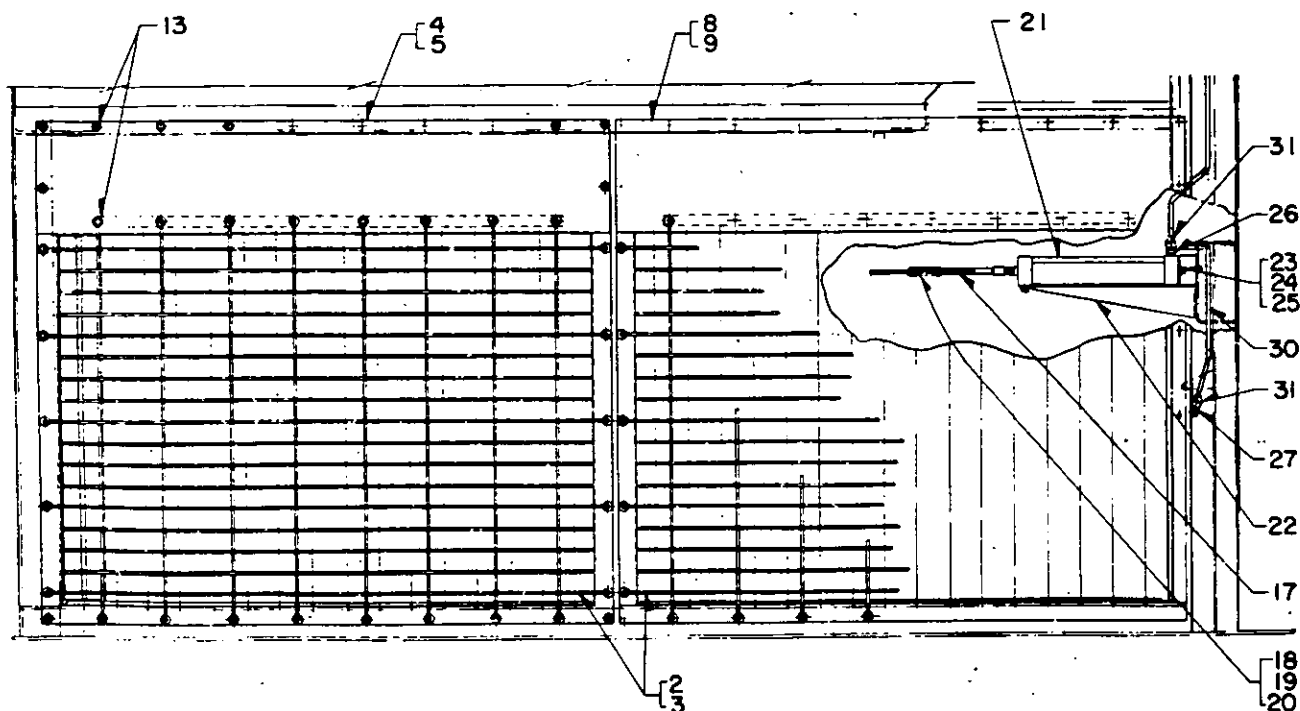


PLATE A544-E-1

Ref. No.	Part Number	No. Req.		Description
		A	B	G22W,G22CU and GL22C locomotives G26CW locomotive
* 1	8387403	2	2	SCREEN ASSEMBLY .. Air intake - Located above radiators
2	8382740	4	-	SCREEN ASSEMBLY .. Shutter
3	8387700	-	4	SCREEN ASSEMBLY .. Shutter
4	8382684	1	-	SHUTTER ASSEMBLY .. Left side front
5	8387658	-	1	SHUTTER ASSEMBLY .. Left side front
* 6	8382687	1	-	SHUTTER ASSEMBLY .. Right side front
* 7	8387660	-	1	SHUTTER ASSEMBLY .. Right side front
8	8382685	1	-	SHUTTER ASSEMBLY .. Left side rear
9	8387657	-	1	SHUTTER ASSEMBLY .. Left side rear
*10	8382686	1	-	SHUTTER ASSEMBLY .. Right side rear
*11	8387659	-	1	SHUTTER ASSEMBLY .. Right side rear
*12	9419650	112	112	SCREW .. Tapping - Air intake screen to hood - 3/8-16 x 3/4 hex. washer head
13	9421606	112	128	SCREW .. Tapping - Shutter screen and shutter mounting - 5/16-18 x 1 hex. washer head
*14	8376724	2	2	ROD ASSEMBLY .. Operating - Shutter to shutter
*15	442721	4	4	JOINT .. Ball
*16	103028	4	4	NUT .. Ball joint locking - 1/2-20 hex.
17	8376103	2	2	ROD ASSEMBLY .. Operating - Cylinder to shutter
18	442721	4	4	JOINT .. Ball
19	103028	4	4	NUT .. Ball joint locking - 1/2-20 hex.
20	103323	8	8	WASHER .. Lock - 1/2

See Pages 15 and 16

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P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Ref. No.	Part Number	No. Req.		Description
		A	B	G22W,G22CU and GL22C locomotives G26CW locomotive.
21	8374008	2	2	CYLINDER ASY. .. Air - Shutter operating - Replaces 8370271 - See P.L. 555
22	8380248	2	2	BRACKET .. Cylinder mounting - Welds to hood
23	179839	8	8	BOLT .. 3/8-16 x 1 hex. head
24	103321	8	8	WASHER .. Lock - 3/8
25	103341	8	8	WASHER .. Plain - 13/32 I.D.
26	118750	1	1	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
*27	118812	1	1	ELBOW .. 3/8 tube - 90°
28	8039169	1	1	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
*29	140675	1	1	TEE .. 3/8 tube x 1/4 M.P.T. x 3/8 tube
30	8098594	AR	AR	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel - Available 20 ft. - Approximately 13 feet required
31	121758	6	6	NUT .. 3/8 tube
*32	8108111	6	6	CLAMP ASSEMBLY .. Tubing support
*33	8108202	2	2	CLAMP ASSEMBLY .. Tubing support

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Shutters, Mounting and Fittings
GT26CW Locomotive

PLATE A554-E-3

Ref. No.	Part Number	No. Req.	Description
		A	GT26CW loco. - 6 ft. 8-7/8 in. long shutters
		B	GT26CW loco. - 6 ft. 2-1/2 in. long shutters
1	8448088	1	SHUTTER ASSEMBLY .. Includes grill - Left side front - See Page 19
1	8454004	1	SHUTTER ASSEMBLY .. Includes grill - Left side front - See Page 19
2	8448089	3	SHUTTER ASSEMBLY .. Includes grill - Left side rear - Right side front and rear - See Page 19
2	8454005	3	SHUTTER ASSEMBLY .. Includes grill - Left side rear - Right side front and rear - See Page 19
3	8309353	11	CLIP .. Half hinge - Welds to hood
4	8448043	1	BAR .. Round - 1/4 in. dia. x 4 in. long - Welds to hood
5	179835	54	BOLT .. Shutter mounting - 3/8-16 x 5/8 hex. head
6	103321	54	WASHER .. Lock - 3/8
7	8425989	4	HOSE ASSEMBLY .. Shutter operating air cylinder
8	8116832	-	PIPE .. 3/8 in. standard wrought steel 20 ft. - Approx. 5 ft. required
8A	8314241	-	PIPE .. 3/8 in. standard wrought steel - Pickled and oiled available in 21 ft. lengths - Approximately 21 ft. required
9	8153081	2	NIPPLE .. Pipe - 3/8 M.P.T. x 4-1/2 in. long (threaded one end only)
10	8267306	1	COUPLING .. Pipe - 3/8 M.P.T. x 3/8 weld
11	118755	4	ELBOW .. 3/8 tube x 1/4 M.P.T. - 90°
12	8039169	3	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
13	8040350	4	ELBOW .. 3/8 tube x 3/8 F.P.T. - 90°
*14	118812	1	ELBOW .. 3/8 tube - 90°
15	8206583	1	TEE .. 3/8 F.P.T. x 3/8 weld x 3/8 weld
16	8276401	2	TEE .. 3/8 weld
*17	8134603	1	VALVE .. 3 way - 3/8 F.P.T.
18	8098594	AR	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel - Sold per foot - Available 20 ft. length - Approximately 11 feet required
19	121758	6	NUT .. 3/8 tube
20	8108202	4	CLAMP ASSEMBLY .. Tubing support
21	8108209	9	CLAMP ASSEMBLY .. Pipe support
*22	8448094	1	ANGLE .. Pipe support clamp mounting - Welds to A.C. cabinet
*23	8081625	1	CLAMP .. Pipe support
*24	179795	2	BOLT .. Clamp to angle - 1/4-20 x 3/4 hex. head
*25	103319	2	WASHER .. Lock - 1/4
*26	109084	2	NUT .. 1/4-20 hex.

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P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

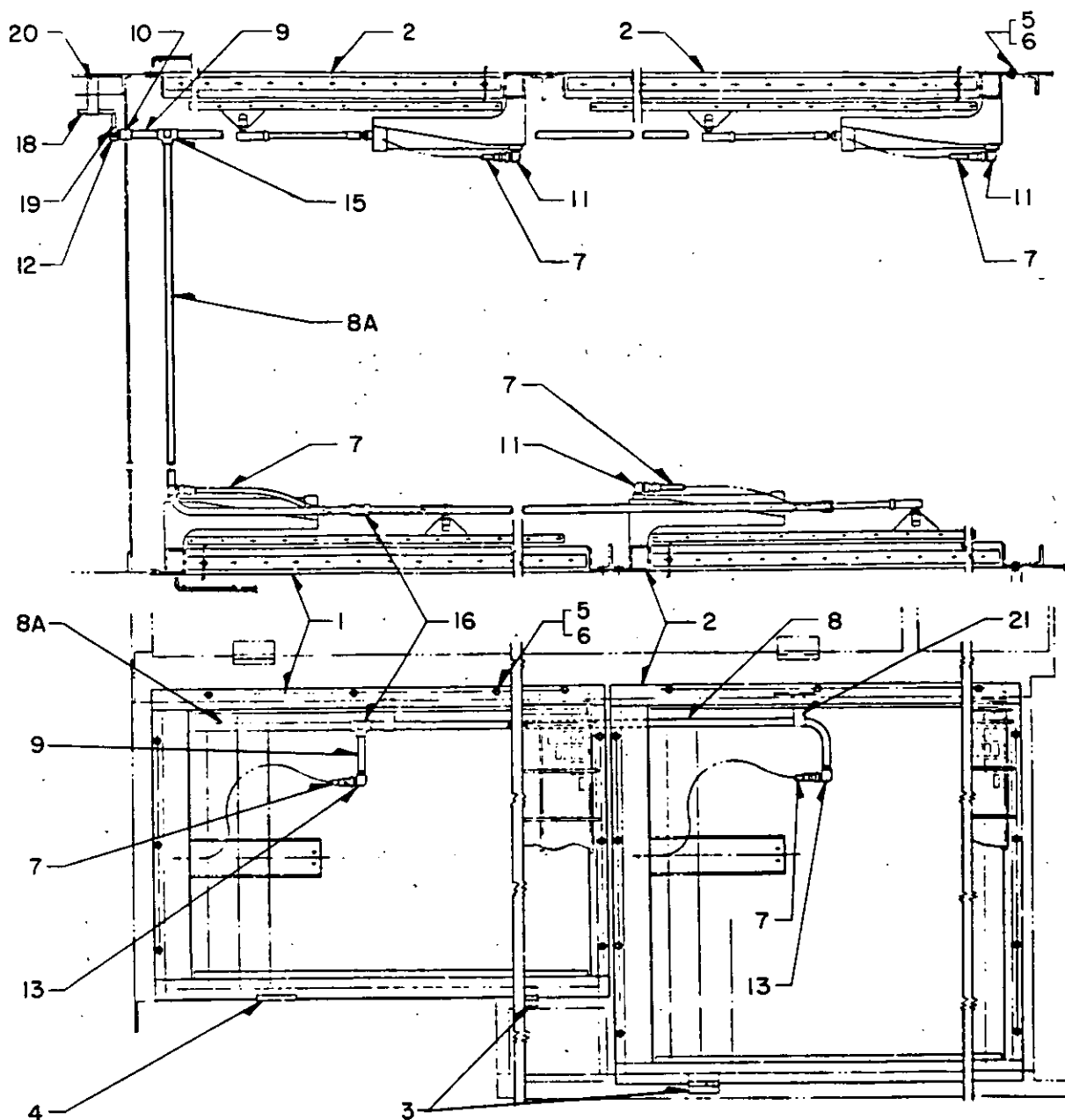


PLATE A554-E-3

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Grill, Screen, Shutter and Operating Rod
G18U, G18W and GA18 Locomotives

PLATE A554-E-2

Ref. No.	Part Number	No. Req.	Description
* 1	8398181	2	GRILL ASSEMBLY .. Air intake - Located above radiator
* 2	9419650	64	SCREW .. Tapping - 3/8-16 x 3/4 hex. washer head
φ 3	8406777	1	SCREEN ASSEMBLY .. Shutter - 5 ft. 10 in. x 5 ft. 2 in.
φ 4	8416427	2	SCREEN ASSEMBLY .. Shutter - 2 ft. 10-1/2 in. x 5 ft. 2 in.
5	8416360	4	ANGLE .. Screen mounting - Applies only to screen Ref. No. 4
6	9419650	4	SCREW .. Tapping - 3/8-16 x 3/4 hex. washer head - Applies only to screen Ref. No. 4
7	179839	10	BOLT .. 3/8-16 x 1 hex. head
8	103321	10	WASHER .. Lock - 3/8
9	103341	10	WASHER .. Plain - 13/32 I.D.
10	8406450	1	SHUTTER ASSEMBLY .. Radiator - See Page 12
11	8406903	2	ANGLE .. Shutter retainer
12	179839	4	BOLT .. 3/8-16 x 1 hex. head
13	103321	4	WASHER .. Lock - 3/8
14	8339642	1	ROD ASSEMBLY .. Operating - Cylinder to shutter
15	442721	1	JOINT .. Ball
16	103028	1	NUT .. Ball joint locking - 1/2-20 hex.
17	103323	2	WASHER .. Lock - 1/2
18	8374008	1	CYLINDER ASY. .. Air - Shutter operating - Replaces 8370271 - See Parts List 555
19	8406920	1	BRACKET .. Cylinder mounting - Upper - Welds to hood
20	8406919	1	BRACKET .. Cylinder mounting - Lower - Welds to hood
21	179839	4	BOLT .. 3/8-16 x 1 hex. head
22	103321	4	WASHER .. Lock - 3/8
*23	118755	1	ELBOW .. 3/8 tube x 1/4 M.P.T.
24	118576	2	ELBOW .. 3/8 tube x 1/4 F.P.T.
25	8098594	AR	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel - Available 20 ft. - Approximately 9 ft. required
25 A	121758	4	NUT .. 3/8 tube
26	8406867	AR	PIPE .. 1/4 in. extra strong wrought steel 20 ft. - Approximately 3 ft. required
27	8236518	4	CLAMP ASSEMBLY .. Tubing support - Formerly 8108202 and 8108204

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AUTOMATIC SHUTTERS AND OPERATING MECHANISM

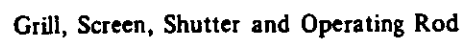


PLATE A554-E-2

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

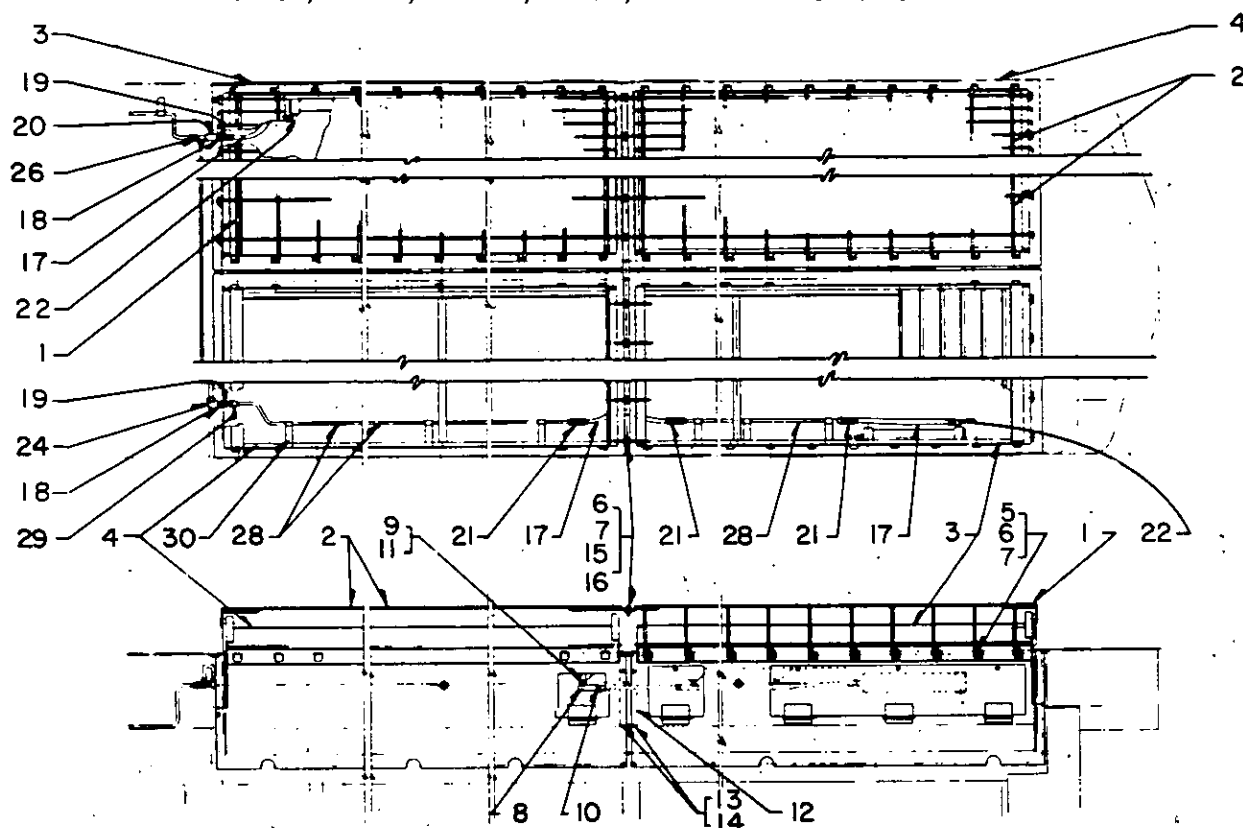
Grills, Shutters, Mountings and Fittings
GT22CU,GT22CW,JT22CW-2,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE A554-E4

Ref. No.	Part Number	Number Required	Description
	A	-	GT22CU and GT22CW Locomotives
	B	-	JT22CW-2 Locomotives
	C	-	GT26CW,GT26CU-2 and GT26CW-2 Locomotives
1	8471366	2 2	GRILL .. Shutter - Right front and left rear
1	8475511	- - 2	GRILL .. Shutter - Right front and left rear
2	8471367	2 2	GRILL .. Shutter - Left front and right rear
2	8475510	- - 2	GRILL .. Shutter - Left front and right rear
3	8472146	2 - -	SHUTTER ASY. .. Right front and left rear
* 3	9339417	- 2 -	SHUTTER ASY. .. Right front and left rear
3	8475842	- - 2	SHUTTER ASY. .. Right front and left rear
4	8472147	2 - -	SHUTTER ASY. .. Left front and right rear
* 4	9339416	- 2 -	SHUTTER ASY. .. Left front and right rear
4	8476061	- - 2	SHUTTER ASY. .. Left front and right rear
5	179839	160 152 204	BOLT .. Shutter grill and shutter mounting - 3/8 - 16 x 1 hex. head
6	103321	186 186 236	WASHER .. Lock - 3/8
7	103341	142 130 160	WASHER .. Plain - 3/8
8	8418098	2 2 2	ROD ASY. .. Operating - Shutter to shutter
9	442721	4 4 4	JOINT .. Ball
10	103028	4 4 4	NUT .. Joint locking - 1/2 - 20 hex.
11	103323	4 4 4	WASHER .. Lock - 1/2

See Pages
20 and 21

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P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Ref. No.	Part Number	Number Required			Description
		A	-	-	GT22CU and GT22CW Locomotives
		-	B	-	JT22CW-2 Locomotives
		-	-	C	GT26CW,GT26CU-2 and GT26CW-2 Locomotives
12	8472503	2	-	2	SUPPORT .. Shutter - Left and right side
*12	9339209	-	2	-	SUPPORT .. Shutter - Left and right side
13	179881	8	8	8	BOLT .. Shutter support - 1/2 - 13 x 1 hex. head
14	103323	8	8	8	WASHER .. Lock - 1/2
15	179843	12	20	12	BOLT .. Grill asy. to grill asy. - 3/8 - 16 x 1-1/2 hex. head
16	102635	12	12	12	NUT .. 3/8 - 16 hex.
17	8471250	3	3	3	HOSE ASY. .. Air cylinder to air line
18	8144118	2	2	2	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
19	102639	2	2	2	NUT .. Tube connector lock - 5/8 - 18 hex.
20	8234574	1	-	1	COUPLING .. Pipe - 1/4 F.P.T.
21	118802	3	2	3	UNION .. 3/8 tube
22	118755	2	1	2	ELBOW .. 3/8 tube x 1/4 M.P.T. - 90°
*23	118750	-	1	-	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
24	8040349	1	-	1	ELBOW .. 3/8 tube x 1/8 F.P.T. - 90°
*25	118576	-	2	-	ELBOW .. 3/8 tube x 1/4 F.P.T.
26	140675	1	-	1	TEE .. 3/8 tube x 1/4 M.P.T. x 3/8 tube
*27	118760	-	1	-	TEE .. 3/8 tube x 3/8 tube x 1/4 M.P.T.
28	8098594	As Req.			TUBING .. 3/8 O.D. x .028 wall copper brazed steel - Available 20 ft. lengths - Approximately 22 ft. required
29	121758	8	6	8	NUT .. 3/8 tube
30	8236518	9	6	11	CLAMP ASY. .. Tubing support
*31	8404104	As Req.			SEALER .. Plastic tape - 30 ft. long - Shutters to support

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Screens, Shutters and Operating Rods
G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

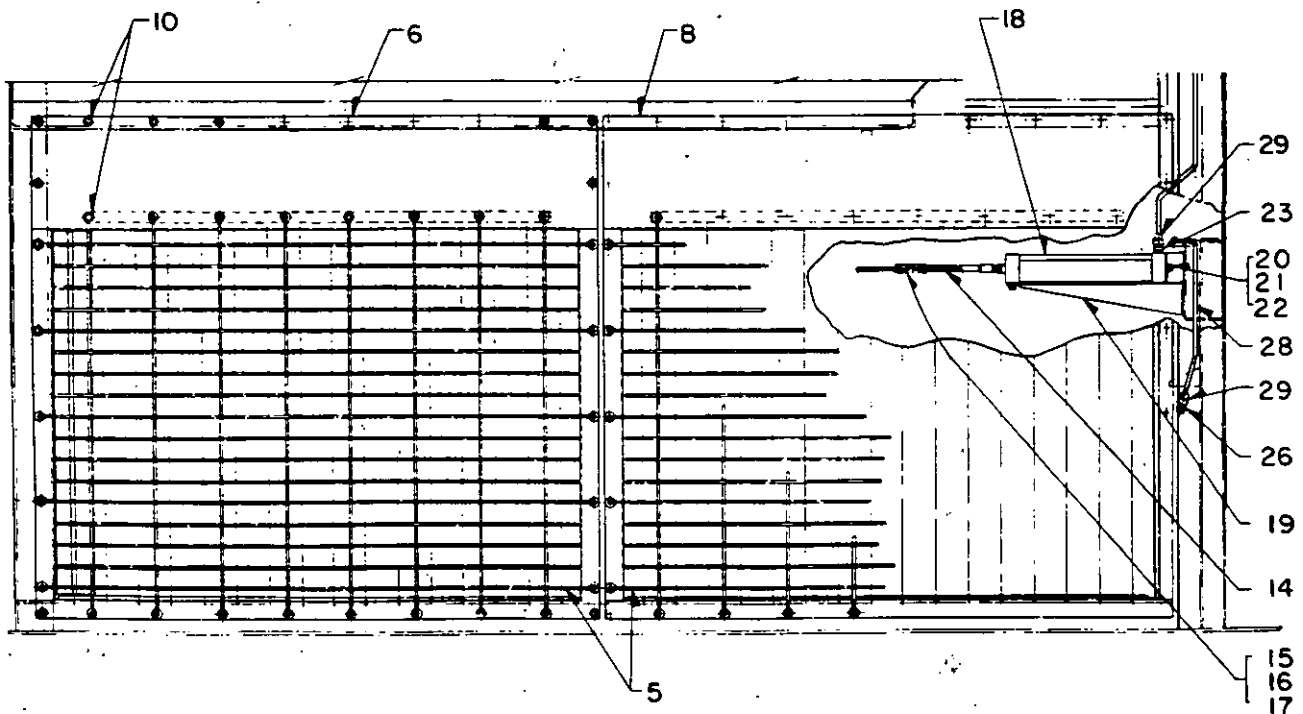


PLATE A554-E-5

Ref. No.	Part Number	No. Req.	Description
	A	-	G22U,G22W,G22CU,G22CW and GL22C Locomotives
	B	-	G26CU and G26CW Locomotives
* 1	8468152	2	SCREEN ASY. ... Air outlet
* 1	8475880	2	SCREEN ASY. ... Air outlet
* 2	8468495	8	RETAINER .. Air outlet screen
* 3	9423364	8	SCREW .. Tapping - Retainer to hood - 3/8 - 16 x 1-1/2 hex. washer head
* 4	9419650	56	SCREW .. Tapping - Screen to hood - 3/8 - 16 x 3/4 hex. washer head
5	8382740	4	SCREEN ASY. ... Shutter - Previously applied
5	8387700	-	SCREEN ASY. ... Shutter
6	8462357	1	SHUTTER ASY. ... Left side front - 43 x 46-3/4 in.
6	8387658	1	SHUTTER ASY. ... Left side front - 55 x 46-3/4 in.
* 7	8462356	1	SHUTTER ASY. ... Right side front - 43 x 46-3/4 in.
* 7	8387660	1	SHUTTER ASY. ... Right side front - 55 x 46-3/4 in.
8	8462354	1	SHUTTER ASY. ... Left side rear - 43 x 46-3/4 in.
8	8387657	1	SHUTTER ASY. ... Left side rear - 55 x 46-3/4 in.
* 9	8462355	1	SHUTTER ASY. ... Right side rear - 43 x 46-3/4 in.
* 9	8387659	1	SHUTTER ASY. ... Right side rear - 55 x 46-3/4 in.
10	9420050	48	SCREW .. Tapping - Shutter frame mounting - 3/8 - 16 x 1 hex. washer head
10	9421606	-128	SCREW .. Tapping - Shutter screen and shutter to hood - 5/16 - 18 x 1 hex. washer head

} Located above Radiators

} See Page 16

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P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Ref. No.	Part Number	No. Req.	Description
		A -	G22U,G22W,G22CU,G22CW and GL22C locomotives
		- B	G26CU and G26CW locomotives
*11	8376724	2 2	ROD ASY. .. Operating - Shutter to shutter
*12	442721	4 4	JOINT .. Ball
*13	103028	4 4	NUT .. Ball joint locking - 1/2 - 20 hex.
14	8376103	2 2	ROD ASY. .. Opearting - Cylinder to shutter
15	442721	2 2	JOINT .. Ball
16	103028	2 2	NUT .. Ball joint
17	103323	8 8	WASHER .. Lock - 1/2
18	8374008	2 2	CYLINDER ASY. .. Air - Shutter operating - Replaces 8370271 - See P.L. 555
19	8380248	2 2	BRACKET .. Cylinder mounting - Welds to hood
20	179839	8 8	BOLT .. Cylinder to bracket - 3/8 - 16 x 1 hex. head
21	103321	8 8	WASHER .. Lock - 3/8
22	103341	8 8	WASHER .. Plain - 13/32 I.D.
23	118750	1 1	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
*24	8040313	2 -	CONNECTOR .. 3/8 tube x 3/8 M.P.T.
*25	118812	1 1	ELBOW .. 3/8 tube - 90°
26	8039169	1 1	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
*27	140675	1 1	TEE .. 3/8 tube x 1/4 M.P.T. x 3/8 tube
28	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper brazed steel - 20 ft. long - Approximately 13 ft. required
29	121758	8 6	NUT .. 3/8 tube
*30	8108202	4 2	CLAMP .. Hanger - 3/8 O.D. tubing - 4 in. long
*31	8108111	4 6	CLAMP .. "C" - 3/8 O.D. tubing
*32	8452907	1 -	VALVE .. Ball cock - Vented - 3/8 F.P.T.
*33	8462503	1 -	BRACKET .. Valve and instruction plate mounting - Welds to hood
*34		1 -	PLATE .. Instruction - TEST, OPERATION SHUTTER VALVE
*35	171344	2 -	SCREW .. Tapping - Plate to bracket - 6-32 x 3/8 round head

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

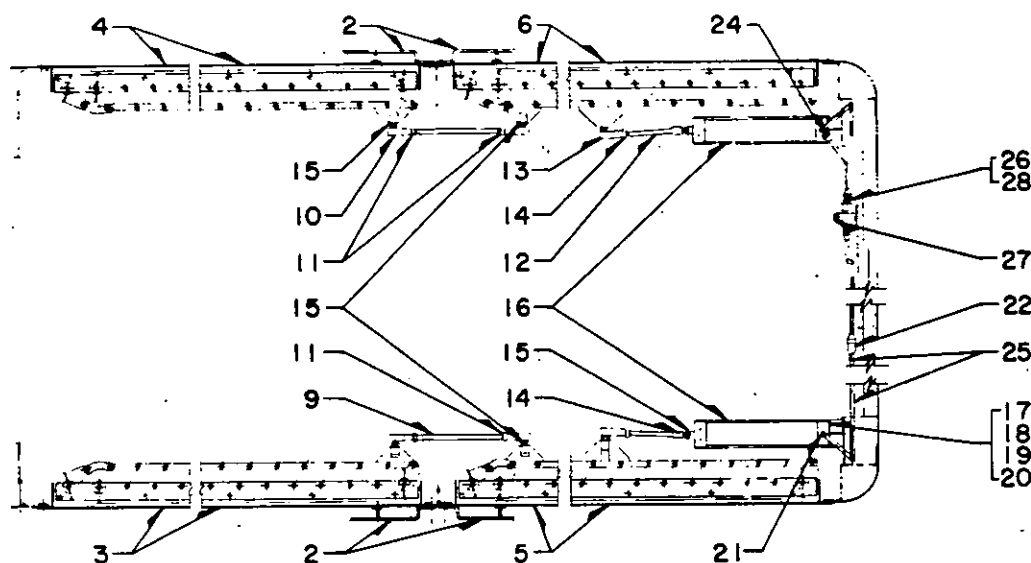
Screens, Shutters and Operating Rods
G26CU and G26CW Locomotives

PLATE A554-E-6

Ref. No.	Part Number	No. Req.	Description
* 1	8475880	4	SCREEN ASSEMBLY .. Air intake - Located above radiators
2	8387700	4	SCREEN ASSEMBLY .. Shutters - Previously applied
3	8485192	1	SHUTTER ASSEMBLY .. Left side front
4	8485190	1	SHUTTER ASSEMBLY .. Right side front
5	8485191	1	SHUTTER ASSEMBLY .. Left side rear
6	8485189	1	SHUTTER ASSEMBLY .. Right side rear
* 7	9419650	72	SCREW .. Tapping - Air intake screen to hood - 3/8-16 x 3/4 hex. washer head
* 8	9420050	56	SCREW .. Tapping - Shutter frame mounting - 3/8 - 16 x 1 hex. washer head - Formerly 9421606
9	8376724	2	ROD ASSEMBLY .. Operating - Shutter to shutter
10	442721	4	JOINT .. Ball
11	103028	4	NUT .. Ball joint locking - 1/2-20 hex.
12	8376103	2	ROD ASSEMBLY .. Operating - Cylinder to shutter
13	442721	4	JOINT .. Ball
14	103028	4	NUT .. Ball joint locking - 1/2-20 hex.
15	103323	8	WASHER .. Lock - 1/2
16	8374008	2	CYLINDER .. Air - Shutter operating - See P.L. 555
17	8380248	2	BRACKET .. Cylinder mounting - Welds to hood
18	179839	8	BOLT .. 3/8-16 x 1 hex. head
19	103321	8	WASHER .. Lock - 3/8
20	103341	8	WASHER .. Plain - 13/32 I.D.
21	118750	1	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
22	118812	1	ELBOW .. 3/8 tube - 90°
*23	8039169	1	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
24	140675	1	TEE .. 3/8 tube x 1/4 M.P.T. x 3/8 tube
25	8098594	AR	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel - Available 20 ft. - Approximately 19 feet required
26	121758	8	NUT .. 3/8 tube
27	8452907	1	VALVE .. 3 way - 3/8 F.P.T. - Shutter control
28	8040313	2	CONNECTOR .. 3/8 tube x 3/8 M.P.T.
*29	8108111	4	CLAMP ASSEMBLY .. Tubing support
*30	8108202	4	CLAMP ASSEMBLY .. Tubing support

See Page 18

8485193B

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Radiator Shutter Assembly
G18U,G18W and GA18 Locomotives

PLATE A554-E-7

Ref. No.	Part Number	No. Req.	Description
1	8406450	1	SHUTTER ASSEMBLY .. Radiator
2	8406656	1	BAR ASSEMBLY .. Operating
3	8406968	1	PAD .. Tapping
4	8406957	A.R.	SHIM .. Tapping pad to frame - 20 Ga. x 1-1/4 in. x 57-1/2 in.
5	179837	2	BOLT .. 3/8-16 x 3/4 hex. head
6	103341	2	WASHER .. Plain - 13/32 I.D.
7	8406847	8	BLADE ASSEMBLY .. Shutter
8	8406840	16	BUSHING .. Blade pivot - 3/4-10 thread
9	8406977	8	SEAL .. Silicone sponge rubber - 5/16 in. x 5/16 in. x 63-7/32 in.
10	8366747	A.R.	COMPOUND .. Seal to retainer - 12 ounce tube - Formerly 8305837
11	8406842	8	RETAINER .. Seal
12	171352	88	SCREW .. Tapping - No. 8 x 3/8 round head - Formerly 171350
13	8406841	16	BOLT .. Pin - Blade pivot
14	103343	16	WASHER .. Plain - 17/32 I.D.
15	8008851	8	BUSHING .. Operating bar
16	179818	8	BOLT .. 5/16-18 x 1 hex. head
17	103340	8	WASHER .. Plain - 11/32 I.D.
18	9416511	8	NUT .. Lock - 5/16-18 hex.
19	8406977	1	SEAL .. Silicone sponge rubber - 5/16 in. x 5/16 in. x 63-7/32 in.
20	8406930	2	SEAL .. Neoprene rubber - 1/2 in. x 1-3/4 in. x 61 in.
21	8406931	2	SEAL .. Neoprene rubber - 1/2 in. x 1-3/4 in. x 64-1/2 in.
22	8366747	A.R.	COMPOUND .. Seal to retainer and shutter frame - 12 ounce tube
23	8406959	1	RETAINER .. Seal
24	177223	11	SCREW .. Tapping - 8-32 x 1 round head
25	8406960	1	ANGLE .. Closure - Welds to shutter frame

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

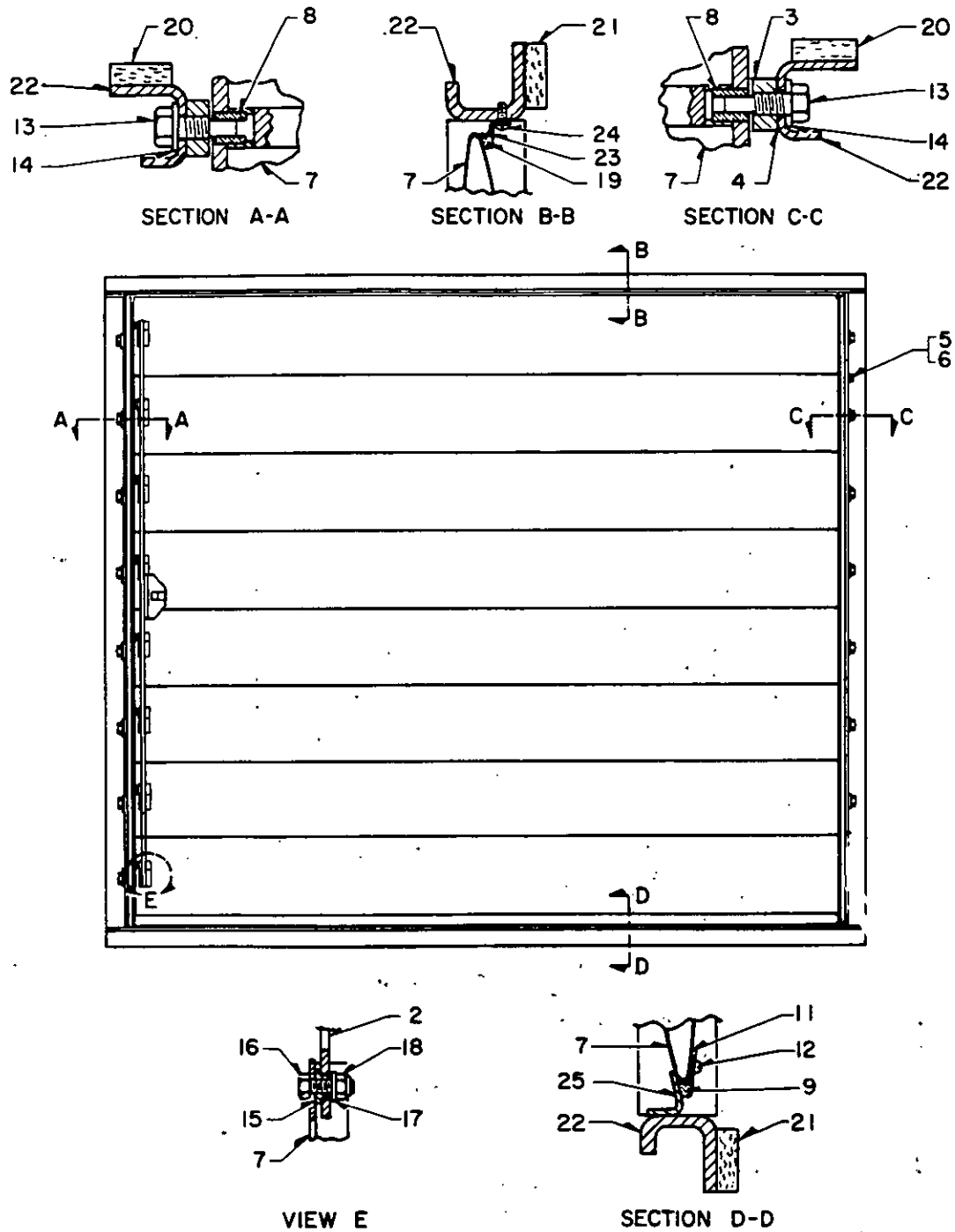
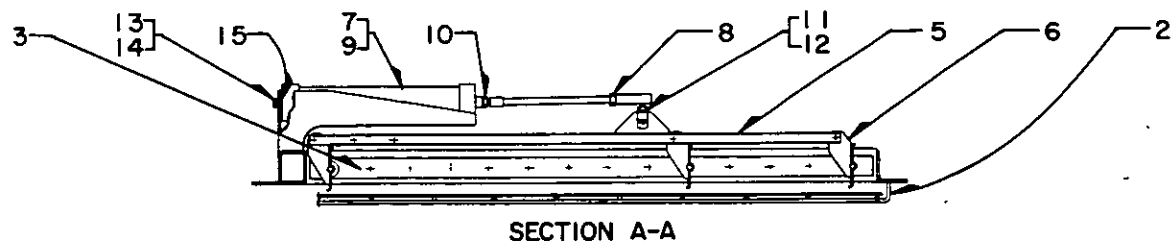


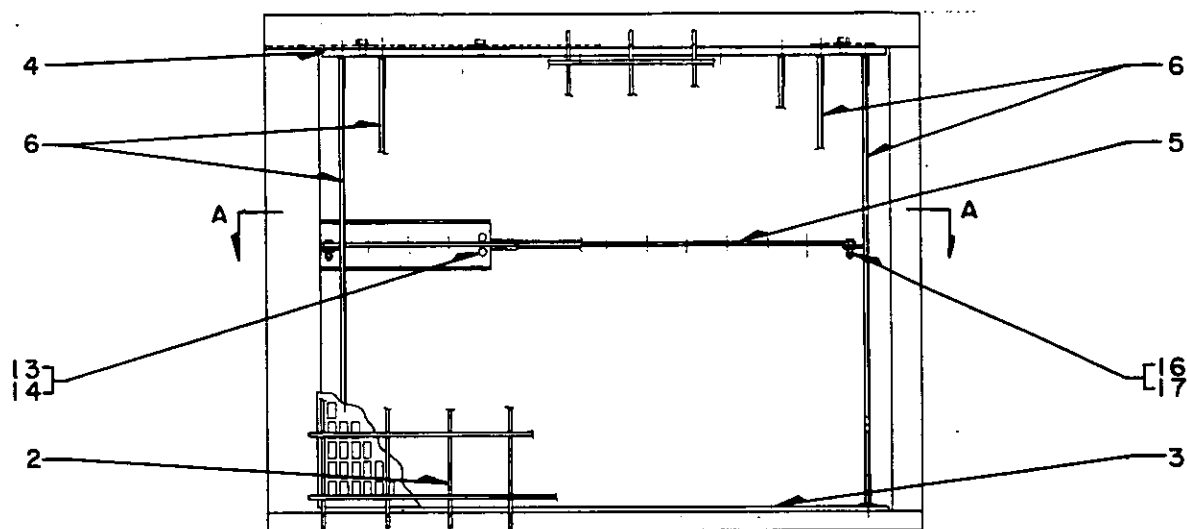
PLATE A554-E-7

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

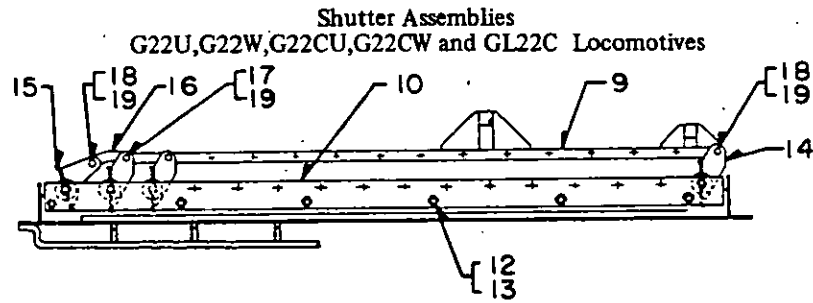
Shutter Assembly
GL18M Locomotive

SECTION A-A

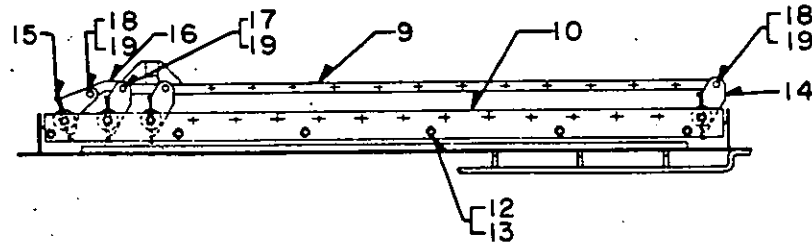
Ref. No. 1
PLATE A554-E-8

Ref. No.	Part Number	No. Req.	Description
1	9329709	1	SHUTTER ASSEMBLY .. Right and left side
2	9329686	1	GRILL ASSEMBLY .. Shutter
3	9329710	1	PAD .. Bearing bar - Bottom - Welds to frame
4	9329711	1	PAD .. Bearing bar - Top
5	9329728	1	PAD ASSEMBLY .. Air cylinder actuator
6	8447817	14	BLADE ASSEMBLY .. Shutter - 35-7/16 in. long
7	8423800	1	CYLINDER ASSEMBLY .. Air
8	8339642	1	ROD ASSEMBLY .. Operating - Incl. ball joints
9	8374008	1	CYLINDER .. Air - See P.L. 555
10	103323	1	WASHER .. Lock - 1/2
11	179880	5	BOLT .. 1/2-13 x 7/8 - Hex. head
12	103323	6	WASHER .. Lock - 1/2
13	179838	4	BOLT .. 3/8-16 x 7/8 - Hex. head
14	103321	4	WASHER .. Lock - 3/8
15	103341	2	WASHER .. Flat - 3/8
16	9081819	14	BOLT .. 5/16-18 x 1-1/4 hex. head
17	8035145	14	NUT .. Lock - 5/16-18

AUTOMATIC SHUTTERS AND OPERATING MECHANISM



Ref. Nos. 1 and 2



Ref. Nos. 5 and 6

PLATE A554-E-9

Ref. No.	Part Number	Number Required								Description
1	8382686	A	-	-	-	-	-	-	-	SHUTTER ASY. .. R.S. rear - G22W, G22CU, GL22C
2	8462355	-	B	-	-	-	-	-	-	SHUTTER ASY. .. R.S. rear - G22U, G22W, G22CU, G22CW and GL22C
* 3	8382685	-	-	C	-	-	-	-	-	SHUTTER ASY. .. L.S. rear - G22W, G22CU, GL22C
* 4	8462354	-	-	-	D	-	-	-	-	SHUTTER ASY. .. L.S. rear - G22U, G22W, G22CU, G22CW and GL22C
5	8382687	-	-	-	-	E	-	-	-	SHUTTER ASY. .. R.S. front - G22W, G22CU, GL22C
6	8462356	-	-	-	-	-	F	-	-	SHUTTER ASY. .. R.S. front - G22U, G22W, G22CU, G22CW and GL22C
* 7	8382684	-	-	-	-	-	-	G	-	SHUTTER ASY. .. L.S. front - G22W, G22CU, GL22C
* 8	8462357	-	-	-	-	-	-	-	H	SHUTTER ASY. .. L.S. front - G22U, G22W, G22CU, G22CW and GL22C
9	8382639	1	-	1	-	-	-	-	-	BAR ASY. ... Operating
9	8462337	-	1	-	1	-	-	-	-	BAR ASY. ... Operating
9	8382638	-	-	-	-	1	-	1	-	BAR ASY. ... Operating
9	8462338	-	-	-	-	-	1	-	1	BAR ASY. ... Operating
10	8382635	1	1	1	1	1	1	1	1	BAR .. Bearing - Top
* 11	8382636	1	1	1	1	1	1	1	1	BAR .. Bearing - Bottom - Welds to frame
12	9428638	5	5	5	5	5	5	5	5	BOLT.. 3/8 - 16 x 5/8 hex. head - Formerly 180120
13	120382	5	5	5	5	5	5	5	5	WASHER .. Lock - 3/8
14	8376006	12	-	-	12	12	-	-	12	BLADE ASY. ... Shutter
14	8382640	-	12	12	-	-	12	12	-	BLADE ASY. ... Shutter
15	8376007	1	-	-	1	1	-	-	1	BLADE ASY. ... Shutter
15	8382641	-	1	1	-	-	1	1	-	BLADE ASY. ... Shutter
16	8148018	1	1	1	1	1	1	1	1	LINK .. Connecting
φ 17	8375994	1	1	1	1	1	1	1	1	PIN .. Clevis - Link to blade and operating bar
φ 17	9097017	1	1	1	1	1	1	1	1	BOLT .. 5/16 - 18 x 1-1/2 hex. head
φ 18	8375993	12	12	12	12	12	12	12	12	PIN .. Clevis - Blade to link and operating bar
φ 18	9081819	12	12	12	12	12	12	12	12	BOLT .. 5/16 - 18 x 1-1/4 hex. head
φ 19	9422243	13	13	13	13	13	13	13	13	RING .. Snap
φ 19	8035145	13	13	13	13	13	13	13	13	NUT .. Lock - 5/16 - 18

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

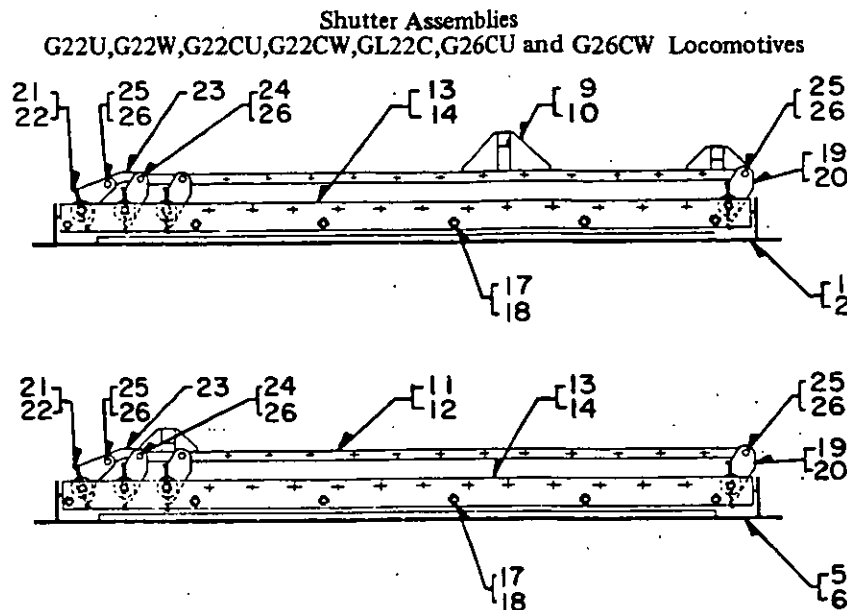


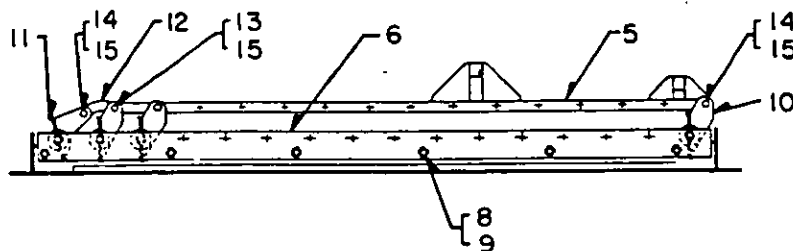
PLATE A554-E-10

Ref. No.	Part Number	Number Required								Description
1	8462355	A	-	-	-	-	-	-	-	SHUTTER ASY. ... Right side rear - G22U, G22W, G22CU, G22CW and GL22C
2	8387659	-	B	-	-	-	-	-	-	SHUTTER ASY. ... R.S. rear - G26CU, G26CW
* 3	8462354	-	-	C	-	-	-	-	-	SHUTTER ASY. ... Left side rear - G22U, G22W, G22CU, G22CW and GL22C
* 4	8387657	-	-	-	D	-	-	-	-	SHUTTER ASY. ... L.S. rear - G26CU, G26CW
5	8462356	-	-	-	-	E	-	-	-	SHUTTER ASY. ... Right side frt. - G22U, G22W, G22CU, G22CW and GL22C
6	8387660	-	-	-	-	-	F	-	-	SHUTTER ASY. ... R.S. frt. - G26CU, G26CW
* 7	8462357	-	-	-	-	-	-	G	-	SHUTTER ASY. ... Left side frt. - G22U, G22W, G22CU, G22CW and GL22C
* 8	8387658	-	-	-	-	-	-	-	H	SHUTTER ASY. ... L.S. frt. - G26CU, G26CW
9	8462337	1	-	1	-	-	-	-	-	BAR ASY. ... Operating
10	8387671	-	1	-	1	-	-	-	-	BAR ASY. ... Operating
11	8462338	-	-	-	-	1	-	1	-	BAR ASY. ... Operating
12	8387672	-	-	-	-	-	1	-	1	BAR ASY. ... Operating
13	8382635	1	-	1	-	1	-	1	-	BAR .. Bearing - Top
14	8387674	-	1	-	1	-	1	-	1	BAR .. Bearing - Top
* 15	8382636	1	-	1	-	1	-	1	-	BAR .. Bearing - Bottom - Welds to frame
* 16	8387675	-	1	-	1	-	1	-	1	BAR .. Bearing - Bottom - Welds to frame
17	9428638	5	-	5	-	5	-	5	-	BOLT .. 3/8 - 16 x 5/8 hex. head
17	180120	-	9	-	9	-	9	-	9	BOLT .. 3/8 - 16 x 1 hex. head
18	120382	5	9	5	9	5	9	5	9	WASHER .. Lock - 3/8
19	8376006	-	16	12	-	-	16	12	-	BLADE ASY. ... Shutter
20	8382640	12	-	-	16	12	-	-	16	BLADE ASY. ... Shutter
21	8376007	-	1	1	-	-	1	1	-	BLADE ASY. ... Shutter
22	8382641	1	-	-	1	1	-	-	1	BLADE ASY. ... Shutter
23	8148018	1	1	1	1	1	1	1	1	LINK .. Connecting
φ 24	8375994	1	1	1	1	1	1	1	1	PIN .. Clevis - Link to blade and operating bar
φ 24	9097017	1	-	1	-	1	-	1	-	BOLT .. 5/16 - 18 x 1-1/2 hex. head
φ 25	8375993	12	16	12	16	12	16	12	16	PIN .. Clevis - Blade to link and operating bar
φ 25	9081819	12	-	12	-	12	-	12	-	BOLT .. 5/16 - 18 x 1-1/4 hex. head
φ 26	9422243	13	17	13	17	13	17	13	17	RING .. Snap
φ 26	8035145	13	-	13	-	13	-	13	-	NUT .. Lock - 5/16 - 18

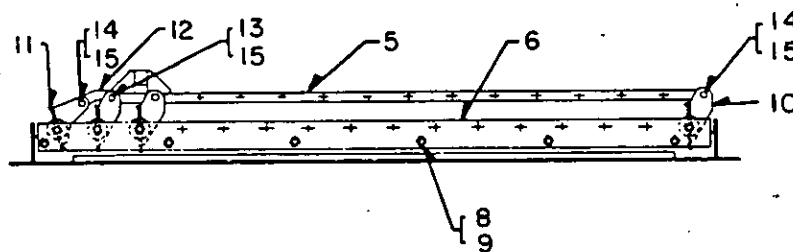
P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Shutter Assemblies
G26CU and G26CW Locomotives



Ref. No. 1



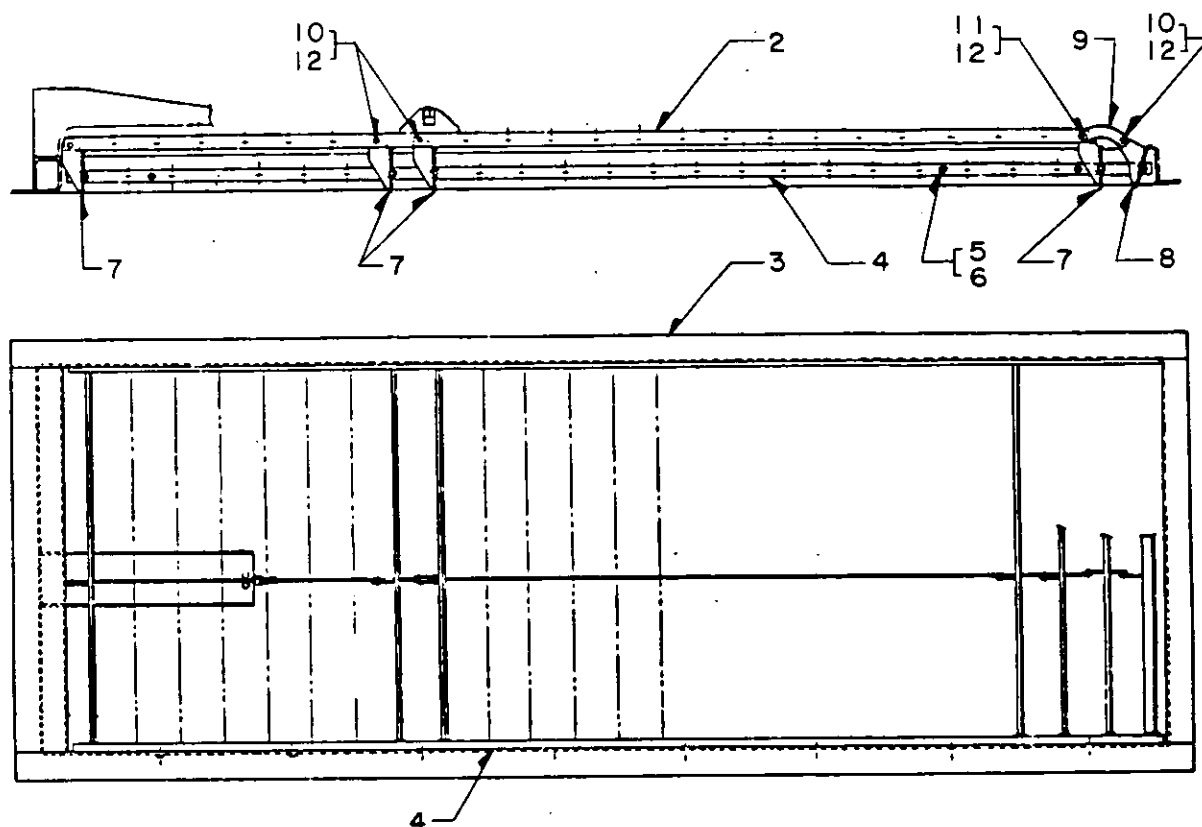
Ref. No. 3

PLATE A554-E-11

Ref. No.	Part Number	No. Req.	Description
1	8387659	A - - -	SHUTTER ASY. .. Right side rear
* 2	8387657	- B - -	SHUTTER ASY. .. Left side rear
3	8387660	- - C -	SHUTTER ASY. .. Right side front
* 4	8387658	- - - D	SHUTTER ASY. .. Left side front
5	8387671	1 1 - -	BAR ASY. ... Operating
5	8387672	- - 1 1	BAR ASY. ... Operating
6	8387674	1 1 1 1	BAR .. Bearing - Top
* 7	8387675	1 1 1 1	BAR .. Bearing - Bottom - Welds to frame
8	180120	9 9 9 9	BOLT .. 3/8 - 16 x 1 hex. head
9	120382	9 9 9 9	WASHER .. Lock - 3/8
10	8376006	16 - 16 -	BLADE ASY. ... Shutter
10	8382640	- 16 - 16	BLADE ASY. ... Shutter
11	8376007	1 - 1 -	BLADE ASY. ... Shutter
11	8382641	- 1 - 1	BLADE ASY. ... Shutter
12	8148018	1 1 1 1	LINK .. Connecting
13	8375994	1 1 1 1	PIN .. Clevis - Link to blade and operating bar
14	8375993	16 16 16 16	PIN .. Clevis - Blade to link and operating bar
15	9422243	17 17 17 17	RING .. Snap

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

Shutter Assemblies
G26CU and G26CW Locomotives

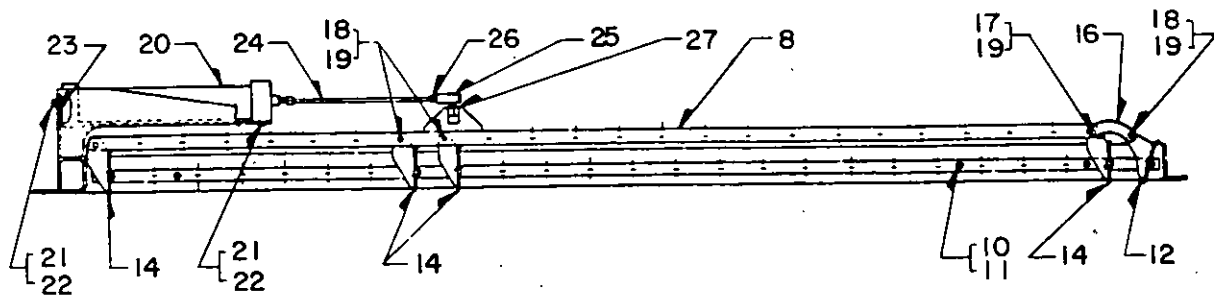


Ref. No. 1
PLATE A554-E-12

Ref. No.	Part Number	Number Required				Description
1	8485189	A	-	-	-	SHUTTER ASY. .. Right side rear - G26CU and G26CW
1	8485190	-	B	-	-	SHUTTER ASY. .. Right side front - G26CU and G26CW
1	8485191	-	-	C	-	SHUTTER ASY. .. Left side rear - G26CU and G26CW
1	8485192	-	-	-	D	SHUTTER ASY. .. Left side front - G26CU and G26CW
2	8485188	1	-	1	-	BAR ASSEMBLY .. Operating
2	8387672	-	1	-	1	BAR ASSEMBLY .. Operating
3	8387674	1	1	1	1	BAR .. Bearing - Top
4	8387675	1	1	1	1	BAR .. Bearing - Bottom
5	9428638	9	9	9	9	BOLT .. Bar to frame - 3/8-16 x 5/8 hex. head
6	120382	9	9	9	9	WASHER .. Lock - 3/8
7	8382640	16	16	-	-	BLADE ASSEMBLY .. Shutter - 35-3/16 in. long
7	8376006	-	-	16	16	BLADE ASSEMBLY .. Shutter - 35-3/16 in. long
8	8382641	1	1	-	-	BLADE ASSEMBLY .. Shutter - 35-3/16 in. long
8	8376007	-	-	1	1	BLADE ASSEMBLY .. Shutter - 35-3/16 in. long
9	8148018	1	1	1	1	LINK .. Connecting
φ10	8375993	16	16	16	16	PIN .. Clevis - Link to blade and operating bar
φ10	9081819	16	16	16	16	BOLT .. 5/16-18 x 1-1/4 hex. head
φ11	8375994	1	1	1	1	PIN .. Clevis - Link to blade and operating bar
φ11	9097017	1	1	1	1	BOLT .. 5/16-18 x 1-1/2 hex. head
φ12	9422243	17	17	17	17	RING .. Snap
φ12	8035145	17	17	17	17	NUT .. Lock - 5/16 - 18

P.L. No. A554-E

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

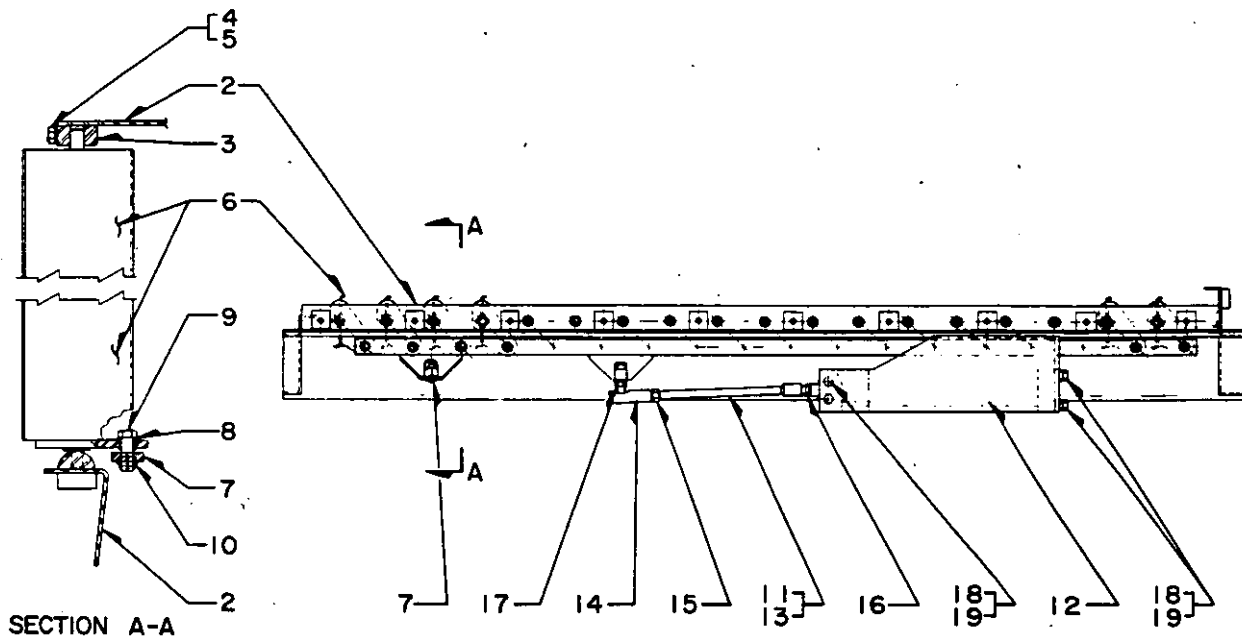
Shutter Assemblies
JT22CW and GT26CW LocomotivesRef. No. 1,3 and 5
PLATE A554-E-13

Ref. No.	Part Number	Number Required					Description	
1	9310732	A	-	-	-	-	SHUTTER ASY. .. Incl. grill - 2 ft. 3-1/8 in. x 8 ft. 7-3/8 in. - L.S.	JT22CW Loco's.
* 2	9310733	B	-	-	-	-	SHUTTER ASY. .. Incl. grill - 2 ft. 3-1/8 in. x 8 ft. 7-3/8 in. - R.S.	
3	8454004	C	-	-	-	-	SHUTTER ASY. .. Incl. grill - 2 ft. 6-5/8 in. x 6 ft. 2-1/2 in. - L.S.F.	
* 4	8454005	D	-	-	-	-	SHUTTER ASY. .. Incl. grill - 3 ft. 3-5/32 in. x 6 ft. 2-1/2 in. - Left side rear - Right side front and rear	GT26CW Loco's
5	8448088	E	-	-	-	-	SHUTTER ASY. .. Incl. grill - 2 ft. 6-5/8 in. x 6 ft. 8-7/8 in. - L.S.F.	
* 6	8448089	F	-	-	-	-	SHUTTER ASY. .. Incl. grill - 3 ft. 3-1/8 in. x 6 ft. 8-7/8 in. - Left side rear - Right side front and rear	
* 7	8206727	-	-	3	3	2	3	HINGE .. Half - Includes pin
8	9310738	1	1	-	-	-	-	BAR ASY. .. Operating
8	8454012	-	-	1	1	-	-	BAR ASY. .. Operating
8	8447814	-	-	-	-	1	1	BAR ASY. .. Operating
9	9310737	1	1	-	-	-	-	BAR .. Bearing - Welds to frame
9	8454010	-	-	1	1	-	-	BAR .. Bearing - Top - Welds to frame
9	8447760	-	-	-	-	1	1	BAR .. Bearing - Top - Welds to frame
10	179880	11	11	8	8	8	8	BOLT .. Bar to frame - 1/2 - 13 x 7/8 hex. head
11	103323	11	11	8	8	8	8	WASHER .. Lock - 1/2
12	9081822	1	-	-	-	-	-	BLADE ASY. .. Shutter - 23-5/16 in. long
12	8447816	-	-	1	-	1	-	BLADE ASY. .. Shutter - 26-29/32 in. long
* 13	9081821	-	-	1	-	-	-	BLADE ASY. .. Shutter - 23-5/16 in. long
* 13	8447815	-	-	-	-	1	-	BLADE ASY. .. Shutter - 35-7/16 in. long
14	9081823	31	-	-	-	-	-	BLADE ASY. .. Shutter - 23-5/16 in. long
14	8447818	-	-	23	-	24	-	BLADE ASY. .. Shutter - 29-29/32 in. long
* 15	9081820	-	-	31	-	-	-	BLADE ASY. .. Shutter - 23-5/16 in. long
* 15	8447817	-	-	-	-	23	-	BLADE ASY. .. Shutter - 35-7/8 in. long
16	8148018	1	1	1	1	1	1	LINK .. Connecting
17	9097017	1	1	-	-	-	-	BOLT .. Link to blade and operating bar
17	8375994	-	-	1	1	1	1	PIN .. Clevis - Link to blade and operating bar
18	9081819	31	31	-	-	-	-	BOLT .. Blade to link and operating bar
18	8375993	-	-	23	23	24	24	PIN .. Clevis - Blade to link and operating bar
19	8035145	32	32	-	-	-	-	NUT .. Lock - 5/16 - 18 hex.
19	9422243	-	-	24	24	25	25	RING .. Snap
20	8374008	1	1	1	1	1	1	CYLINDER ASY. .. Air - Replaces 8370271 - See P.L. 555
21	179838	4	4	4	4	4	4	BOLT .. Cylinder to frame - 3/8 - 16 x 7/8 hex. head
22	103321	4	4	4	4	4	4	WASHER .. Lock - 3/8
23	103341	2	2	2	2	2	2	WASHER .. Plain - 13/32 I.D.
24	8339642	1	1	1	1	1	1	ROD ASY. .. Operating - Includes ball joints
25	442721	1	1	1	1	1	1	JOINT .. Ball
26	103028	1	1	1	1	1	1	NUT .. Ball joint locking - 1/2 - 20 hex.
27	103323	1	1	1	1	1	1	WASHER .. Lock - 1/2

9313303

AUTOMATIC SHUTTERS AND OPERATING MECHANISM

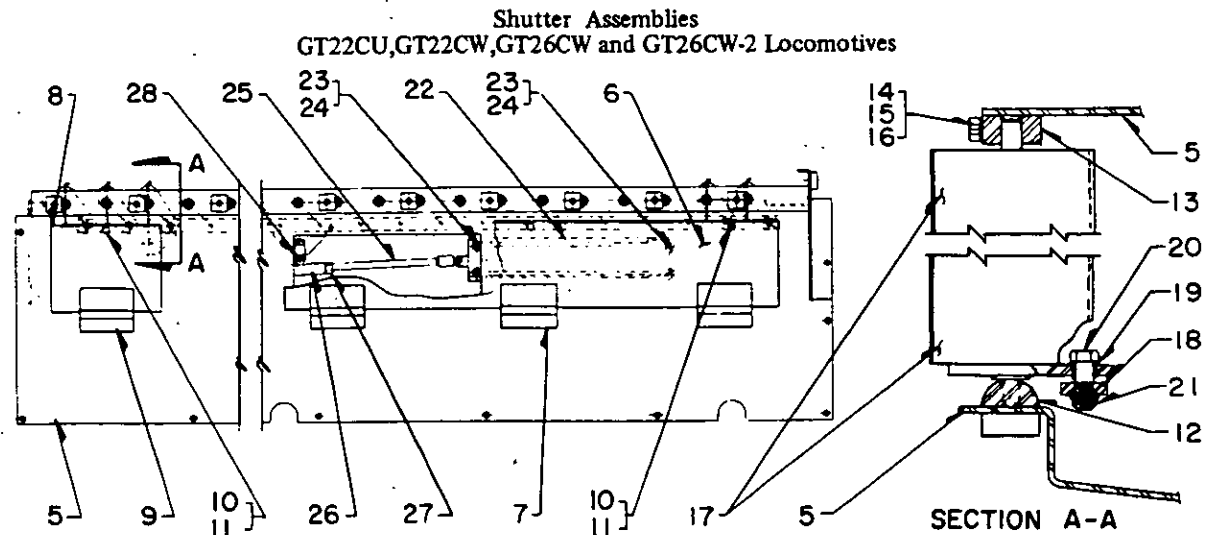
Shutter Assemblies
JT22CW-2 Locomotive



Ref. No. 1
PLATE A554-E-14

Ref. No.	Part Number	No. Req.	Description
1	9339417	A -	SHUTTER ASSEMBLY .. Right side front and left side rear
* 1	9339416	- B	SHUTTER ASSEMBLY .. Left side front and right side rear
2	9339312	1 -	FRAME ASSEMBLY .. Shutter
* 2	9339313	- 1	FRAME ASSEMBLY .. Shutter
3	8472046	1 1	BAR .. Bearing - Top - Outer
4	179820	9 9	BOLT .. Top outer bearing bar to top inner bearing bar - 5/16-18 x 1-1/4 hex. hd.
5	103320	9 9	WASHER .. Lock - 5/16
6	8470664	18 18	BLADE ASSEMBLY .. Shutter
7	8472111	1 -	BAR ASSEMBLY .. Operating
* 7	8472110	- 1	BAR ASSEMBLY .. Operating
8	8465388	18 18	BEARING .. .3765 I.D. x .502 O.D. x 3/8 in. long - 5/8 in. dia. flange
9	8465805	18 18	BOLT .. Blade pivot - 5/16-24 x 1-1/16 hex. head - Special
10	6530454	18 18	NUT .. Spline - 5/16-24
11	8423800	1 -	CYLINDER ASSEMBLY .. Air
12	8374008	1 -	CYLINDER .. Air - See P.L. 555
13	8339642	1 -	ROD ASSEMBLY .. Operating - Incl. ball joints
14	442721	1 -	JOINT .. Ball
15	103028	1 -	NUT .. Ball joint locking - 1/2-20 hex.
16	103323	1 -	WASHER .. Lock - 1/2
17	103323	1 -	WASHER .. Lock - 1/2
18	179837	4 -	BOLT .. Air cylinder to frame - 3/8-16 x 3/4 hex. head
19	103321	4 -	WASHER .. Lock - 3/8

AUTOMATIC SHUTTERS AND OPERATING MECHANISM



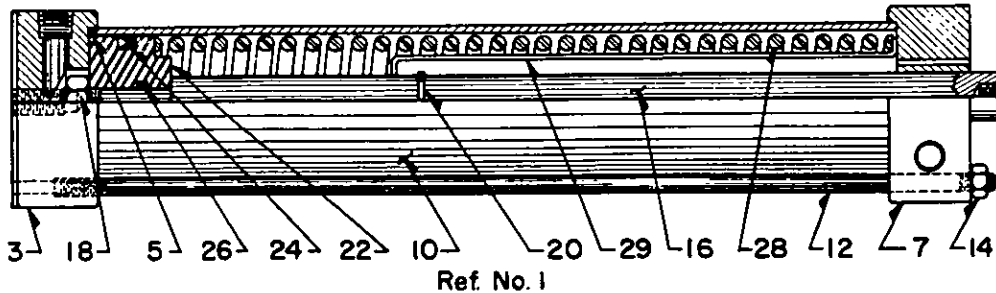
Ref. No.	Part Number	Number Required	Description	
1	8472146	A - - -	SHUTTER ASY. ... Right side front and left side rear	GT22CU and GT22CW Loco's GT26CW and GT26CW-2 Loco's
* 2	8472147	- B - - -	SHUTTER ASY. ... Left side front and right side rear	
3	8475842	- - C - -	SHUTTER ASY. ... Right side front and left side rear	
* 4	8476061	- - - D -	SHUTTER ASY. ... Left side front and right side rear	
5	8471898	1 - - -	FRAME ASY. ... Shutter	
* 5	8471897	- 1 - -	FRAME ASY. ... Shutter	
5	8475676	- - 1 - -	FRAME ASY. ... Shutter	
* 5	8475964	- - - 1 -	FRAME ASY. ... Shutter	
6	8472316	1 - 1 - -	DOOR ASY. ... Access - Air cylinder	
7	8370413	3 - 3 - -	HINGE .. Door - Welds to door and frame	
8	8472314	1 1 1 1	DOOR ASY. ... Access - Operating rod	
9	8370413	1 1 1 1	HINGE .. Door - Welds to door and frame	
10	179837	4 1 4 1	BOLT .. Door retaining - 3/8 - 16 x 3/4 hex. head	
11	103321	4 1 4 1	WASHER .. Lock - 3/8	
12	8472237	1 1 - -	BAR .. Bearing - Bottom - Welds to frame	
12	8475670	- - 1 1	BAR .. Bearing - Bottom - Welds to frame	
13	8472047	1 1 - -	BAR .. Bearing - Top - Inner - Welds to frame	
13	8475672	- - 1 1	BAR .. Bearing - Top - Inner - Welds to frame	
14	8472046	1 1 - -	BAR .. Bearing - Top - Outer	
14	8475671	- - 1 1	BAR .. Bearing - Top - Outer	
15	179820	9 9 14 14	BOLT .. Top outer bearing bar to top inner bearing bar - 5/16 - 18 x 1-1/4 hex hd.	
16	103320	9 9 14 14	WASHER .. Lock - 5/16	
17	8470664	18 18 27 27	BLADE ASY. ... Shutter	
18	8472111	1 - - -	BAR ASY. ... Operating	
* 18	8472110	- 1 - -	BAR ASY. ... Operating	
18	8475762	- - 1 -	BAR ASY. ... Operating - Formerly 8476762	
* 18	8475991	- - - 1	BAR ASY. ... Operating	
19	8465388	18 18 27 27	BEARING .. .3765 I.D. x .502 O.D. x 3/8 in. long - 5/8 in. dia. flange	
20	8465805	18 18 27 27	BOLT .. Blade pivot - 5/16 - 24 x 1-1/16 hex.head - Special - Formerly 8465804	
21	6530454	18 18 27 27	NUT .. Spline - 5/16 - 24	
22	8374008	1 - 1 -	CYLINDER ASY. ... Air - See P.L. 555	
23	179837	4 - 4 -	BOLT .. Air cylinder to frame - 3/8 - 16 x 3/4 hex. head	
24	103321	4 - 4 -	WASHER .. Lock - 3/8	
25	8339642	1 - 1 -	ROD ASY. ... Operating - Incl. ball joints	
26	442721	1 - 1 -	JOINT .. Ball	
27	103028	1 - 1 -	NUT .. Ball joint locking - 1/2 - 20 hex.	
28	103323	1 - 1 -	WASHER .. Lock - 1/2	

Parts List No. A555-E

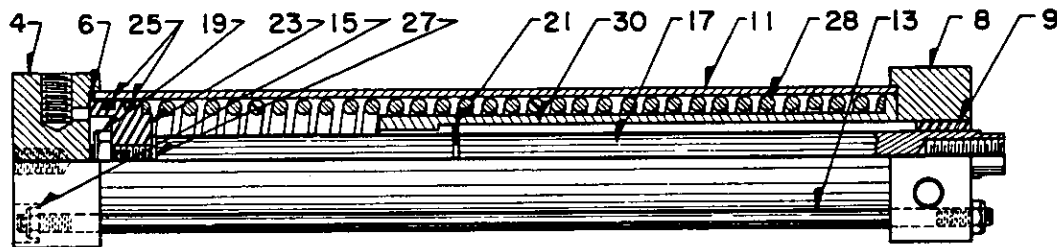
AIR CYLINDER

Shutter Operating Air Cylinder Assembly

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW, JT22CW, JT22CW-2, G26CU, G26CW, GT26CU, GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1



Ref. No. 2

PLATE A555-E-1

Ref. No.	Part Number	No. Req.	Description
1	8370271	1	CYLINDER ASSEMBLY .. Air - 2 in. bore - 3-1/2 in. push stroke - 15-1/8 in. overall length (Hanna) - Replaced by 8374008
2	8374008	1	CYLINDER ASSEMBLY .. Air - 2 in. bore - 3-1/2 in. push stroke - 15-1/8 in. overall length (Catching) - Replaces 8370271
3	8347514	1	HEAD .. Cylinder - Back
4	8381403	1	CAP .. Cylinder - Back
5	8110179	1	GASKET .. Back cyl. head to tube - 2 I.D. x 2-1/8 O.D. x .035 in. - Velliumoid
6	8381473	2	SEAL .. Back cyl. cap to tube - 1.931 I.D. x 2-1/8 O.D. x .0312 in. - Nylon
7	8347513	1	HEAD .. Cylinder - Front
8	8381404	1	HEAD .. Cylinder - Front
9	8381471	1	BUSHING .. Front head - 3/4 I.D. x 1 O.D. x 3/4 in. long - Bronze
10	8347508	1	TUBE .. Air cylinder - 2 I.D. x 2-1/4 O.D. x 12-11/32 in. long - Brass
11	8381402	1	TUBE .. Air cylinder - 1.995 O.D. x 2-1/8 O.D. x 12-5/16 in. long - Brass
12	8347511	4	ROD .. Tie - 14-5/16 in. long - 1/4-28 thread both ends
13	8381396	4	ROD .. Tie - 14-7/8 in. long - 1/4-20 thread both ends
14	274634	4	NUT .. Lock - Tie rod - 1/4-28 hex.
15	8381472	8	NUT .. Lock - Tie rod - 1/4-20 hex.
16	8347512	1	ROD .. Piston
17	8381401	1	ROD .. Piston
18	274636	1	NUT .. Lock - Piston rod - 7/16-20 hex.
19	8381468	1	NUT .. Lock - Piston rod - 3/8-24 hex.
20	8347517	1	RING .. Retaining - Piston rod
21	8381398	1	RING .. Retaining - Piston rod
22	8366525	1	PISTON .. Air cylinder
23	8381399	1	PISTON .. Air cylinder
24	8321291	1	PACKING .. Piston - 1-5/8 I.D. - Rubber
25	8381469	2	SEAL .. Piston - 1.56 I.D. - Rubber
26	8366524	1	RING .. "O" - Piston to rod seal - 7/16 I.D. x 9/16 O.D.
27	8381470	1	GASKET .. Piston to rod - .375 I.D. x .656 O.D. x .0156 in. - Copper
28	8381400	1	SPRING .. Piston - 1.851 O.D. - 14-13/16 in. free length = 32 turns - Repl. 8346002
29	8347510	1	GUIDE .. Spring
30	8381397	1	TUBE .. Stop - Spring guide

† No longer available. Recommend using complete Cylinder Assembly 8374008.

FUEL SYSTEM EQUIPMENT

Fuel Tanks, Gauges and Fillers - Reference List

G18U,G18W,GL18M,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,JT22CW,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

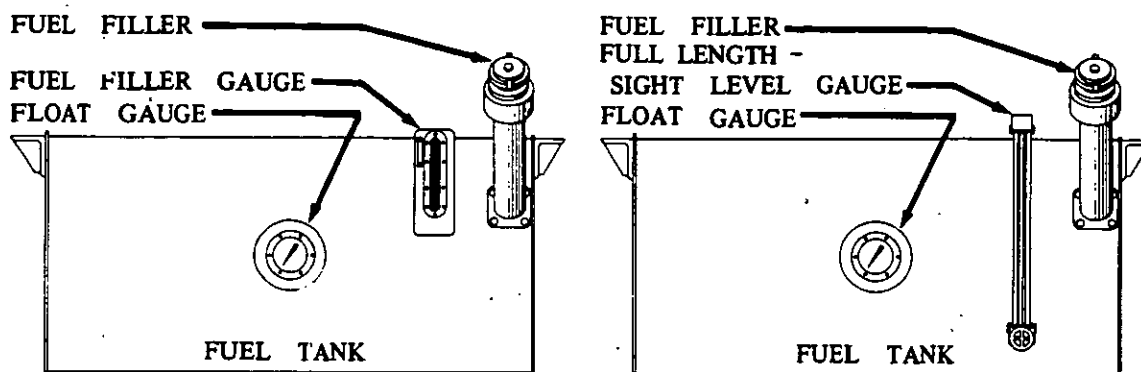


PLATE C750-E-1

Fuel Tanks listed below do not include Gauges or Fillers. When ordering Fuel Tank, specify Customer Name, Locomotive Model, LXO Number and Road Number.

Ref. No.	Locomotive Model	Fuel Tank Assembly	Full Length Sight Gauge See Pgs. 4 & 5	Float Gauge See Page 6	Fuel Filler Gauge Hsg. See Page 6	Fuel Filler See Page 7
500 GALLON/1893 LITERS CAPACITY FUEL TANK						
1	G18U,G18W	8424404	8383728	----	----	8094697
2	G18W	9317474	8383728 9334979	----	----	8094697
3	G18U	8428423	8383728 9334979	----	----	8094697
750 GALLON/2839 LITERS CAPACITY FUEL TANK						
4	G22CU,G22CW GL22C,G26CW	†8383514	8383728	----	----	8094697
5	G22CU,G22CW GL22C,G26CU	†8461797	8383728 9334979	----	----	8094697
6	G18U	8477089	8477886	----	----	8094697
7	G18W	8496259	8477886	----	----	8094697
8	JT22CW-2	9500099	----	9501207	8338908	8094697
9	G18U	9319694	8383728 9334979	----	----	8094697
10	JT22CW	9098669	----	9099659	----	8227067

† Mounting Angle holes 12 in. apart at each corner of tank.

‡ Mounting Angle holes 24 in. apart at each corner of tank.

P.L. No. D750 - E

FUEL SYSTEM EQUIPMENT

Fuel Tanks, Gauges and Fillers - Reference List

Ref. No.	Locomotive Model	Fuel Tank Assembly	Full Length Sight Gauge See Pgs. 4 & 5	Float Gauge See Page 6	Fuel Filler Gauge Hsg. See Page 6	Fuel Filler See Page 7
800 GALLON/3020 LITERS CAPACITY FUEL TANK						
11	GL18M	9329382	8383728	----	----	8094697
1000 GALLON/3785 LITERS CAPACITY FUEL TANK						
12	G22CU,G22CW	8469620	8383728	----	----	8373156
13	G26CU	8498572	8383728	----	----	8094697
14	G22W,GL22C	9088398	8282728 9334979	----	----	8094697
15	G22CW	9317563	8383728 9334979	----	----	8094697
1500 GALLON/5678 LITERS CAPACITY FUEL TANK						
16	G26CW	9326628	8383728	----	----	8094697
1600 GALLON/6057 LITERS CAPACITY FUEL TANK						
17	GT22CU, GT26CW-2	8471106	8383728	----	----	8094697
18	GT22CW	8471106	8383728	----	8159347	8204768
19	GT26CW-2	8475448	8383728	----	8159347	8176743
20	G26CU	8478331	8383728	----	8159347	8094697
21	GT22CU	8473700	8383728	----	----	8094697
22	G26CW	8487369	8383728	----	8159347	8094697
1700 GALLON/6435 LITERS CAPACITY FUEL TANK						
23	GT26CW	8449967	8268250	----	8338907	8094697
24	GT26CW-2	9081441	8383728 9334979	----	----	8094697
2000 GALLON/7571 LITERS CAPACITY FUEL TANK						
25	GT26CW	8444253	----	8446828	8338907	8094697
26	GT26CU-2	8485978	8485315	----	8159347	8094697
27	GT26CW	9082112	----	8473943	8338907	8094697
28	GT26CW-2	9090259	9087796-R. 9087797-L.	----	----	8094697
2600 GALLON/9841 LITERS CAPACITY FUEL TANK						
29	GT26CW	9093919	8268250 9335672	----	8338908	9094697

P.L. No. D750 - E

FUEL SYSTEM EQUIPMENT

Fuel Tank Mounting Hardware

All Locomotive Models

(Not Illustrated)

Ref. No.	Part Number	No. Req.	Description
1	9427520	A.R.	BOLT .. 1-1/2-6 x 9 in. long - Hex. head
2	8446548	A.R.	BOLT PAD ASY. .. 1-1/2 x 8-1/4 in. long - 1/8 x 45° chamfered thread - Incl. spacer
3	8451152	A.R.	BOLT PLATE ASY. .. 1-1/2-6 x 8 in. long - Hex. head - Includes spacer and cover
4	9431632	A.R.	BOLT .. 1-1/2-6 x 8 in. - Hex. head
5	9433372	A.R.	BOLT .. 1-1/2-6 x 7 in. - Hex. head
6	9422436	A.R.	BOLT .. 1-1/4-7 x 7 in. long - Hex. head
7	9427881	A.R.	BOLT .. 1-1/4-7 x 6-1/2 in. long - Hex. head
8	9423349	A.R.	BOLT .. 1-1/4-7 x 6 in. long - Hex. head
9	8354327	A.R.	BOLT .. 1-1/4-7 x 5-1/2 in. long - Hex. head
10	273177	A.R.	BOLT .. 1-1/4-7 x 3-1/2 in. long - Hex. head
11	271549	A.R.	BOLT .. 1-8 x 2-1/2 in. long - Hex. head
12	271701	A.R.	BOLT .. 1-8 x 2-3/4 in. long - Hex. head
13	9080428	A.R.	PAD .. Spacer - 2-1/4 x 3 x 3 in. - (1) 9/16 dia. hole
14	8495856	A.R.	PAD .. Spacer - 1-3/4 x 3 x 3 in. - (1) 1-9/16 dia. hole
15	8396850	A.R.	PAD .. Spacer - 1-3/4 x 3 x 3 in. - (1) 1-5/16 dia. hole
16	8388611	A.R.	PAD .. Spacer - 1-1/2 x 6 x 8 in. - (2) 1-5/16 dia. holes
17	8461167	A.R.	PAD .. Spacer - 1-1/4 x 3 x 3 in. - (1) 1-9/16 dia. hole
18	8446549	A.R.	PAD .. Spacer - 1-1/4 x 3 x 10-3/8 in. - (1) 1-9/16 dia. hole - (1) 1-11/16 dia. hole
19	8451146	A.R.	PAD .. Spacer - 1-1/4 x 2-1/2 x 11-1/2 in. - (2) 1-9/16 dia. holes
20	8369561	A.R.	PAD .. Spacer - 1-1/4 x 3 x 3 in. - (1) 1-5/16 dia. hole
21	8470976	A.R.	PAD .. Spacer - 1 x 3 x 3 in. - 3/8 x 45° chamfer - (1) 1-17/32 dia. hole
22	8392417	A.R.	PAD .. Spacer - 1 x 3 x 3 in. - (1) 1-9/32 dia. hole - 9/16 x 45° chamfer
23	8451147	A.R.	PAD .. Spacer - 1 x 5 x 7 in. - (2) 11/16 dia. holes
24	8451148	A.R.	PAD .. Spacer - 3/4 x 3-1/4 x 4-1/2 in. - (1) 1-5/8 dia. hole
25	8388609	A.R.	PAD .. Spacer - 3/4 x 3 x 3 in. - 9/16 x 45° chamfer - (1) 1-17/32 dia. hole
26	8446551	A.R.	PAD .. Spacer - 3/4 x 3 x 3-1/4 in. - 9/16 x 45° chamfer - (1) 1-21/32 dia. hole
27	8364117	A.R.	PAD .. Spacer - 3/4 x 3 x 3 in. - (1) 1-9/16 dia. hole
28	8446550	A.R.	PAD .. Spacer - 3/4 x 3 x 3-1/4 in. - 9/16 x 45° chamfered - (1) 1-17/32 dia. hole
29	8451151	A.R.	PAD .. Spacer - 3/4 x 3-1/4 x 11 in. - 9/16 x 45° chamfer - (2) 1-17/32 dia. holes
30	8369562	A.R.	PAD .. Spacer - 3/4 x 3 x 3 in. - 5/8 x 45° chamfer - (1) 1-9/32 dia. hole
31	8395432	A.R.	PAD .. Spacer - 3/4 x 4-1/2 x 7 in. - (2) 1-1/16 dia. hole
32	8354342	A.R.	PAD .. Spacer - 1/2 x 3 x 3 in. - (1) 1-5/16 dia. hole
33	8383619	A.R.	PAD .. Spacer - 3/8 x 3 x 3 in. - (1) 1-7/16 dia. hole
34	8383620	A.R.	SHIM .. "U" shaped - 11 ga. x 3 x 3 in.
35	8383621	A.R.	SHIM .. "U" shaped - 16 ga. x 3 x 3 in.
36	8383622	A.R.	SHIM .. "U" shaped - 20 ga. x 3 x 3 in.
37	8355363	A.R.	SHIM .. "U" shaped - 11 ga. x 3 x 4 in.
38	8355364	A.R.	SHIM .. "U" shaped - 16 ga. x 3 x 4 in.
39	8355365	A.R.	SHIM .. "U" shaped - 20 ga. x 3 x 4 in.
40	9416572	A.R.	NUT .. Lock - 1-1/2-6 hex.
41	9416568	A.R.	NUT .. Lock - 1-1/4-7 hex.
42	8369574	A.R.	PLATE .. Lock ing - 14 ga. x 1-1/2 x 5-1/4 in. - (2) 1-1/16 dia. holes
43	8388612	A.R.	PLATE .. Locking - 14 ga. x 1-3/4 x 6-3/8 in. - (2) 1-5/16 dia. holes

P.L. No. D750-E

FUEL SYSTEM EQUIPMENT

Full Length Fuel Sight Level Gauge

G18U,G18W,GL18M,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE D750-E-2

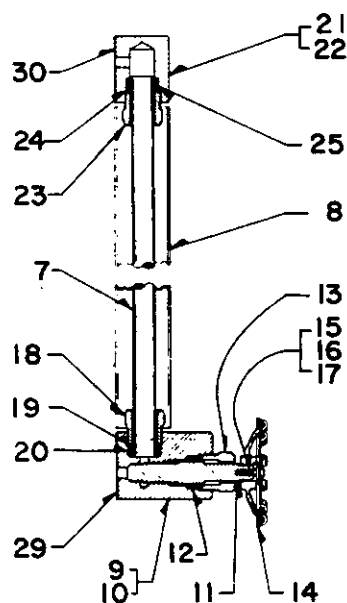


PLATE D750-E-2

Ref. No.	Part Number	Number Required	Description
1	8268250	A - - -	GAUGE .. Fuel Level - GT26CW
2	9335672	B - - -	GAUGE .. Fuel Level - GT26CW
* 3	8383728	- C - -	GAUGE .. Fuel Level - G18U,G18W,GL18M,G22W, G22CU,G22CW,GL22C,GT22CU,GT22CW,G26CU, G26CW,GT26CW-2
* 4	9334979	- D - -	GAUGE .. Fuel Level - G18U,G18W,G22W,G22CU, G22CW,GL22C,G26CU,GT26CW-2
* 5	8477886	- - E -	GAUGE .. Fuel Level - G18U,G18W
* 6	8485315	- - F -	GAUGE .. Fuel Level - GT26CU-2
7	8268246	1 - - -	TUBE .. Glass - 5/8 O.D. x 28-3/8 in. long
* 7	8245707	- 1 - -	TUBE .. Glass - 5/8 O.D. x 30-3/4 in. long
* 7	8477891	- - 1 -	TUBE .. Glass - 5/8 O.D. x 32 in. long
* 7	8485313	- - - 1	TUBE .. Glass - 5/8 O.D. x 33-3/4 in. long
8	8268245	1 - - -	GUARD .. Glass tube - 27-3/4 in. mtg. centers
* 8	8399676	- 1 - -	GUARD .. Glass tube - 30 in. mtg. centers
* 8	8477892	- - 1 -	GUARD .. Glass tube - 31-5/8 in. mtg. centers
9	8195967	1 1 1 1	BLOCK ASSEMBLY .. Gauge - Lower
10	8161168	1 1 1 1	BLOCK .. Gauge mounting
11	8161169	1 1 1 1	STEM .. Valve
12	8175384	1 1 1 1	RING .. Seal - Valve stem
13	8161175	1 1 1 1	NUT .. Cap - Valve stem
14	8162329	1 1 1 1	WHEEL .. Valve
15	110500	1 1 1 1	SCREW .. Machine - 10 - 24 x 1/2 in. Rd. Hd.
16	106497	1 1 1 1	WASHER .. Lock - No. 10
17	106260	1 1 1 1	WASHER .. Plain - 1/4
18	8161174	1 1 1 1	NUT .. Cap - Sight glass tube
19	8120777	1 1 1 1	WASHER .. Fiber
20	8120779	1 1 1 1	WASHER .. Rubber
21	8195968	1 1 1 1	BLOCK ASSEMBLY .. Gauge - Upper
22	8161167	1 1 1 1	BLOCK .. Gauge mounting
23	8161174	1 1 1 1	NUT .. Cap - Sight glass tube
24	8120777	1 1 1 1	WASHER .. Fiber
25	8120779	1 1 1 1	WASHER .. Rubber
* 26	179812	4 4 4 -	BOLT .. Guard mtg. - 5/16 - 18 x 1/2 hex. head
* 27	103320	2 2 2 -	WASHER .. Lock - 5/16
* 28	446362	2 2 2 -	WASHER .. Plain - 3/8 I.D.
29	8161254	1 1 1 1	GASKET .. Lower block mounting
30	8161253	1 1 1 1	GASKET .. Upper block mounting
* 31	186282	2 2 2 2	BOLT .. Lower block mounting - 3/8 - 16 x 3-1/4 hex. head
* 32	179487	2 2 2 2	BOLT .. Upper block mounting - 3/8 - 16 x 2 hex. head
* 33	103321	4 4 4 4	WASHER .. Lock - 3/8

**Gauges ref. no's 1 and 2, and gauges ref. no's 3 and 4, are identical except ref. no's 1 and 3 have red stripe on glass facing right of handwheel, while ref. no's 2 and 4 have red stripe on glass facing left of handwheel.*

P.L. No. D750-E

FUEL SYSTEM EQUIPMENT

Full Length Fuel Sight Level Gauge - Nathan Glo-Rod
GT26CW-2 Locomotives

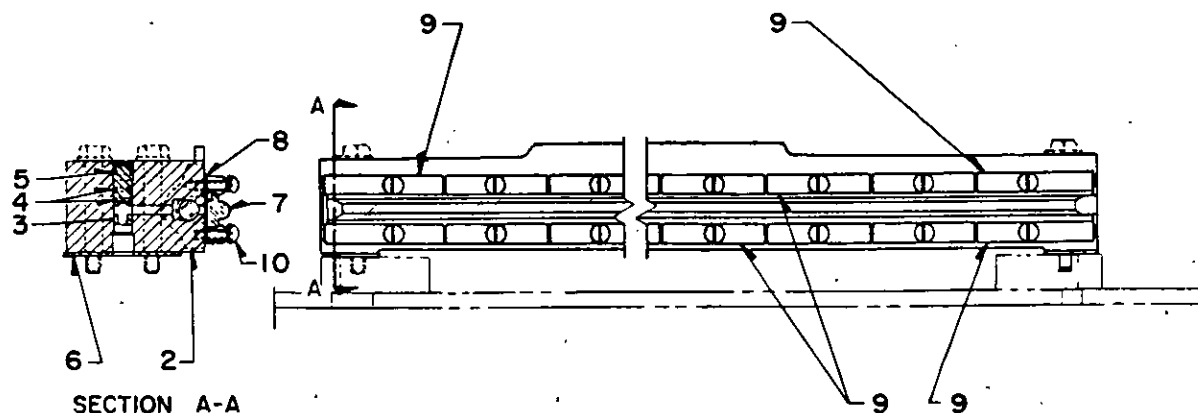


PLATE D750 - E - 3

Ref. No.	Part Number	No. Req.	Description
1	9087796	A	- GAUGE .. Right side - 2000 Gallon/7571 liters tank
* 1	9087797	B	GAUGE .. Left side - 2000 Gallon/7571 liters tank
2		1	BODY .. Gauge - 32 in. mounting centers
2		1	BODY .. Gauge - 32 in. mounting centers
3	8208497	2	2 VALVE .. Shut off
4	8182947	4	4 RING .. "O" - Shut off valve seal
5	455973	2	2 PIN .. Spring - 1/8 x 1-3/4 in. long
6		2	2 GASKET .. Body to fuel tank
7		1	1 WINDOW .. Glo-rod
8		1	1 GASKET .. Glo-rod window
9	8182943	26	26 FRAME .. Window retaining
10	420994	26	26 FASTENER .. 1/4 - 20 x 7/8 Rd. hd. with washer
*11	186282	2	2 BOLT .. 3/8 - 16 x 3-1/4 hex. head
*12	179851	2	2 BOLT .. 3/8 - 16 x 3 hex. head
*13	103321	4	4 WASHER .. Lock - 3/8
*14	9087798	1	1 VALVE .. Automatic cutoff - With spacers

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AUGUST, 1980

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D750-E

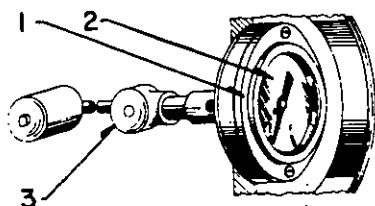
P.L. No. D750-E

FUEL SYSTEM EQUIPMENT

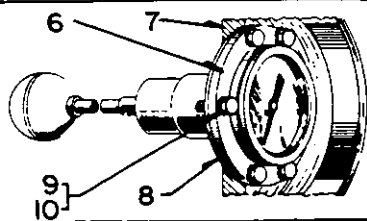
Float Type And Underframe Mounted Fuel Level Gauges
 GA18,GT22CW,JT22CW,GT22CW-2,G26CU,G26CW,
 GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE D750-E4

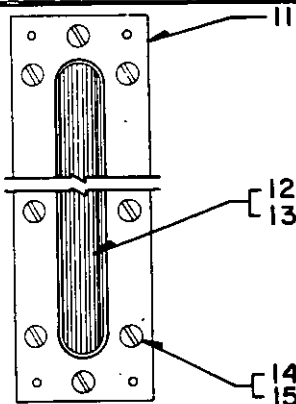
Ref. No.	Part Number	No. Req.	Description
FUEL LEVEL GAUGE - Float Type (Rochester)			
* 1	9099659	1 -	GAUGE .. Dial reading - 750 Gallon tank - JT22CW
* 1	9501207	- 1 -	GAUGE .. Dial reading - 750 Gallon tank - JT22CW-2
1	8473943	- - 1	GAUGE .. Dial reading - 2000 Gallon tank - GT26CW
* 2	9099658	1 -	CHAMBER .. Dial
* 2	9501208	- 1 -	CHAMBER .. Dial
2	8473944	- - 1	CHAMBER .. Dial
3	8413874	1 - 1	HEAD ASY... Gauge - Includes float
* 3	9502087	- 1 -	HEAD ASY... Gauge - Includes float
* 4	9502086	- 1 -	UNIT .. Sender
* 5	9501775	- 1 -	RECEIVER .. Fuel level - 74 Volts D.C.



FUEL LEVEL GAUGE .. Float Type (Hersey)			
6	8446828	1	GAUGE .. Dial reading - 2000 Gallon tank - GT26CW
7	8230888	1	HOUSING .. Gauge mounting
8	8227223	1	GASKET .. Gauge mounting
9	180020	6	BOLT .. Gauge mounting - 1/4 - 20 x 3/4 hex. head
10	103319	6	WASHER .. Lock - 1/4



FUEL LEVEL GAUGE .. Underframe Mounted			
11	8341552	1	HOUSING .. Gauge glass - GA18 loco.
12	8341581	1	GLASS .. Gauge - 11/16 x 1-5/16 x 13-3/8 in.
13	8341582	2	GASKET .. Gauge glass
14	132277	12	SCREW .. Machine - 1/4 - 20 x 1-1/4 Fill. head
15	8035649	12	WASHER .. Lock - 1/4
*16	8415129	AR	PLATE .. Fuel calib. - 53,106,211,317,423,528, Full (U.S. Gal.) - 200,400,500,1200,1600,2000 lleno (liters) (Spanish markings)
*17	8423263	AR	PLATE .. Fuel calib. - 67,100,200,300,400,500, 600,675 full (U.S. Gal.) - 250,400,800,1200,1600, 2000,2400,2555 full (liters) (Spanish markings)
*18	120221	10	SCREW .. Machine - 10 - 24 x 1/2 round head
*19	121801	10	WASHER .. Lock - No. 10 - Internal tooth



FUEL LEVEL GAUGE .. Fuel Filler Sight Glass			
20	8338907	1 -	HOUSING .. Gauge - Left or right side - 1 x 2-5/8 x 9-7/8 in. - JT22CW-2,GT26CW
20	8159347	- 1	HOUSING .. Gauge - Left or right side - 1 x 2-5/8 x 7-3/4 in. - GT22CW,G26CU,G26CW,GT26CU-2,GT26CW-2
21	8338889	1 -	GLASS .. Gauge - 11/16 x 1-5/16 x 8-5/8 in.
21	8020008	- 1	GLASS .. Gauge - 11/16 x 1-5/16 x 6-1/2 in.
22	8338890	1 -	GASKET .. Gauge glass
22	8018990	- 1	GASKET .. Gauge glass
23	132277	10 10	SCREW .. Machine - Housing mounting - 1/4 - 20 x 1-1/4 Fil. head
24	8035649	10 10	WASHER .. Lock - 1/4 in.

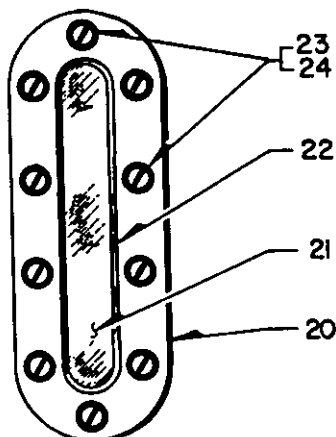


PLATE D750-E-4

P.L. No. D750-E

FUEL OIL EQUIPMENT

Fuel Tank Filler Assembly

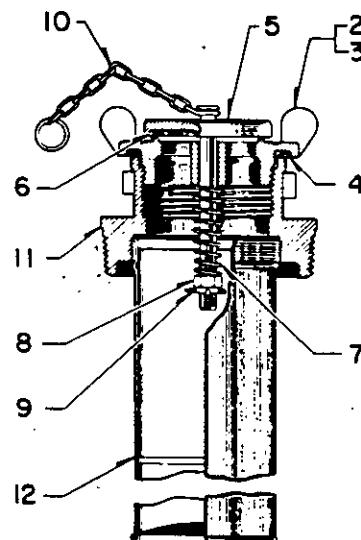
G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE D750-E-5

Ref. No.	Part Number	No. Req.	Description

FILLER ASSEMBLY .. With Relief Valve In Cap

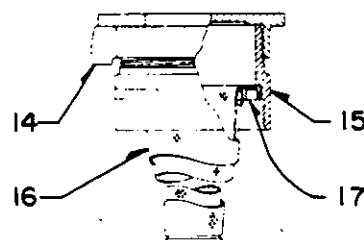
* 1	8094697	1	-	FILLER ASY. .. Fuel tank - 4 M.P.T. - G18U,G18W, GL18M,G22W,G22CU,G22CW,GL22C,GT22CU, JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2, GT26CW-2
1	8204768	-	1	FILLER ASY. .. Fuel tank - 4 M.P.T. - GT22CW
* 1	8176743	-	1	FILLER ASY. .. Fuel tank - 4 M.P.T. - GT26CW - 2
2	8204767	1	1	CAP ASY. .. Filler - 2-1/2 M.P.T. - Form. 8042029
2	8204767	-	1	CAP ASY. .. Filler - 2-1/2 M.P.T. - Form. 8042029
3	8068955	1	1	CAP .. Filler - 2-1/2 M.P.T.
4	8065493	1	1	GASKET .. Cap to body
5	8208126	1	1	VALVE .. Relief - Formerly 8068956
6	8068957	1	1	GASKET .. Valve to cap
7	8056842	1	1	SPRING .. Relief valve
8	125348	1	1	NUT .. 3/8 - 24 hex.
9	121223	1	1	PIN .. Cotter - 1/16 x 3/4 in. long
10	8208127	-	1	CHAIN .. Filler cap - 12 in. long
11	8126390	1	1	BODY .. Filler - 4 M.P.T. x 2-1/2 F.P.T.
* 11	8051567	-	1	BODY .. Filler - 4 M.P.T. x 2-1/2 Hose thrd.
12	8062960	1	1	SCREEN .. Filler - Straight - 3-1/4 - 16 M.P.T.
* 12	8021141	-	1	SCREEN .. Filler - Tapered - Soldered



Ref. No. 1

FILLER ASSEMBLY .. Fuel Tank

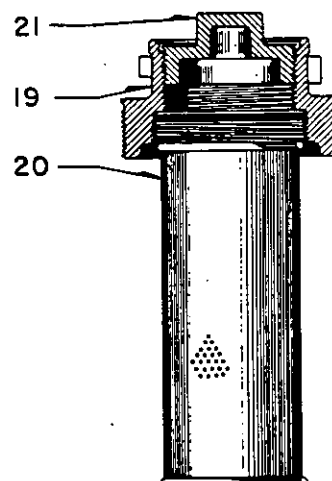
13	8227067	1	FILLER ASSEMBLY .. Fuel - 2 F.P.T. - GA18, JT22CW
14		1	CAP .. Filler - 2 F.P.T.
15		1	BODY .. Filler - 2 F.P.T. x 2 M.P.T.
16		1	SCREEN .. Fire baffle
17		1	COLLAR .. Screen



Ref. No. 13

FILLER ASSEMBLY .. Fuel Tank

18	8373156	1	FILLER ASSEMBLY .. Fuel - GA18, G22U,G22CU,G22CW
19	8373154	1	BODY .. Filler - 4 M.P.T. x 2-1/2 F.P.T.
20	8373155	1	SCREEN .. Filler
21	186481	1	PLUG .. Pipe - 2-1/2 M.P.T. - Square head



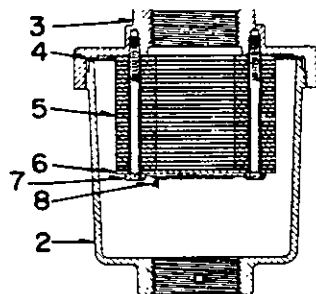
Ref. No. 18

PLATE D750-E-5

P.L. No. D750 - E

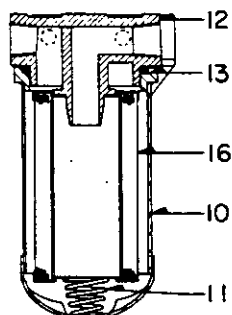
FUEL SYSTEM EQUIPMENT

Flame Arrestor, Fuel Suction Strainer And Fuel Filter
 G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
 GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

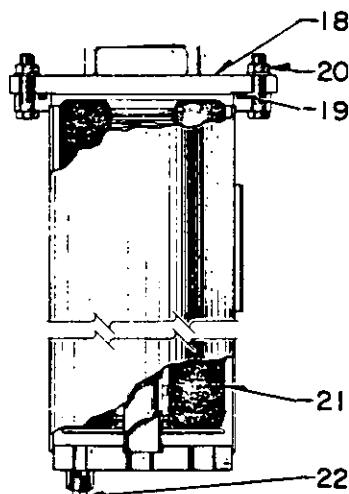
Ref. No.	Part Number	No. Req.	Description
ARRESTOR .. Flame			
1	8167296	1	ARRESTOR .. Flame - 2 F.P.T. - GA18,G22U, G22W,G22CU,JT22CW-2,G26CW
2	8167294	1	HOUSING .. Flame arrestor
3	8167291	1	COVER .. Flame arrestor housing
4	8167319	1	GASKET .. Cover to housing
5	8167292	25	PLATE .. Flame arrestor
6	8167293	1	PLATE .. Flame arrestor - Blind
7	8167295	4	BOLT .. 1/4 - 20 x 3-1/4 Hex. head - Drilled
8	8122066	AR	WIRE .. Lock - 20 ga. steel 100 ft.



Ref. No. 9

STRAINER ASSEMBLY .. Fuel Suction

9	8341983	1	STRAINER ASY. .. Fuel suction - 3/4 F.P.T. - G18U,G18W,GA18,GL18M,G22U,G22W, G22CU,G22CW,GL22C,GT22CU,GT22CW, JT22CW,JT22CW-2,G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
10	8344104	1	SHELL .. Strainer
11	8408735	1	SPRING .. Element retaining
12	8344105	1	COVER .. Strainer
13	8343161	1	RING .. "O" - Cover to shell
*14	179847	2	BOLT .. Cover to shell - 3/8 - 16 x 2 hex. head
*15	446363	2	WASHER .. Plain - 3/8 I.D.
16	9324489	1	ELEMENT .. Strainer - Formerly 8344103



Ref. No. 17

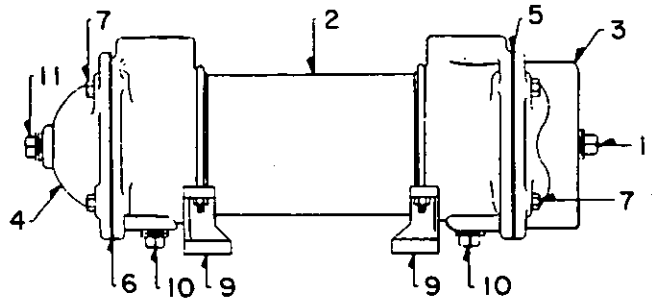
FILTER ASSEMBLY .. Fuel Oil

17	8356717	1	FILTER ASY. .. Fuel oil - Primary - GL18M GT22CU,GT22CW,JT22CW,GT26CW, GT26CU-2,GT26CW-2 - Replaced by 9502100
*17	9502100	- 1	FILTER ASY. .. Fuel oil - Primary - Replaces 8356717
*17	8379120	- 1	FILTER ASY. .. Fuel oil - Primary - G18U,G18W,GA18,GL18M,G22U,G22W, G22CU,G22CW,GL22C,GT22CU,GT22CW, JT22CW-2,G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
18	8359422	1 1 1	COVER .. Filter
19	8358905	1 1 1	GASKET .. Cover
20	8359168	2 2 2	NUT .. Cover - 1/2 - 13 Flanged hex.
21	8275432	1 - -	ELEMENT .. Filter - Cageless wastex
*21	8345482	- 1 1	ELEMENT .. Filter - Pleated cotton paper
22	143981	1 2 1	PLUG .. Drain - 1/2 M.P.T. square head - Formerly 103880
*23	8173563	2 2 2	FLANGE .. Swivel - Fuel oil inlet and outlet
*24	8231713	2 2 2	INSERT .. Swivel flange
*25	8306502	2 2 2	GASKET .. Filter inlet and outlet

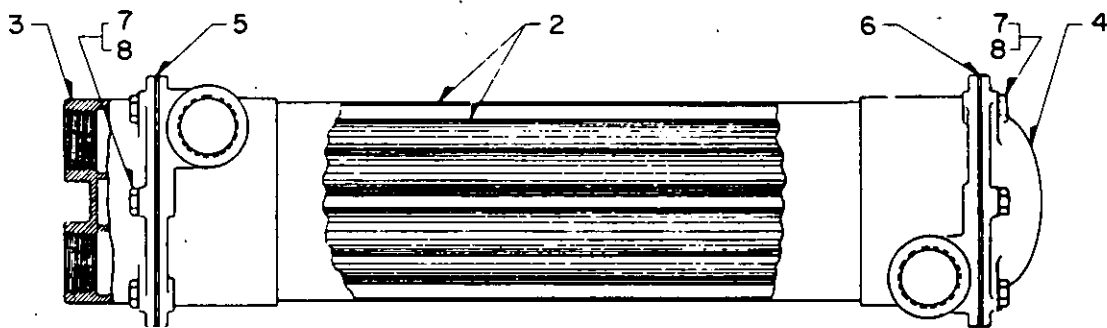
PLATE D750 - E - 6

FUEL OIL HEAT EXCHANGER

JT22CW-2, G26CU, G26CW and GT26CW-2 Locomotives
Fuel Oil Heat Exchanger



Column A



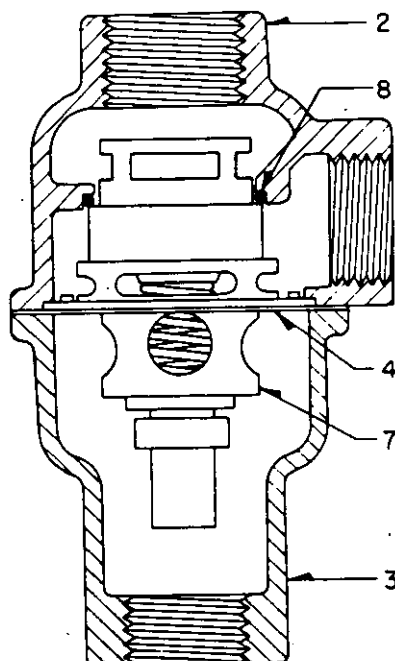
Column B
PLATE B780-E-1

Ref. No.	Part Number	No. Req.	Description
		A -	JT22CW-2 and GT26CW-2 locomotives
		B -	G26CU and G26CW locomotives
1	8211287	1 -	EXCHANGER ASY. ... Heat - Fuel
1	8346377	1 -	EXCHANGER ASY. ... Heat - Fuel
2	8224796	1 -	SHELL ASY. ... Water inlet and outlet - 3/4 F.P.T. - Incl. tubes
2	8351357	1 -	SHELL ASY. ... Water inlet and outlet - 1 F.P.T. - Incl. tubes
3	8224798	1 -	BONNET .. Inlet and outlet end - Fuel - 1-1/4 F.P.T.
3	8351358	1 -	BONNET .. Inlet and outlet end - Fuel - 3/4 F.P.T.
4	8224799	1 -	BONNET .. Return end
4	8351360	1 -	BONNET .. Return end
5	8224800	1 -	GASKET .. Inlet and outlet end bonnet
5	8351359	1 -	GASKET .. Inlet and outlet end bonnet
6	8224801	1 -	GASKET .. Return end bonnet
6	8351361	1 -	GASKET .. Return end bonnet
7	179816	12 -	BOLT .. 5/16 - 18 x 3/4 hex. head
7	180018	12 -	BOLT .. 1/4 - 20 x 5/8 hex. head
8	120423	12 -	WASHER .. Lock - 1/4
9	8224797	2 -	CRADLE ASY. ... Heat exchanger
10	113176	2 -	PLUG .. Pipe - 1/2 M.P.T. square head brass
*10	8173319	2 -	PLUG .. Pipe - 1 M.P.T. headless
11	8260541	3 -	PLUG .. Zinc rod protector

P.L. No. B780-E

FUEL OIL HEAT EXCHANGER
JT22CW-2 and GT26CW-2 Locomotives

Thermostatic Mixing Valve



Ref. No. 1

PLATE A780-E-2

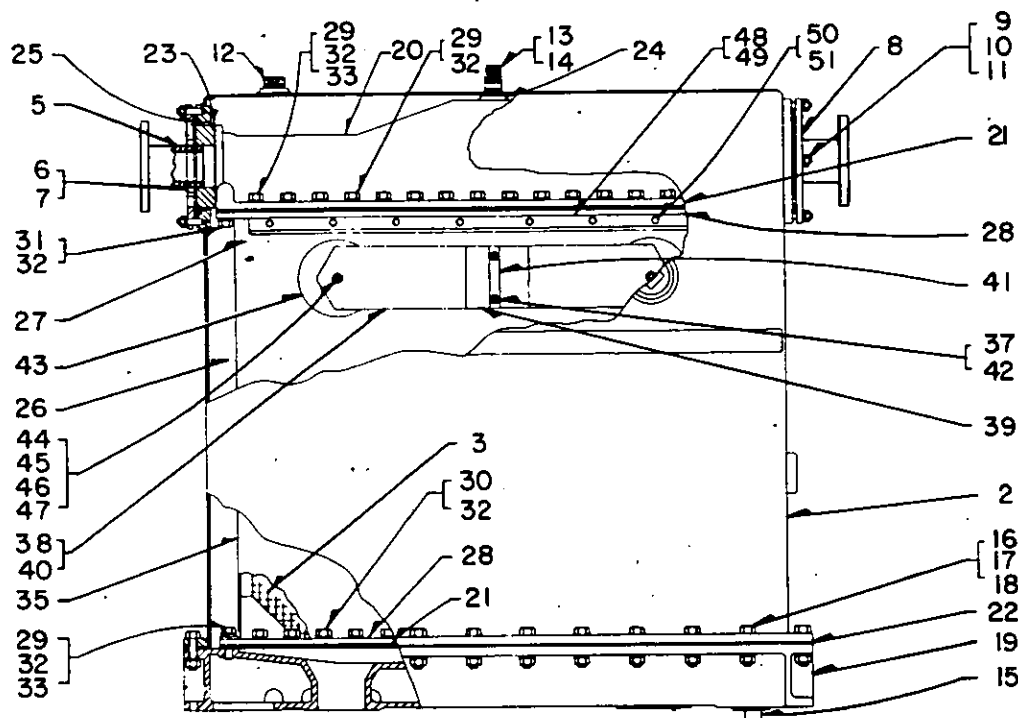
Ref. No.	Part Number	No. Req.	Description
VALVE .. Mixing - Thermostatic - Fuel Oil			
1	8243044	1 -	VALVE .. Mixing - Thermostatic - Fuel oil - 3/4 F.P.T. - Bronze Replaced by 9091415 - GT26CW-2 locomotives
1	9091415	- 1	VALVE .. Mixing - Thermostatic - Fuel oil - 3/4 F.P.T. - Cast iron - Replaces 8243044 - JT22CW-2 locomotives
2	8247014	1 -	HOUSING .. Valve - Upper
2		- 1	HOUSING .. Valve - Upper
3	8247017	1 -	HOUSING .. Valve - Lower
3		- 1	HOUSING .. Valve - Lower
4	8247015	1 -	GASKET .. Housing to housing
4	9518201	- 1	GASKET .. Housing to housing
* 5	180020	4 4	BOLT .. Housing to housing - 1/4 - 20 x 3/4 hex. head
* 6	120380	4 4	WASHER .. Lock - Housing to housing bolt - 1/4

ELEMENT ASSEMBLY .. Thermostat

7	8247016	1 | 1	ELEMENT ASY... Thermostat - 120°
8	8175435	1 | 1	GASKET .. "O" ring

LUBE OIL COOLER

GT22CU,GT22CW,GT26C,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

PLATE B938-E-1

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 locomotives
		B -	GT26C locomotives
1	8412061	1 -	COOLER ASY. .. Lube oil
1	8364235	1 -	COOLER ASY. .. Lube oil
2	9326695	1 -	TANK .. Cooler
2	8272137	1 -	TANK .. Cooler
3	----	1 -	CORE .. Cooler
			8393169 .. Core (Young)
			3039087 .. Core (Harrison)
3	----	1 -	CORE .. Cooler
			8318804 .. Core (Young)
			3146250 .. Core (Harrison)
* 4	9531516	AR	PLUG .. Oil cooler - Tapered phenolic

The following components, ref. nos. 5 thru 52 are applicable to ref. no. 1, unless otherwise specified in description column.

5	8364234	2	PIPE ASY. .. Water inlet - Flanged one end
6	179889	8	BOLT .. Flange to header - 1/2 - 13 x 2 hex. head
7	103323	8	WASHER .. Lock - 1/2
8	8272141	2	PLATE .. Clamp - Water inlet flange
9	8020824	8	STUD .. Clamp plate - 3/8 - 16 x 1-3/4
10	103321	8	WASHER .. Lock - 3/8
11	102635	8	NUT .. 3/8 - 16 hex.

* A maximum of 2% of the total number of tubes can be plugged without adversely affecting performance.

P.L. No. C938-E

LUBE OIL COOLER

Ref. No.	Part Number	No. Req. A-B	Description
			COOLER ASY. .. Lube oil
12	8060954	1	NIPPLE .. Close - 1 M.P.T.
13	8353112	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
14	140562	1	NUT .. Lock - 3/4 pipe nipple
15	426810	4	PLUG .. Pipe - 2 M.P.T. square socket
16	179889	30	BOLT .. Tank to header - 1/2 - 13 x 2 hex. head
17	103323	30	WASHER .. Lock - 1/2
18	102637	30	NUT .. 1/2 - 13 hex.
19	9318129	1	HEADER .. Cooler - Bottom - Formerly 8271246
20	8271227	1	HEADER .. Cooler - Top
21	8272140	2	GASKET .. Header to core
22	8272139	1	GASKET .. Bottom header to tank
23	8272142	2	GASKET .. Top header to pipe flange
24	8250627	1	GASKET .. Top header to tank at pipe nipple
25	8272143	2	"O" RING .. Oil seal - Clamp plate to pipe flange
26	8272145	1	PLATE .. Discharge baffle
27	8131257	2	CLIP .. Baffle plate
28	8272138	4	PLATE .. Clamp - Formerly applied 8412061
29	179887	34	BOLT .. Header mounting - 1/2 - 13 x 1-3/4 hex. head
30	179883	40	BOLT .. Header mounting - 1/2 - 13 x 1-1/4 hex. head
31	179884	10	BOLT .. Header mounting - 1/2 - 13 x 1-3/8 hex. head
32	103323	84	WASHER .. Lock - 1/2
33	103343	2	WASHER .. Plain - 1/2
*34	102637	14	NUT .. 1/2 - 13 hex.
35	8250671	1	VALVE ASY. .. Baffle and relief
36	8250651	1	PLATE ASY. .. Relief
37	179820	2	BOLT .. Relief plate - 5/16 - 18 x 1-1/4 hex. head
38	8250745	2	SPRING .. Tension - 22-3/4 in. free length
39	8250744	1	SPRING .. Tension - 6 in. free length
40	8273680	1	SPRING .. Tension - 18-1/8 in. free length
41	8250623	1	BAR .. Clamp - Tension spring
φ 42	8035131	2	NUT .. Lock - 5/16 - 18 hex. - Non-metallic
φ 42	9416511	2	NUT .. Lock - 5/16 - 18 hex. - "CLT" all metal
φ 42	9335106	2	NUT .. Lock - 5/16 - 18 hex. - "OVAL" all metal
43	8250624	2	PLATE .. Disc
44	8250625	2	BOLT .. Special - Disc plate to spring - 3/8 - 24 x 13/16 hex. head
45	103341	2	WASHER .. Plain - 3/8
46	102645	2	NUT .. Slotted - 3/8 - 24 hex.
47	103374	2	PIN .. Cotter - 3/32 x 1 in. long
48	8250626	1	BAR .. Tapped
49	8250826	1	STRIP .. Baffle retaining
50	181311	8	BOLT .. Strip to tapped bar - 1/4 - 28 x 5/8 hex. head
51	103319	8	WASHER .. Lock - 1/4
+*52	8366785	2	GASKET .. Elbows to cooler and strainer

LUBE OIL FILTER

Two Element With Internal By-Pass Valve
G18U,G18W,GA18 and GL18M Locomotives

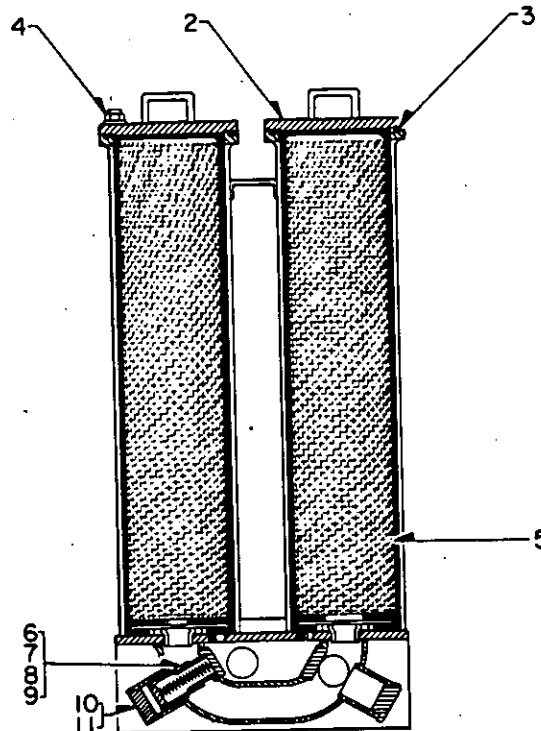


PLATE A940-E-1

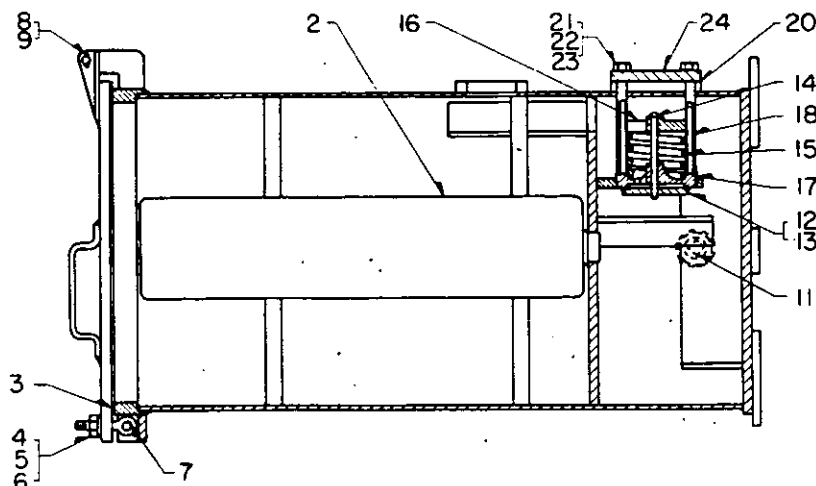
Ref. No.	Part Number	No. Req.	Description
1	8362642	1	FILTER ASSEMBLY .. Lube oil
2	8359422	2	COVER .. Filter
3	8358905	2	GASKET .. Filter cover
4	8359168	4	NUT .. Cover - 1/2-13 flanged hex.
5	8345482	2	ELEMENT .. Lube oil filter - Cotton paper
6	8213373	3	BODY .. Differential valve
7	8035259	3	PISTON .. Differential valve
8	8282144	3	SPRING .. Differential valve
9	8067194	3	PLUG .. Headless - Differential valve
10	8067202	3	PLUG .. Hexagon - Differential valve
11	8067203	3	GASKET .. Differential valve
*12	8261049	1	BUSHING .. Reducing - 1-1/2 M.P.T. x 1/2 F.P.T.
*13	143981	1	PLUG .. Pipe - 1/2 M.P.T.
*+14	8352787	2	GASKET .. Lube oil inlet and outlet

P.L. No. A940-E

LUBE OIL FILTER

Four Element With External By-Pass Valve

G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,G26CU and G26CW Locomotives

Ref. No. 1
PLATE A940-E-2

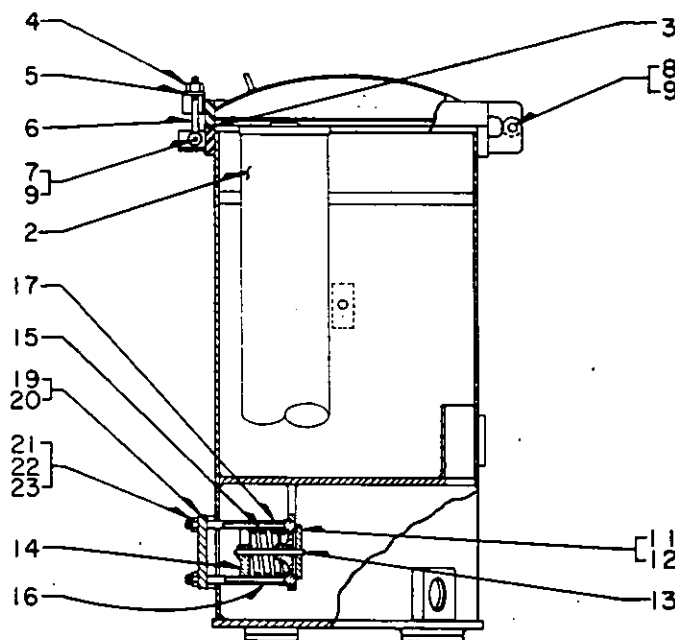
Ref. No.	Part Number	No. Req.	Description
		A B C	
1	8373237	1 - -	FILTER ASY. .. Lube oil - G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW locomotives
* 1	8412880	- 1 -	FILTER ASY. .. Lube oil - GT22CU and GT22CW locomotives
1	8449807	- - 1	FILTER ASY. .. Lube oil - G22U,G22W,G22CU,G22CW and GL22C locomotives

The following components are applicable to Columns A,B and C, unless otherwise specified in description column.

2	8345482	4	ELEMENT .. Lube oil filter - Pleated cotton paper
3	8330035	1	GASKET .. Cover
4	8326575	8	BOLT .. Eye - Cover - 3/4 - 10 x 3-1/4 in. long
5	220081	8	NUT .. Cover bolt - 3/4 - 10 hex.
6	106268	8	WASHER .. Plain - 3/4
7	8291708	8	PIN ASY. .. Clevis - Includes cotter pin
8	8098236	1	PIN .. Cover hinge
9	187988	2	PIN .. Cotter - 3/16 x 1-1/4
*10	8320706	1	PIN .. Dowel - Cover locating - 1/2 x 2-3/4
11	103881	2	PLUG .. Pipe - Filter drain - 3/4 M.P.T. square head - Column A and C only
*11	103882	1	PLUG .. Pipe - Drain - 1 M.P.T. square head - Column B only
12	8320705	1	VALVE ASY. .. By-pass relief - 40 P.S.I.
13	8322839	1	POPPET .. Valve
14	8322842	1	PIN .. Dowel - 3/16 x 7/8 in. long
15	8317190	1	SPRING .. Compression - 40 P.S.I.
16	8296027	1	KEEPER .. Spring
17	8322840	1	BODY .. Valve
18	8322841	3	GUIDE .. Spring
*19	8320708	3	SPRING .. Valve retaining
20	8296030	1	GASKET .. Valve port cover
21	8360166	4	STUD .. Valve port cover - 1/2 - 13 x 2-1/2 in. long
22	103323	4	WASHER .. Lock - 1/2
23	102637	4	NUT .. 1/2 - 13 hex.
24	8359730	1	PLATE .. Cover
*25	143981	1	PLUG .. Vent - 1/2 M.P.T. square head - Column B only
+*26	8352787	2	GASKET .. Lube oil inlet and outlet - Column A and C only
+*26	8366787	2	GASKET .. Lube oil inlet and outlet - Column B only

Parts List No. A940-E

LUBE OIL FILTER

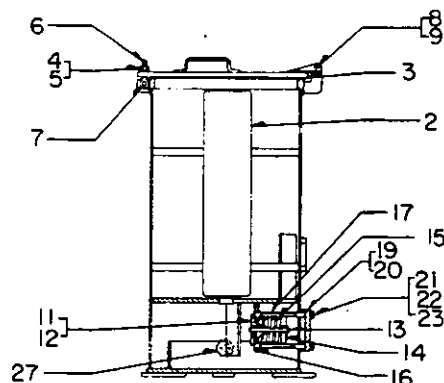
Five Element With External By-Pass Valve
JT22CW-2 LocomotiveRef. No. 1
PLATE A940-E-3

Ref. No.	Part Number	No. Req.	Description
1	9500899	1	FILTER ASSEMBLY .. Lube oil
2	8345482	5	ELEMENT... Filter - Pleated cotton paper
3		1	RING .. "O" - Cover
4	220081	8	NUT .. Cover to eye bolt - 3/4-10 hex.
5		8	WASHER .. Flat - 13/16 I.D. x 2 O.D. x 5/32 in. thick
6		8	BOLT .. Eye - 3/4-10 x 6 in. long
7	8363937	8	PIN .. Clevis - 5/8 dia. x 2-3/16 in. long
8		1	PIN .. Cover hinge - 5/8 dia. x 6 in. long
9		18	RETAINER .. Pin
*10	8320706	1	PIN .. Dowel - Cover locating - 1/2 x 2-3/4 in. long
11	8320705	1	VALVE ASSEMBLY .. By-pass relief - 40 P.S.I.
12	8322839	1	POPPET .. Valve
13	8322842	1	PIN .. Dowel - 3/16 x 7/8 in. long
14	8296027	1	KEEPER .. Relief valve spring
15	8317190	1	SPRING .. Relief valve - 40 P.S.I.
16	8322840	1	BODY .. Valve
17	8322841	3	GUIDE .. Spring
*18	8320708	3	SPRING .. Valve retaining
19	8359730	1	PLATE .. Valve port cover
20	8296030	1	GASKET .. Valve port cover
21	8360166	4	STUD .. Valve port cover - 1/2-13 x 2-1/2 in. long
22	102637	4	NUT .. 1/2-13 hex.
23	103323	4	WASHER .. Lock - 1/2
*24	444594	1	PLUG .. Pipe - 3/4-14 M.P.T. - Square head
*25	444576	1	PLUG .. Pipe - 1/4- M.P.T. - Square head
*26	143981	1	PLUG .. Vent - 1/2 M.P.T. - Square head
*27	103882	1	PLUG .. Drain - 1 M.P.T. - Square head
+*28	8366787	2	GASKET .. Lube oil inlet and outlet

P.L. No. A940-E

LUBE OIL FILTER

Seven Element With External By-Pass Valve
 JT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1
 PLATE A940-E-4

Ref. No.	Part Number	No. Req.			Description
		A	B	C	
1	9098654	1	-	-	FILTER ASY. ... Lube oil - JT22CW locomotives
1	8411945	-	1	-	FILTER ASY. ... Lube oil Replaced by 9096754
1	9096754	-	-	1	FILTER ASY. ... Lube oil Replaces 8411945
GT26CW,GT26CU-2 and GT26CW-2 locomotives					
<i>The following components are applicable to Columns A,B and C, unless otherwise specified in description column.</i>					
2	8345482	7			ELEMENT .. Filter - Pleated cotton paper
3	8268756	1			GASKET .. Cover
4	220081	10			NUT .. Cover to eye bolt - 3/4 - 10 hex.
5	106268	10			WASHER .. Flat - 3/4
6	8326575	10			BOLT .. Eye - 3/4 - 10 x 3-1/2 in. long
7	8291708	10			PIN ASY. ... Clevis - Includes cotter pin
8	8098236	1			PIN .. Cover hinge
9	187988	2			PIN .. Cotter - 3/16 x 1-1/4 in. long
*10	8320706	1			PIN .. Dowel - Cover locating - 1/2 x 2-3/4 in. long
11	8320705	1			VALVE ASY. ... By-pass relief - 40 P.S.I.
12	8322839	1			POPPET .. Valve
13	8322842	1			PIN .. Dowel - 3/16 x 7/8 in. long
14	8296027	1			KEEPER .. Relief valve spring
15	8317190	1			SPRING .. Relief valve - 40 P.S.I.
16	8322840	1			BODY .. Valve
17	8322841	3			GUIDE .. Spring
*18	8320708	3			SPRING .. Valve retaining
19	8359730	1			PLATE .. Valve port cover
20	8296030	1			GASKET .. Valve port cover
21	8360166	4			STUD .. Valve port cover - 1/2 - 13 x 2-1/2 in. long
22	102637	4			NUT .. 1/2 - 13 hex.
23	103323	4			WASHER .. Lock - 1/2
*24	444594	1			PLUG .. Pipe - 3/4 M.P.T. - Square head
*25	444576	1			PLUG .. Pipe - 1/4 M.P.T. - Square head
*26	143981	AR			PLUG .. Vent - 1/2 M.P.T. - Square head - 1 required columns A and B - 2 required Column C
27	103882	1			PLUG .. Drain - 1 M.P.T. - Square head
+*28	8366787	2			GASKET .. Lube oil inlet and outlet

Parts List No. C1007-E

ACCESSORY RACK EQUIPMENT

GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives
PLATES B1007-E-1,2 and 3

Ref. No.	Part Number	No. Req.	Description
		A	GT22CU and GT22CW locomotives
		B	GT26CU-2 and GT26CW-2 locomotives
1	8412880	1	FILTER ASSEMBLY .. Lube oil - See P.L. 940
1	9096754	1	FILTER ASSEMBLY .. Lube oil - See P.L. 940 - Formerly 8411945
2	271656	4	BOLT .. Filter mounting - 7/8-9 x 2 hex. head
3	9335019	4	NUT .. Lock - 7/8-9 hex. - Replaces 9416524
4	8038896	2	FLANGE .. Filter oil inlet tube
5	8366787	2	GASKET .. Filter oil inlet tube flange
6	8320261	1	TUBE .. Filter oil inlet
6	9334806	1	TUBE .. Filter oil inlet - Formerly 8320262
7	8090082	1	ELBOW .. Scavenging pump - Formerly 8090062
7	8252720	1	ELBOW .. Scavenging pump
8	8029467	1	GASKET .. Scavenging pump elbow
8	8251951	1	GASKET .. Scavenging pump elbow
9	179883	4	BOLT .. Flange to filter - 1/2-13 x 1-1/4 hex. head
10	179890	4	BOLT .. Flange to scavenging pump elbow - 1/2-13 x 2-1/2 hex. head - Form. 179889
11	179885	7	BOLT .. Scavenging pump elbow - 1/2-13 x 1-1/2 hex. head
12	179897	3	BOLT .. Scavenging pump elbow to pump - 1/2-13 x 4 hex. head
12	187152	3	BOLT .. Scavenging pump elbow to pump - 1/2-13 x 5 hex. head
13	103323	18	WASHER .. Lock - 1/2
14	103343	18	WASHER .. Plain - 17/32 I.D.
15	102637	4	NUT .. 1/2-13 hex.
16	8444650	1	PIPE .. Flanged - Filter drain
17	8269618	1	GASKET .. Flanged pipe to filter
18	179883	2	BOLT .. Flanged pipe to filter - 1/2-13 x 1-1/4 hex. head
19	103323	2	WASHER .. Lock - 1/2
20	8472849	1	COUPLING ASSEMBLY .. Flexible - 112 I.P.S. x 7-1/2 in. long - See P.L. 1801
21	8153843	1	NIPPLE .. Pipe - 1 M.P.T. x 6 in. long - Threaded one end
22	8432770	1	NIPPLE .. Pipe - 1 M.P.T. x 4-3/16 in. long
22	8125085	1	NIPPLE .. Pipe - 1 M.P.T. x 4 in. long
*23	8044174	1	ELBOW .. Union - 1 M.P.T. - 90°
24	8119862	1	NIPPLE .. Pipe - 1 M.P.T. x 2-1/2 in. long
25	119100	1	ELBOW .. 1 F.P.T. - 90°
26	8272811	1	TUBE ASSEMBLY .. Filter oil outlet and cooler oil inlet
26A	8122574	A.R.	TUBING .. 3 I.P.S. x .120 wall copper 20 ft. (Approx. 13 in. required)
27	8195113	2	ELBOW .. Flange x 3 I.P.S. colder - 90°
28	8354344	2	GASKET .. Elbow to filter and cooler
28	8366787	2	GASKET .. Elbow to filter and cooler
29	179885	8	BOLT .. Elbow to filter and cooler
30	103323	8	WASHER .. Lock - 1/2
31	8412061	1	COOLER ASSEMBLY .. Lube oil - See P.L. 938
32	179889	8	BOLT .. Cooler to rack - 1/2-13 x 2 hex. head
33	103323	8	WASHER .. Lock - 1/2
34	102637	8	NUT .. 1/2-13 hex.
35	8412761	2	BOLT .. Cooler adjusting - 1/2-20 x 5-1/2 hex. head - Ball point
36	8412853	4	NUT .. Flange - Cooler adjusting bolt - 1/2-20 hex.
37	221465	2	CLEVIS .. Cooler adjusting bolt - 1/2-20 thread
38	103498	2	PIN .. Clevis - 5/8 x 1.359 in. long
39	103385	2	PIN .. Cotter - 1/8 x 1 in. long
40	8357014	1	ELBOW .. Lube oil return - Cooler to flexible coupling - 90°
41	8357015	1	ELBOW .. Lube oil return - Flexible coupling to strainer - 45°
42	8366785	2	GASKET .. Elbows to cooler and strainer
43	179885	4	BOLT .. Elbow to cooler - 1/2-13 x 1-1/2 hex. head
44	181432	4	BOLT .. Elbow to strainer - 1/2-20 x 1-5/8 hex. head
45	103323	8	WASHER .. Lock - 1/2
46	8474741	1	COUPLING ASSEMBLY .. Flexible - 4 I.P.S. x 6-1/2 in. long - See P.L. 1801
*46A	8488709	2	BRACKET ASSEMBLY .. Cooler mounting
47	8379120	1	FILTER ASSEMBLY .. Fuel oil - See P.L. 749 - Formerly 8356717
48	8283100	2	STRAP .. Filter mounting
49	179885	4	BOLT .. Strap to bracket - 1/2-13 x 1-1/2 hex. head

8470933 8475433 8475494 27283

P.L. No. C1007-E

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU and GT22CW locomotives
		- B	GT26CU-2 and GT26CW-2 locomotives
50	103323	4 4	WASHER .. Lock - 1/2
51	102637	4 4	NUT .. 1/2 - 13 hex.
52	8116729	A.R.	TUBING .. 5/8 O.D. x .042 wall copper 50 ft. (Approx. 98 in. required)
53	8231713	2 2	INSERT .. Swivel flange
54	8173563	2 2	FLANGE .. Swivel
55	8306502	2 2	GASKET .. Swivel flange to filter
56	179882	4 4	BOLT .. Swivel flange to filter - 1/2 - 13 x 1-1/8 hex. head
57	144308	2 2	NUT .. 1/2 tube
58	189611	1 1	NIPPLE .. Pipe - 1/2 M.P.T. x 2-1/2 in. long - Brass
59	144283	1 1	ELBOW .. 5/8 tube x 1/2 F.P.T. - 90°
*60	8040322	1 1	CONNECTOR .. 5/8 tube x 3/4 M.P.T.
*61	8108209	2 2	CLAMP ASSEMBLY .. 5/8 tube
61A	9321340	1 1	COUPLER .. Quick disconnect - 1/4 M.P.T. - Formerly 8367564
61B	9325726	- 1	GAUGE .. Sight - 3/4 - 14 M.P.T.
62	8341983	1 1	STRAINER ASSEMBLY .. Fuel suction - See P.L. 750
63	8455505	1 1	PUMP ASSEMBLY .. Fuel - See P.L. 4140
*64	179841	2 2	BOLT .. Strainer to rack - 3/8 - 16 x 1-1/4 hex. head
65	179843	4 4	BOLT .. Pump to rack - 3/8 - 16 x 1-1/2 hex. head
66	103321	7 7	WASHER .. Lock - 3/8
67	106263	4 4	WASHER .. Plain - 7/16 I.D.
68	102635	4 4	NUT .. 3/8 - 16 hex.
69	8098596	A.R.	TUBING .. 5/8 O.D. x .035 wall copper brazed steel 20 ft. (Approx. 55 in. required)
70	144308	2 2	NUT .. 5/8 tube
71	8040345	1 1	ELBOW .. 5/8 tube x 3/4 M.P.T. - 90°
72	109429	1 1	ELBOW .. 5/8 tube x 1/2 M.P.T. - 90°
73	8108114	1 1	CLAMP ASSEMBLY .. "C" - 5/8 tube - 2-3/4 in. long
74	8108197	1 1	CLAMP ASSEMBLY .. Hanger - 5/8 tube - 6 in. long
75	8455574	A.R.	CONDUIT .. 1/2 in. liquid tight flexible metallic 25 ft. (30 in. required)
75	8116953	A.R.	CONDUIT .. 1/2 in. rigid aluminum 12 ft. - Approx. 5 ft. required
76	8330797	2 2	CONNECTOR .. Liquid tight conduit - 1/2 F.P.T. - Straight
77	8250975	2 2	CONNECTOR .. Liquid tight conduit - 1/2 M.P.T. - Straight
78	8116953	A.R.	CONDUIT .. 1/2 in. rigid aluminum 12 ft. (45 in. required)
79	8108197	1 1	CLAMP ASSEMBLY .. Hanger - 1/2 in. conduit - 6 in. long
80	8453918	1 1	REGULATOR ASSEMBLY .. Load - See P.L. 4522
81	8254773	4 4	BOLT .. Regulator mounting - 3/8-16 x 2 hex. head
82	103321	4 4	WASHER .. Lock - 3/8
83	106263	4 4	WASHER .. Plain - 7/16 I.D.
84	102635	4 4	NUT .. 3/8-16 hex.
85	8168448	1 1	CLAMP .. Insulated
86	9419646	1 1	SCREW .. Tapping - Clamp to rack - 1/4-20 x 5/8 hex. washer head
87	8470693	1 1	CABINET ASSEMBLY .. A.C.
87	8475090	- 1	CABINET ASSEMBLY .. A.C. - Appl. to GT26CU-2 only } See P.L. 3239
88	8333051	1 1	FILTER .. Centrifugal air - See P.L. 1090
*89	180171	1 1	BOLT .. Filter to cabinet - 1/2 - 13 x 3/4 hex. head } Formerly Applied
*90	120384	2 2	WASHER .. Lock - 1/2
91		1 1	PLATE .. Name - Danger 215V.
92	145372	4 4	SCREW .. Drive - No. 4 x 1/4 round head
93	8098595	A.R.	TUBING .. 1/2 O.D. x .035 wall copper brazed steel 20 ft. (Approx. 47 in. required)
*93A	120141	2 2	NUT .. 1/2 Tube
94	8314243	A.R.	PIPE .. 3/4 in. standard wrought - Approx. 21 ft. (39-15/32 in. required)
95	8087567	1 1	NIPPLE .. Pipe - 3/4 M.P.T. x 1-3/8 in. long - Threaded one end
96	8154251	1 1	NIPPLE .. Pipe - 3/4 M.P.T. x 6-1/2 in. long - Threaded one end
97	8081300	1 1	ELBOW .. Flanged - 3/4 I.P.S. solder - 90°
98	8173259	1 1	ELBOW .. 3/4 I.P.S. socket weld - 90°
99	8044169	- 1	ELBOW .. Union - 3/4 F.P.T. - 90°
100	8379841	1 1	VALVE .. Ball cock - 3/4 F.P.T. - See P.L. 1850
101	8306501	1 1	GASKET .. Flanged elbow to filter
102	179881	2 2	BOLT .. Flanged elbow to filter - 1/2-13 x 1 hex. head

Formerly
Applied

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU and GT22CW locomotives
		- B	GT26CU-2 and GT26CW-2 locomotives
103	179885	3 3	BOLT .. Cabinet to rack - 1/2-13 x 1-1/2 hex. head
104	179891	1 1	BOLT .. Cabinet to rack - 1/2-13 x 2-1/2 hex. head
105	9335011	4 4	NUT .. Lock - 1/2-13 hex. - Replaces 9416517
106	8108116	1 -	CLAMP ASSEMBLY .. Hanger - 3/4 in. pipe - Formerly applied
107	8272680	1 -	ELBOW .. Water pump inlet - Left side - Formerly applied
107	9326303	- 2	TEE .. Water pump inlet - Left and right side - Formerly 8359016
108	8432680	2 -	TEE .. Water pump inlet - Left and right side - Formerly 8318990
108	8359082	- 1	ELBOW .. Water pump inlet - Right side - Previously applied
109	143936	2 2	PLUG .. Pipe - 3/4 M.P.T. - Square head
*110	8366787	2 2	GASKET .. Elbow to lube oil cooler
*111	179885	8 8	BOLT .. Eblow to lube oil cooler - 1/2-13 x 1-1/2 hex. head
*112	103323	8 8	WASHER .. Lock - 1/2
113	8347788	2 2	COUPLING ASSEMBLY .. Flexible - Water pump inlet - See P.L. 1801
114	8366785	4 4	GASKET .. Coupling to elbow and water pump
115	179885	8 8	BOLT .. Coupling to water pump - 1/2-13 x 1-1/2 hex. head
116	179890	8 8	BOLT .. Coupling to elbow - 1/2-13 x 2-1/2 hex. head
117	103323	16 16	WASHER .. Lock - 1/2
118	102637	8 8	NUT .. 1/2-13 hex.
119	8099907	1 1	GAUGE .. Engine water inlet temp. - Repl. 8232106 - See P.L. 1805
φ 120	8231594	1 1	GAUGE .. Lube oil pressure - See P.L. 1805
φ 120	9081457	1 1	GAUGE .. Lube oil pressure - See P.L. 1805
121	113956	3 3	SCREW .. Machine - Gauge to rack - 1/4-20 x 5/8 round head
122	103319	3 3	WASHER .. Lock - 1/4
123	109084	3 3	NUT .. 1/4-20 hex.
124		1 1	PLATE .. Name - Lube oil pressure
125	171654	2 2	SCREW .. Tapping - Plate to rack - 6-32 x 5/8 pan head
126	8447676	1 -	TANK ASSEMBLY .. Water
126	9337737	- 1	TANK ASSEMBLY .. Water - Formerly 8446885
127	271656	4 4	BOLT .. Tank to rack - 7/8-9 x 2 hex. head
128	9335019	4 4	NUT .. Lock - 7/8-9 hex. - Replaces 9416524
129	8458052	1 1	NECK .. Water tank filler
130	8424925	1 1	GASKET .. Neck to water tank
131	179839	4 4	BOLT .. Neck to water tank - 3/8-16 x 1 hex. head
132	103321	4 4	WASHER .. Lock - 3/8
133	9087321	1 1	CAP ASSEMBLY .. Water tank filler - Spring loaded - 7 P.S.I. - Replaces 9082048
134	8164049	1 1	SEAL .. Includes wire - Filler cap
135	8365600	1 1	GAUGE .. Water tank water level - See P.L. 544
136	8475067	1 1	PLATE .. Name - Water level gauge
137	171730	3 3	SCREW .. Tapping - Plate to tank - 10-32 x 3/8 pan head
138	8470340	1 1	COUPLING ASSEMBLY .. Flexible - 1 I.P.S. x 6 in. long - See P.L. 1801
139	8116937	A.R.	PIPE .. 1 in. standard wrought steel 20 ft. (62-7/8 in. required for overflow pipe)
140	8108232	1 1	CLAMP ASSEMBLY .. Hanger - Overflow pipe - 17-3/4 in. long
141	8108217	2 2	CLAMP ASSEMBLY .. Hanger - Overflow pipe - 8 in. long
142	----	- -	Reference number not used
143	8116936	A.R.	PIPE .. 3/4 in. standard wrought steel 20 ft. (Approx. 63 in. required)
144	8087567	1 1	NIPPLE .. Pipe - 3/4 M.P.T. x 1-3/8 in. long - Threaded one end
145	8060974	1 1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
146	8241559	1 1	OUTLET .. Pipe - 3/4 or 1 in. run - 3/8 F.P.T.
147	119099	1 1	ELBOW .. 3/4 F.P.T. - 90°
148	8173557	1 1	INSERT .. Swivel flange - 3/4 I.P.S. socket weld
149	8173558	1 1	FLANGE .. Swivel
150	8441325	1 1	VALVE .. Ball cock - Vented - 3/4 F.P.T.
151	8416818	1 1	CONNECTION .. Hose - 3/4 F.P.T.
152	8306501	1 1	GASKET .. Swivel flange to water tank
153	179885	2 2	BOLT .. Swivel flange to water tank - 1/2-13 x 1-1/2 hex. head
154	103323	2 2	WASHER .. Lock - 1/2
155	8108214	1 1	CLAMP ASSEMBLY .. Hanger - Water tank fill pipe - 8 in. long

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU and GT22CW locomotives
		B -	GT26CU-2 and GT26CW-2 locomotives
156	8479955	1 -	CLAMP ASSEMBLY .. Water tank fill pipe - Formerly 8108348
156	8480236	- 1	CLAMP ASSEMBLY .. Water tank fill pipe - Formerly 8108348
156	8108348	1 1	CLAMP ASSEMBLY .. Hanger - Water tank fill pipe - Previously applied
157	8223255	2 -	HOSE .. Rubber - Water tank to water pump inlet elbow - Form. 8362588
157	8392458	- 2	COUPLING .. Flexible - Water tank to water pump inlet elbow - See P.L. 1801
158	8202285	4 4	CLAMP .. Hose - Previously applied column B
159	8470605	1 1	COUPLING ASSEMBLY .. Flexible - 3/4 I.P.S. x 4-1/2 in. long - See P.L. 1801
160	8153099	- 1	NIPPLE .. Pipe - 3/4 M.P.T. x 3 in. long - Threaded one end
160	8116936	1 -	PIPE .. 3/4 in. standard wrought steel 20 ft. - (15-11/16 in. required)
161	218840	1 1	FITTING .. "Y" - 3/4 F.P.T.
162	8293437	1 1	VENTURI .. 3/4 M.P.T. x 2-1/2 in. long
163	8044169	1 1	ELBOW .. Union - 3/4 F.P.T. - 90°
164	8452907	1 1	VALVE .. Ball cock - Vented - 3/8 F.P.T. - Shutter
165	8463162	1 1	BRACKET .. Valve mounting - Welds to water tank
166		1 1	PLATE .. Instruction - Shutter valve
167	171654	2 2	SCREW .. Tapping - Plate to bracket - 6-32 x 5/8 pan head
168	8424295	1 -	SWITCH .. Temperature - TA - No. 1 fan
168	8424293	- 1	SWITCH .. Temperature - TA - No. 1 fan
169	8424295	1 1	SWITCH .. Temperature - TB - No. 2 fan
170	8448173	1 1	SWITCH .. Temperature - ETS - Hot engine
171	8314296	3 3	GASKET .. Switch to manifold
172	179841	6 6	BOLT .. Switch to manifold - 3/8-16 x 1-1/4 hex. head
173	8367623	1 1	MANIFOLD .. Temperature switch
174	8198592	1 1	PLUG .. Pipe - 3/4 M.P.T. - Slotted
175	179883	2 2	BOLT .. Manifold to rack - 1/2-13 x 1-1/4 hex. head
176	103323	2 2	WASHER .. Lock - 1/2
177	8268162	1 1	WELL .. Thermometer
178	.....	- -	Reference number not used
179	8116751	A.R.	PIPE .. 1/2 in. standard wrought steel - 20 ft. (Approx. 13 in. required)
180	8044160	1 1	UNION .. Pipe - 1/2 F.P.T. x 1/2 M.P.T.
*181	9085710	A.R.	TAPE .. Insulating - 1-1/2 x 1/6 in. thick - 100 ft. roll - Repl. 8122246
*182	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*183	8380461	2 2	CLAMP .. Open end - 13 in. long
184	8081626	1 1	CLAMP .. "U" - 1/2 in. pipe
185	8471828	1 1	ANGLE .. Clamp mounting - Welds to rack
186	179793	2 2	BOLT .. Clamp to angle - 1/4-20 x 5/8 hex. head
187	103319	2 2	WASHER .. Lock - 1/4
188	109084	2 2	NUT .. 1/4-20 hex.
189	8089299	1 1	NIPPLE .. Pipe - 1/2 M.P.T. x 4 in. long
190	144283	1 1	ELBOW .. 5/8 tube x 1/2 F.P.T. - 90°
191	.....	- -	Reference number not used
192	8060974	2 2	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
193	8198227	1 1	ELBOW .. Union - 3/4 F.P.T. x 3/4 M.P.T. - 45°
194	218840	1 1	FITTING .. "Y" - 3/4 F.P.T.
195	218829	1 1	BEND .. Pipe return - 3/4 F.P.T.
196	103881	1 1	PLUG .. Pipe - 3/4 M.P.T. - Square head
197	8116856	A.R.	TUBING .. 3/8 O.D. x .042 wall copper 25 ft (12-29/32 in. required)
198	8098593	A.R.	TUBING .. 1/4 O.D. x .028 wall copper brazed steel 20 ft. (53-3/32 in. required)
199	8098594	A.R.	TUBING .. 3/8 O.D. x .028 wall copper brazed steel 20 ft. (48-3/16 in. required)
200	8098595	A.R.	TUBING .. 1/2 O.D. x .035 wall copper brazed steel 20 ft. (177 in. required)
201	8098596	A.R.	TUBING .. 5/8 O.D. x .035 wall copper brazed steel 20 ft. (28-1/2 in. required)
202	8122131	A.R.	TUBING .. 1/2 I.D. x 5/8 O.D. asbestos 100 ft. (98-19/32 in. required) - Form. 8129281
203	8089574	A.R.	TUBING .. 5/8 I.D. x 3/4 O.D. asbestos - Sold per foot (26 in. required)
204	8077101	A.R.	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
205	116452	2 2	NUT .. 1/4 tube
206	121758	6 6	NUT .. 3/8 tube
207	120141	6 6	NUT .. 1/2 tube
208	144308	2 2	NUT .. 5/8 tube
209	8412540	1 1	PAD .. Rubber - With adhesive backing - 3/8 x 3/4 x 1-1/2 in.
210	8156588	2 2	FLANGE .. Oil line to overspeed housing
211	8058257	1 1	GASKET .. Flange to overspeed housing
212	181314	2 2	BOLT .. Flange to overspeed housing - 1/4-28 x 7/8 hex. head

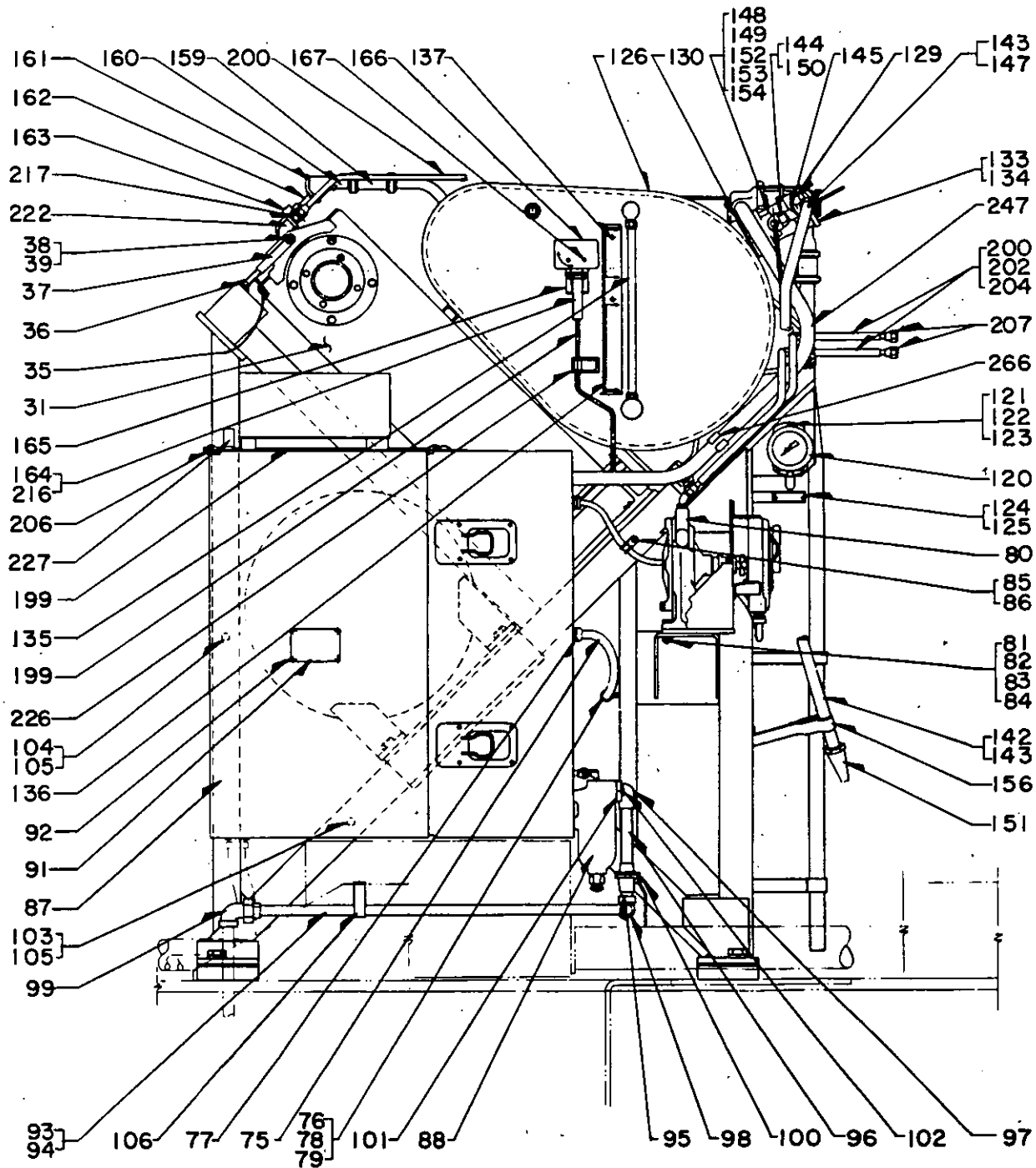
See P.L. 5524

ACCESSORY RACK EQUIPMENT.

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU and GT22CW locomotives
		B -	GT26CU-2 and GT26CW-2 locomotives
213	103319	2 2	WASHER .. Lock - 1/4
214	144046	2 2	BUSHING .. Pipe reducing - 1/2 M.P.T. x 3/8 F.P.T.
215	118750	1 1	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
216	8040313	2 2	CONNECTOR .. 3/8 tube x 3/8 M.P.T.
217	8027428	1 1	CONNECTOR .. 1/2 tube x 1/2 M.P.T.
218	8040322	1 1	CONNECTOR .. 5/8 tube x 3/4 M.P.T.
219	8040347	1 1	ELBOW .. 1/4 tube x 1/4 F.P.T. - 90°
220	8039169	1 1	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
221	8272556	2 2	ELBOW .. 1/2 tube x 3/8 M.P.T. - 45°
222	189368	1 1	ELBOW .. 1 F.P.T. x 1/2 F.P.T. - 90°
223	103868	1 1	PLUG .. Pipe - 1/2 M.P.T. - Square head - Formerly applied
224	8108274	2 2	CLAMP ASSEMBLY .. Two way - 1/4 and 3/8 O.D. tubing
225	8108272	1 1	CLAMP ASSEMBLY .. Two way - 3/8 O.D. tubing
226	8108111	1 1	CLAMP ASSEMBLY .. "C" - 3/8 O.D. tubing - 2-1/2 in. long
227	8108202	1 1	CLAMP ASSEMBLY .. Hanger - 3/8 O.D. tubing - 4 in. long
228	8108206	1 1	CLAMP ASSEMBLY .. Hanger - 1/2 O.D. tubing - 4 in. long
229	8108209	2 2	CLAMP ASSEMBLY .. Hanger - 1/2 O.D. tubing - 4 in. long
230	8333181	1 1	CLAMP ASSEMBLY .. Hanger - 1/2 O.D. tubing - 4 in. long - Offset
231	8108211	1 1	CLAMP ASSEMBLY .. Hanger - 5/8 O.D. tubing - 4 in. long
*232	8468611	A.R.	CABLE .. 14 AWG. - LF insl. - 500 ft. roll (18 feet required)
*233	8260906	2 2	TERMINAL .. Insl. - Female faston tab - Blue - No. 12 to 16 AWG.
*234	103328	2 2	SCREW .. Machine - Fuel pump connection - 10-32 x 1/2 round head
*235	114946	4 4	WASHER .. Plain - No. 10 - Brass
*236	8032838	2 2	NUT .. Lock - 10-32 hex.
237	8094886	1 1	LAMP .. Engine room light - Medium screw base - 50 W. - 75 V.
238	8004613	1 1	GLOBE .. Clear glass
239	8047227	1 1	GUARD .. Globe
240	8315617	1 1	FITTING .. Lamp (2) 1 F.P.T. hubs @ side
241	8447008	1 1	BRACKET .. Lamp fitting mounting - Welds to water tank
*242	436733	2 2	SCREW .. Machine - Lamp fitting to bracket - 10-24 x 5/8 pan head
*243	121801	2 2	WASHER .. Lock - No. 10 - Internal teeth
244	8332374	1 1	SOCKET .. Lamp - Includes mounting screws and washers
245	8116953	A.R.	CONDUIT .. 1/2 in. rigid aluminum 12 ft. (13-3/32 in. required)
246	8113581	A.R.	CONDUIT .. 3/4 in. rigid aluminum 12 ft. (11-7/16 in. required)
247	8116843	A.R.	CONDUIT .. 1 in. rigid aluminum 10 ft. (62-7/16 in. required)
248	8459618	A.R.	CONDUIT .. 3/8 in. liquid tight flexible metallic - Sold per foot (21 in. required)
249	8391550	A.R.	LOOM .. .325 I.D. fiber glass insulation - Sold per foot (60 in. required)
250	8468611	A.R.	CABLE .. 14 AWG. - LF insl. - 500 ft. roll (90 ft. required)
251	8475588	A.R.	CABLE .. 18 AWG. - TFE insl. - 500 ft. roll (80 ft. required)
*252	8250906	9 9	TERMINAL .. Insl. - Female faston tab - Blue - No. 12 to 16 AWG.
*253	8380934	8 8	TERMINAL .. Insl. - Female faston tab - Red - No. 18 to 22 AWG.
254	8425056	3 3	PLUG .. Temperature switch - 3 pole female
255	8453146	1 1	RECEPTACLE .. Governor - 16 pole female
256	8143009	1 1	NIPPLE .. Conduit - 3/4 M.P.T. x 2 in. long
257	8038555	1 1	BUSHING .. Conduit reducing - 3/4 M.P.T. x 1/2 F.P.T.
258	8038557	1 1	BUSHING .. Conduit reducing - 1 M.P.T. x 3/4 F.P.T.
259	8038595	1 1	BUSHING .. Insulating - 3/4 F.P.T.
260	8326142	1 1	FITTING .. Type "T" box - 3/4 F.P.T.
261	8326172	1 1	COVER .. Fitting - Includes mounting screws and gasket
262	8363476	1 1	CONNECTOR .. 3/8 liquid tight conduit - 1/2 F.P.T. - Straight
263	8459620	1 1	FERRULE .. 3/8 liquid tight conduit
264	8108197	1 1	CLAMP ASSEMBLY .. Hanger - 1/2 in. conduit - 6 in. long
265	8108214	1 1	CLAMP ASSEMBLY .. Hanger - 3/4 in. conduit - 8 in. long
266	8108217	2 2	CLAMP ASSEMBLY .. Hanger - 1 in. conduit - 8 in. long
267	8444661	1 1	GUARD ASSEMBLY .. Air compressor drive shaft - Welds to rack
268	8470425	1 1	GUARD ASSEMBLY .. Air compressor flexible coupling
269	8458487	1 1	GUARD ASSEMBLY .. Engine end auxiliary flexible coupling and compressor drive shaft
270	179829	8 8	BOLT .. Guard to rack - 3/8-16 x 1 hex. head
271	103321	8 8	WASHER .. Lock - 3/8
272	8027437	1 1	ELBOW .. 1/2 tube x 1/2 M.P.T. - 90°

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

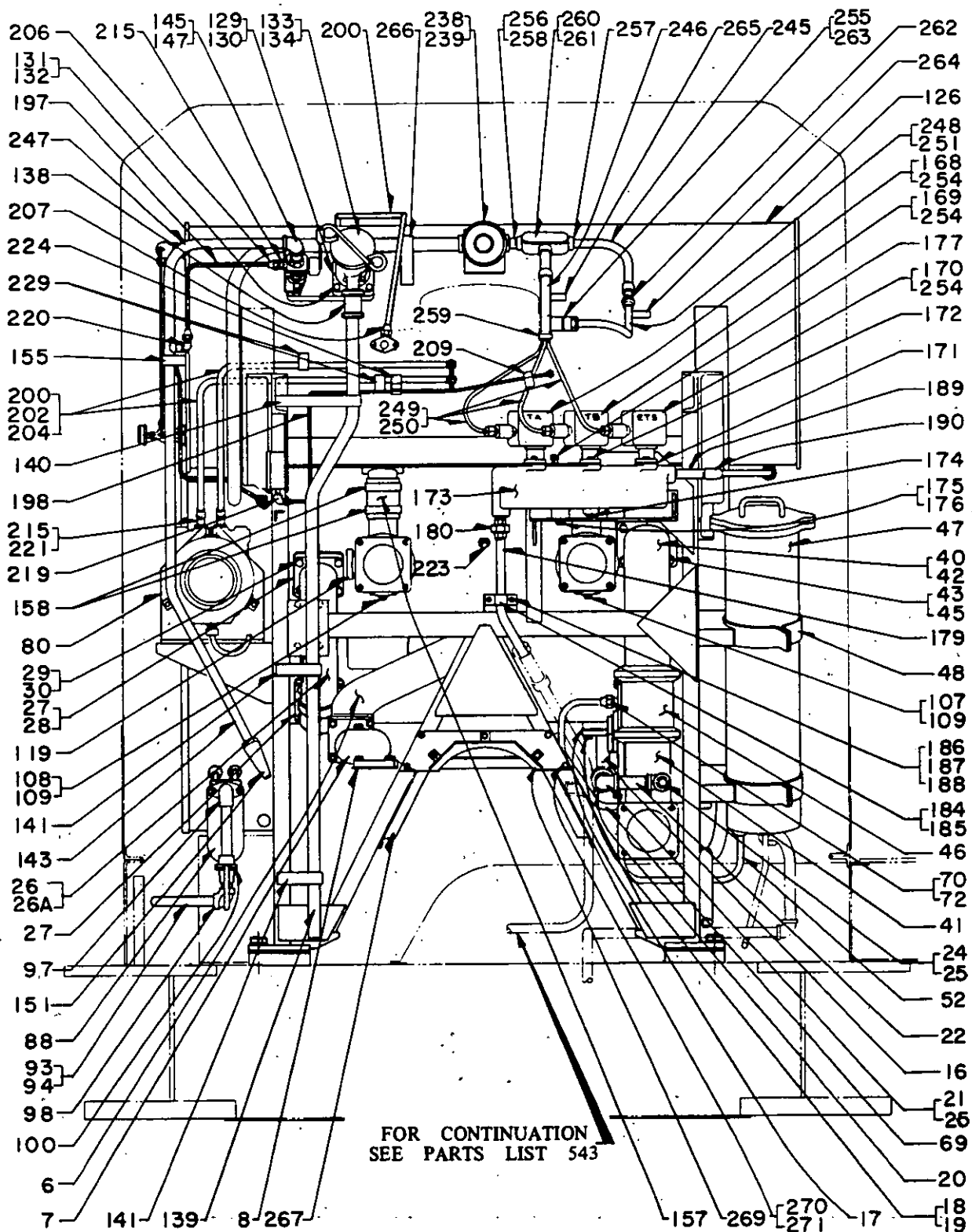


RIGHT SIDE VIEW

PLATE B1007-E-1

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT



FRONT VIEW

PLATE B1007-E-2

This diagram is a detailed exploded view of a mechanical assembly, likely a machine tool or a complex engine component. It features a large central body with various internal and external parts. The assembly is shown in a disassembled state to illustrate the relationship between components. Numerous callout numbers are present, pointing to specific parts. The numbers are organized into several groups:

- Top Left:** 259, 248, 251, 230, 207, 210, 211, 212, 213, 272, 255, 263, 205, 200, 225, 198, 190, 208, 114, 115, 117, 113, 11, 13, 14, 8, 7, 12, 13, 14.
- Top Center/Right:** 262, 239, 238, 237, 240, 244, 260, 261, 241, 228, 200, 257, 245, 265, 264, 246, 126, 231, 193, 192, 194, 196, 192, 31, 195, 218, 201, 203, 204, 127, 128, 61A, 61B, 32, 33, 34, 107, 5, 4, 270, 271, 268, 1, 69, 70, 71, 2, 3, 62, 10, 13, 14.
- Center/Right:** 127, 128, 47, 224, 58, 59, 57, 16, 17, 18, 14, 270, 271, 48, 49, 50, 51, 69, 74, 63, 52, 24, 25, 56, 52, 53, 54, 55, 73, 65, 66, 67, 68.
- Bottom Left:** 269, 10, 13, 14, 5, 4, 6, 42, 44, 45, 41.

The diagram uses a combination of solid and dashed lines to represent different views and assembly paths. The callout numbers are arranged in a way that allows for easy identification of each part within the overall assembly.

PLATE B1007-E-3

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

GT22HW and JT22CW-2 Locomotive
PLATES B1007-E-1, 2 and 3

Ref. No.	Part Number	No. Req.	Description
		A	GT22HW Locomotive
		B	JT22CW-2 Locomotive
1	9512322	1	TANK ASSEMBLY .. Water
1	9500817	1	TANK ASSEMBLY .. Water
2	9500899	1	FILTER ASSEMBLY .. Lube oil - See Parts List 940
3	8365864	1	EXCHANGER .. Heat - Lube oil cooler
4	8211287	1	EXCHANGER .. Heat - Fuel oil - See Parts List 780
5	8379120	1	FILTER ASSEMBLY .. Fuel oil - See Parts List 750
6	8302492	1	PUMP ASSEMBLY .. Fuel - See Parts List 4140
7	8423587	1	REGULATOR ASSEMBLY .. Load - See Parts List 4522
8	8341983	1	STRAINER ASSEMBLY .. Fuel - See Parts List 750
9	9512585	1	CABINET ASSEMBLY .. A.C.
9	9501040	1	CABINET ASSEMBLY .. A.C. } See Parts List 3239
10	8424293	1	SWITCH .. Temperature - TA
11	8424295	1	SWITCH .. Temperature - TB } See Parts List 5524
12	8448173	1	SWITCH .. Temperature - ETS
13	8367623	1	MANIFOLD .. Temperature switch
14	8314926	3	GASKET .. Switch to manifold
15	8094886	1	LAMP .. Engine room light - Medium screw base - 50 watts - 75 volts
16	8004613	1	GLOBE .. Clear glass
17	8047227	1	GUARD .. Globe
18	8273218	1	FITTING .. Lamp
19	8332374	1	SOCKET .. Lamp - Includes mounting screws and washers
20	8453146	1	RECEPTACLE .. Governor - 16 pole female
21	8425056	3	PLUG .. Temperature switch - 3 pole female
22	8468611	A.R.	CABLE .. 14 AWG - LF heavy wall insul. - 500 ft. roll - Approx. 140 ft. required
22A	8468612	AR	CABLE .. 12 AWG - LF insul. - 500 ft. roll - Approx. 30 ft. required
23	8472022	A.R.	CABLE .. 14 AWG - LF thin wall insul. - 500 ft. roll - Approx. 38 ft. required
24	8475588	-AR	CABLE .. 18 AWG - TFE insul. - 500 ft. roll - Approx. 94 ft. required
25	8391550	-AR	LOOM .. Cable insulation - 5 ft. required
26	8231594	1	GAUGE .. Lube oil pressure - See Parts List 1805
27	9323489	1	INDICATOR .. Filter by pass
28	8371276	1	GAUGE .. Water level - See Parts List 544
29	9327526	1	GAUGE .. Sight - Lube oil filter
30	9321340	1	COUPLER .. Quick - Male - Lube oil filter
31	8268162	3	WELL .. Thermometer
*32	8099907	1	GAUGE .. Temperature - See Parts List 1805
33	9501775	1	RECEIVER .. Fuel level gauge
34	9091415	1	VALVE .. Mixing - Thermostatic - See Parts List 780
*35	8458052	1	NECK .. Water tank filler
35	9323491	1	NECK .. Water tank filler - Formerly 8458052
36	8306501	1	GASKET .. Flange to water tank
37	8424925	1	GASKET .. Neck to water tank flange
*38	9087321	1	CAP .. Water tank - 7 P.S.I.
38	9323490	1	CAP .. Water tank - 7 P.S.I. - Formerly 9087321
39	9330855	1	VALVE .. Ball cock - 3/4
40	8221295	1	COUPLING .. Flanged - Heat exchanger
41	8320107	1	COUPLING .. Flanged - Heat exchanger

9501521C 9501522 9501784
9501493 9513477B

AUGUST, 1980

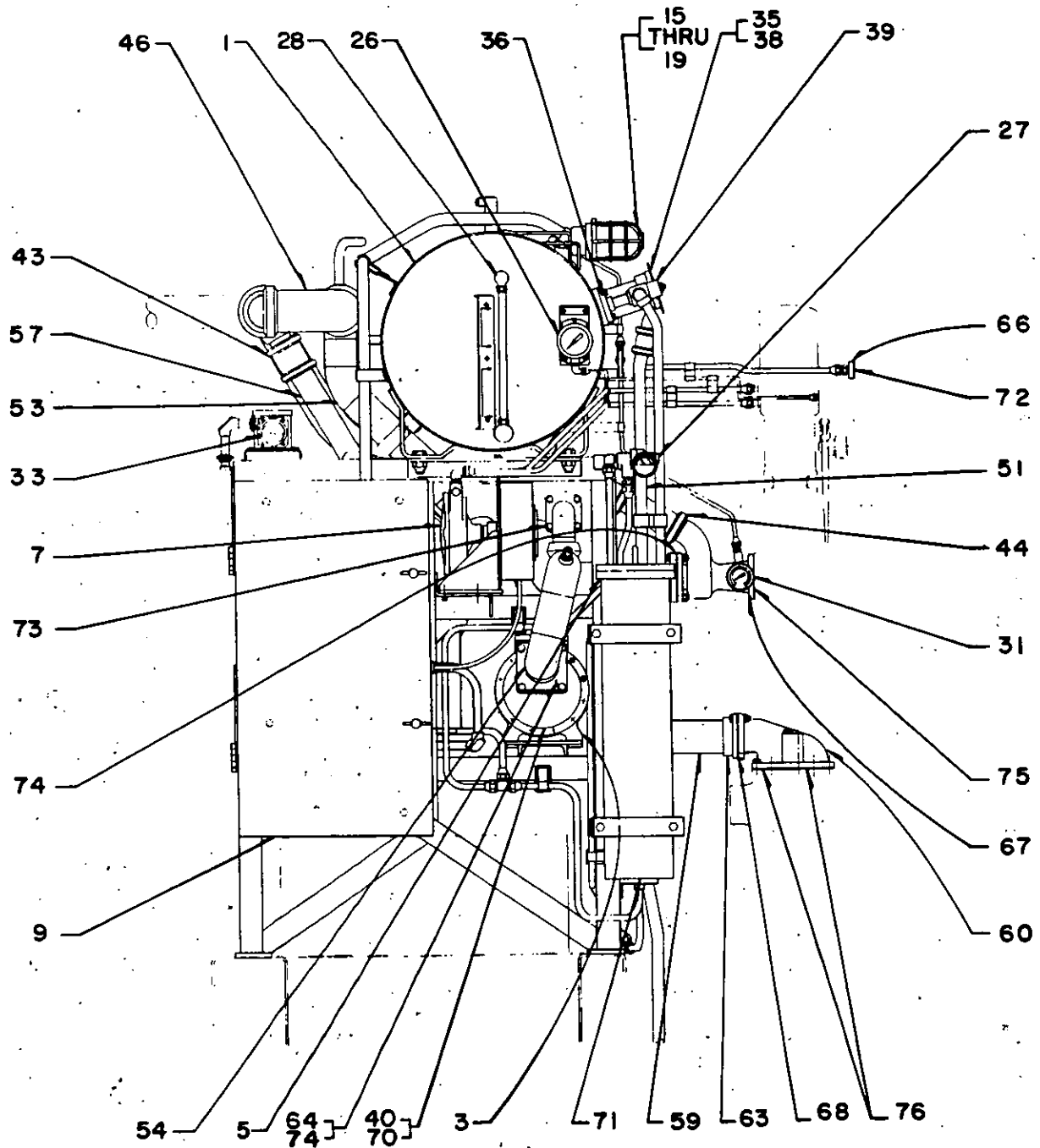
C1007-E

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description	
		A -	GT22HW Locomotive	
		B -	JT22CW-2 Locomotive	
42	8470340	1 1	COUPLING .. Flexible - Water tank - 1 inch	} See P.L. 1801
43	8474757	1 2	COUPLING .. Flexible - Lube oil filter pipe - 2 inch	
44	8479676	- 2	COUPLING .. Flexible - Water tank - 2 inch	
45	8471160	- 4	COUPLING .. Flexible - Water pump to exchanger - 3 inch	
46	8455470	- 1	COUPLING .. Flexible - 90° - Radiators	
47	8484603	- 1	COUPLING .. Flexible - 90° - Lube oil filter to strainer	
48	8476711	- 1	COUPLING .. Flexible - Temp. manifold to radiator pipe - 1/2 inch	
49	9500950	1 1	PIPE ASSEMBLY .. Lube oil heat exchanger	
50	9501183	1 1	PIPE ASSEMBLY .. Lube oil filter	
51	9500903	1 1	PIPE .. Water tank	
52	9501932	- 1	PIPE ASSEMBLY .. Radiator to heat exchanger	
53	9501064	- 1	PIPE ASSEMBLY .. Radiator to heat exchanger	
54	9501145	- 1	PIPE ASSEMBLY .. Lube oil filter	
55	9501659	- 1	PIPE ASSEMBLY .. Lube oil filter to strainer	
56	9311897	- 2	PIPE ASSEMBLY .. Water pump inlet	
57	9501165	- 1	PIPE ASSEMBLY .. Radiator to heat exchanger	
58	9501066	- 1	PIPE ASSEMBLY .. Lube oil filter to strainer	
59	9501178	- 1	TUBE ASSEMBLY .. Lube oil filter to scavenging oil pump	
60	8366010	- 1	ELBOW .. Scavenging oil pump	
61	9311330	1 1	FLANGE .. Heat exchanger	
62	8164162	1 1	FLANGE .. Lube oil filter	
63	8038896	- 2	FLANGE .. Lube oil filter and scavenging oil pump	
64	8126274	- 1	FLANGE .. Heat exchanger	
65	8302380	- 1	FLANGE .. Heat exchanger	
66	8156588	- 1	FLANGE .. Lube oil filter vent	
67	9503023	- 2	TEE .. Engine water inlet	
68	8366787	1 3	GASKET .. Flange	
69	8388197	2 2	GASKET .. Flange - Heat exchanger	
70	8213940	2 2	GASKET .. Flanged coupling - Heat exchanger	
71	8306502	1 2	GASKET .. Flange - Fuel oil filter	
72	8058257	- 1	GASKET .. Flange - Lube oil filter vent	
73	8302381	- 1	GASKET .. Flange to flange - Heat exchanger	
74	8352787	- 4	GASKET .. Flange	
75	8366785	- 3	GASKET .. Flange	
76	8388264	- 2	GASKET .. Flange	
77	8269618	- 1	GASKET .. Flange - Lube oil filter	

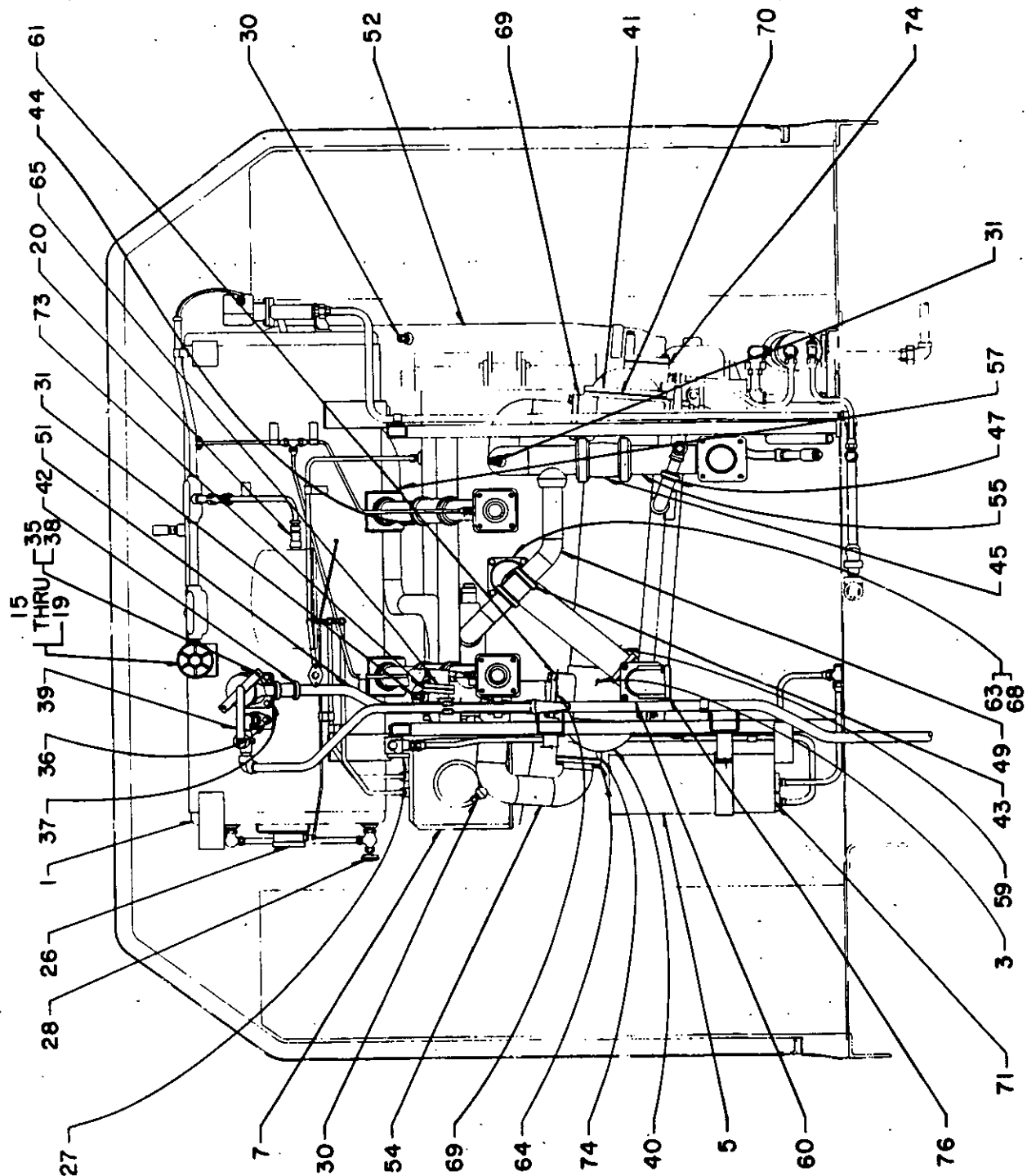
ACCESSORY RACK EQUIPMENT



RIGHT SIDE VIEW
PLATE B1007-E4

P.L. No. C1007-E

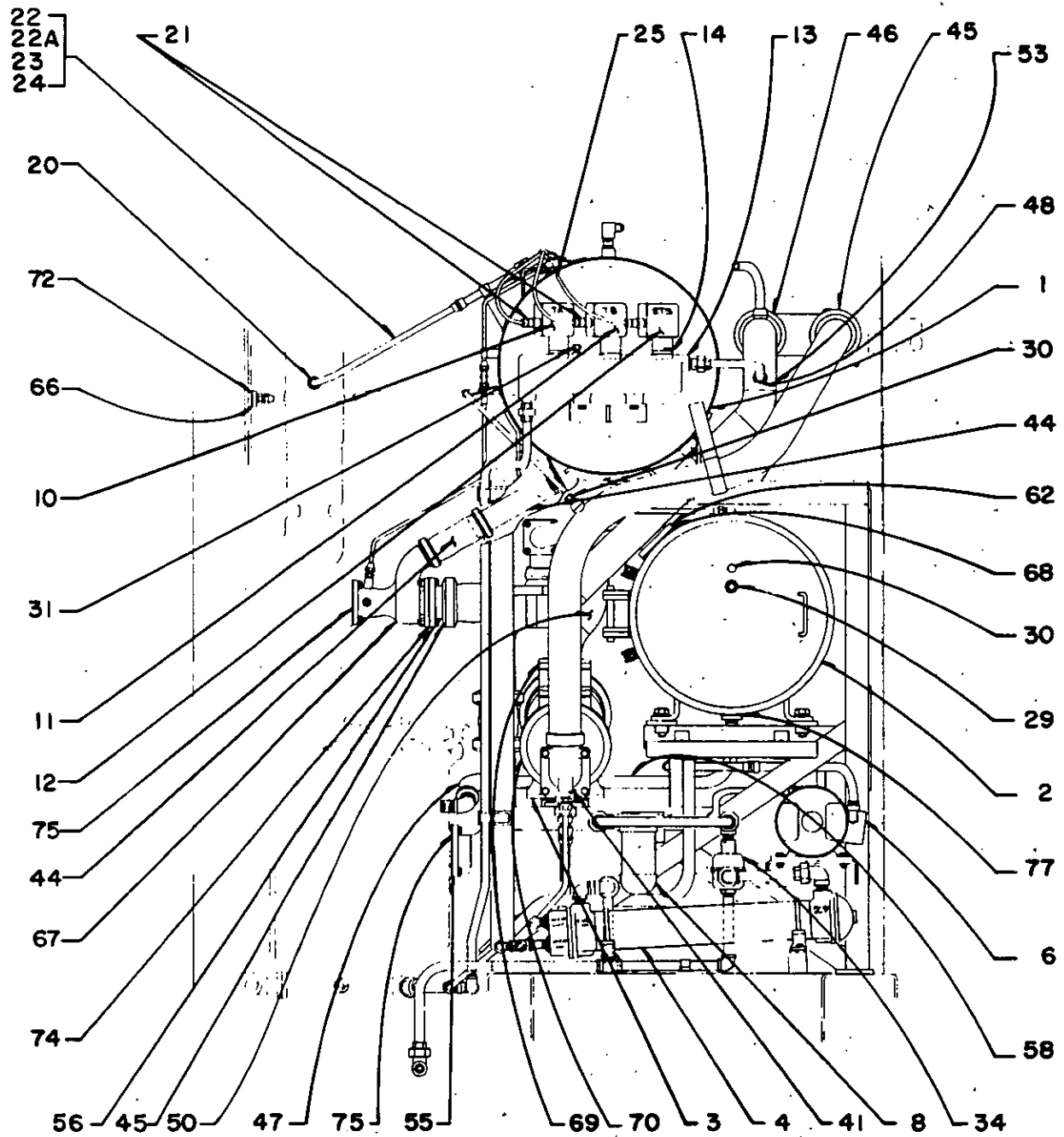
ACCESSORY RACK EQUIPMENT



FRONT VIEW
 PLATE B1007-E5

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT



LEFT SIDE VIEW
PLATE A1007-E6

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

GT26CW Locomotive
PLATE A1007-E-7 and 8

Ref. No.	Part Number	No. Req.	Description
1	9096754	1	FILTER ASSEMBLY .. Lube oil - See parts list 940 - Replaces 8411945
2	271656	4	BOLT .. Filter mounting - 7/8-9 x 2 hex. head
3	9335019	4	NUT .. Lock - 7/8-9 hex. - Formerly 9416524
4	8033896	2	FLANGE .. Filter oil inlet tube
5	8366787	2	GASKET .. Filter oil inlet tube flange
6	9334806	1	TUBE .. Filter oil inlet - Formerly 8320262
7	8252720	1	ELBOW .. Scavenging pump
8	8251951	1	GASKET .. Scavenging pump elbow
9	179883	4	BOLT .. Flange to filter - 1/2-13 x 1-1/4 hex. head
10	179890	4	BOLT .. Flange to scavenging pump elbow - 1/2-13 x 2 hex. head - Formerly 179889
11	179885	7	BOLT .. Scavenging pump elbow - 1/2-13 x 1-1/2 hex.
12	187152	3	BOLT .. Scavenging pump elbow - 1/2-13 x 5 hex. head
13	103343	18	WASHER .. Plain - 1/2
14	103323	18	WASHER .. Lock - 1/2
15	102637	4	NUT .. 1/2-13 hex.
*16	8444650	1	PIPE .. Flanged - Filter drain
*17	8269618	1	GASKET .. Filter drain flanged pipe
*18	179883	2	BOLT .. Flanged pipe to filter - 1/2-13 x 1-1/4 hex. head
*19	103323	2	WASHER .. Lock - 1/2
20	8119862	1	NIPPLE .. Pipe - 1 M.P.T. x 2-1/2 in. long
21	8432770	1	PIPE .. 1 M.P.T. x 4-3/16 in. long
22	119100	2	ELBOW .. 1 F.P.T. - 90°
*23	8153843	1	NIPPLE .. Pipe - 1 M.P.T. x 6 in. long (threaded one end only)
24	8472849	1	COUPLING ASSEMBLY .. Flexible - Replaces 8427112 - See P.L. 1801
*25	8479521	2	CLAMP ASSEMBLY .. Coupling - Replaces 8337314
*26	8478319	2	BOLT .. Square neck - 5/16-18 x 2 round head - Replaces 8318394
*27	8032758	2	NUT .. Lock - 5/16-18 hex.
*28	8479534	2	SEAL ASSEMBLY .. Coupling - Replaces 8337313
*29	8479544	2	SEAL .. Rubber - Replaces 8337315
*30	8271811	1	TUBE ASSEMBLY .. Filter oil outlet and cooler inlet
*31	8354344	2	GASKET .. Tube to filter and cooler
*32	179885	8	BOLT .. Tube to filter and cooler - 1/2-13 x 1-1/2 hex. head
*33	103323	8	WASHER .. Lock - 1/2
33A	9321340	1	COUPLER .. Quick disconnect - 1/4 M.P.T. - Formerly 8367564
33B	9327526	1	GAUGE .. Sight - 3/4-14 M.P.T.
34	8412061	1	COOLER ASSEMBLY .. Lube oil - See Parts List 938
35	179889	8	BOLT .. Cooler mounting - 1/2-13 x 2 hex. head
36	103323	8	WASHER .. Lock - 1/2
37	106237	8	NUT .. 1/2-13 hex.
38	8412761	2	BOLT .. Cooler adjusting - Ball point
39	8412853	4	NUT .. Flange - Adjusting bolt - 1/2-20 thread
40	221465	2	CLEVIS .. Adjusting bolt - 1/2-20 thread
41	103498	2	PIN .. Clevis - 5/8 x 1.359 in. long
42	103385	2	PIN .. Cotter - 1/8 x 1 in. long
*43	8357014	1	ELBOW .. Oil return - Cooler to flexible coupling
44	8357015	1	ELBOW .. Oil return - Flexible coupling to strainer
45	8366785	2	GASKET .. Elbows to cooler and strainer
*46	179885	4	BOLT .. Elbow to cooler - 1/2-13 x 1-1/2 hex. head
47	181432	4	BOLT .. Elbow to strainer - 1/2-20 x 1-5/8 hex. head
48	103323	8	WASHER .. Lock - 1/2
*48A	8488709	2	BRACKET ASSEMBLY .. Cooler mounting
49	8379120	1	FILTER ASSEMBLY .. Fuel oil - See Parts List 750 - Formerly 8356717
50	8283100	2	STRAP .. Filter mounting
51	179885	4	BOLT .. Strap to bracket - 1/2-13 x 1-1/2 hex. head
52	103323	4	WASHER .. Lock - 1/2
53	106237	4	NUT .. 1/2-13 hex.
54	8116729	A.R.	TUBING .. 5/8 O.D. x .049 wall copper 50 ft. (Approximately 13 ft. 6 in. required)
55	8173563	2	FLANGE .. Swivel
56	8231713	2	INSERT .. Swivel flange
8446543 P	9510396B		

} Formerly applied

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
57	8306502	2	GASKET .. Swivel flange to filter
58	179882	2	BOLT .. Swivel flange to filter - 1/2-13 x 1-1/8 hex. head
59	144308	2	NUT .. 1/2 tube
60	109429	1	ELBOW .. 5/8 tube x 1/2 M.P.T. - 90°
*61	8040322	1	CONNECTOR .. 5/8 tube x 3/4 M.P.T.
62	8118114	2	CLAMP ASSEMBLY .. 5/8 tube
63	8341983	1	STRAINER ASSEMBLY .. Fuel oil suction - See Parts List 750
64	8302492	1	PUMP ASSEMBLY .. Fuel oil - See Parts List 4140
*65	179841	3	BOLT .. Filter mounting - 3/8-16 x 1-1/4 hex. head
66	179843	4	BOLT .. Pump mounting - 3/8-16 x 1-1/2 hex. head
67	103321	7	WASHER .. Lock - 3/8
68	106263	4	WASHER .. Plain - 7/16
69	102635	7	NUT .. 3/8-16 hex.
70	8116729	A.R.	TUBING .. 5/8 O.D. x .049 wall copper 50 ft. (Approx. 27 inches required)
71	144308	2	NUT .. 5/8 tube
72	8040322	1	CONNECTOR .. 5/8 tube x 3/4 M.P.T.
73	144283	1	ELBOW .. 5/8 tube x 1/2 F.P.T. - 90°
74	189611	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2-1/2 in. long
75	8455574	A.R.	CONDUIT .. 1/2 in. liquid tight flexible metallic - 25 feet - (Approximately 18 inches required) - Formerly 8240495
*76	8330797	1	CONNECTOR .. Liquid tight conduit - 1/2 F.P.T. - Straight
77	8250975	1	CONNECTOR .. Liquid tight conduit - 1/2 M.P.T. - Straight
*78	8116953	A.R.	CONDUIT .. 1/2 in. rigid aluminum 12 ft. (Approx. 5 ft. required)
*79	8038594	1	BUSHING .. Insulating - 1/2 F.P.T.
*80	8038584	2	NUT .. Lock - 1/2 in. conduit
81	8108115	2	CLAMP ASSEMBLY .. 1/2 in. conduit
*82	8453918	1	REGULATOR ASSEMBLY .. Load
*82	8358093	1	REGULATOR ASSEMBLY .. Load } See Parts List 4522
83	8254773	4	BOLT .. Regulator mounting - 3/8-16 x 2 hex. head
84	103321	4	WASHER .. Lock - 3/8
85	106263	4	WASHER .. Plain - 7/16
86	102635	4	NUT .. 3/8-16 hex.
*87	9510345	1	CABINET ASSEMBLY .. A.C. } See Parts List 3239 -
*87	8446870	1	CABINET ASSEMBLY .. A.C. }
88	8333051	1	FILTER .. Centrifugal air - See Parts List 1090
*89	180171	2	BOLT .. Filter to cabinet
90	8344473	1	CABLE ASSEMBLY .. A.C. cabinet to load regulator
91	----	1	PLATE .. Name - Danger 215V
92	145372	4	SCREW .. Drive - No. 4 x 3/16 round head
93	8081300	1	ELBOW .. Flanged - 3/4 I.P.S. solder
94	8306501	1	GASKET .. Elbow to filter
95	179881	1	BOLT .. Elbow to filter - 1/2-13 x 1 hex. head
96	8154251	1	NIPPLE .. Pipe - 3/4 M.P.T. x 6-1/2 in. long (threaded one end only)
97	8355807	1	VALVE .. Ball cock - 3/4 F.P.T. - See Parts List 1850
98	8116753	A.R.	PIPE .. 3/4 in. extra strong wrought steel 20 ft. (Appr. 10 in. req'd.)
99	8044169	1	ELBOW .. Union - 3/4 F.P.T. - 90°
*100	179885	3	BOLT .. Cabinet mounting - 1/2-13 x 1-1/2 hex. head
*101	179891	1	BOLT .. Cabinet mounting - 1/2-13 x 2-1/2 hex. head
*102	9335011	4	NUT .. Lock - 1/2-13 hex. - Formerly 9416517
103	8362625	1	BOX ASSEMBLY .. Junction
104	8441983	1	SWITCH .. Rotary - Fuel prime - Engine start
105	----	1	PLATE .. Name - Fuel prime - Engine start
106	145369	4	SCREW .. Drive - No. 4 round head
107	8116843	A.R.	CONDUIT .. 1 in. rigid aluminum 10 ft. (Approximately 3 ft. required)
108	8038596	1	BUSHING .. Insulating - 1 F.P.T.
109	8038586	2	NUT .. Lock - 1 inch conduit
110	8455575	A.R.	CONDUIT .. 1 inch liquid tight flexible metallic - Sold per foot - 25 feet (Approximately 18 inches required) - Formerly 8240496
*111	8251628	1	CONNECTOR .. Liquid tight conduit - 1 F.P.T. - Straight
112	8334554	1	CONNECTOR .. Box - Liquid tight conduit - 1 inch

Formerly
AppliedFormerly
Applied

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
*113	8468611	A.R.	CABLE .. 14 - LF - 500 ft. - (44 ft. required) - Form. 8283763
*114	8250906	14	TERMINAL .. Insl. - Female faston tab - Blue - No. 12 to 16 AWG.
115	8108217	2	CLAMP ASSEMBLY .. Conduit support
φ 116	9329603	2	TEE .. Water pump inlet - Left and right side - Formerly 8359016
φ 116	9318892	1	TEE .. Water pump inlet - Right side
φ 117	9318891	1	TEE .. Water pump inlet - Left side
φ 117	8359082	1	TEE .. Water pump inlet - Right side - Formerly applied
*118	8354344	2	GASKET .. Elbow to lube oil cooler
*119	179885	8	BOLT .. Elbow to lube oil cooler - 1/2 - 13 x 1-1/2 hex. head
*120	103323	8	WASHER .. Lock - 1/2
121	8347788	2	COUPLING ASSEMBLY .. Flexible - Water pump inlet - See Parts List 1801
122	8366785	4	GASKET .. Coupling to elbow and water pump
123	179885	8	BOLT .. Coupling to water pump - 1/2 - 13 x 1-1/2 hex. head
124	179890	8	BOLT .. Coupling to elbow - 1/2 - 13 x 2-1/4 hex. head
125	103323	16	WASHER .. Lock - 1/2
126	102637	8	NUT .. 1/2 - 13 hex.
127	8099907	1	GAUGE .. Engine water inlet - Repl. 8232106 - See P.L. 1805
128	8231594	1	GAUGE .. Lube oil pressure gauge
φ 129	113956	3	SCREW .. Machine - Gauge mounting - 1/4 - 20 x 5/8 round head
φ 129	114354	3	SCREW .. Machine - Gauge mounting - 1/4 - 20 x 5/8 fillister head
130	103319	3	WASHER .. Lock - 1/4
131	109084	3	NUT .. 1/4 - 20 hex.
φ 132	8454182	1	TANK ASSEMBLY .. Water
φ 132	9502839	1	TANK ASSEMBLY .. Water - Formerly 8443998
133	271656	4	BOLT .. Tank mounting - 7/8 - 9 x 2 hex. head
134	9335019	4	NUT .. Lock - 7/8 - 9 hex. - Replaces 9416524
φ 135	9323491	1	NECK .. Water tank filler
φ 135	8447421	1	NECK .. Water tank filler
136	8424925	1	GASKET .. Neck to water tank
*137	179839	4	BOLT .. Neck to water tank - 3/8 - 16 x 1 hex. head
*138	103321	4	WASHER .. Lock - 3/8
φ 139	9323490	1	CAP ASSEMBLY .. Water tank filler - 7 P.S.I.
φ 139	9087321	1	CAP ASSEMBLY .. Water tank filler - Spring loaded - 7 P.S.I. - Repl. 9082048
140	8164049	1	SEAL .. Includes wire - Filler cap
141	8436549	1	GAUGE .. Water tank water level - See Parts List 544
142	----	1	PLATE .. Instruction - "Water Level"
143	171577	3	SCREW .. Machine - Instruction plate - 10 - 32 x 1/2 round head
144	----	1	PLATE .. Instruction - "Caution"
145	145369	4	SCREW .. Drive - No. 4 x 3/16 round head
146	8173558	1	FLANGE .. Swivel
147	8173557	1	INSERT .. Swivel flange - 3/4 I.P.S. socket weld - Formerly 8173547
148	8306501	1	GASKET .. Swivel flange to water tank
*149	179885	2	BOLT .. Swivel flange to water tank - 1/2 - 13 x 1-1/2 hex. head
*150	103323	2	WASHER .. Lock - 1/2
*151	8087567	1	NIPPLE .. Pipe - 3/4 M.P.T. x 1-3/8 in. long
152	8441325	1	VALVE .. Ball cock - Vented - 3/4 F.P.T.
153	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
154	119099	1	ELBOW .. 3/4 F.P.T. - 90°
155	8241559	1	OUTLET .. Pipe - 3/4 F.P.T.
156	8416818	1	CONNECTION .. Hose - 3/4 F.P.T.
157	8116936	A.R.	PIPE .. 3/4 in. standard wrought steel 20 ft. (Approx. 49 in. required)
158	8116937	A.R.	PIPE .. 1 in. standard wrought steel 20 ft. (Approx. 68 in. required)
159	8108348	1	CLAMP ASSEMBLY .. 3/4 in. pipe - Formerly 8108222
160	8302610	1	CLAMP ASSEMBLY .. 1 in. conduit - Formerly 8137203
161	8441782	2	HOSE .. Split - Water filler pipe vibration absorbing - Previously applied
162	8108232	1	CLAMP ASSEMBLY .. 1 inch pipe
163	8108217	2	CLAMP ASSEMBLY .. 1 inch pipe
164	8060971	2	NIPPLE .. Pipe - 1/4 M.P.T. x 1-1/2 in. long

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
165	118576	1	ELBOW .. 3/8 tube x 1/4 F.P.T. - 90°
166	8116856	A.R.	TUBING .. 3/8 O.D. x .042 wall copper 25 ft. (Approx. 6 in. required)
167	121758	2	NUT .. 3/8 tube
*168	8040313	1	CONNECTOR .. 3/8 tube x 3/8 M.P.T.
169	8392458	2	COUPLING ASY. .. Flexible - See P.L. 1801 - Formerly 8362588 hose
170	8166525	4	CLAMP .. Hose - Formerly applied with hose 8362588
171	8470605	1	COUPLING ASSEMBLY .. Flexible - Vent pipe - Repl. 8353446 - See P.L. 1801
172	8153114	1	NIPPLE .. Pipe - 3/4 M.P.T. x 4-1/2 in. long (threaded one end only)
173	218840	1	FITTING .. "Y" - 3/4 F.P.T.
174	8293437	1	VENTURI .. 3/4 M.P.T. x 2-1/2 in. long
175	8044169	1	ELBOW .. Union - 3/4 F.P.T. - 90°
φ 176	8424293	1	SWITCH .. Temperature - TA - No. 1 fan
φ 176	8409067	1	SWITCH .. Temperature - TA - No. 1 fan
φ 176	8441557	1	SWITCH .. Temperature - TA - No. 1 fan
φ 177	8441559	1	SWITCH .. Temperature - TB - No. 2 fan
*177	8409068	1	SWITCH .. Temperature - TB - No. 2 fan
*177	8424294	1	SWITCH .. Temperature - TB - No. 2 fan
*178	8409069	1	SWITCH .. Temperature - TC - No. 3 fan
*178	8424295	1	SWITCH .. Temperature - TC - No. 3 fan
*179	8379564	1	SWITCH .. Temperature - ETS - Hot engine
*179	8448173	1	SWITCH .. Temperature - ETS - Hot engine
180	8314926	4	GASKET .. Switch to manifold
181	179841	8	BOLT .. Switch to manifold - 3/8 - 16 x 1-1/4 hex. head
*182	8324136	4	PLUG .. Switch connection - 3 pole female
*182	8425056	4	PLUG .. Switch connection - 3 pole female
*183	8468611	A.R.	CABLE .. 14 AWG. - LF - 500 ft. (80 ft. required) Formerly 8283763
*184	8391550	A.R.	LOOM .. Cable - No. 0 - Sold per foot (12 feet required)
*185	8168447	1	CLAMP .. Insulated
*186	9419646	2	SCREW .. Tapping - Clamp mounting - 1/4 - 20 x 5/8 hex. washer head
*187	8038415	1	ELBOW .. Conduit - 1-1/4 F.P.T. x 1-1/4 M.P.T. - 90°
*188	8143093	1	NIPPLE .. Conduit - 1-1/4 M.P.T. x 1-5/8 in. long
*189	8038587	1	NUT .. Lock - 1-1/4 in. conduit
*190	8038597	1	BUSHING .. Insulating - 1-1/4 F.P.T.
191	8314924	1	MANIFOLD .. Temperature switch
192	8198592	3	PLUG .. Pipe - 3/4 M.P.T. - Slotted
193	179883	4	BOLT .. Manifold mounting - 1/2 - 13 x 1-1/4 hex. head
194	103323	4	WASHER .. Lock - 1/2
*195	8268162	1	WELL .. Thermometer
+196	8476711	1	COUPLING ASY. .. Flexible - Temp. switch manifold water line - Repl. 8347697 - See Parts List 1801
+197	8447029	1	PIPE .. Flanged
+198	8057487	1	GASKET .. Flanged pipe to manifold
+199	179883	2	BOLT .. Flanged pipe to manifold - 1/2 - 13 x 1-1/4 hex. head
+200	103323	2	WASHER .. Lock - 1/2
201	8094886	1	LAMP .. Engine room light - Medium screw base - 50 W. - 75 V.
202	8004613	1	GLOBE .. Clear glass
203	8047227	1	GUARD .. Globe
204	8315617	1	FITTING .. Lamp - (2) 1 F.P.T. hubs @ side
205	8332374	1	SOCKET .. Lamp - Engine room light
φ 206	8455575	A.R.	CONDUIT .. 1 inch liquid tight flex. metallic - 25 ft. (Approx. 43 inches required) Replaces 8240496 - Formerly applied
φ 206	8459618	A.R.	CONDUIT .. Flexible - 3/8 in. - Sold per foot
φ 207	8240530	2	CONNECTOR .. Liquid tight conduit - 1 inch - Straight - Formerly applied
φ 207	8459619	1	CONNECTOR .. Liquid tight conduit - 1/2 M.P.T. x 3/8 conduit
φ 208	8240528	1	RECEPTACLE .. Governor - 12 pole female - Formerly applied
φ 208	8453146	1	PLUG ASSEMBLY .. Governor - 16 pole female
209	8116843	A.R.	CONDUIT .. 1 in. rigid aluminum - 10 ft. (Approx. 64 inches required)

See P.L. 5524

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
φ 210	8108217	2	CLAMP ASSEMBLY .. 1 inch conduit
φ 210	8108197	2	CLAMP ASSEMBLY .. 1/2 inch conduit
*211	110500	2	SCREW .. Machine - Lamp fitting mounting - 10 - 24 x 1/2 round head
*212	121801	2	WASHER .. Lock - No. 10 - Internal teeth
φ*213	8283763	A.R.	CABLE .. 14 AWG. - SRG - D (Tan) Insul. - 100 ft. roll (190 ft. required) Formerly applied
φ*213	8475588	A.R.	CABLE .. 18 AWG. - TFE insulation - 500 ft. (Approx. 110 ft. required)
φ*213	8468611	A.R.	CABLE .. 14 AWG. - LF insulation - 500 ft. (Approx. 35 ft. required)
φ*214	8272337	14	TERMINAL .. Insulated female faston tab - Yellow - No. 12 to 16 AWG. - Form. applied
φ*214	8380934	8	TERMINAL .. Insulated female faston tab - Red - No. 18 to 22 AWG.
φ*214	8250906	2	TERMINAL .. Slip on - No. 14 wire - Blue insulation
φ*215	8123281	2	LUG .. Insulated - No. 10 stud hole - Green - Formerly applied
φ*215	8210498	2	LUG .. Insulated crimp type - No. 10 stud hole - Blue
216	8098593	A.R.	TUBING .. 1/4 O.D. x .028 wall copper brazed steel - Sold per foot - Available 20 ft. length (Approximately 5 ft. required)
217	8098594	A.R.	TUBING .. 3/8 O.D. x .028 wall copper brazed steel - Sold per foot - Available 20 ft. length (Approximately 8 ft. required)
218	8098595	A.R.	TUBING .. 1/2 O.D. x .035 wall copper brazed steel - Sold per foot - Available 20 ft. length (Approximately 15 ft. required)
219	116452	2	NUT .. 1/4 tube
220	121758	4	NUT .. 3/8 tube
221	120141	6	NUT .. 1/2 tube
222	8156588	1	FLANGE .. Oil line to overspeed housing
223	8058257	1	GASKET .. Flange to overspeed housing
224	8027428	1	CONNECTOR .. 1/2 tube x 1/2 M.P.T.
225	8040347	1	ELBOW .. 1/4 tube x 1/4 F.P.T. - 90°
226	118755	1	ELBOW .. 3/8 tube x 1/4 M.P.T. - 90°
227	8027437	3	ELBOW .. 1/2 tube x 1/2 M.P.T. - 90°
228	189368	1	ELBOW .. 1 F.P.T. x 1/2 F.P.T. - 90°
229	8108274	3	CLAMP ASSEMBLY .. 1/4 and 1/2 O.D. tubing
229	8108272	1	CLAMP ASSEMBLY .. 1/2 O.D. tubing
230	8108202	1	CLAMP ASSEMBLY .. 3/8 O.D. tubing
231	8108209	2	CLAMP ASSEMBLY .. 1/2 O.D. tubing
232	8108206	1	CLAMP ASSEMBLY .. 1/2 O.D. tubing
233	8333181	1	CLAMP ASSEMBLY .. 1/2 O.D. tubing
234	8168448	1	CLAMP .. Insulated
235	9419646	1	SCREW .. Tapping - Clamp mounting - 1/4 - 20 x 5/8 hex. washer head
236	8368908	1	COUPLING .. Rubber - Water tank overflow pipe
φ 237	8444664	1	GUARD ASSEMBLY .. Air compressor drive shaft - Engine end
φ 237	8458487	1	GUARD ASSEMBLY .. Air compressor drive shaft - Engine end
238	8444667	1	GUARD ASSEMBLY .. Air compressor drive shaft - Compressor end
239	179839	8	BOLT .. Guard mounting - 3/8 - 16 x 1 hex. head
240	103321	8	WASHER .. Lock - 3/8
241	8463553	1	VALVE ASSEMBLY .. Shutter
242	8452907	1	VALVE .. Ball cock - Vented - 3/8 F.P.T.
243	8108111	1	CLAMP ASSEMBLY .. Shutter valve
244	171654	2	SCREW .. Tapping - Plate to bracket - 6 - 32 x 5/8 pan head
245	....		OVERNIGHT HEATER EQUIPMENT - See P.L. No. 4250

ACCESSORY RACK EQUIPMENT

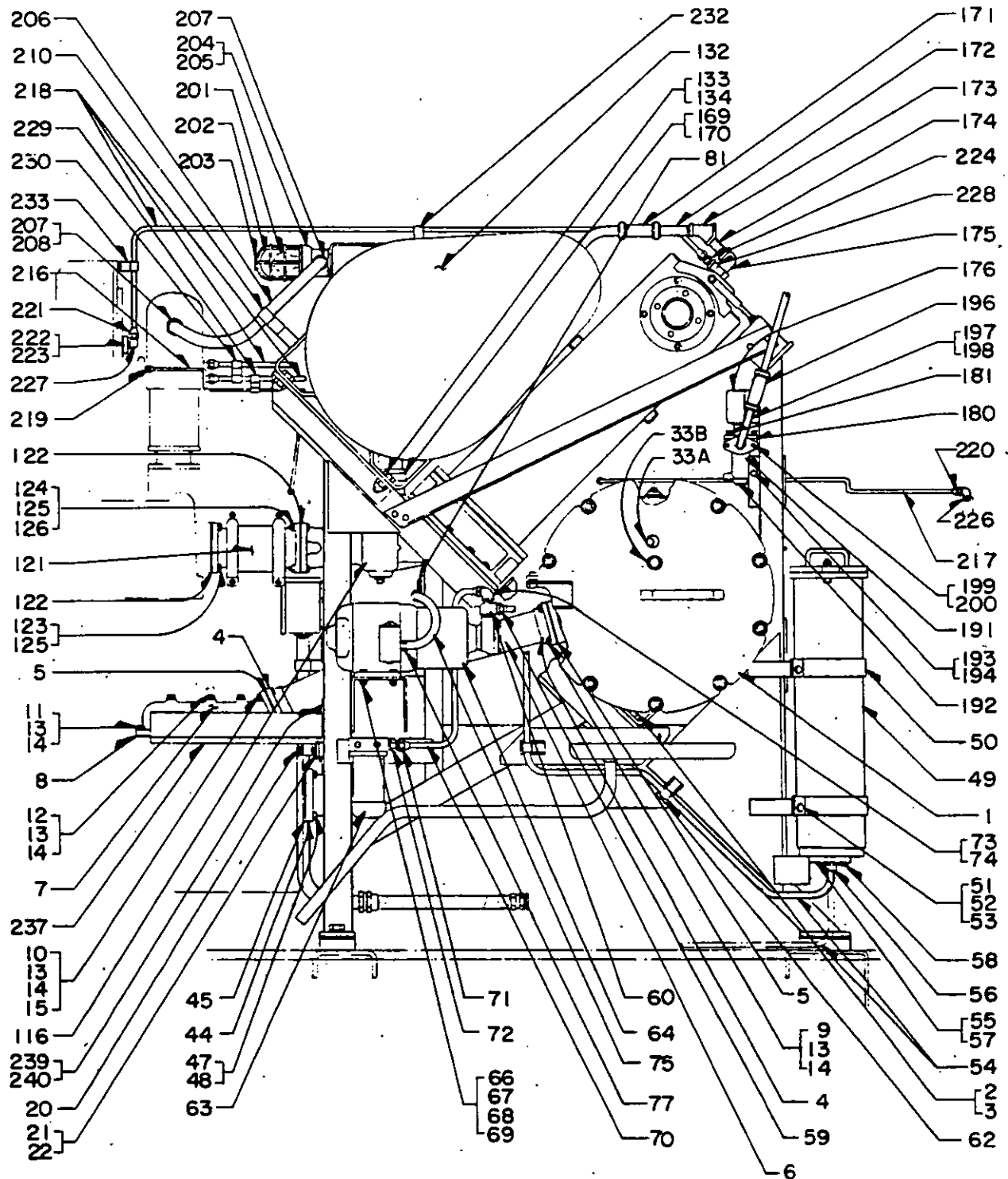
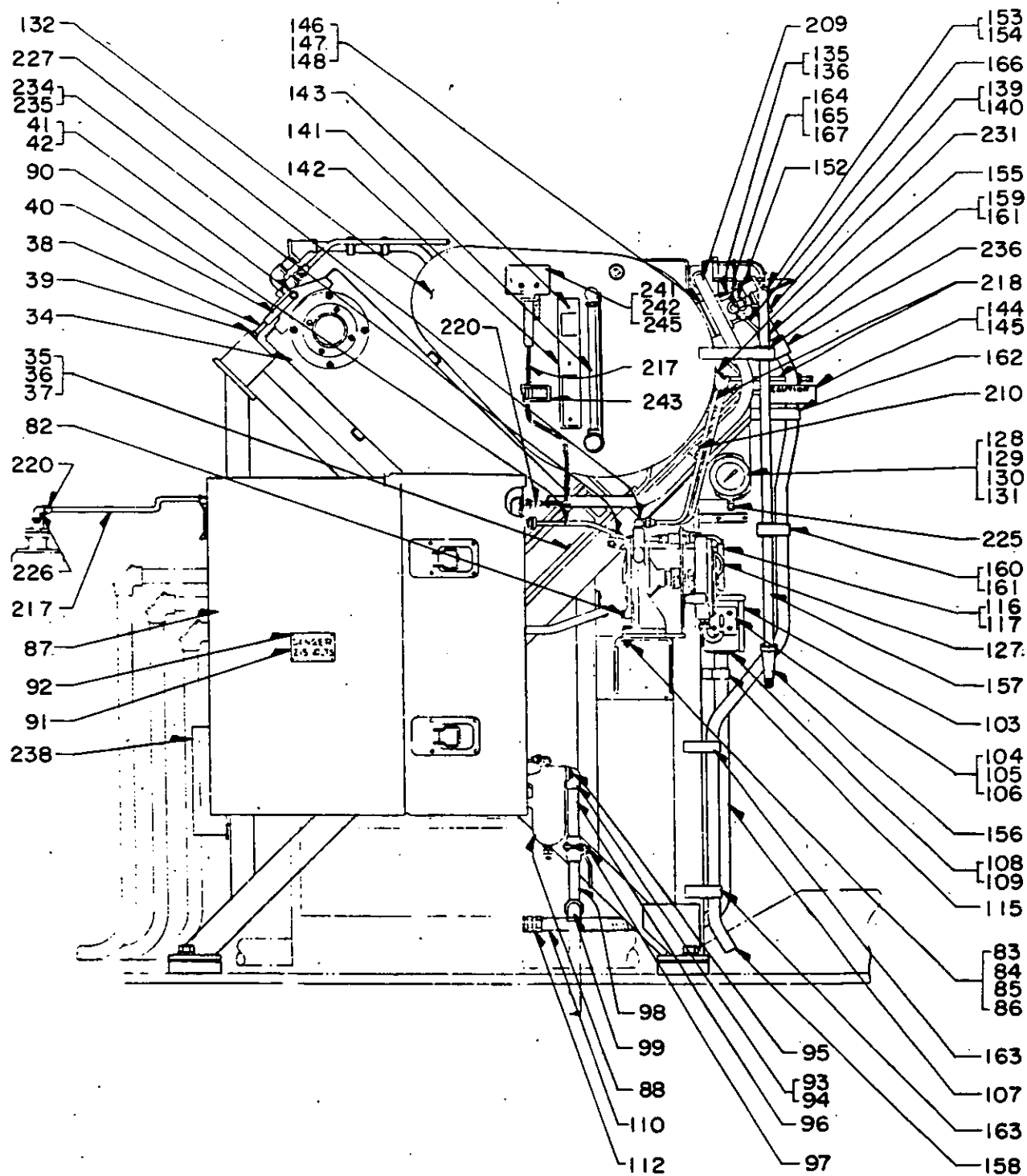


PLATE A1007-E-7

P.L. No. C1007-E

ACCESSORY RACK EQUIPMENT



RIGHT SIDE

PLATE A1007-E-8

Parts List No. B1045-E

INERTIAL AIR SYSTEM

Inertial Air Compartment Equipment
GT26CW Locomotive

PLATE A1045-E-1

Ref. No.	Part Number	No. Req.	Description
* 1	8446789	1	DOOR ASSEMBLY .. Compartment - 16-1/2 x 46-15/16 in.
* 2	8031902	1	HANDLE .. Door - Welds to door
* 3	8323832	3	HINGE .. Door - Welds to door and compartment
* 4	8324100	-	WEATHERSTRIP .. Rubber - Door seal (9ft. 9-5/8 in. required)
* 5	8352791	2	CHANNEL .. Door locking
* 6	8446888	2	ANGLE .. Clip - Door locking channel
* 7	8361006	2	BOLT ASSEMBLY .. Wing - 3/8-16 thread
* 8	116093	2	WASHER .. Plain - 3/8 - Brass
* 9	105606	2	NUT .. Wing bolt - 3/8-16 square - Welds to compartment
*10	455734	2	PIN .. Slotted spring - Wing bolt - 1/8 x 3/4 in. long
ø 11	8470837	1	CLOSURE ASSEMBLY .. Side - 50-3/4 in. lg. } Components same for
ø 11A	8446801	1	CLOSURE ASSEMBLY .. Side - 51-3/16 in. lg. } Ref. Nos. 11 and 11A.
12	8446749	1	SHEET .. Door - 12-1/2 x 13-1/2 in.
13	8424601	-	TAPE .. Rubber - Door sheet to closure - 1/8 in. x 1-1/4 in. x 50 ft. (47 inches required)
14	8255258	A.R.	ADHESIVE .. Gasket - 1 quart can
15	179814	8	BOLT .. 5/16-18 x 5/8 hex. head
16	103320	8	WASHER .. Lock - 5/16
*17	8324100	-	WEATHERSTRIP .. Rubber - Closure to compartment seal - Sold per foot (27 ft. required)
18	8424601	-	TAPE .. Rubber - Closure to structure - 1/8 in. x 1-1/4 in. x 50 ft. (36 ft. required)
19	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
20	8446783	1	BATTEN .. Closure mounting - Front
*21	8446784	1	BATTEN .. Closure mounting - Rear
ø*22	8446723	1	BATTEN .. Closure mounting - Top - 53-9/16 in. long
ø 22A	8471619	1	BATTEN .. Closure mounting - Top - 53-1/8 in. long
23	179816	35	BOLT .. 5/16-18 x 3/4 hex. head
24	103320	35	WASHER .. Lock - 5/16
25	8447339	2	FILTER ASSEMBLY .. Air intake - Left and right side
26	8447779	2	SCREEN ASSEMBLY .. Air intake - Left and right side
27	179885	72	BOLT .. Filter, screen and hood to compartment - 1/2-13 x 1-1/2 hex. head
28	103323	72	WASHER .. Lock - 1/2
*29	8275731	24	WASHER .. Plain - 1/2
*30	8133199	A.R.	TAPE .. Pressure sensitive - 1/16 x 1-7/8 in. x 100 ft.
31	8354880	2	HOSE .. Flexible - Air duct - 8 in. I.D. x 10-1/4 in. long
32	8264450	2	CLAMP .. Hose
33	8447148	1	DUCT .. Air intake
34	8448293	-	TAPE .. Rubber - Adhesive one side - 3/16 in. x 1-1/4 in. x 50 ft. - (4 ft. required)
35	179839	8	BOLT .. Air intake duct to blower - 3/8-16 x 1 hex. head
36	103321	8	WASHER .. Lock - 3/8
37	102635	8	NUT .. 3/8-16 hex.
38	8447850	1	ANGLE ASSEMBLY .. Blower housing - Welds to underframe
39	8446460	1	BLOWER ASSEMBLY .. Dust bin air discharge - See Page 3
40	3336393	1	COUPLING .. Pipe - 1/2 F.P.T. - Welds to compartment closure sheet
41	8123478	2	COUPLING .. Pipe - 3/4 F.P.T. - Welds to compartment closure sheet
42	140807	1	NIPPLE .. Pipe - 1/2 M.P.T. x 3 in. long
43	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
44	8040352	1	ELBOW .. 1/2 tube x 1/2 F.P.T. - 90°
46	8156823	1	ELBOW .. 5/8 tube x 3/4 F.P.T. - 90°
47	8040345	3	ELBOW .. 5/8 tube x 3/4 M.P.T. - 90°
48	8098595	-	TUBING .. 5/8 O.D. x .035 wall copper brazed steel - Sold per foot - Available 20 ft. length (7 ft. 1 in. required)

8448078 8447205 8483101 23631

P.L. No. B1045-E

INERTIAL AIR SYSTEM

Ref. No.	Part Number	No. Req.	Description
49	8098596	-	TUBING .. 5/8 O.D. x .035 wall copper brazed steel - Sold per foot - Available 20 ft. length (2 ft. 3-5/32 in. required)
50	120141	2	NUT .. 1/2 tube
51	144308	4	NUT .. 5/8 tube
52	8108208	2	CLAMP ASSEMBLY .. 1/2 in. tubing
*53	8159042	1	FITTING .. Lamp - Compartment light
*54	8332374	1	RECEPTACLE .. Lamp
*55	8094886	1	LAMP .. Medium screw base - 50 Watts - 75 Volts
*56	8004613	1	GLOBE .. Clear glass
*57	8047227	1	GUARD .. Globe
*58	8035219	1	RECEPTACLE .. Attachment plug
59	8116953	-	CONDUIT .. 1/2 in. rigid aluminum 12 ft. (52-15/16 in. required)
*60	8240495	-	CONDUIT .. 1/2 in. liquid tight flexible metallic - Sold per foot - (15 in. required)
*61	8330797	1	CONNECTOR .. Liquid tight conduit - 1/2 F.P.T. - Straight
*62	8330835	1	CONNECTOR .. Box - Liquid tight conduit - 1/2 in.
*63	8433434	-	CABLE .. 14 AWG - EPR insl. - 500 ft. roll (30 ft. required)
*64	8272337	2	TERMINAL .. Insulated female faston tab - Yellow - No. 12 to 16 AWG

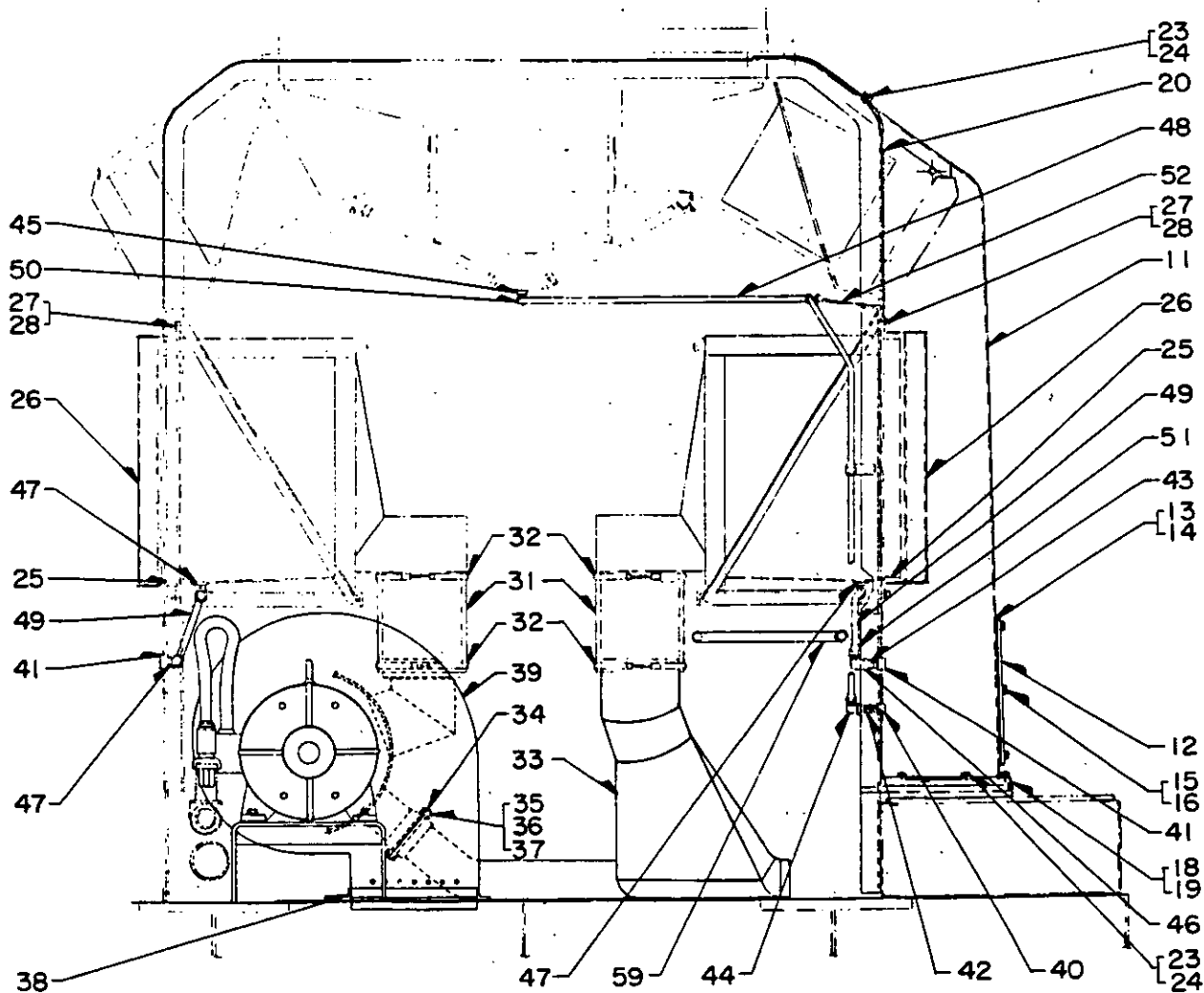
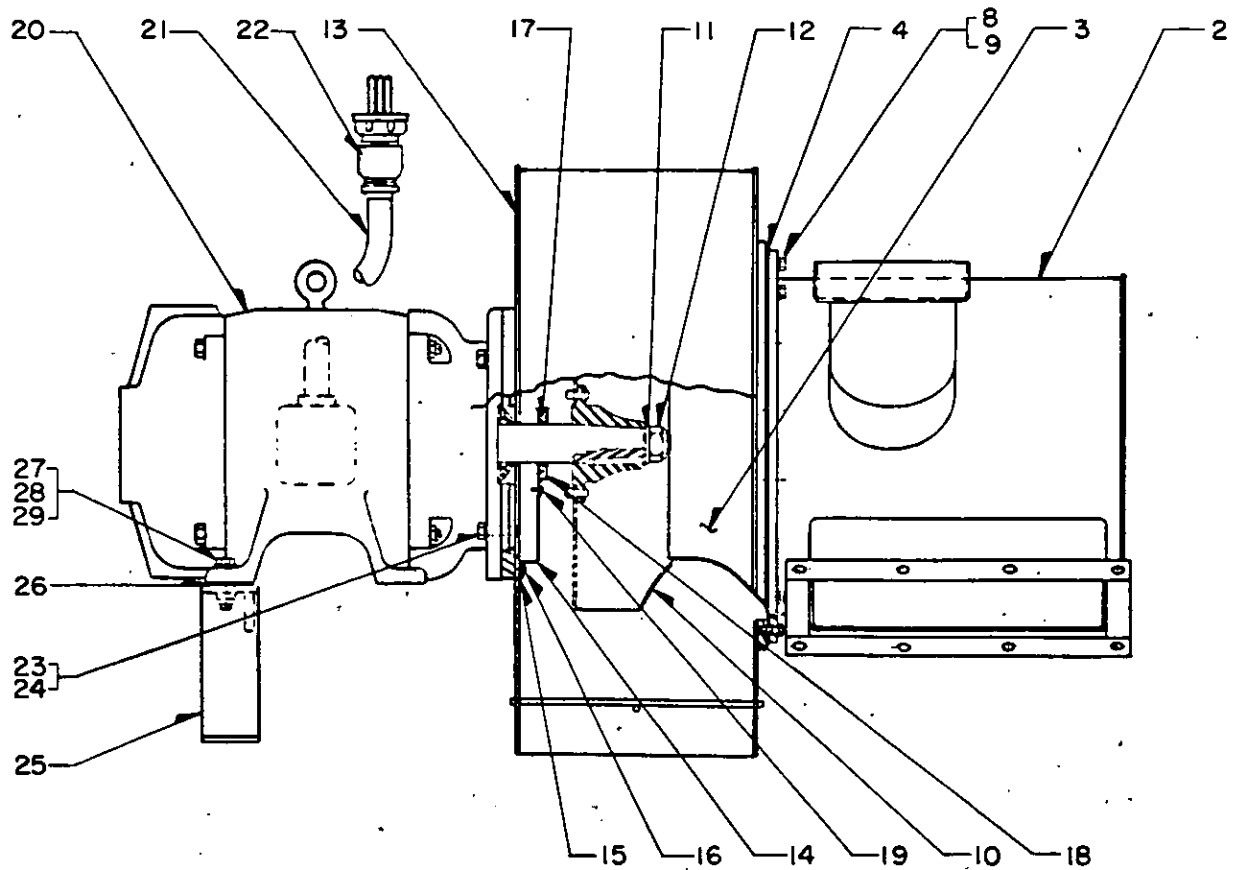


PLATE A1045-E-1

INERTIAL AIR SYSTEM

P.L. No. B1045-E

Dust Bin Air Discharge Blower Assembly



Ref. No. 1

PLATE A1045-E-2

Ref. No.	Part Number	No. Req.	Description
1	8446460	1	BLOWER ASSEMBLY .. Dust bin air discharge
2	8446461	1	PLENUM ASSEMBLY .. Blower
3	8330767	1	RING .. Air intake
4	8330993	1	GASKET .. Plenum to air intake ring
* 5	179791	3	BOLT .. Air intake ring to housing - 1/4-20 x 1/2 hex. head
* 6	103319	3	WASHER .. Lock - 1/4
* 7	103339	3	WASHER .. Plain - 1/4
8	179839	16	BOLT .. Plenum and air intake ring to housing - 3/8-16 x 1 hex. head
9	103321	16	WASHER .. Lock - 3/8
10	8350529	1	WHEEL .. Blower - 17-5/8 O.D.
11	8018847	1	WASHER .. Plain - 1-1/32 I.D.
12	8084583	1	NUT .. Lock - 1-8 hex.
13	8446459	1	HOUSING .. Blower
14	8382846	1	PLATE .. Closure .. Dust seal
15	8382843	1	GASKET .. Plate to housing
16	9419647	8	SCREW .. Tapping - Plate to housing - 5/16-18 x 1/2 hex. washer head
17	8382844	1	SEAL .. Felt - Blower motor shaft
18	8382845	1	RETAINER .. Felt seal
19	9420156	4	SCREW .. Tapping - Retainer to closure plate - 1/4-20 x 1/2 hex. washer head

P.L. No. B1045-E

INERTIAL AIR SYSTEM

Ref. No.	Part Number	No. Req.	Description
	8446460	1	BLOWER ASSEMBLY .. Dust bin air discharge
20	5540161	1	MOTOR ASSEMBLY .. Air discharge
21	5541890	1	CONDUIT .. Flexible
22	5315319	1	PLUG .. 3 pole male
23	179885	4	BOLT .. Motor to housing - 1/2-13 x 1-1/2 hex. head
24	103323	4	WASHER .. Lock - 1/2
25	8446519	1	SUPPORT .. Motor
26	- - - - -	A.R.	SHIM .. Motor to support - 2-1/2 x 2-1/2 in. - Slotted - Available as follows: 8050994 .. .0598 inch thick 8050994 .. .0299 inch thick 8050994 .. .0149 inch thick 8050994 .. .010 inch thick 8050994 .. .003 inch thick
27	179889	2	BOLT .. Motor to support - 1/2-13 x 2 hex. head
28	5376444	2	WASHER .. Plain - 1/2
29	9416517	2	NUT .. Lock - 1/2-13 hex.
*30	8319657	1	RECEPTACLE .. 3 pole female

} See Part List 4126

P.L. No. B1045-E

INERTIAL AIR SYSTEM

Engine Room Partition

PLATE A1045-E-3

Ref. No.	Part Number	No. Req.	Description
1	8389081	1	FLASHING .. Auxiliary generator end housing
2	8332686	2	COVER .. Auxiliary generator end housing - Upper and lower
3	442751	9	SCREW .. Tapping - Cover to partition sheet - 5/16-18 x 3/4 hex. washer head
4	8351535	1	CLIP .. Lower cover retaining - 2-1/2 x 7-1/2 in.
5	8447925	1	CLAMP .. Lower cover and center partition sheet retaining - 4-3/4 x 13-1/2 in.
6	180078	4	BOLT .. Clip and clamp to partition sheet - 5/16-18 x 7/8 hex. head
7	120214	4	WASHER .. Lock - 5/16
8	8365584	1	SEAL .. Turbocharger air duct - 1/8 x 10 I.D. x 15 O.D. - Felt neoprene
9	8365583	1	RING .. Seal retaining - 13 I.D. x 15 O.D.
10	171603	8	SCREW .. Tapping - Ring to partition sheet - 1/4-20 x 3/4 round head
11	8243047	8	WASHER .. Plain - 1/8 x 9/32 I.D. x 5/8 O.D.
12	8447928	1	SHEET .. Closing - Left side - 3-3/8 x 19-3/4 in.
13	8447927	1	SHEET .. Closing - Right side - 3-3/8 x 19-3/4 in.
14	8310355	2	CLIP .. Sheet mounting - 2 x 7-1/2 in.
15	180078	4	BOLT .. Sheet to clip - 5/16-18 x 7/8 hex. head
16	120214	4	WASHER .. Lock - 5/16
17	8447955	1	SHEET ASSEMBLY .. Partition - Left side - 25-3/8 x 63-5/8 in.
18	8447929	1	SHEET ASSEMBLY .. Partition - Right side - 25-3/8 x 63-5/8 in.
19	8447926	1	SHEET ASSEMBLY .. Partition - Center - 18 x 33 in.
20	8425397	3	CLIP .. Center partition sheet retaining - 2 x 2-1/2 in.
21	8425398	13	CLIP .. Left and right partition sheet retaining - 2 x 2-1/2 in.
22	442751	25	SCREW .. Tapping - Sheet and clip mounting - 5/16-18 x 3/4 hex. washer head
23	8347928	1	ANGLE ASSEMBLY .. Partition sheet retainer
24	8127836	2	STUD .. Welding - 5 in. long - 3/8-16 thread
25	8389323	2	ANGLE .. Retainer angle fastener - 3/16 x 1-1/2 x 1-1/2 x 8 in.
26	446363	2	WASHER .. Plain - 3/8
27	9416513	2	NUT .. Lock - 3/8-16 hex.
*28	8165001	A.R.	COMPOUND .. Caulking - 7-1/2 pound can

8447982

P.L. No. B1045-E

INERTIAL AIR SYSTEM

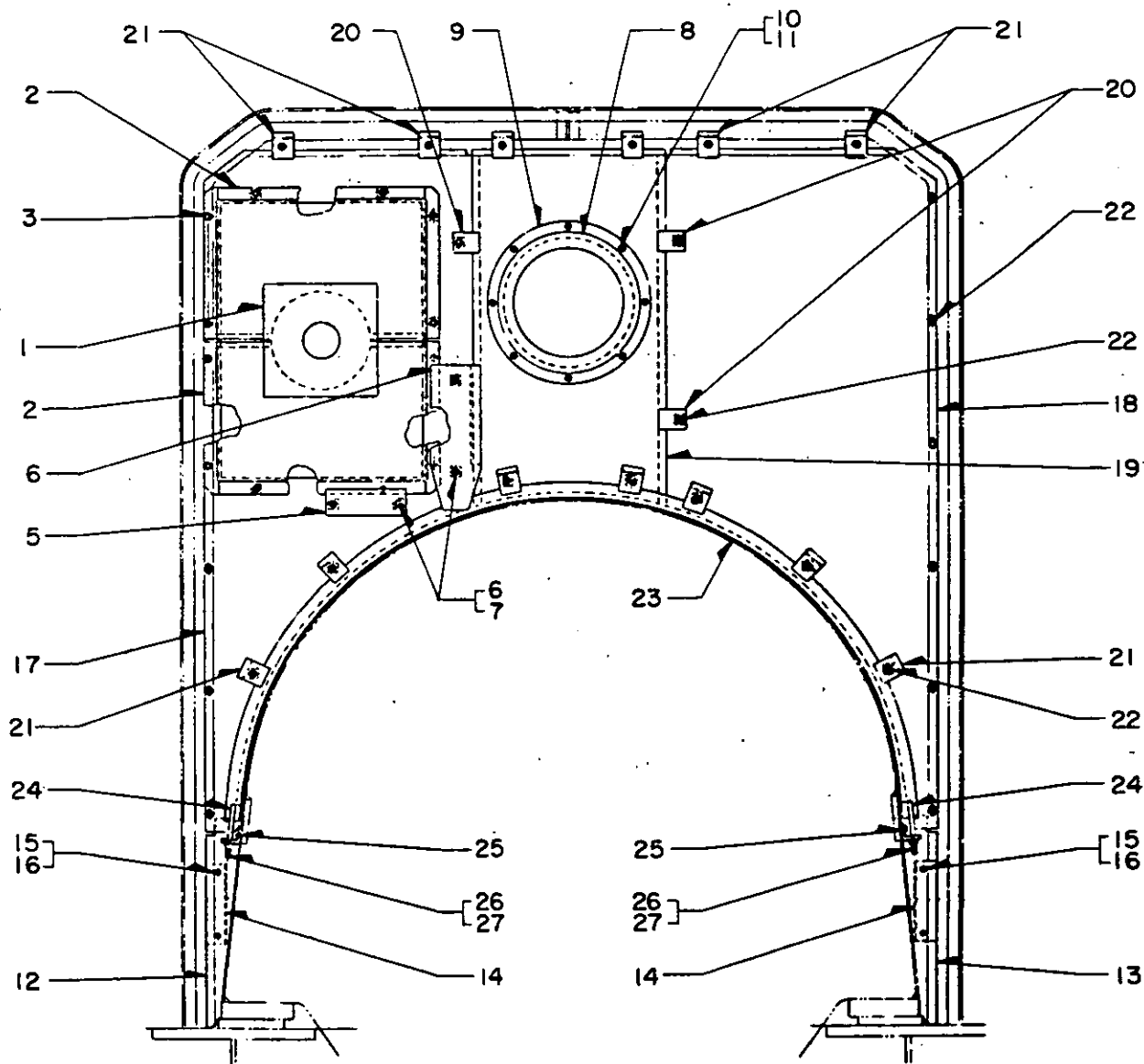


PLATE A1045-E-3

INERTIAL AIR SYSTEM

Inertial Air Compartment Equipment
GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE A1045-E-4

Ref. No.	Part Number	No. Req.	Description
1	8449783	1	STRUCTURE ASSEMBLY .. Inertial air compartment
* 2	8446789	1	DOOR ASSEMBLY .. Compartment access - 16-1/2 x 46-15/16 in.
* 3	8031902	1	HANDLE .. Door - Welds to door
* 4	8323832	2	HINGE .. Door - Welds to door and structure
* 5	8324100	-	WEATHERSTRIP .. Rubber - Sold per foot - Door seal (9 ft. 3-5/8 in. required)
* 6	8352791	2	CHANNEL .. Door locking
* 7	8446888	2	ANGLE .. Clip - Door locking channel - Welds to door
* 8	8361006	2	BOLT ASSEMBLY .. Wing - 3/8-16 thread - Drilled
* 9	116093	2	WASHER .. Plain - 13/32 I.D. - Brass
* 10	105606	2	NUT .. Wing bolt - 3/8-16 square - Welds to structure
* 11	455734	2	PIN .. Spring - Wing bolt - 1/8 x 3/4 in. long
12	8470837	1	CLOSURE ASSEMBLY .. Side
13	8462346	1	SHEET .. Door - 19-1/2 x 28-1/2 in.
14	8424601	-	TAPE .. Rubber - 1/8 in. x 1-1/4 in. x 50 ft. - Door sheet to closure (8 ft. required)
15	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
16	179814	14	BOLT .. Door sheet to closure - 5/16-18 x 5/8 hex. head
17	103320	14	WASHER .. Lock - 5/16
18	8324100	-	WEATHERSTRIP .. Rubber - Sold per foot - Closure to structure seal - Front rear and top (20 ft. required)
19	8424601	-	TAPE .. Rubber - 1/8 in. x 1-1/4 in. x 50 ft. (6 ft. 3 in. required bottom of closure to structure)
20	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
21	8446783	1	BATTEN .. Closure mounting - Front
* 22	8446784	1	BATTEN .. Closure mounting - Rear
* 23	8471619	1	BATTEN .. Closure mounting - Top
24	179816	35	BOLT .. Battens and closure to structure - 5/16-18 x 3/4 hex. head
25	103320	35	WASHER .. Lock - 5/16
26	8472931	1	FILTER ASSEMBLY .. Air intake - Left side
27	8447339	1	FILTER ASSEMBLY .. Air intake - Right side
28	8447779	2	SCREEN ASSEMBLY .. Air intake - Left and right side
29	8424601	-	TAPE .. Rubber - 1/8 in. x 1-1/4 in. x 50 ft. - Air intake filters to structure (29 ft. 1 in. required)
30	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
31	179885	48	BOLT .. Filter and screen to structure - 1/2-13 x 1-1/2 hex. head
32	103323	48	WASHER .. Lock - 1/2
33	8457838	2	HOSE .. Flexible - Air duct - 8 I.D. x 7-1/4 in. long
34	8264450	4	CLAMP .. Hose
35	8457839	1	RING .. Hose to air duct - Left side - Welds to air duct
36	8469662	1	DUCT ASSEMBLY .. Air intake - Ring to plenum - Left side
37	8457520	1	PLATE .. Cover - Inspection
38	8424601	-	TAPE .. Rubber - 1/8 in. x 1-1/4 in. x 50 ft. - Plate to air duct (3 ft. 6 in. required)
39	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
40	9419646	10	SCREW .. Tapping - Plate to air duct - 1/4-20 x 5/8 hex. washer head
41	8448293	-	TAPE .. Rubber - Adhesive one side - 3/16 in. x 1-1/4 in. x 50 - Air intake duct to plenum (4 ft. required)
42	179839	8	BOLT .. Air intake duct to plenum - 3/8-16 x 1 hex. head
43	103321	8	WASHER .. Lock - 3/8
44	102635	8	NUT .. 3/8-16 hex.
45	8457784	1	DUCT ASSEMBLY .. Air intake - Flexible air duct hose to plenum - Right side
46	8457170	1	BLOWER ASSEMBLY .. Dust bin air discharge - See Page 4
47	8473295	1	BRACKET .. Support - Blower plenum
48	8168397	1	ANGLE .. Support bracket - Welds to bracket and underframe
49	179839	2	BOLT .. Bracket to plenum - 3/8-16 x 1 hex. head
50	103321	2	WASHER .. Lock - 3/8

8471640 8469661 27294 26281

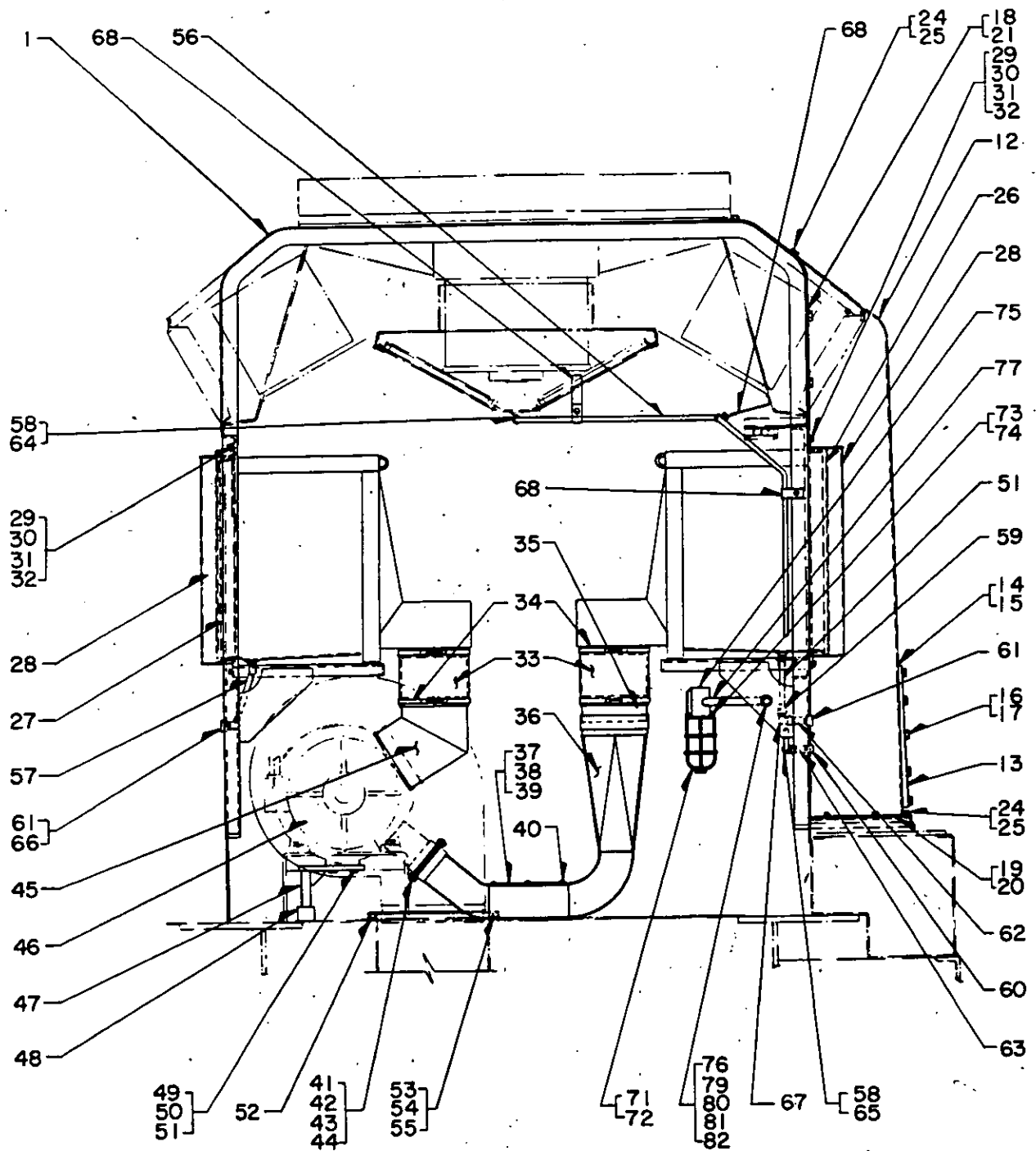
P.L. No. B1045-E

INERTIAL AIR SYSTEM

Ref. No.	Part Number	No. Req.	Description
51	106263	2	WASHER .. Plain - 7/16 I.D.
52	8457719	1	CHANNEL ASSEMBLY .. Blower air duct outlet - Welds to underframe
53	8457816	2	GASKET .. Rubber - Blower air duct outlet - 9/16 x 1-1/8 x 15-7/8 in.
54	8457817	2	GASKET .. Rubber - Blower air duct outlet - 9/16 x 1-1/8 x 16-1/8 in.
55	8255268	A.R.	ADHESIVE .. Gasket - 1 quart can
56	8098595	-	TUBING .. 1/2 O.D. x .035 wall copper brazed steel 20 ft. - Heat shield drain (6 ft. 8-29/32 in. required)
57	8098596	-	TUBING .. 5/8 O.D. x .035 wall copper brazed steel 20 ft. - Filter drain (2 ft. 3-5/32 in. required)
58	120141	2	NUT .. 1/2 tube
59	144308	4	NUT .. 5/8 tube
60	3386393	1	COUPLING .. Pipe - 1/2 F.P.T. - Welds to structure
61	8123478	2	COUPLING .. Pipe - 3/4 F.P.T. - Welds to structure
62	140807	1	NIPPLE .. Pipe - 1/2 M.P.T. x 3 in. long
63	8060974	1	NIPPLE .. Pipe - 3/4 M.P.T. x 2 in. long
64	8027437	1	ELBOW .. 1/2 tube x 1/2 M.P.T. - 90°
65	8040352	1	ELBOW .. 1/2 tube x 1/2 F.P.T. - 90°
66	8040345	3	ELBOW .. 5/8 tube x 3/4 M.P.T. - 90°
67	8156823	1	ELBOW .. 5/8 tube x 3/4 F.P.T. - 90°
68	8108208	2	CLAMP ASSEMBLY .. Hanger - 1/2 O.D. tubing - 6 in. long
69	8108113	2	CLAMP ASSEMBLY .. "C" - 1/2 O.D. tubing - 2-1/2 in. long
*70	8094886	1	LAMP .. Compartment light - Medium screw base - 50 W. - 75 V.
71	8004613	1	GLOBE .. Clear glass
72	8047227	1	GUARD .. Globe
73	8159042	1	FITTING .. Lamp - (1) 1/2 F.P.T. hub
74	8332374	1	SOCKET .. Lamp - Medium screw base - Includes mounting screws and washers
75	8035219	1	RECEPTACLE .. Attachment plug - (2) hubs @ 1/2 F.P.T.
76	8455574	-	CONDUIT .. 1/2 in. liquid tight metallic 25 ft. (1 ft. 3 in. required)
77	8116953	-	CONDUIT .. 1/2 in. rigid aluminum 12 ft. (3 ft. 4-9/16 in. required)
*78	8142997	1	NIPPLE .. Conduit - 1/2 M.P.T. x 12 in. long
79	8142966	1	NIPPLE .. Conduit - 1/2 M.P.T. x 3 in. long
80	8038594	1	BUSHING .. Insulating - 1/2 F.P.T.
81	8038584	2	NUT .. Lock - 1/2 in. conduit
82	8330797	2	CONNECTOR .. Liquid tight conduit - 1/2 F.P.T. - Straight
*83	8468611	-	CABLE .. 14 AWG. - LF insl. - 500 ft. roll (30 ft. required)
*84	8250906	2	TERMINAL .. Ins. - Female faston tab - Blue - No. 12 to 16 AWG.
*85	8108197	3	CLAMP ASSEMBLY .. Hanger - 1/2 in. conduit - 6 in. long

INERTIAL AIR SYSTEM

P.L. No. B1045-E



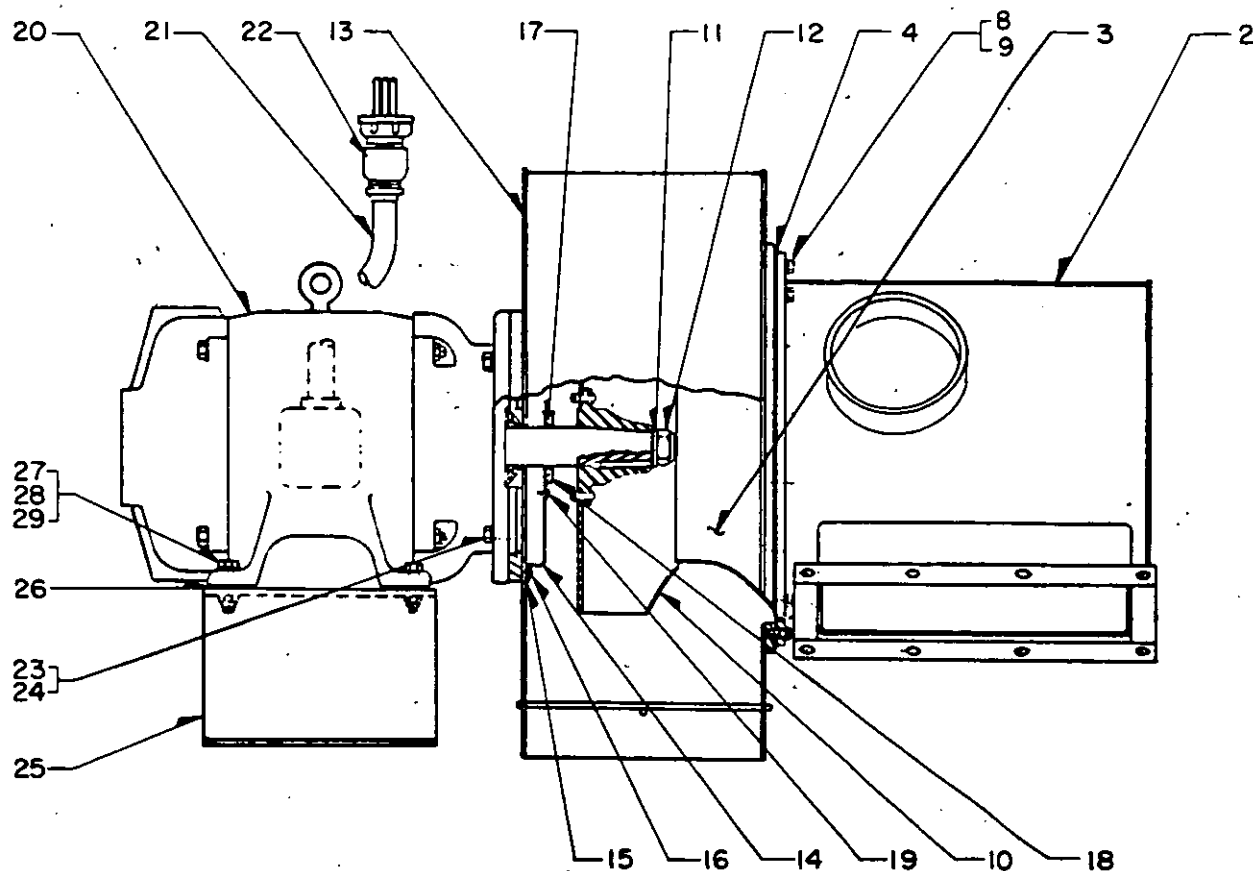
FRONT VIEW

PLATE A1045-E-4

P.L. No. B1045-E

INERTIAL AIR SYSTEM

Dust Bin Air Discharge Blower Assembly



Ref. No. 1

PLATE A1045-E-5

Ref. No.	Part Number	No. Req.	Description
1	8457170	1	BLOWER ASSEMBLY .. Dust bin air discharge
2	8457503	1	PLENUM ASSEMBLY .. Blower
3	8330767	1	RING .. Air intake
4	8330993	1	GASKET .. Plenum to air intake ring
* 5	179791	3	BOLT .. Air intake ring to housing - 1/4-20 x 1/2 hex. head
* 6	103319	3	WASHER .. Lock - 1/4
* 7	103339	3	WASHER .. Plain - 1/4
8	179839	16	BOLT .. Plenum and air intake ring to housing - 3/8-16 x 1 hex. head
9	103321	16	WASHER .. Lock - 3/8
10	8350529	1	WHEEL .. Blower - 17-5/8 O.D.
11	8018847	1	WASHER .. Plain - 1-1/32 I.D.
12	8084583	1	NUT .. Lock 1-8 hex.
13	8446459	1	HOUSING .. Blower
14	8382846	1	PLATE .. Closure - Dust seal
15	8382843	1	GASKET .. Plate to housing
16	9419647	8	SCREW .. Tapping - Plate to housing - 5/16-18 x 1/2 hex. washer head
17	8382844	1	SEAL .. Felt - Blower motor shaft
18	8382845	1	RETAINER .. Felt seal
19	9420156	4	SCREW .. Tapping - Retainer to plate - 1/4-20 x 1/2 hex. washer head

P.L. No. B1045-E

INERTIAL AIR SYSTEM

Ref. No.	Part Number	No. Req.	Description
	8457170	1	BLOWER ASSEMBLY .. Air discharge
20	5540161	1	MOTOR ASSEMBLY .. Air discharge - See P.L. 4126
21	5541890	1	CONDUIT .. Flexible
22	5315319	1	PLUG .. 3 pole male - See P.L. 4126
23	179885	4	BOLT .. Motor to housing - 1/2-13 x 1-1/2 hex. head
24	103323	4	WASHER .. Lock - 1/2
25	8457653	1	SUPPORT .. Motor
26		A.R.	SHIM .. Motor to support - 2-1/2 x 2-1/2 in. - Slotted - Specify thickness - Available as follows: 8050994 .. .0598 in. thick 8050994 .. .0299 in. thick 8050994 .. .0149 in. thick 8050994 .. .010 in. thick 8050994 .. .005 in. thick 8050994 .. .003 in. thick
27	179889	4	BOLT .. Motor to support - 1/2-13 x 2 hex. head
28	5376444	4	WASHER .. Plain - 1/2
29	9416517	4	NUT .. Lock - 1/2-13 hex.
*30	8319657	1	RECEPTACLE .. 3 pole female - See P.L. 4126
*31	120910	4	SCREW .. Receptacle mounting - 10-24 x 3/4 round head
*32	121801	4	WASHER .. Lock - No. 10 internal teeth

P.L.No. B1045-E

INERTIAL AIR SYSTEM

Engine Room Partition

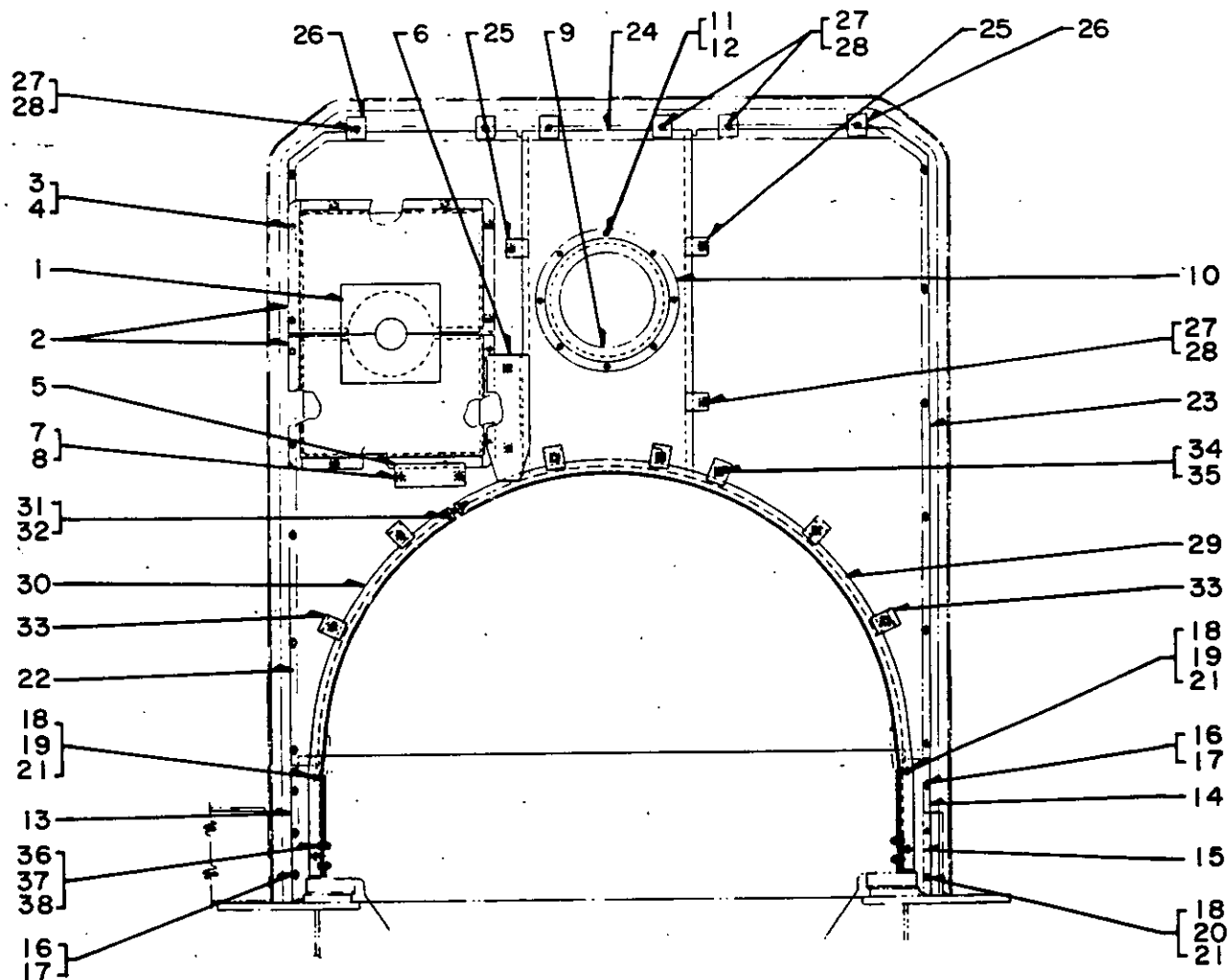


PLATE B1045-E-6

Ref. No.	Part Number	No. Req.	Description
1	8389081	2	FLASHING .. Auxiliary generator end housing
2	8332686	2	COVER .. Auxiliary generator end housing - Upper and lower
3	179814	9	BOLT .. Cover to partition sheet - 5/16-18 x 5/8 hex. head
4	103320	9	WASHER .. Lock - 5/16
5	8351535	1	CLIP .. Lower cover retaining - 2-1/2 x 7-1/2 in.
6	8447925	1	CLAMP .. Lower cover and center partition sheet - 4-3/4 x 13-1/2 in.
7	179816	4	BOLT .. Clip and clamp to partition sheet - 5/16-18 x 3/4 hex. head
8	103320	4	WASHER .. Lock - 5/16
9	8412624	1	SEAL .. Turbocharger air duct - 1/8 x 8-3/4 I.D. x 15 O.D. - Felt neoprene
9A	8365584	1	SEAL .. Turbocharger air duct - 1/8 x 10 I.D. x 15 O.D. - Felt neoprene
10	8365583	1	RING .. Seal retaining - 13 I.D. x 15 O.D.
11	8243047	8	WASHER .. Spacer - 1/8 x 9/32 I.D. x 5/8 O.D.
12	171603	8	SCREW .. Tapping - Ring to partition - 1/4-20 x 3/4 round head
13	8458162	1	SHEET .. Closing - Left side - 2-7/8 x 15-3/4
14	8458161	1	SHEET .. Closing - Right side - 2-7/8 x 15-3/4
15	8458163	1	STRIP .. Closing sheet - Right side - 1 x 9

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INERTIAL AIR SYSTEM

Ref. No.	Part Number	No. Req.	Description
16	179814	4	BOLT .. Closing sheet to frame - 5/16-18 x 5/8 hex. head
17	103320	4	WASHER .. Lock - 5/16
18	179816	6	BOLT .. Sheet to angle and strip to sheet - 5/16-18 x 3/4 hex. head
19	446362	4	WASHER .. Plain - Sheet to angle bolt - 3/8
20	103340	2	WASHER .. Plain - Strip to sheet bolt - 11/32
21	9416511	6	NUT .. Lock - 5/16-18 hex.
22	8458165	1	SHEET ASSEMBLY .. Partition - Left side - 25-3/8 x 67-3/8 in.
23	8458167	1	SHEET ASSEMBLY .. Partition - Right side - 25-3/8 x 67-3/8 in.
24	8458169	1	SHEET ASSEMBLY .. Partition - Center - 18 x 35-1/2 in.
25	8425397	3	CLIP .. Center partition sheet retaining - 2 x 2-1/2 in.
26	8425398	6	CLIP .. Partition sheet to frame - Top - 2 x 2-1/2 in.
27	179814	19	BOLT .. Partition sheet retaining - 5/16-18 x 5/8 hex. head
28	103320	19	WASHER .. Lock - 5/16
29	8458173	1	ANGLE ASSEMBLY .. Partition sheet retainer - Long
30	8458171	1	ANGLE ASSEMBLY .. Partition sheet retainer - Short
31	179889	1	BOLT .. Angle to angle - 1/2-13 x 2 hex. head
32	9416517	1	NUT .. Lock - 1/2-13 hex.
33	8425398	7	CLIP .. Partition sheet to angle - 2 x 2-1/2 in.
34	179816	7	BOLT .. Clip to sheet - 5/16-18 x 3/4 hex. head
35	103320	7	WASHER .. Lock - 5/16
36	179839	4	BOLT .. Angle retaining - 3/8-16 x 1 hex. head
37	103341	4	WASHER .. Plain - 13/32
38	9416513	4	NUT .. Lock - 3/8-16 hex.
*39	8165001	A.R.	COMPOUND .. Caulking - 7-1/2 pound can

AIR BRAKE EQUIPMENT

Main Air Reservoir List

All Models

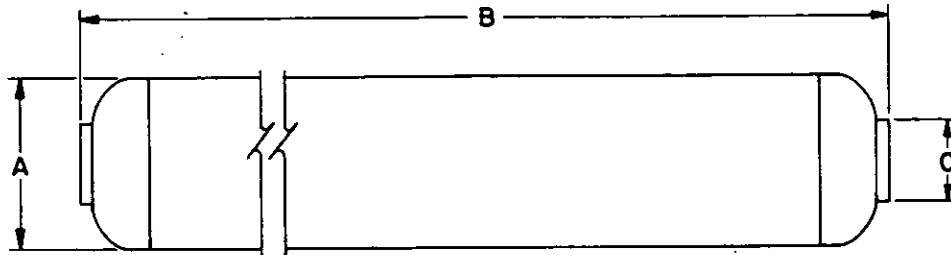


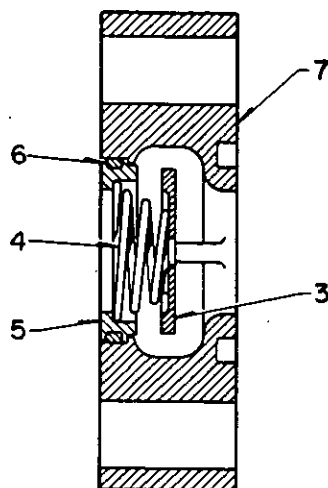
PLATE C1093-E-1

Part Number	Dim. A	Dim. B	Dim. C	Cubic Inches	Telltale Holes
9095696	14"	7' 3"	7 1/2"	11,800 cubic inches	Yes
8343938	15"	12' 8"	8 1/2"	24,000 cubic inches	No
8386928	15"	12' 8"	8 1/2"	24,500 cubic inches	Yes
8396149	16"	8'	8 1/2"	17,500 cubic inches	No
8382473	16"	9'	8 1/2"	20,000 cubic inches	No
8467856	16"	9'	8 1/2"	20,000 cubic inches	Yes
8470202	18 3/8"	8'	7 1/2"	20,000 cubic inches	No
8474014	22 1/2"	6' 1"	8 1/2"	24,500 cubic inches	No

AIR BRAKE EQUIPMENT

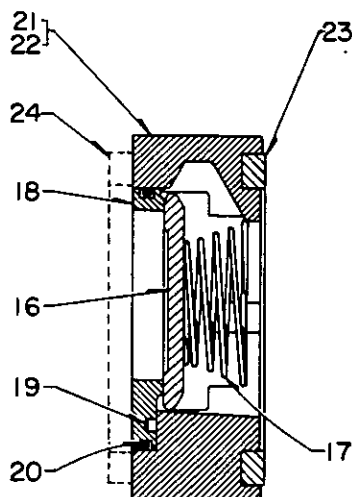
P.L. No. C1093-E

Main Air Reservoir Check Valves and Safety Valves

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW,JT22CW-2,G26CU,G26CW,GT26CU,GT26CU-2 and GT26CW-2 Locomotives

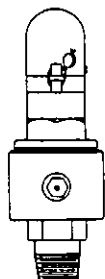
Ref. Nos. 1 and 2

Ref. No.	Part Number	No. Req.	Description
VALVE .. Check - Main Reservoir Equalizing Line			
1	8330316	1	VALVE .. Check - 1/8 in. dia. orifice - G18U, GA18,G22W,G22CU,GT22CU,GT22CW, JT22CW,JT22CW-2,G26CW,GT26CW, GT26CU-2, and GT26CW-2 locomotives
2	8336407	- 1	VALVE .. Check - 1/4 in. dia. orifice - G18U, G18W,GA18,G22CW,GL22C,JT22CW locomotives
3	8330315	1	DISC .. Valve - 1/8 in. dia. orifice
3	8336406	- 1	DISC .. Valve - 1/4 in. dia. orifice
4	8330314	1	SPRING .. Compression
5	8330313	1	SEAT .. Valve
6	8332734	1	RING .. "O" - Valve seat
7	8330312	1	BODY .. Check valve
* 8	8081569	2	GASKET .. Valve to swivel flange
* 9	8177712	2	FLANGE .. Swivel
*10	8262423	2	INSERT .. Swivel flange
*11	271568	2	BOLT .. 5/8 - 11 x 3-1/2 hex. head
*12	103325	2	WASHER .. Lock - 5/8
*13	102639	2	NUT .. 5/8 - 11 hex.



Ref. Nos. 14 and 15

VALVE .. Check - No. 2 Main Air Reservoir			
14	8324803	1	VALVE .. Check - PM - 301-2 - 2 inch - Vertical mounted - G22CU and G22CW locomotives
15	8331916	- 1	VALVE .. Check - PM-301-2A - 2 inch - Horizontal mounted - G18U,G18W,GA18, GL18M,G22U,G22W,G22CU,G22CW, GL22C,GT22CU,GT22CW,JT22CW, JT22CW-2,G26CU,G26CW,GT26CW, GT26CU-2 and GT26CW-2 locomotives
16	8353159	1	DISC .. Valve
17	8353164	1	SPRING .. Compression
18	8353158	1	SEAT .. Valve
19	9415567	1	PIN .. Spring - 1/8 x 7/16 in. long
20	8353165	1	RING .. "O" - Valve seat seal
21	----	1	BODY .. Valve
22	8353160	- 1	BODY .. Valve
23	8097592	1	GASKET .. Valve to air reservoir
24	8097592	1	GASKET .. Valve to flanged elbow or swivel flange
*25	8177668	1	ELBOW .. Flanged - 2 I.P.S. socket weld
*26	8177712	- 1	FLANGE .. Swivel
*27	8177714	- 1	INSERT .. Swivel flange - 2 I.P.S. socket weld
*28	271615	2	BOLT .. Elbow or flange to reservoir - 3/4 - 10 x 3 hex. head

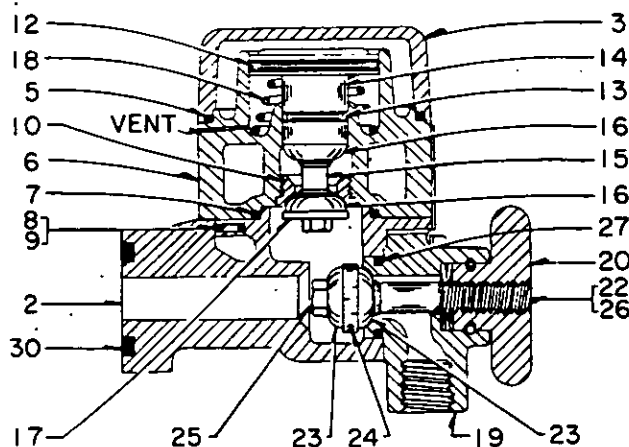
Ref. Nos. 29 and 30
PLATE C1093-E-2

VALVE .. Safety - Main Reservoir			
29	8277269	1	VALVE .. J-1 safety - 140 P.S.I. - G18U,G18W, GA18,G22U,G22W,G22CU,G22CW,GL22C, GT22CU,GT22CW,JT22CW,G26CU and G26CW locomotives
30	8243095	1	VALVE .. J-1 safety - 150 P.S.I. - GL18M, JT22CW-2,GT26CW,GT26CU-2 and GT26CW-2 locomotives
*31	8203176	1	VALVE .. E7C safety - 150 P.S.I. - G26U

AIR BRAKE EQUIPMENT

No. 2 Main Air Reservoir Automatic and Manual Drain Valve

G18W,GA18,GL18M,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,G26CW,GT26CW and GT26CW-2 Locomotives

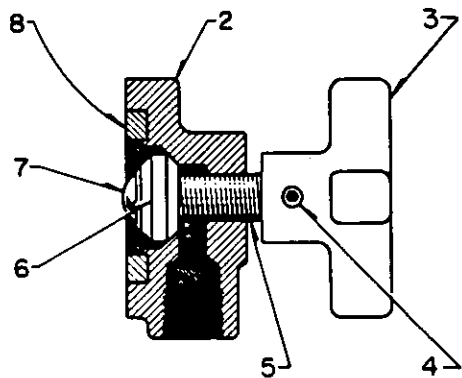
Ref. No. 1
PLATE C1093-E-3

Ref. No.	Part Number	No. Req.	Description	Locomotive Application
1	8310649	1	VALVE .. Drain-Auto. and man. - 580-H-Repl. by 8451213	GA18,G22W,G22CU,G26CW G18W,GL18M,G22CU,GL22C, GT22CU,GT22CW,GT26CW, GT26CW-2
* 1	8451213	1	VALVE .. Drain-Auto. and man. - 580-H-6-Repl. 8310649	
2	8316567	1	BRACKET .. Base	
3	8315903	1	CAP .. Automatic valve	
* 4	9418544	4	SCREW .. Machine - Cap and body to brkt. - 1/4-20 x 2 hex. hd. - Incl. lockwasher	
5	8315964	1	RING .. "O" - Cap to body	
6	8315904	1	BODY .. Automatic valve	
7	8315965	1	RING .. "O" - Valve body to base bracket seal	
8	8395720	1	PLUG .. Strainer	
9	8156967	1	RING .. "O" - Strainer plug	
10	8315898	1	SEAT .. Valve body	
*11	8457290	1	PISTON ASSEMBLY .. Actuating	
12	8315965	1	RING .. "O" - Piston - Large	
13	8156971	1	RING .. "O" - Piston - Small	
14	8437185	1	PISTON ASSEMBLY KIT .. Actuating - Includes shoulder bolt	
15	8351985	1	SPACER .. Valve piston seat	
16	8294563	2	SEAT .. Valve piston	
17	8351984	1	WASHER .. Valve piston seat	
18	8315963	1	SPRING .. Actuating piston	
19	8351992	1	VALVE .. Manual drain and shut-off	
*19		1	VALVE .. Manual drain and shut-off	
20	8316524	1	BODY ASSEMBLY .. Valve - Includes knob	
*20		1	BODY ASSEMBLY .. Valve - Includes knob	
*21	8457291	1	INSERT .. Valve seat - Stainless steel	
22	8351990	1	STEM ASSEMBLY .. Valve	
23	8294563	2	SEAT .. Valve	
24	8354397	1	WASHER .. Valve seat	
25	8351987	1	BOLT .. Washer and valve seat - 1/4-28 thread	
26	8351989	1	STEM .. Valve	
27	8316528	1	RING .. "O" - Valve seat insert to base bracket seal	
*28	155352	4	SCREW .. Machine - Body to base bracket - 1/4-20 x 7/8 round head	
*29	120380	4	WASHER .. Lock - 1/4	
30	8034030	1	GASKET .. Valve to main air-reservoir	
*31	179894	2	BOLT .. Valve to main air reservoir - 1/2-13 x 3-1/4 hex. head	

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

Main Air Reservoir Manual Drain and Check Valves
 G18U,G18W,GA18,G22W,G22CU,G22CW,GL22C,GT22CW,
 JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



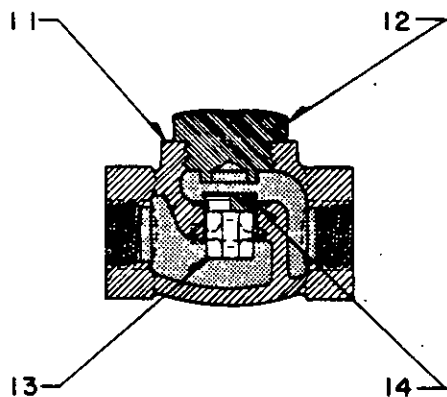
Ref. No. 1

Ref. No.	Part Number	No. Req.	Description

VALVE .. Manual Drain - Main air reservoir

1	8307136	1	VALVE .. Manual drain - PM - 208 - G18U, G18W,GA18,G22W,G22CU,GL22C,JT22CW-2, G26CU,G26CW,GT26CU-2 and GT26CW-2 locomotives
2	8309906	1	BODY .. Valve
3	8309905	1	KNOB .. Valve stem
4	455862	1	PIN .. Spring - 1/8 x 7/8 in. long
5	8309904	1	STEM .. Valve
6	8309712	1	SEAT .. Valve
7	9418117	1	SCREW .. Lock - 1/4-28 x 3/4 hex. socket button head
8	8301163	1	GASKET .. Valve to main air reservoir
* 9	179885	2	BOLT .. Valve to main air reservoir - 1/2-13 x 1-1/2 hex. head

VALVE .. Check - Service rate application



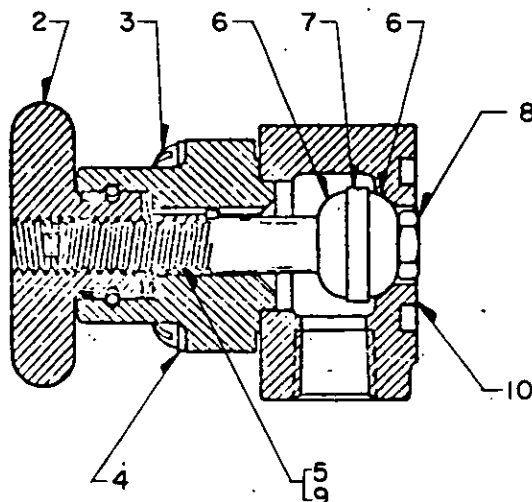
Ref. No. 10

10	8170208	1	VALVE .. Check - 3/8 F.P.T. -G18W,G22CW, GT22CW,G26CU,G26CW,GT26CW and GT26CU-2 locomotives
11		1	BODY .. Valve
12		1	CAP .. Valve
13	8174999	1	PLUNGER .. Valve - No choke
14	8175435	1	RING .. "O"

PLATE C1093-E4

AIR BRAKE EQUIPMENT

P.L. No. C1093-E

Main Air Reservoir Manual Drain Valves
GT26CW Locomotive

Ref. No. 1

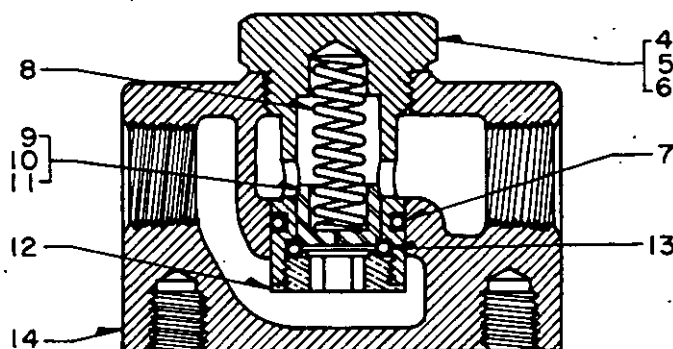
PLATE C1093-E-5

Ref. No.	Part Number	No. Req.	Description
		A B	
1	8310111	1 -	VALVE .. Manual drain - 548-A
* 1	8451212	- 1	VALVE .. Manual drain - 548-A-6
2	8316503	1 1	BODY ASSEMBLY .. Valve - Includes knob
3	9434134	4 4	SCREW .. Machine - Body to adapter - 1/4-20 x 7/8 round head
4	120380	4 4	WASHER .. Lock - 1/4
5	8351990	1 1	STEM ASSEMBLY .. Valve
6	8294563	2 2	SEAT .. Valve
7	8354397	1 1	WASHER .. Valve seat
8	8351987	1 1	BOLT .. Washer and valve seat - 1/4-28 thread
9	8351989	1 1	STEM .. Valve
10	8316525	1 -	ADAPTER .. Valve
*10		- 1	ADAPTER .. Valve
*11	8034030	1 1	GASKET .. Valve to main air reservoir
*12	179883	2 2	BOLT .. Valve to main air reservoir - 1/2-13 x 1-1/4 hex. head
*13	103323	2 2	WASHER .. Lock - 1/2

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

Cartridge Type 599-1, 599-4 and 599-5 Spring Loaded Check Valves
 G18U, GL18M, G22W, GL22C, GT22CW, GT26CW and GT26CW-2 Locomotives



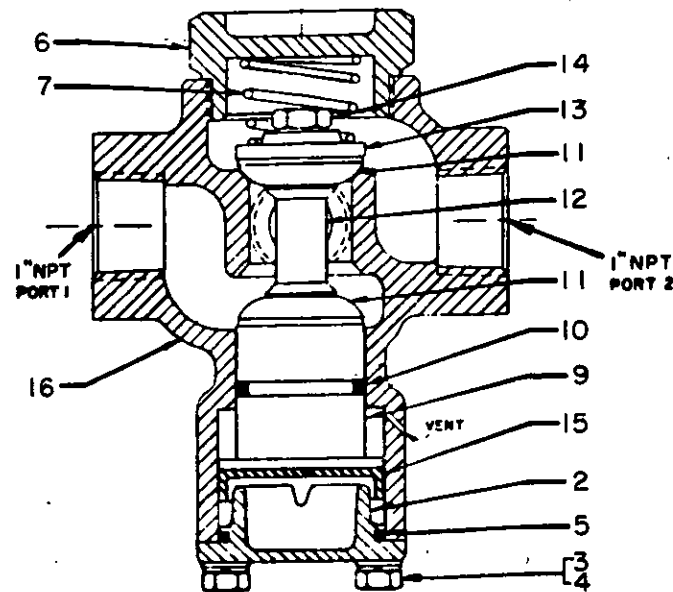
Ref. Nos. 1, 2 and 3

PLATE C1093-E-6

Ref. No.	Part Number	No. Req.			Description	Locomotive Application
		A	B	C		
1	8451285	1	-	-	VALVE .. One-way check - With orifice - 599-1 - 3/8 F.P.T.	G18U, G22W, GL22C GT22CW, GT26CW, GT26CW-2
2	8451286	-	1	-	VALVE .. One-way check - With orifice - 599-4 - 3/8 F.P.T.	GL18M, GT26CW
3	8451287	-	-	1	VALVE .. One-way check - With orifice - 599-5 - 3/8 F.P.T.	GL18M, GT26CW
4		1	-	-	BODY .. Cartridge	
5		-	1	-	BODY .. Cartridge	
6		-	-	1	BODY .. Cartridge	
7	8321180	1	1	1	RING .. "O" - Cartridge body to valve body seal	
8		1	1	1	SPRING .. Valve shuttle	
9		1	-	-	SHUTTLE .. Valve - .032 in. orifice	
10		-	1	-	SHUTTLE .. Valve - .038 in. orifice	
11		-	-	1	SHUTTLE .. Valve - .076 in. orifice	
12	8341948	1	1	1	RETAINER .. Valve shuttle	
13	8156983	1	1	1	RING .. "O" - Valve shuttle retainer to cartridge body	
14		1	1	1	BODY .. Valve	
*15	179814	2	2	2	BOLT .. Valve mounting - 5/16-18 x 5/8 hex. head	
*16	103320	2	2	2	WASHER .. Lock - 5/16	

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

571-4 Three-Way Relay Valve
GL18M and GT26CW Locomotives

Ref. No. 1

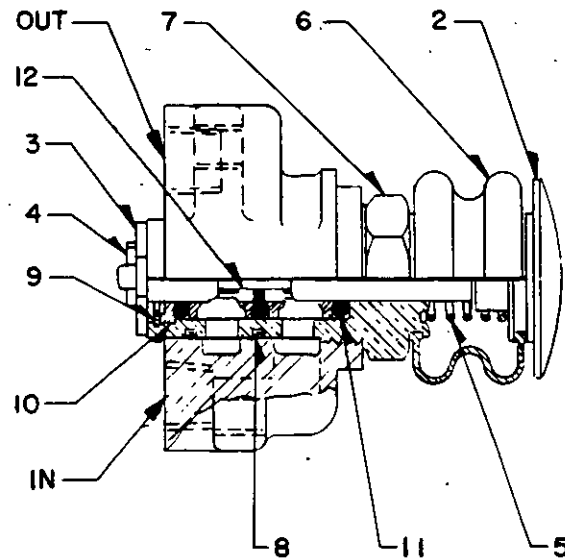
PLATE C1093-E-7

Ref. No.	Part Number	No. Req.	Description
1	8450784	1	VALVE .. Three-way relay - 571-4 - Port 1,2 and 3 - 1 F.P.T. - Actuating air 1/4 F.P.T.
2	8294570	1	CAP .. Relay valve
3	180020	4	BOLT .. Cap to body - 1/4-20 x 3/4 hex. head
4	120380	4	WASHER .. Lock - 1/4
5	8308292	1	RING .. "O" - Cap to body seal
6		1	CAP .. Spring
7	8382424	1	SPRING .. Actuating piston
* 8		1	PISTON ASSEMBLY .. Actuating
9		1	PISTON .. Actuating
10		1	RING .. "O" - Piston seal
11		2	SEAT .. Valve
12		1	SPACER .. Valve seat
13		1	WASHER .. Valve seat
14		1	BOLT .. Valve stem
15	8078285	1	WASHER .. Cup
16		1	BODY .. Valve

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

Brake Pipe Break In Two Warning Whistle Reset Push Valve
G22W, JT22CW, GT26CW and GT26CW-2 Locomotives



Ref. No. 1

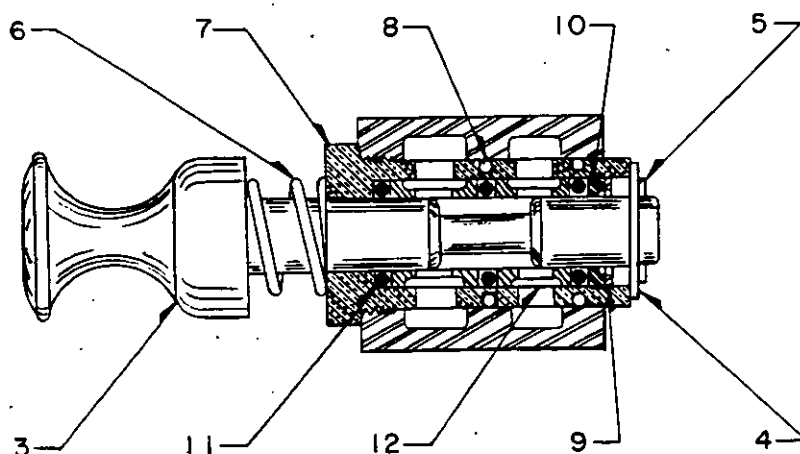
PLATE C1093-E-8

Ref. No.	Part Number	No. Req.	Description
1	8297187	1	VALVE .. Single push - 3 way - 616-1A-H
2	8299809	1	STEM .. Valve - Includes knob
3	8299814	1	WASHER .. Stem retaining
4	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
5	8288488	1	SPRING
6	8299810	1	BOOT .. Stem and cartridge
7	8299811	1	BODY .. Cartridge
8	8222629	2	RING .. "O" - Cartridge body seal
9	9414874	1	RING .. Retainer - "O" ring and spacer spool
10	8299813	1	WASHER .. Retainer
11	8299812	3	RING .. "O" - Valve stem seal
12	8300627	2	SPOOL .. Spacer - "O" ring
*13	113916	2	SCREW .. Machine - Valve mounting - 5/16-18 x 1-1/4 flat head

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

Overspeed Reset Push Pull Valve
GA18,G22CU and GT26CW-2 Locomotives



Ref. No. 1

PLATE C1093-E-9

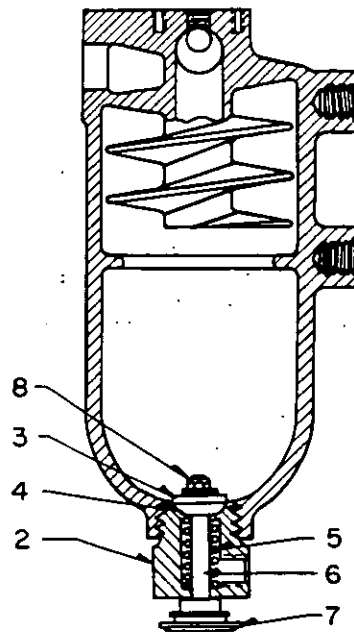
Ref. No.	Part Number	No. Req.	Description
VALVE .. Push Pull - 3 Way			
1	8258221	1	VALVE .. Push pull - 3 way - 616-1-E
CARTRIDGE ASSEMBLY .. Valve			
* 2	8289016	1	CARTRIDGE ASSEMBLY .. Valve
3	8288486	1	STEM ASSEMBLY .. Valve - Includes knob
4	8222630	1	WASHER .. Stem retaining
5	103373	1	PIN .. Cotter - 3/32 in. x 3/4 in. long
6	8288488	1	SPRING
7	8222628	1	BODY .. Cartridge
8	8222629	2	RING .. Rubber "O" - Cartridge body seal
9	9414874	1	RING .. Retainer - "O" ring and spacer spool
10	8222625	1	WASHER .. Valve stem "O" ring
11	8156983	3	RING .. Rubber "O" - Valve stem seal
12	8288493	2	SPOOL .. Spacer - "O" ring
*13	113916	2	SCREW .. Machine - Valve mounting - 5/16-18 x 1-1/4 flat head

P.L. No. C1093-E

AIR BRAKE EQUIPMENT

A.C. Cabinet Centrifugal Air Filter

G22W,G22CU,GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

PLATE C1093-E-10

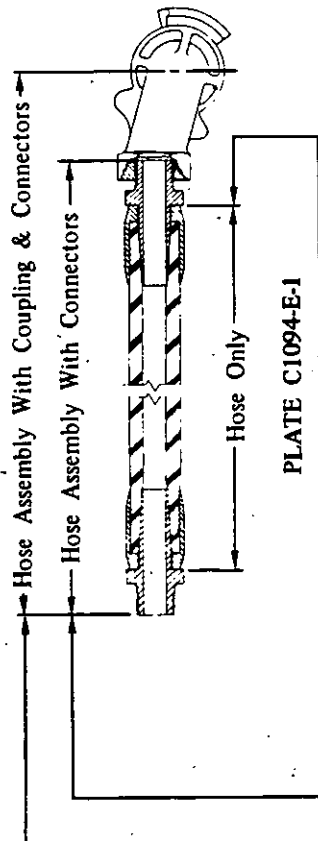
Ref. No.	Part Number	No. Req.	Description
1	8333051	1	FILTER .. Centrifugal air - 817
2	8341431	1	VALVE ASSEMBLY .. Drain
3	8133221	1	WASHER .. Valve seat
4	8133219	1	SEAT .. Valve
5	8341430	1	SPRING .. Valve
6	8341429	1	STEM .. Valve
7	8341428	1	KNOB .. Valve
8	8032837	1	NUT .. Lock - 8-32 hex. - Brass
* 9	8306501	1	GASKET .. Flange to filter

AIR BRAKE HOSE

Brake Cylinder and End Connection Hoses

Wire Braided Rubber Hose With Nipple and Socket Hose Connectors

All Locomotive Models



Hose Assembly With Coupling and Connectors			Hose Assembly With Connectors		Hose Only		Connector Two (2) Required (Incl. Nipple & Socket)		Coupling (Glad Hand) Includes Gasket 8157962	
Ref. No.	Length In Inches	Part Number	Length In Inches	Part Number	Length In Inches	Part Number	Part Number	Hose I.D. x M.P.T.	Part Number	Type F.P.T.
1/2 Inch I.D. Hose										
1	35-11/16	8211071	32-3/8	8350890	29-3/32	8472048	8472052	1/2 x 1/2	8178805	HS2 1/2
5/8 Inch I.D. Hose										
2	28-1/2	8390778	25-1/4	8390777	22			5/8 x 3/4	8178877	HS3 3/4
3	-	-	30-3/8	8350887	27-3/32			5/8 x 3/4	-	3/4
4	35-5/8	8426147	32-3/8	8353941	29-3/32			5/8 x 3/4	8179617	ES3 3/4
5	35-3/8	8353942	32-3/8	8353941	29-3/32			5/8 x 3/4	8178877	HS3 3/4
7/8 Inch I.D. Hose										
6	27-9/16	9311158	25	9311159	21-1/8			7/8 x 1	8179616	LS4 1
7	33-5/8	8339817			30-1/8	8472051	8472054	7/8 x 1-3/8	-	1-3/8
8	32-3/4	8476442	31	-	27-9/16			7/8 x 3/4	3/4 in. male adaptor	3/4
9	35-3/16	8476441	32-5/8	8476440	28-23/32			7/8 x 1	8179616	LS4 1
1-3/8 I.D. Hose										
#10	27	8339816	23-5/8	8350886	19-3/8	8472050	8472055	1-3/8 x 1-1/4	8179618	FSS 1-1/4
11	27	9093906	23-5/8	8350886	19-3/8	8472050	8472053	1-3/8 x 1-1/4	9093907	FSS 1-1/4
#12	35-3/16	8211068	32-5/8	8350891	28-3/8	8472049	8472053	1-3/8 x 1	8179616	LS4 1
13	-	-	32-5/8	8350889	28-3/8	8472049	8472055	1-3/8 x 1-1/4	-	1-1/4
14	36	8271675	32-5/8	8350889	28-3/8	8472049	8472055	1-3/8 x 1-1/4	8179618	FSS 1-1/4

/ 8339816 Replaced by 8251749 # 8211068 Replaced by 8179516

P.L. No. C1094-E

AIR BRAKE HOSE

Brake Cylinder and End Connection Hoses

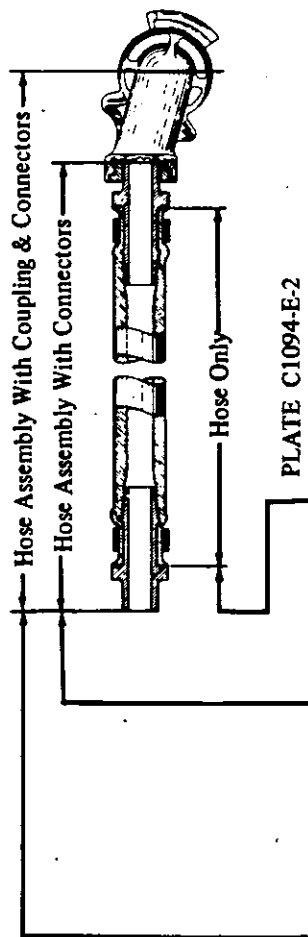
Cotton Braided Rubber Hose With Connectors and Clamps
All Locomotive Models

PLATE C1094-E-2

Ref. No.	Hose Assembly With Coupling And Connectors			Hose Assembly With Connectors			Hose Only			Connector Two (2) Required		Hose Clamp Two (2) Required	Coupling (Glad Hand) Includes Gasket 8157962		
	Length In Inches	Part Number	Inches	Length In Inches	Part Number	Inches	Length In Inches	Part Number	Two (2) Required Hose I.D. x M.P.T.	Part Number	Type		F.P.T.		
3/4 Inch I.D. Hose															
1	23-5/8	9314903	20-3/8	9314902	20-3/8	9314904	8178878	3/4 x 1/2	8178805	HS2	1/2				
2	25-3/4	8107964	-	-	21-1/2	8200554	8178878	3/4 x 3/4	8209117	EP3	3/4				
3	25-3/4	8207222	-	-	22	8200554	8178878	3/4 x 3/4	8355800	LS3	3/4				
4	26-5/8	9315873	23-3/8	9315874	21	9315872	8178804	3/4 x 1/2	8178805	HS2	1/2				
5	26-3/4	8200555	24-3/8	8203151	21-1/2	8200554	8178878	3/4 x 3/4	8179617	ES3	3/4				
6	27-9/16	8203147	24-3/8	8203151	21-1/2	8200554	8178878	3/4 x 3/4	8178877	HS3	3/4				
7	28-1/4	8203148	25-7/8	8203152	23	8203153	8178878	3/4 x 3/4	8179617	ES3	3/4				
8	29-13/16	8203157	27-3/8	8200553	25	8195131	8178804	3/4 x 1/2	8375719	ES4	1/2				
9	30	8203149	27-3/8	8200553	25	8195131	8178804	3/4 x 1/2	8203138	ES2	1/2				
10	30	8238889	27-3/8	8200553	25	8195131	8178804	3/4 x 1/2	8238881	EYS-2	1/2				
11	-	-	30-3/8	8200561	28-3/4	8200560	8178878	3/4 x 3/4	-	-	3/4				
12	30-5/8	8200552	27-3/8	8200553	25	8195131	8178804	3/4 x 1/2	8178805	HS2	1/2				
13	30-7/8	8336660	27-3/8	8200553	25	8195131	8178804	3/4 x 1/2	8366659	LS2	1/2				
14	30-11/16	8195118	27-3/8	8195124	24-1/2	8475310	8178878	3/4 x 3/4	8178877	HS3	3/4				
15	31-5/16	8233262	29-3/16	8210577	26-5/16	8210575	8178878	3/4 x 3/4	8044161	-	3/4				
16	31-5/8	6917487	28-3/8	6917488	26	6917489	8178804	3/4 x 1/2	8178805	HS2	1/2				
17	-	-	32-3/8	8188668	30	8178803	8178804	3/4 x 1/2	-	-	-				
18	-	-	32-3/8	8188667	29-1/2	8475308	8178878	3/4 x 3/4	8044169	-	-				
19	32-1/2	8210530	29-3/16	8210577	26-5/16	8210575	8178878	3/4 x 3/4	8178877	HS3	3/4				
20	34-5/8	9511232	31-3/8	9511233	29	9511231	8178804	3/4 x 1/2	8178805	HS2	1/2				
21	33-11/16	6925127	30-3/8	8200561	27-1/2	8200560	8178878	3/4 x 3/4	8178877	HS3	3/4				
22	34-13/16	8179515	32-3/8	8188667	29-1/2	8475308	8178878	3/4 x 3/4	8179617	ES3	3/4				
23	35-3/8	8338387	-	-	30	8178803	8178804	3/4 x 1/2	8338388	HP3	1/2				
24	35-11/16	8178806	32-3/8	8188668	30	8178803	8178804	3/4 x 1/2	8178805	HS2	1/2				
25	35-11/16	8178879	32-3/8	8188667	29-1/2	8475308	8178878	3/4 x 3/4	8178877	HS3	3/4				
26	35-11/16	8273822	33-3/8	8273821	30-1/2	8273820	8178878	3/4 x 3/4	8179617	ES3	3/4				
27	35-11/16	8490729	32-3/8	8188668	30	8178803	8178804	3/4 x 1/2	8203138	ES2	1/2				

AIR BRAKE HOSE

P.L. No. C1094-E

Brake Cylinder and End Connection Hoses

Cotton Braided Rubber Hose With Connectors and Clamps

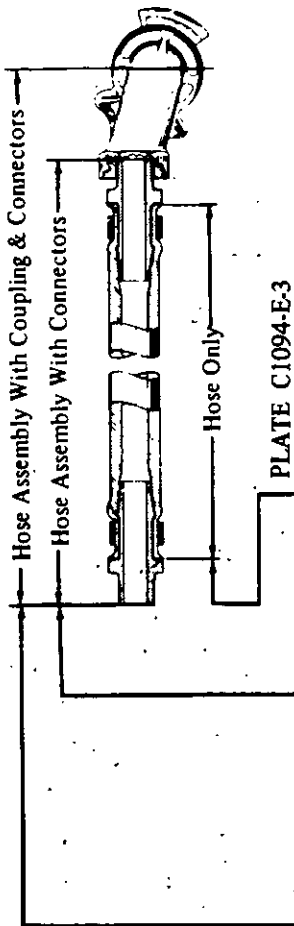


PLATE C1094-E-3

Ref. No.	Hose Assembly With Coupling And Connectors		Hose Assembly With Connectors		Hose Only		Connector Two (2) Required		Hose Clamp Two (2) Required		Coupling (Glad Hand) Includes Gasket 8157962	
	Length In Inches	Part Number	Length In Inches	Part Number	Length In Inches	Part Number	Part Number	Hose I.D. x M.P.T.	Hose I.D. x M.P.T.	Type	F.P.T.	
3/4 Inch I.D. Hose												
28	35-15/16	8336661	32-3/8	8188668	30	8178803	8178804	3/4 x 1/2	8336659	LS2	1/2	
29	37-11/16	6917481	34-3/8	6917482	31-1/2	6917483	8178878	3/4 x 3/4	8178877	HS3	1/2	
30	37-13/16	8203156	35-3/8	8203150	33	8200238	8178804	3/4 x 1/2	8209116	ES2	3/4	
31	37-3/4	8203155	35-3/8	8203150	33	8200238	8178804	3/4 x 1/2	8203138	ES2	1/2	
32	38-9/16	8200240	35-3/8	8200239	32-1/2	8475309	8178878	3/4 x 3/4	8178877	HS3	3/4	
33	42-1/8	8307480	38-7/8	8307483	36-1/2	8307486	8178804	3/4 x 1/2	8178805	HS2	1/2	
34	...	...	57-3/8	8203159	54-1/2	8209154	8177978	3/4 x 3/4	8044161	...	3/4	
35	...	...	57-3/8	8203158	54-1/2	8209154	8178804	3/4 x 1/2	...	...	...	
1-1/8 Inch I.D. Hose												
36	24	9315050	21-5/8	9315049	18	9315048	8179571	1-1/8 x 1	8179616	LS4	1	
37	...	...	25	8240023	22	8203140	8203137	1-1/8 x 3/4	...	...	...	
38	26-7/16	8059859	...	...	22	8203140	8203137	1-1/8 x 3/4	8203136	HP4	3/4	
39	26-3/8	8107965	...	...	22	8203140	8179571	1-1/8 x 1	8179616	LS4	3/4	
40	26-3/4	8170668	...	...	22	8203140	8179571	1-1/8 x 1	8203136	HP4	1	
41	27	8200557	24-5/16	8200558	21	8200559	8179571	1-1/8 x 1	8179616	LS4	1	
42	31-1/8	6917484	28-5/8	6917485	25	6917486	8179571	1-1/8 x 1	8179616	LS4	1	
43	28-3/4	8375720	25-5/8	8377347	22	8209140	8203137	1-1/8 x 3/4	8375719	ES4	3/4	
44	29-1/8	9093939	26-5/8	8203161	23	8203118	8179571	1-1/8 x 1	9093938	LS4	1	
45	29-3/4	8300907	26-5/8	8203161	23	8203118	8179571	1-1/8 x 1	8308254	FS4	1	
46	...	...	32-3/8	8188666	29	8179570	8179571	1-1/8 x 1	...	...	...	
47	29-1/8	8203160	26-5/8	8203161	23	8203118	8179571	1-1/8 x 1	8179616	LS4	1	

P.L. No. C1094-E

AIR BRAKE HOSE

Brake Cylinder and End Connection Hoses
Cotton Braided Rubber Hose With Connectors and Clamps

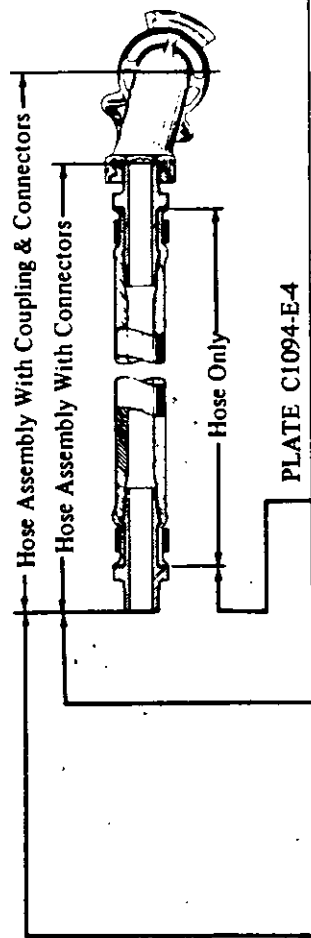


PLATE C1094-E-4

Ref. No.	Hose Assembly With Coupling And Connectors		Hose Assembly With Connectors		Hose Only		Connector Two (2) Required		Hose Clamp Two (2) Required		Coupling (Glad Hand) Includes Gasket 8157962	
	Length In	Part Number	Length In	Part Number	Length In	Part Number	Part Number	Hose I.D. x M.P.T.			Part Number	Type
1-1/8 Inch I.D. Hose												
48	32-3/4	8318283	29-5/8	8353894	26	8353885	8179571	1-1/8 x 1			8308254	FS4
49	35-3/16	8179516	33	8037464	30	8203421	8203137	1-1/8 x 3/4			8179616	LS4
50	35-11/16	8196432	32-5/8	8188666	29	8179570	8179571	1-1/8 x 1			8196431	F34
51	34-7/16	8252091	32-5/8	8188666	29	8179570	8179571	1-1/8 x 3/4			8203136	HP4
52	37-7/16	8338390	31-1/4	8307484	33-1/2	8307488	8179571	1-1/8 x 1		8233636	8179616	LS4
53	39-1/2	8307481	37-1/8	8307484	33-1/2	8307488	8179571	1-1/8 x 1			8179616	LS4
54	39-1/2	8308255	37-1/8	8307484	33-1/2	8307488	8179571	1-1/8 x 1			8308254	FS4
55	34-11/16	8210531	31-5/8	8210528	28	8210527	8179571	1-1/8 x 1			8196431	FS4
56	36-3/16	9511241	57-5/16	8203146	54	8203145	8179571	1-1/8 x 1			8179616	LS4
57	36-3/16	9511241	33-5/8	9511240	30	8203421	8179571	1-1/8 x 1				
1-3/8 Inch I.D. Hose												
59	27	9327863	24-1/8	8203115	22	8203290					8203134	FP5
60	27-1/2	8203120	27-5/8	8195123	20-1/2	8209121					8179618	FS5
61	29	8309870	25-5/8	8236962	24	8195132					8179618	FS5
62	29-3/8	8236520	25-5/8	8236962	22	8203290					8236519	HS5
63	31	8195117	27-5/8	8201676	26	8201886						
64	32-1/2	8210529	29-1/8	8195123	24	8195132					8179618	FS5
65	32-3/4	8341748	32-5/8	8168669	29	8179568					8179618	FS5
66												
67												
68											8203134	FP5

† 9327863 Replaced by 8251749

AIR BRAKE HOSE

Brake Cylinder and End Connection Hoses

Cotton Braided Rubber Hose With Connectors and Clamps

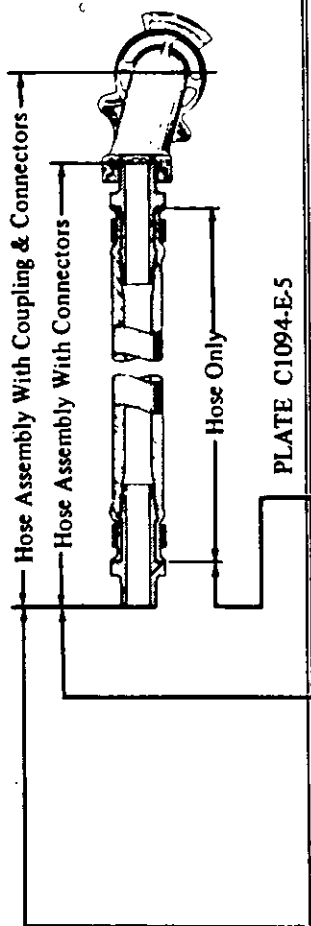


PLATE C1094-E-5

Ref. No.	Hose Assembly With Coupling And Connectors		Hose Assembly With Connectors		Hose Only		Connector Two (2) Required		Hose Clamp Two (2) Required	Coupling (Glad Hand) Includes Gasket 8157962		
	Length In Inches	Part Number	Length In Inches	Part Number	Length In Inches	Part Number	Part Number	Hose I.D. x M.P.T.		Part Number	Type	F.P.T.
1-3/8 Inch I.D. Hose												
69	33-1/4	8233261	31-1/8	8203144	27-1/2	8203142				8044163	---	
70	34-1/2	6925128	31-1/8	8209144	27-1/2	8203142				8179618	FSS	
71	36	8179514	32-3/8	8188669	29	8179568				8179618	FSS	
72	36	8285451	-	-	31	6917480				8203134	FP5	
73	37	8273921	-	-	32	8200235				8203134	FP5	
74	37-3/8	8456853	33-5/8	8456854	30	8456801				8236519	HSS	
75	38	6917478	34-5/8	6917479	31	6917480				8179618	FSS	
76	38-3/4	8483439	35-9/16	8483438	33-3/4	8483437				8203134	FP5	
77	39	8200237	35-3/8	8200236	32	8200235		1-3/8 x 1-1/4	8233634	8203134	FP5	
78	41	8441305	-	-	36	8441307				8179618	FSS	
79	54	8483429	50-5/8	8483428	47	8483427				8179618	FSS	
80	-	-	57	8209149	53-1/2	8209141				----	---	
81	79	8062560	75-3/8	8203139	72	8203289				8179618	FSS	1-1/4

48285451 Replaced by 8179514

AIR FILTER

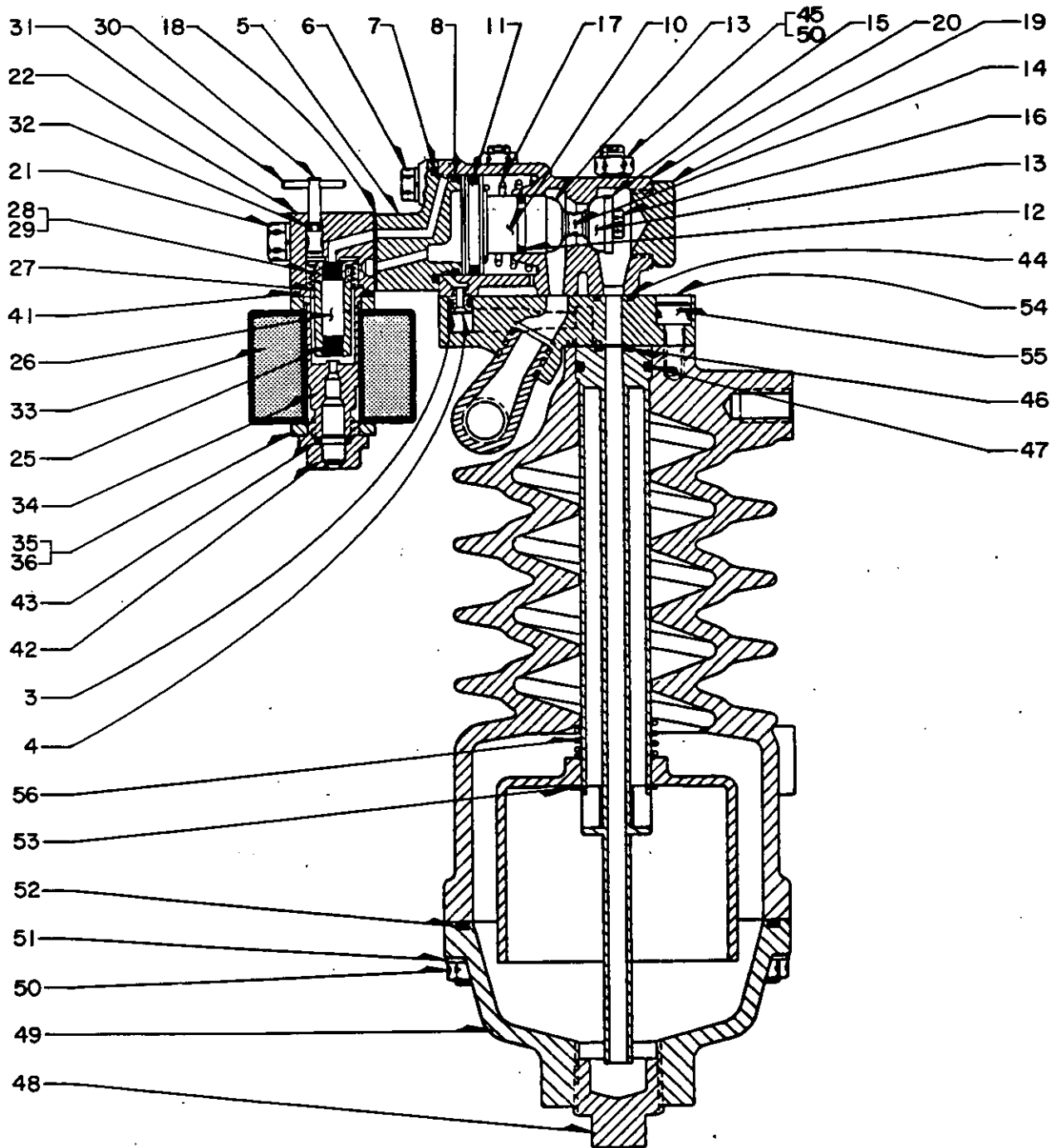
Parts List No. A1095-E

Auxiliary Main Reservoir Line Centrifugal Air Filter
G26CU Locomotives
PLATE A1095-E-1

Ref. No.	Part Number	No. Req.	Description
1	8465754	1	FILTER .. Centrifugal air with electric drain valve - No. 818-1-20
* 2		1	VALVE .. Drain
3	8156967	1	RING .. "O" - Retainer plug seal
4	8294564	1	PLUG .. Retainer - 3/32 in. diameter orifice
5	8433431	1	CAP .. Adaptor
6	451626	2	SCREW .. Cap - Includes lockwasher
7	8369656	1	RING .. "O" - Adaptor cap to drain valve body seal - Large
8	8369655	1	RING .. "O" - Adaptor cap to drain valve body seal - Small
* 9	8390676	1	PISTON ASSEMBLY .. Drain valve
10	8382425	1	PISTON .. Drain valve
11	8369654	1	RING .. "O" - Piston seal - Large
12	8156971	1	RING .. "O" - Piston seal - Small
13	8294563	2	SEAT .. Valve
14	8351985	1	SPACER .. Valve seat
15	8351984	1	WASHER .. Valve seat
16	8351986	1	BOLT .. Valve stem
17	8382424	1	SPRING .. Drain valve piston
18	8369653	1	GASKET .. Solenoid valve to drain valve body
19	8390671	1	CAP .. Bottom
20	8433430	1	BODY .. Valve
21		2	SCREW .. Cap - Includes lockwasher
22	8470139	1	VALVE .. Solenoid - No. 803-1-20
*23	8250983	1	PLUNGER ASSEMBLY .. Valve
*24	8447977	1	KIT ASSEMBLY .. Seat and spacer
25	8251091	2	SEAT .. Plunger
26	8293034	1	SPACER .. Plunger - Free length 1-1/32 in. - 5/16 O.D.
27	8293029	1	BODY .. Plunger
28	8293036	1	CAP .. Plunger
29	8288488	1	SPRING .. Plunger
30	8350917	1	PLUNGER .. Override
31	9417443	1	PIN .. Roll - Override plunger
32	8294630	1	RING .. "O" - Override plunger seal
33	8468748	1	COIL .. Solenoid - 330 Ohm - 75 Volts D.C.
34	8350383	1	POLE .. Coil
35	8362365	1	YOKE .. Field
36	8390672	1	CASE .. Coil
*37		1	PLATE .. Coil case cover plate
*38	8293030	1	GASKET .. Coil case cover plate
*39	121832	2	SCREW .. Machine - Plate to case - 8-32 x 3/8 round head
*40	8251649	1	GROMMET .. Rubber
41	8362707	1	SEAL .. Coil case to solenoid body
42	8360402	1	NUT .. Exhaust
43	8305664	1	RING .. "O" - Exhaust nut seal
44	8382423	1	RING .. "O" - Drain valve adaptor to drain valve body seal
45	120376	4	NUT .. 5/16-18 hex.
46	8167469	2	RING .. "O" - Drain valve adaptor to exhaust tube and separator body seal
47	8369652	1	RING .. "O" - Exhaust tube to separator body seal
48	8353715	1	PLUG .. Pipe
49		1	CAP .. Sump
50		6	NUT .. Sump cap
51	120214	6	WASHER .. Lock - Sump cap
52	8370430	1	SEAL .. Sump cap to separator body
53		1	RING .. Retainer
54		1	ADAPTOR .. Drain valve
55		3	SCREW .. Cap
56		1	SPRING .. Separator
*57	8081568	2	GASKET .. Mounting - Flange to filter
*58	8173563	2	FLANGE .. Swivel
*59	8173560	1	INSERT .. Swivel flange
*60	8173566	1	INSERT .. Swivel flange
*61	179883	4	BOLT .. 1/2-13 x 1-1/4 hex. head

P.L. No. A1095-E

AIR FILTER



Ref. No. 1

PLATE A1095-E-1

Parts List No. D1100-E

AIR AND EXHAUSTER COMPRESSOR

Model WXOV
G16U,G16W,G18U,GA18,GL18M,G22CW and GT22CW Locomotives
PLATES C1100-E-1 and E-2

Ref. No.	Part Number	No. Req.	Description	WXOV Model	Replaced By	Locomotive Application
1	8196782	1	COMPRESSOR	8002	9312435	G18U
* 1	8419302	1	COMPRESSOR	8007	9312435	G18U,GA18
* 1	8442216	1	COMPRESSOR	8100	9312435	G18U,G22CW,GT22CW
* 1	9312435	1	COMPRESSOR	8102	-----	G18U,GL18M,G22CW,GT22CW
1	8252431	- 1	COMPRESSOR	8003	9312436	G16U,G16W
* 1	8442578	- 1	COMPRESSOR	8101	9312436	G16U,G16W
* 1	9312436	- 1	COMPRESSOR	8103	-----	

The following components are applicable to each of the above Compressors, unless otherwise specified.

2	8460409	1	1	CRANKCASE ASY. ... 10-1/2 in. shaft to floor - Replaces 8068191
* 3	8282996	1	1	TUBE .. Crankcase oil return - 3/8 O.D. x 10 in. long
4	453675	1	1	PIN .. Roll - .392 dia. x .750 in. long
5	103869	3	3	PLUG .. Pipe - Crankcase oil drain - 3/4 M.P.T.
6	8204509	1	-	CRANKSHAFT ASY. ... Single end - Not furnished - Use: 1-9336927 Crankshaft and 12-8496981 Bearings
6	9336927	1	-	CRANKSHAFT ASY. ... Single end
* 6	8148831	- 1	-	CRANKSHAFT ASY. ... Double end - Not furnished - Use: 1-9336925 Crankshaft and 12-8496981 Bearings
* 6	9336925	- 1	-	CRANKSHAFT ASY. ... Double end
7	8039762	1	2	NUT .. Crankshaft end - 2 - 8 hex.
8	102592	1	2	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket head cup point
9	9339050	1	1	PLUG .. Orifice - Formerly 8475630
10	8068192	2	2	BEARING .. Main roller
11	8342748	1	1	PLATE .. Bearing - End - Intercooler side - WXOV 8002, 8003
* 11	8364350	1	-	PLATE .. Bearing end - Intercooler side - WXOV 8007, 8100, 8102
12	8068193	1	1	PLATE .. Bearing end - Drive side
13	8083557	6	6	SHIM .. Intercooler side bearing plate - .005 in. thick
14	8083558	4	4	SHIM .. Intercooler side bearing plate - .007 in. thick
15	8083559	4	4	SHIM .. Intercooler side bearing plate - .010 in. thick
16	8204510	1	-	COVER .. Bearing end plate - WXOV 8002 - Not furnished - Use: 1-8364350 Plate
17	8135502	1	1	GASKET .. Intercooler side bearing plate
18	8068195	1	1	GASKET .. Drive side bearing plate
19	8204458	1	-	GASKET .. Bearing end plate cover - WXOV 8002
* 20	8341228	1	1	SEAL .. Oil - Intercooler side bearing plate - WXOV 8002, 8003
* 21	8083560	- 1	-	SEAL .. Oil - Intercooler side plate
22	8083554	1	1	SEAL .. Oil - Drive side plate - Replaces 8344308
* 23	8083561	- 1	-	RETAINER .. Oil seal - Applicable to ref. no. 21
24	271556	6	6	BOLT .. Intercooler side plate - 5/8 - 11 x 1-1/4 hex. head - Replaces 100183
25	179887	1	1	BOLT .. Intercooler side plate - 1/2 - 13 x 1-3/4 hex. head - WXOV 8002, 8003
26	271609	8	8	BOLT .. Drive side plate - 3/4 - 10 x 1-3/4 hex. head
27	179791	4	-	BOLT .. Bearing end plate cover - 1/4 - 20 x 1/2 hex. head - WXOV 8002
28	103878	1	1	PLUG .. Pipe - Intercooler side plate - 1/4 M.P.T. sq. head - WXOV 8002, 8003
* 29	444687	2	2	PLUG .. Pipe - Drive side plate - 1/8 - 27 hex. socket
30	8068199	1	1	PLATE .. Inspection
31	8267923	1	1	PLATE .. Oil filler and gauge mounting
32	8214170	2	2	GASKET .. Plate to crankcase
33	179838	17	17	BOLT .. Plate mounting - 3/8 - 16 x 7/8 hex. head
34	8267927	1	1	BODY .. Oil filler
35	8267928	1	1	CAP .. Oil filler body
* 36	8268732	1	1	GASKET .. Body to plate
* 37	8268731	1	1	GASKET .. Cap to body

P.L. No. D1100-E

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
-	----	A B	COMPRESSOR .. Air and exhauster
*38	179847	2 2	BOLT .. Oil filler body - 3/8 - 16 x 2 hex. head
*39	8102043	1 -	BOLT .. Oil filler body - 3/8 - 16 x 1 hex. head - WXOV 8007, 8100, 8102
φ*40	8468528	1 -	DIPSTICK .. Oil level - WXOV 8102 for GL18 locomotive - Formerly 8468523
φ 40	8267929	1 1	GAUGE .. Oil level float
*41	8276868	1 1	GASKET .. Gauge to plate
*42	132268	4 4	BOLT .. Gauge mounting - 1/4 - 20 x 7/8 fill. head
43	8322435	1 1	BREATHER ASY. .. Crankcase - See P.L. 1164
*44	8068804	1 1	GASKET .. Crankcase breather
*45	271556	2 2	BOLT .. Breather mounting - 5/8 - 11 x 1-1/4 hex. head - Repl. 100183
46		1 1	TUBE .. Crankcase breather vent - WXOV 8002, 8003, 8007
47	8206196	2 2	UNION .. Breather vent tube - WXOV 8002, 8003, 8007
*48	8317897	1 1	WIRE .. Breather cap lock - Incl. lead - Approx. 16 in. long
49	8175374	1 1	VALVE ASY. .. Oil relief - WXOV 8002, 8003 8007 Replaced by 1 - 8493807 Valve, 1 - 8493809 Gasket and 4 - 179848 Bolts
49	8493807	1 1	VALVE ASY. .. Oil relief - WXOV 8100 thru 8103
φ*50	8083572	1 1	GASKET .. Valve to crankcase - Applicable to 8175374 Valve
φ*50	8493809	1 1	GASKET .. Valve to crankcase - Applicable to 8493807 Valve
φ 51	179847	4 4	BOLT .. Valve mtg. - 3/8 - 16 x 2 hex. head - Appl. to 8175374 Valve
φ 51	179848	4 4	BOLT .. Valve mtg. - 3/8 - 16 x 2-1/4 hex. head - Appl. to 8493807 Valve
52	8130811	1 1	PUMP .. Oil - Lubricating - See P.L. 1158
† *52A		1 1	KIT .. Gear pump conversion - WXOV 8100 thru 8103
*53	8083565	1 1	GASKET .. Flange to crankcase
*54	8083566	2 2	SCREW .. Oil pump mtg. - 1/2 - 13 x 1-1/2 hex. head - Drilled
*55	8116738	A.R.	WIRE .. Lock - 3/64 dia. x 500 ft. long - 7 in. required
56	8135506	1 1	STRAP ASY. .. Eccentric - See P.L. 1158
57	8068809	- -	HEAD .. Cylinder - Low pressure 1 required on right side of WXOV 8007, 8100 thru 8103 2 required for WXOV 8002, 8003
58	271560	16 16	BOLT .. Valve cover to head - 5/8 - 11 x 1-3/4 hex. head
59	8204517	1 1	HEAD .. Cylinder - High pressure
60	271560	8 8	BOLT .. Valve cover to head - 5/8 - 11 x 1-3/4 hex. head
61	9091776	1 1	HEAD .. Cylinder - Single vacuum - Formerly 8204527
62	9091778	1 1	HEAD .. Cylinder - Double vacuum - Left side - WXOV 8007, 8100 thru 8103 - Replaces 8419665
63	271560	24 24	BOLT .. Valve cover to head - 5/8 - 11 x 1-3/4 hex. head
64	9337189	2 2	GASKET .. Low pressure and double vacuum head to cylinder - Repl. 8204459
65	8204462	1 1	GASKET .. High pressure head to cylinder
66	9091775	1 1	GASKET .. Single vacuum head to cylinder - Replaces 8204461
67	271558	24 24	BOLT .. L.P. and double vacuum head mounting - 5/8 - 11 x 1-1/2 hex. head
*68	272553	4 4	BOLT .. L.P. and double vacuum head mounting - 5/8 - 11 x 6-3/4 hex. head
69	179887	8 8	BOLT .. H.P. head mounting - 1/2 - 13 x 1-3/4 hex. head
70	9421661	8 8	BOLT .. Single vac. hd. mtg. - 5/8 - 11 x 1-1/2 hex. soc. head
71	8033548	5 5	VALVE .. L.P. and vacuum discharge
72	8033552	1 1	VALVE .. High pressure discharge
73	8107324	5 5	GASKET .. Cover to L.P. and vacuum head
74	8107325	1 1	GASKET .. Cover to H.P. head
75	----	2 2	VALVE .. L.P. suction unloading
76	----	1 1	VALVE .. H.P. suction unloading
77	----	3 3	VALVE .. Vacuum suction unloading
78	8083598	2 2	GASKET .. Cover to L.P. head
79	8107325	1 1	GASKET .. Cover to H.P. head
80	8107324	3 3	GASKET .. Cover to vacuum head
81	8204519	2 2	BOLT .. Eye - Lifting compressor

} See P.L.
1152

} See P.L. 1161

} See P.L. 1161

† A Kit is available to convert WXOV 8100 thru 8103 compressors from lubricating oil pump, to gear driven oil pump.
Order as NPN-WBG 69121. Breakdown scheduled for future supplement.

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
-	----	A B	COMPRESSOR .. Air and exhauster
82	8204514	2 2	CYLINDER .. L.P. and double vac. - 7-7/8 in. dia. bore
83	8204516	1 1	CYLINDER .. High pressure - 5-3/4 in. dia. bore
84	8204526	1 1	CYLINDER .. Single vacuum - 7-7/8 in. dia. bore
85	8068806	2 2	GASKET .. L.P. and double vac. cylinder to crankcase
86	8204460	2 2	GASKET .. H.P. and single vac. cylinder to crankcase
87	271611	24 24	BOLT .. Cylinder mounting - 3/4 - 10 x 2 hex. head
88	8282734	24 24	WASHER .. Lock - 3/4
89	----	2 2	PISTON .. Low pressure
90	----	1 1	PISTON .. High pressure
91	----	3 3	PISTON .. Vacuum
* 92	8422002	2 2	BEARING .. Roller - H.P. piston } WXOV 8007, 8100
* 93	274621	4 4	RETAINER .. Bearing - H.P. piston } thru 8103
94	----	2 2	RING SET .. Low pressure piston
95	----	1 1	RING SET .. High pressure piston
96	----	6 6	RING .. Compression - Vacuum piston
97	8063258	5 5	PIN .. Low pressure and vacuum piston
98	8083618	1 1	PIN .. High pressure piston - WXOV 8002, 8003
98	8422001	1 1	PIN .. High pressure piston - WXOV 8007, 8100 thru 8103
99	8033545	- -	ROD ASY. .. Connecting 5 required for WXOV 8007, 8100 thru 8103 6 required for WXOV 8002, 8003
99	8421998	1 1	ROD ASY. .. Connection - High pressure - WXOV 8007, 8100 thru 8103
100	8496981	12 12	BEARING .. Connecting rod - Upper and lower 8499962 .. .030 oversize - Replaces 8090120
101	8063255	6 6	BOLT .. Piston pin clamp - 1/2 - 20 x 2 hex. head - Drilled
102	8116738	A.R.	WIRE .. Lock - 3/64 dia. x 500 ft.
103	8360510	12 12	BOLT .. Cap to rod - 5/8 - 11 x 4-3/32 in. long - Special
104	102639	12 12	NUT .. Cap to rod bolt - 5/8 - 11 hex.
105	107812	12 12	NUT .. Lock - 5/8 - 11 hex.
106	8190627	1 1	INTERCOOLER ASY. .. Air compressor - See P.L. 1155
107	8310077	1 1	VALVE .. Intercooler safety
108	8063183	2 2	COCK .. Drain - 1/4 M.P.T.
109	8068837	1 1	ELBOW .. L.P. head to intercooler inlet
110	8204520	1 1	ELBOW .. Intercooler and double vacuum head outlet
111	8204521	1 1	CONNECTOR .. H.P. head to intercooler inlet
112	8067251	2 2	GASKET .. Elbows to intercooler
113	8067253	1 1	GASKET .. Connector to intercooler
114	8039111	2 2	GASKET .. Elbows to L.P. and double vacuum head
115	8083628	1 1	GASKET .. Connector to H.P. head
116	179887	8 8	BOLT .. Elbows to heads - 1/2 - 13 x 1-3/4 hex. head
117	179881	8 8	BOLT .. Connector mounting - 1/2 - 13 x 1 hex. head
118	179883	8 8	BOLT .. Elbows to intercooler - 1/2 - 13 x 1-1/4 hex. head
119	103323	8 8	WASHER .. Lock - 1/2
*120	102637	8 8	NUT .. 1/2 - 13 hex.
*121	103878	1 1	PLUG .. Pipe - Connector - 1/4 M.P.T. square head
122	8204528	1 1	MANIFOLD .. Vacuum head intake
123	8082672	2 2	GASKET .. Manifold to head
124	179881	4 4	BOLT .. Manifold mounting - 1/2 - 13 x 1 hex. head
125	190256	4 4	BOLT .. Manifold mounting - 1/2 - 13 x 4-1/2 hex. head
*126		4 4	GASKET .. Bolt to head - Copper
127		1 1	TUBE .. L.P. head valve to valve
128		1 1	TUBE .. L.P. head valve to H.P. head valve
*129	8037147	2 2	ELBOW .. Tube to valve - 1/4 M.P.T. x 3/8 tube x 90°
*130		1 1	TEE .. Tube to valve
*131	105423	1 1	ELBOW .. 1/4 M.P.T. x 1/4 F.P.T. x 90°
*132		1 1	CLAMP .. Tube
*133	113974	1 1	SCREW .. Clamp - 1/4 - 20 x 3/8 round head

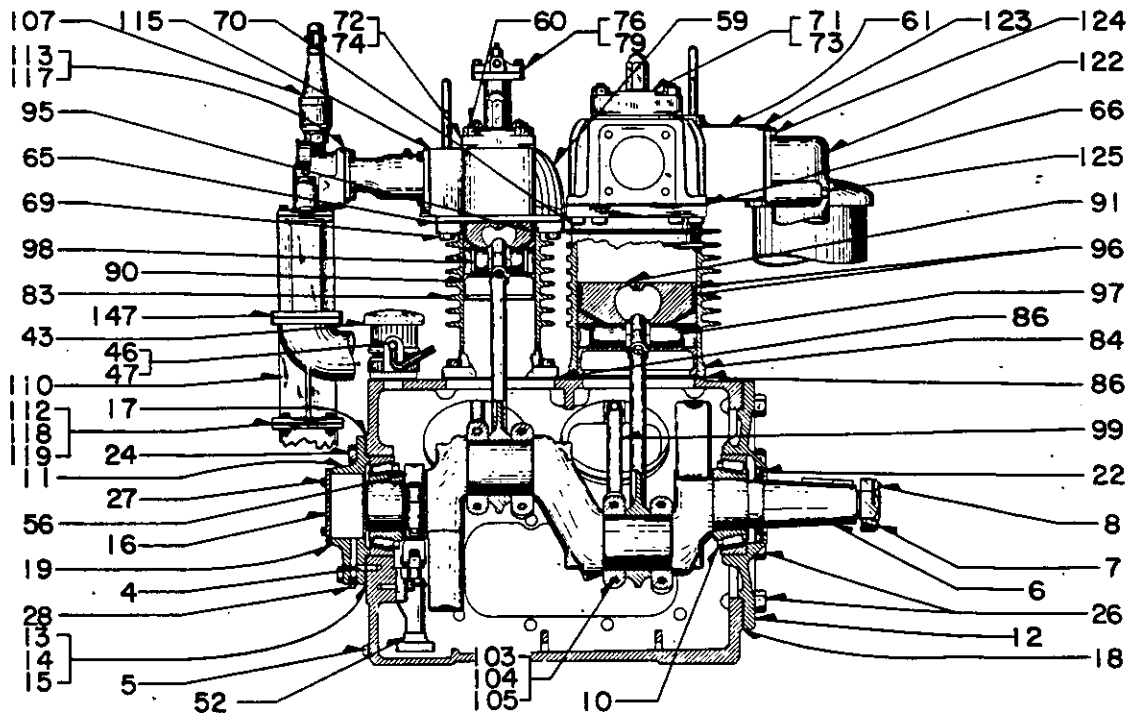
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P.L. No. D1100-E

AIR AND EXHAUSTER COMPRESSOR

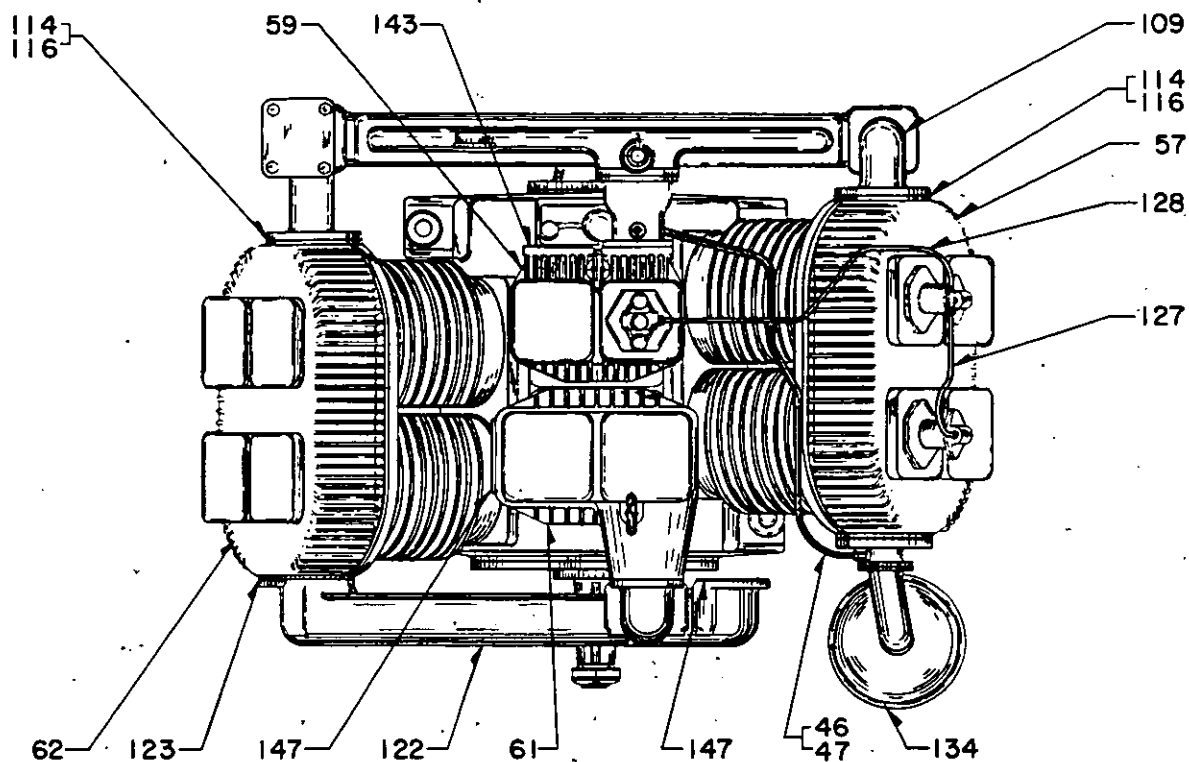
Ref. No.	Part Number	No. Req.	Description
	A B		COMPRESSOR .. Air and exhauster
<i>Air compressor models WXOV 8100 thru 8103 do not include Ref. Nos. 134 thru 142.</i>			
134	8402067	1 1	FILTER .. Air intake - Dry type
*134	8157034	- 1	FILTER .. Air intake - Vortex type - V.XOV 8003 only
*135	8083609	1 1	FLANGE .. Air filter to L.P. head
135	8264358	- 1	FLANGE .. Air filter to L.P. head - WXOV 8003 only
136	8067255	1 1	GASKET .. Filter to flange
137	8082672	1 1	GASKET .. Flange to L.P. head
*138	179843	4 4	BOLT .. Air filter to flange - 3/8 - 16 x 1-1/2 hex. head
138	215511	- 4	BOLT .. Air filter to flange - 3/8 - 16 x 5-3/4 hex. head - WXOV 8003
*139	179883	4 4	BOLT .. Flange to L.P. head - 1/2 - 13 x 1-1/4 hex. head
139	179881	- 4	BOLT .. Flange to L.P. head - 1/2 - 13 x 1 hex. head - WXOV 8003
*140	103321	4 -	WASHER .. Lock - 3/8
*141	103323	4 -	WASHER .. Lock - 1/2
*142	102635	4 -	NUT .. 3/8 - 16 hex.
+ 143	8083628	1 1	GASKET .. Flange to head - High pressure discharge
++144	8329401	1 1	FLANGE .. High pressure discharge - Formerly 8229401
++145	8255258	1 1	GASKET .. Flange to elbow - High pressure discharge
++146	8329402	1 1	FLANGE .. High pressure discharge pipe
+ 147	8082672	3 3	GASKET .. Flange to vacuum heads and manifold
++148	8132774	3 3	FLANGE .. Vacuum inlet and outlet
*149	8232099	1 -	GAUGE .. Lube oil pressure - 0 to 100 P.S.I. - See P.L. 1805
*150	9316689	1 -	VALVE .. Cock - 1/4 F.P.T.
*151	9336224	1 -	BRACKET .. Gauge mounting
*152	8060971	2 -	NIPPLE .. Pipe - 1/4 M.P.T. x 1-1/2 in. long
*153	8044166	1 -	ELBOW .. Union - 1/4 F.P.T. - 90°

Applicable to
WXOV 8102 for
GL18M Loco.

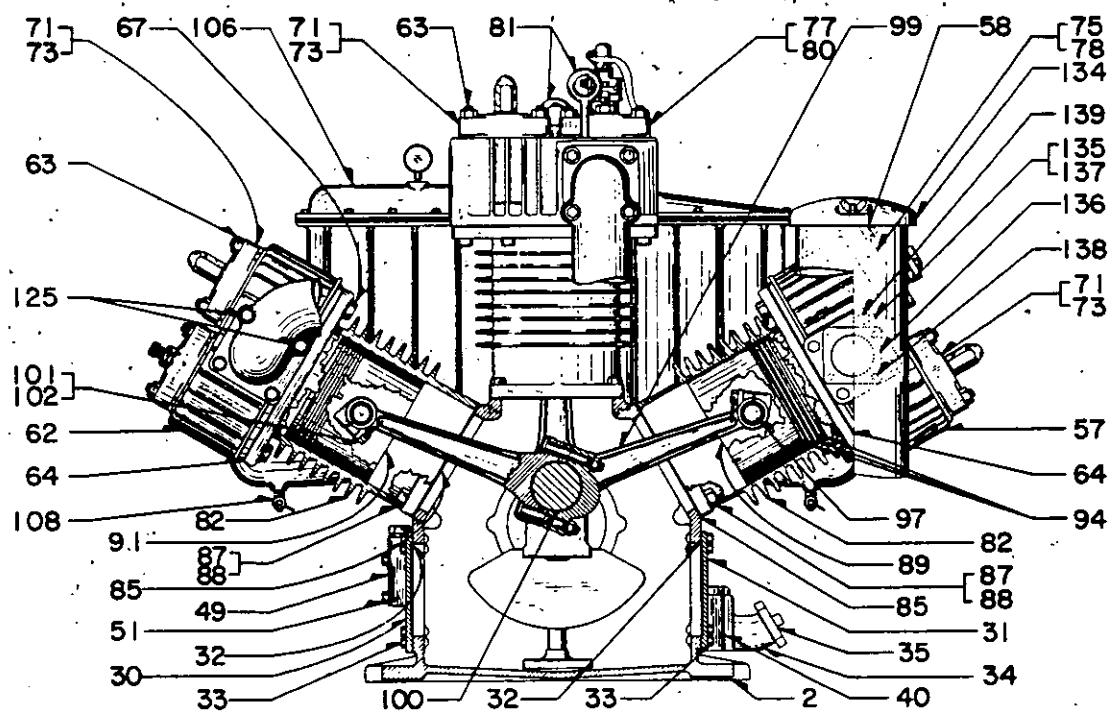


Side View
Ref. No. 1
PLATE C1100-E-1

AIR AND EXHAUSTER COMPRESSOR



TOP VIEW

FRONT VIEW
PLATE C1100-E-2

AIR AND EXHAUSTER COMPRESSOR

Pistons, Rings and Ring Sets

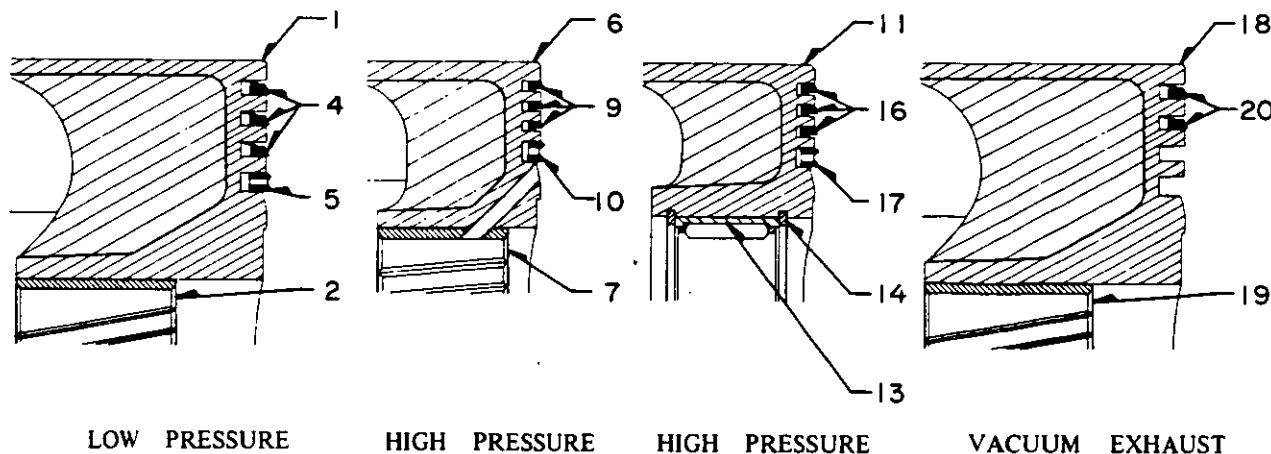


PLATE A1100-E-3

Ref. No.	Part Number				No. Req.	Description	Air Compressor Model Application
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.			
LOW PRESSURE PISTON ASSEMBLY AND RING SET							
1	8338021	8345331	8345332	8345333	2	PISTON ASSEMBLY	WXOV 8002,8003,8007 8100 thru 8103
2	8338022	8338022	8338022	8338022	4	BUSHING .. Sleeve	
* 3	8252281	8252282	8252283	8252284	2	RING SET	
4	8215093	8215094	8215095	8215096	6	RING .. Compression	
5	8215101	8215102	8215103	8215104	2	RING .. Oil	
HIGH PRESSURE PISTON ASSEMBLIES AND RING SETS							
6	8343422	8343866	8343867	8343868	1	PISTON ASSEMBLY	WXOV 8002,8003
7	8343431	8343431	8343431	8343431	2	BUSHING .. Sleeve	
* 8	8252292	8252293	8252294	8252295	1	RING SET	
9	8219292	8219519	8219518	8219517	3	RING .. Compression	
10	8215109	8215110	8215111	8215112	1	RING .. Oil	
11	8430937	8459487	8459488	8459489	1	PISTON ASSEMBLY	WXOV 8007, 8100 thru 8103
*12	8421997	Replaces 8430938			1	PISTON	
13	8422002	8422002	8422002	8422002	2	BEARING .. Roller	
14	274621	274621	274621	274621	4	RETAINER	
*15	8271437	8271436	8271435	8271434	1	RING SET	
16	8267600	8270353	8270354	8270355	3	RING .. Compression	
17	8215109	8215110	8215111	8215112	1	RING .. Oil	
VACUUM EXHAUST PISTON ASSEMBLY AND COMPRESSION RING							
18	8338021	8345331	8345332	8345333	3	PISTON ASSEMBLY	WXOV 8002,8003,8007, 8100 thru 8103
19	8338022	8338022	8338022	8338022	6	BUSHING .. Sleeve	
20	8238311	8252228	8252229	8252230	6	RING .. Compression	

AIR AND EXHAUSTER COMPRESSOR

Model ADJV Air and Exhauster Compressor
G18U,G22CU,GL22C and GT26CW-2 Locomotives

PLATE C1106-E-1

Ref. No.	Part Number	No. Req.	Description	ADJV Model	Replaced By	Locomotive Application
1	8307218	1	COMPRESSOR .. Air and exhauster	8000	9312433	GL22C
1	8457993	1	COMPRESSOR .. Air and exhauster	8101	9312433	G18U,G22CU
1	9312433	1	COMPRESSOR .. Air and exhauster	8103		G18U,G22CU,GT26CW-2

The following items are applicable to each of the above Compressors, unless otherwise specified.

2	8460409	1	CRANKCASE ASY. .. Low type - 10-1/2 in. shaft to floor Replaces 8068191			
* 3	8282996	1	TUBE .. Crankcase oil return - 3/8 O.D. x 10 in. long			
* 4	453675	1	PIN .. Roll - .392 dia. x .750 in. long			
5	103869	3	PLUG .. Pipe - Crankcase oil drain - 3/4 M.P.T.			
6	8204509	1	CRANKSHAFT ASY. .. Single end - Not furnished - Use: 1-9336927 Crankshaft and 12-8496981 Bearings			
6	9336927	1	CRANKSHAFT ASY. .. Single end			
7	8039762	1	NUT .. Crankshaft end - 2 - 8 hex.			
8	102592	1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket head - Cup point			
* 9	428988	4	PLUG .. Pipe - Oil line - 1/4 hex. head socket			
*10	8483621	4	BOLT .. Counterweight			
*11	9339050	1	PLUG .. Orifice			
12	8068192	2	BEARING .. Main roller			
13	8364350	1	PLATE .. Bearing end - Filter side - Except ADJV 8000			
14	8342748	1	PLATE .. Bearing end - Filter side			
15	8341228	1	SEAL .. Oil - Rubber			
16	8068193	1	PLATE .. Bearing end - Drive side			
17	8083557	6	SHIM .. Filter side bearing end - .005 thick			
18	8083558	4	SHIM .. Filter side bearing end - .007 thick			
19	8083559	4	SHIM .. Filter side bearing end - .010 thick			
*20	8204510	1	COVER .. Bearing end plate - Not furnished - USE: 1-8364350 Plate			
*21	8204458	1	GASKET .. Bearing end plate			
22	8135502	1	GASKET .. Filter side bearing end			
23	8068195	1	GASKET .. Drive side bearing end			
24	8083554	1	SEAL .. Oil - Drive side plate - 5.004 O.D. x .468 thick - Rubber - Repl. 8344308			
25	271556	6	BOLT .. Filter side plate - 5/8 - 11 x 1-1/4 hex. head			
26	271609	8	BOLT .. Drive side plate - 3/4 - 10 x 1-3/4 hex. head			
*27	179791	4	BOLT .. Bearing end plate cover - ADJV 8000 only			
*28	444687	1	PLUG .. Pipe - Drive side plate - 1/8 - 27 hex. socket			
29	8068199	1	PLATE .. Inspection			
30	8267923	1	PLATE .. Oil filler and gauge mounting			
31	8214170	2	GASKET .. Plate to crankcase			
32	179838	16	BOLT .. Plate mounting - 3/8 - 16 x 7/8 hex. head			
33	8267927	1	BODY .. Oil filler			
34	8267928	1	CAP .. Oil filler body			
35	8268732	1	GASKET .. Body to plate			
*36	8268731	1	GASKET .. Cap to body			
*37	179847	2	BOLT .. Oil filler body - 3/8 - 16 x 2 hex. head			
38	8267929	1	GAUGE .. Oil level float - "Add-Run-Exc."			
*39	8276868	1	GASKET .. Gauge to plate			
40	132268	4	BOLT .. Gauge mounting - 1/4 - 20 x 7/8 fil. head			
41	8322435	1	BREATHER ASY. .. Crankcase - See P.L. 1164			
42	8068804	1	GASKET .. Crankcase breather			
43	271556	2	BOLT .. Breather mounting - 5/8 - 11 x 1-1/4 hex. head			
44	8317897	1	WIRE .. Breather cap lock - Incl. lead - Approx. 16 in. long			
45	-----	1	VALVE ASY. .. Oil relief - See P.L. 1152			
46	8083572	1	GASKET .. Valve to crankcase			
47	179847	4	BOLT .. Valve mounting - 3/8 - 16 x 2 hex. head			

ADJV 8000

P.L. No. D1106-E

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
		1	COMPRESSOR .. Air and exhauster - ADJV 8000, 8101, 8103
48	8130811	1	PUMP .. Oil - Lubricating - See P.L. 1158
48A		1	KIT .. Gear pump conversion - ADJV 8101, 8103
*49	8083565	1	GASKET .. Oil pump to crankcase
*50	8083566	2	SCREW .. Oil pump mounting - 1/2 - 13 x 1-1/2 drilled hex. head
*51	8116738	AR	WIRE .. Lock - 3/64 dia. x 500 ft. long - Approx. 7 in. required
52	8135506	1	STRAP ASY. .. Eccentric - See P.L. 1158
		A	LOW PRESSURE APPLICATION
		B	HIGH PRESSURE APPLICATION
		C	VACUUM EXHAUST APPLICATION
53	8204527	1	HEAD .. Cylinder
53	8038984	1	HEAD .. Cylinder
53	8068809	AR	HEAD .. Cylinder - 2 required ADJV 8000 before November, 1968 1 required ADJV 8000 right side only after November, 1968
53	9091778	AR	HEAD .. Cylinder - 1 required ADJV 8000 left side only after November, 1968 2 required ADJV 8101 - 1 required ADJV 8103 right side only - Form. 8419665
53	9091777	1	HEAD .. Cylinder - ADJV 8103 left side only
54	271560	8 - 32	BOLT .. Valve cover to head - 5/8 - 11 x 1-3/4 hex. head
54	179885	8 -	BOLT .. Valve cover to head - 1/2 - 13 x 1-1/2 hex. head
55	9091775	1 -	GASKET .. Head to cylinder - Replaces 8204461
55	8034608	1 -	GASKET .. Head to cylinder
55	9337189	2 -	GASKET .. Head to cylinder - Replaces 8204459
56	9421661	8 -	BOLT .. Head mounting - 5/8 - 11 x 1-1/2 hex. socket head - ADJV 8000
56	8442579	8 -	BOLT .. Head mounting - 5/8 - 11 x 1-1/2 hex. head - Special ADJV 8101, 8103
*56	179883	6 -	BOLT .. Head mounting - 1/2 - 13 x 1-1/4 hex. head
56	271558	24 -	BOLT .. Head mounting - 5/8 - 11 x 1-1/2 hex. head
*56	272553	4 -	BOLT .. Head mounting - 5/8 - 11 x 5-3/4 hex. head
57	8033548	1 - 4	VALVE .. Discharge - Col. C. - ADJV 8000, 8101
57	8497567	1 - 4	VALVE .. Discharge - ADJV 8103
57	8038999	1 -	VALVE .. Discharge
58	8107324	1 - 4	GASKET .. Valve cover to head
58	8107326	1 -	GASKET .. Valve cover to head
59	----	1 1 4	VALVE .. Suction unloading - See P.L. 1161
60	8083598	1 -	GASKET .. Valve cover to head
60	8107326	1 -	GASKET .. Valve cover to head
60	8107324	4 -	GASKET .. Valve cover to head
61	8204526	1 -	CYLINDER .. 7-7/8 in. dia. bore
61	8315609	1 -	CYLINDER .. 4 in. dia. bore
61	8204514	2 -	CYLINDER .. 7-7/8 in. dia. bore
62	8204460	1 1 -	GASKET .. Cylinder to crankcase
62	8068806	2 -	GASKET .. Cylinder to crankcase
63	271611	4 4 16	BOLT .. Cylinder mounting - 3/4 - 10 x 2 hex. head
64	8282734	4 4 16	WASHER .. Lock - 3/4
65	----	1 1 4	PISTON ASY.
66	----	1 1 -	RING SET .. Compression and oil
67	----	8 -	RING .. Compression
68	8063258	1 - 4	PIN .. Piston - 15/16 I.D. x 1.383 O.D. x 6 in. long
68	8038979	1 -	PIN .. Piston - 15/16 I.D. x 1.383 O.D. x 3-1/4 in. long
69	8033545	1 - 4	ROD ASY. ... Connecting
69	9093357	1 -	ROD ASY. ... Connecting - Replaces 8068808
70	8496981	2 2 8	BEARING .. Connecting rod - Upper and lower - Replaces 8083586 8499962 .. .030 oversize - Replaces 8090120
71	8063255	1 1 4	BOLT .. Piston pin clamp - 1/2 - 20 x 2 drilled hex. head - Col. B Form. 8038983
72	8116738	A.R.	WIRE .. Lock - 3/64 dia. x 500 ft. long
73	8360510	2 2 8	BOLT .. Cap to rod - 5/8 - 11 x 4-3/32 in. long - Special
74	102639	2 2 8	NUT .. Cap to rod bolt - 5/8 - 11 hex.
75	107812	2 2 8	NUT .. Lock - 5/8 - 11 hex.

See P.L. 1161

See Chart on Page 3

* A kit is available to convert ADJV 8101 and 8103 compressors from lubricating oil pump, to gear driven oil pump.
Order as NPN-WBG 69121. Breakdown scheduled for future supplement.

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
	----	1	COMPRESSOR .. Air and exhauster - ADJV 8000, 8101, 8103
76	8315685	1	INTERCOOLER ASY. .. Air compressor
77	8088675	2	TANK .. Intercooler
78	8080446	2	MEMBER .. Core frame
79	8080993	2	GASKET .. Tank to member
80	9501020	1	CORE .. Intercooler - Replaces 8075932
81	8063183	2	COCK .. Drain - Intercooler
82	8310075	1	VALVE .. Intercooler safety
* 83	103878	1	PLUG .. Pipe - 1/4 M.P.T. - Square head
84	8315710	1	ELBOW .. Intercooler inlet
85	8315709	1	ELBOW .. Intercooler outlet
86	8088835	2	GASKET .. Elbow flange to intercooler
87	8082672	1	GASKET .. Intercooler inlet elbow to H.P. head - Formerly 8039111
88	8039110	1	GASKET .. Intercooler outlet elbow to L.P. head
89	179882	12	BOLT .. Elbow mounting - 1/2 - 13 x 1-1/8 hex. head
90	179885	4	BOLT .. Elbow flange - 1/2 - 13 x 1-1/2 hex. head
91	103323	4	WASHER .. Lock - 1/2
* 92	102637	4	NUT .. 1/2 - 13
93	8315732	1	TUBE .. H.P. suction valve to L.P. suction valve
94	8204468	2	ELBOW .. 1/4 M.P.T. x 1/4 tube - 90°

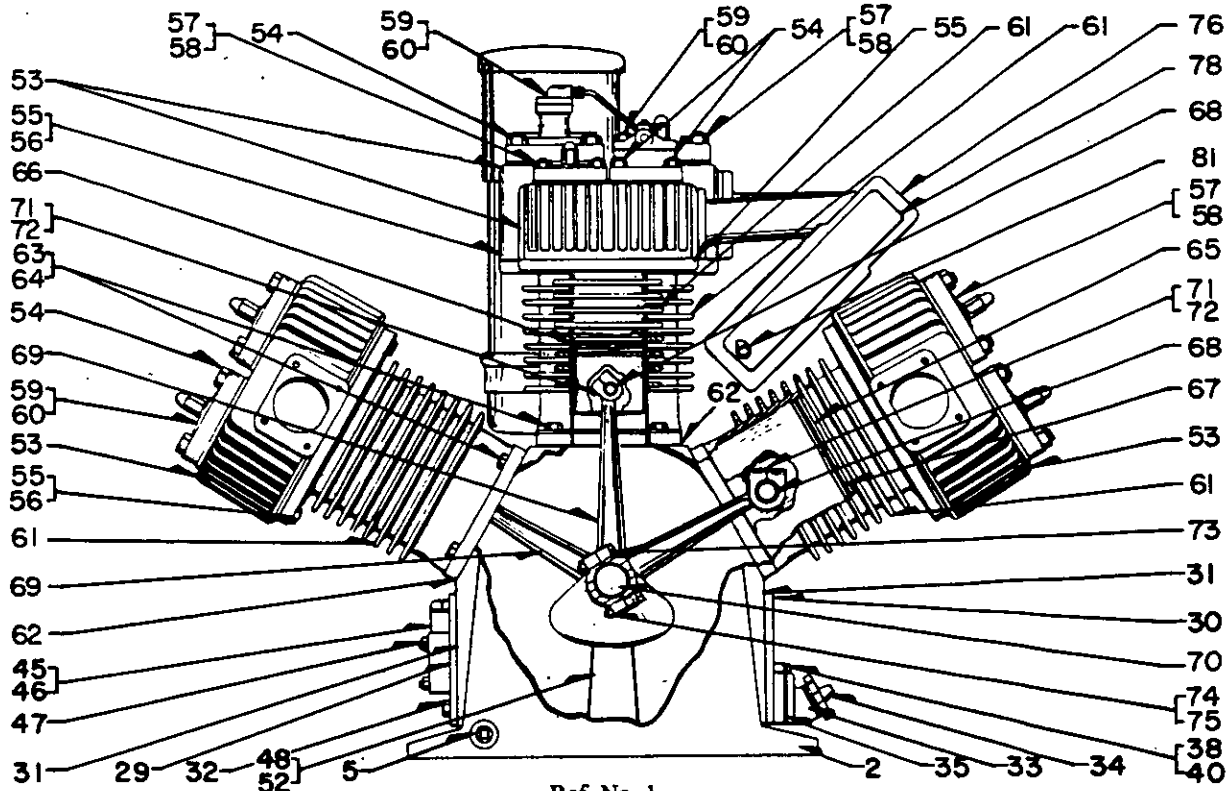
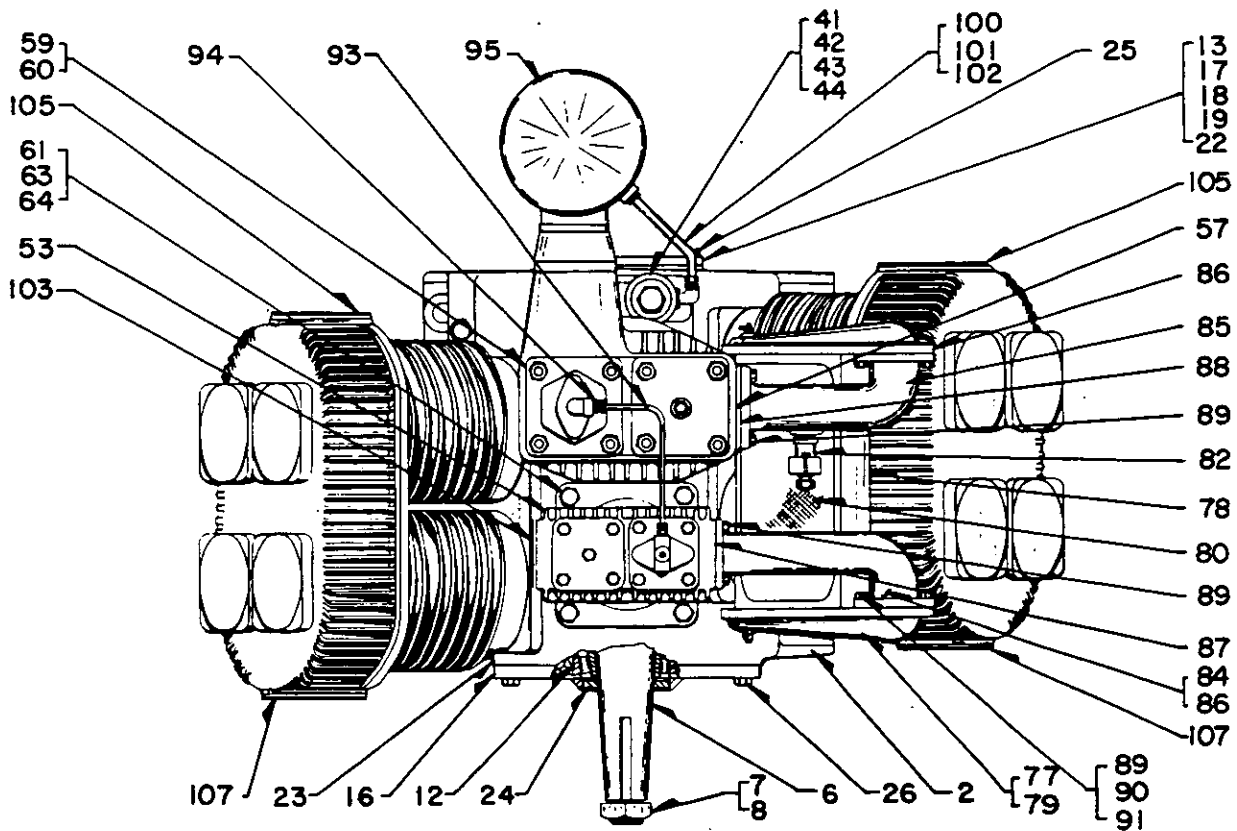
Air Compressor Models ADJV 8101 and 8103 do not include Ref. Nos. 95 thru 102 - See P.L. 1165

95	8063315	1	FILTER .. Air intake - See P.L. 1164
* 96	8158692	1	FLANGE .. Air filter mounting
* 97	8082672	1	GASKET .. Flange to head - Replaces 8068812
* 98	179883	2	BOLT .. Flange mounting - 1/2 - 13 x 1-1/4 hex. head
* 99	187152	2	BOLT .. Flange mounting - 1/2 - 13 x 5 hex. head
100		1	TUBE .. Air filter to breather
101	8206196	1	CONNECTOR .. 3/8 M.P.T. x 1/2 tube - Brass
102		1	ELBOW .. Connector to breather
+ 103	8039110	1	GASKET .. Flange to head - High pressure discharge
+*104	8222696	1	FLANGE .. High pressure discharge
+ 105	8354344	2	GASKET .. Flange to vacuum head - Inlet - Replaces 8126649
+*106	8132774	2	FLANGE .. Vacuum head inlet
+ 107	8283858	2	GASKET .. Flange to vacuum head - Outlet
+*108	8283860	2	FLANGE .. Vacuum head outlet
+*109	8104930	1	VALVE .. Cock - Crankcase oil drain - 1/2
+*110	8337561	1	GAUGE .. Pressure - 0 - 100 lbs.

REFERENCE CHART PISTON ASSEMBLIES AND RING SETS						
Ref. No.	Part Number			No. Req.	Description	Piston Ring Location
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.		
LOW PRESSURE						
1	8338021	8345331	8345332	8345333	1	PISTON ASSEMBLY
* 2	8338022	8338022	8338022	8338022	2	BUSHING .. Sleeve
* 3	8252281	8252282	8252283	8252284	1	RING SET
4	8215093	8215094	8215095	8215096	3	RING .. Compression
5	8215101	8215102	8215103	8215104	1	RING .. Oil
HIGH PRESSURE						
6	8345952	8345953	8345954	8345955	1	PISTON ASSEMBLY
* 7	8355339	8355339	8355339	8355339	2	BUSHING .. Sleeve
* 8	8252289	8252290	8252297	8252291	1	RING SET
9	8219291	8219521	8219522	8219520	3	RING .. Compression
10	8215113	8215114	8215115	8215116	1	RING .. Oil
VACUUM EXHAUST						
11	8338021	8345331	8345332	8345333	4	PISTON ASSEMBLY
*12	8338022	8338022	8338022	8338022	8	BUSHING .. Sleeve
13	8238311	8252228	8252229	8252230	8	RING .. Compression

P.L. No. D1106-E

AIR AND EXHAUSTER COMPRESSOR

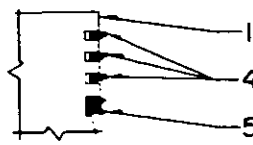
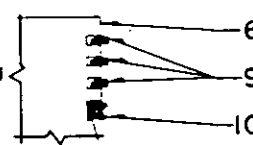
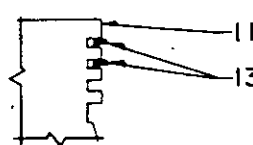
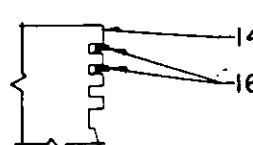


Ref. No. 1
PLATE C1106-E-1

P.L. No. C1106-E1

AIR AND EXHAUSTER COMPRESSOR

Pistons, Rings and Ring Sets

REFERENCE CHART PISTON ASSEMBLIES AND RING SETS							
Ref. No.	Part Number				No. Req.	Description	Piston Ring Location
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.			
LOW PRESSURE							
1	8338021	8345331	8345332	8345333	1	PISTON ASSEMBLY	
* 2	8338022	8338022	8338022	8338022	2	BUSHING .. Sleeve	
* 3	8252281	8252282	8252283	8252284	1	RING SET	
4	8215093	8215094	8215095	8215096	3	RING .. Compression	
5	8215101	8215102	8215103	8215104	1	RING .. Oil	
HIGH PRESSURE							
6	8345952	8345953	8345954	8345955	1	PISTON ASSEMBLY	
* 7	8355339	8355339	8355339	8355339	2	BUSHING .. Sleeve	
* 8	8252289	8252290	8252297	8252291	1	RING SET	
9	8219291	8219521	8219522	8219520	3	RING .. Compression	
10	8215113	8215114	8215115	8215116	1	RING .. Oil	
VACUUM EXHAUST - ADJV 8003.8100.8101							
11	8338021	8345331	8345332	8345333	4	PISTON ASSEMBLY	
*12	8338022	8338022	8338022	8338022	8	BUSHING .. Sleeve	
13	8238311	8252228	8252229	8252230	8	RING .. Compression	
VACUUM EXHAUST - ADJV 8400.8401							
14	8430941				4	PISTON ASSEMBLY	
*15	8338022				8	BUSHING .. Sleeve	
16	8297166				8	RING .. Compression	

Parts List No. E1112-E

AIR AND EXHAUSTER COMPRESSOR

Model ABOV
G18U,C22W,GL22C and JT22CW Locomotives
PLATE C1112-E-1

Ref. No.	Part Number	No. Req.		Description	ABOV Model	Replaced By	Locomotive Application
		A	B				
1	8281988	1	-	COMPRESSOR .. Air and exhauster	8000	9096737	G18U
1	8416354	1	-	COMPRESSOR .. Air and exhauster	8004	9096737	
1	8453828	1	-	COMPRESSOR .. Air and exhauster	8101	9096737	
1	9096737	1	-	COMPRESSOR .. Air and exhauster	8103	9096737	
* 1	8290635	-	1	COMPRESSOR .. Air and exhauster	8001	9312437	GL22C,JT22CW
* 1	8451533	-	1	COMPRESSOR .. Air and exhauster	8100	9312437	
* 1	9312437	-	1	COMPRESSOR .. Air and exhauster	8102		
							G22W

The following components are applicable to each of the above Compressors, unless otherwise specified.

2	8302453	1	1	CRANKCASE ASY. .. 10-1/2 in. shaft to floor			
* 3	9502921	1	1	TUBE .. Crankcase oil return - 3/8 O.D. x 10 in. long - Replaces 8282996			
* 4	453675	1	1	PIN .. Roll - .392 dia. x .750 in. long			
5	103869	3	3	PLUG .. Pipe - Crankcase oil drain - 3/4 M.P.T.			
6	8293721	1	-	CRANKSHAFT ASY. .. Single end - Not furnished - Use: 1 - 9336931 Crankshaft and 8 - 8496981 Bearings			
6	9336931	1	-	CRANKSHAFT ASY. .. Single end			
* 6	8310303	-	1	CRANKSHAFT ASY. .. Double end - Not furnished - Use: 1 - 9336932 Crankshaft and 8 - 8496981 Bearings			
* 6	9336932	-	1	CRANKSHAFT ASY. .. Double end			
7	8039762	1	2	NUT .. Crankshaft end - 2 - 8 hex.			
8	102592	1	2	SCREW .. Set - 3/8 - 16 x 3/8 hex. soc. hd. cup point			
9	9339050	1	1	PLUG .. Orifice - ABOV 8100 thru 8103 - Replaces 8475630			
10	8083552	2	2	BEARING .. Main roller			
11		1	-	PLATE .. Bearing end - Filter side - Except ABOV 8000			
* 11	8294126	1	-	PLATE .. Bearing end - Filter side - ABOV 8000 only			
* 11	8083556	-	1	PLATE .. Bearing end - Filter side - ABOV 8001 - Replaced by 1 - 8341227 Plate and 1 - 8341228 Seal			
* 11	8341227	-	1	PLATE .. Bearing end - Filter side - ABOV 8100, 8102			
12	8083553	1	1	PLATE .. Bearing end - Drive side			
13	8083557	6	6	SHIM .. Filter side end plate - .005 in. thick			
14	8083558	6	6	SHIM .. Filter side end plate - .007 in. thick			
15	8083559	4	4	SHIM .. Filter side end plate - .010 in. thick			
16	8293723	1	-	COVER .. Bearing end plate			
17	8135502	1	1	GASKET .. Filter side bearing plate			
18	8083555	1	1	GASKET .. Drive side bearing plate			
* 19	8430939	1	-	GASKET .. Bearing end plate cover			
* 20	8341228	-	1	SEAL .. Oil - Filter side bearing plate - ABOV 8100, 8102			
* 20	8083560	-	1	SEAL .. Oil - Filter side bearing plate - ABOV 8001			
21	8083554	1	1	SEAL .. Oil - Drive side bearing plate			
* 22	8083561	-	1	RETAINER .. Oil seal - Applicable to Ref. No. 20 - ABOV 8001			
23	271556	6	6	BOLT .. Filter side plate - 5/8 - 11 x 1-1/4 hex. head - Replaces 100183			
24	179887	1	1	BOLT .. Filter side plate - 1/2 - 13 x 1-3/4 hex. head - ABOV 8000, 8001			
25	271558	8	8	BOLT .. Drive side plate - 5/8 - 11 x 1-1/2 hex. head			
* 26		6	-	BOLT .. Bearing end plate cover			
* 27	103878	1	1	PLUG .. Pipe - Filter side plate - 1/4 M.P.T. square head - ABOV 8000, 8001			
* 28	444687	2	2	PLUG .. Pipe - Drive side plate - 1/8 - 27 hex. socket			
29	8068199	1	1	PLATE .. Inspection			
30	8267923	1	1	PLATE .. Oil filler and gauge mounting			
31	8214170	2	2	GASKET .. Plate to crankcase			
32	179838	17	17	BOLT .. Plate mounting - 3/8 - 16 x 7/8 hex. head			
33	8267927	1	1	BODY .. Oil filler			
34	8267928	1	1	CAP .. Oil filler body			
35	8268732	1	1	GASKET .. Body to plate			
36	8268731	1	1	GASKET .. Cap to body			

P.L. No. E1112-E

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description	
	----	A B	COMPRESSOR .. Air and exhauster	
*37	179847	1 1	BOLT .. Oil filler body - 3/8 - 16 x 2 hex. head	
38	8267929	1 1	GAUGE .. Oil level float	
39	132268	4 4	BOLT .. Gauge mounting - 1/4 - 20 x 7/8 fil. head	
40		1 1	BREATHER ASY. .. See P.L. 1164	
41	8083579	1 1	GASKET .. Crankcase breather	
42	179882	2 2	BOLT .. Breather mounting - 1/2 - 13 x 1-1/8 hex. head	
43	8335818	1 1	TUBE .. Breather vent - ABOV 8000, 8001	} Not Applicable To ABOV 8100, 8101, 8102, 8103
43	9318172	1 -	TUBE .. Breather vent - ABOV 8004	
44	8206196	2 2	CONNECTOR .. Breather vent tube - ABOV 8001, 8004	
44		2 -	CONNECTOR .. Breather vent tube - ABOV 8000	
*45	8317897	1 1	WIRE .. Breather cap lock - Incl. lead - Approx. 16 in. long	
46	8175374	1 1	VALVE ASY. .. Oil relief - ABOV 8000, 8001, 8004	
46	8493807	1 1	VALVE ASY. .. Oil relief - ABOV 8100 thru 8103	
47	8083572	1 1	GASKET .. Valve to crankcase - ABOV 8000, 8001, 8004	
47	8493809	1 1	GASKET .. Valve to crankcase - ABOV 8100 thru 8103	
48	179847	4 4	BOLT .. Valve mtg. - 3/8 - 16 x 2 hex. head - ABOV 8000, 8001, 8004	
48	179848	4 4	BOLT .. Valve mtg. - 3/8 - 16 x 2-1/4 hex. head - ABOV 8100 thru 8103	
49	8130811	1 1	PUMP .. Oil - Lubricating - See P.L. 1158	
*50	8083565	1 1	GASKET .. Flange to crankcase	
*51	8083566	2 2	BOLT .. Oil pump mounting - 1/2 - 13 x 1-1/2 hex. head - Drilled	
*52	8116738	A.R.	WIRE .. Lock - 3/64 dia. x 500 ft. long - 7 in. required	
53	8135506	1 1	STRAP ASY. .. Eccentric - See P.L. 1158	
54	8159753	1 1	HEAD .. Cylinder - Low and high pressure	
55	271560	8 8	BOLT .. L.P. valve cover to head - 5/8 - 11 x 1-3/4 hex. head	
56	179885	8 8	BOLT .. H.P. valve cover to head - 1/2 - 13 x 1-1/2 hex. head	
57	8068809	1 1	HEAD .. Cylinder - Vacuum exhaust - ABOV except 8102, 8103	
57	9091777	1 1	HEAD .. Cylinder - Vacuum exhaust - ABOV 8102, 8103	
58	271560	16 16	BOLT .. Valve cover to head - 5/8 - 11 x 1-3/4 hex. head	
59	8313244	1 1	GASKET .. L.P. and H.P. head to cylinder	
60	8430940	1 1	GASKET .. Vacuum head to cylinder - Formerly 8204459 - ABOV 8000, 8001, 8004	
60	9092992	1 1	GASKET .. Vacuum head to cylinder - ABOV 8100 thru 8103	
61	271558	11 11	BOLT .. L.P. and H.P. head mounting - 5/8 - 11 x 1-1/2 hex. head	
62	8159755	1 1	STUD .. L.P. and H.P. head mounting - 5/8 - 11 x 1-1/2 - ABOV 8000, 8001, 8004	
62		1 1	STUD .. L.P. and H.P. head mounting - ABOV 8100 thru 8103	
*63	102639	1 1	NUT .. 5/8 - 11 hex.	
64	9421661	11 11	BOLT .. Vacuum head mtg. - 5/8 - 11 x 1-1/2 hex. socket head	
65	9421662	1 1	BOLT .. Vacuum head mtg. - 5/8 - 11 x 1-3/4 hex. socket head - Repl. 138358	
66	272553	2 2	BOLT .. Vacuum head mtg. - 5/8 - 11 x 6-3/4 hex. head - Formerly 180079	
67	8033548	A.R.	VALVE .. L.P. and vacuum discharge - 3 required all ABOV except 2 required ABOV 8102, 8103	} See P.L. 1161
67	8497567	1 1	VALVE .. Vacuum discharge - ABOV 8102, 8103	
68	8038999	1 1	VALVE .. High pressure discharge	
69	8107324	3 3	GASKET .. Cover to L.P. and vacuum head	
70	8107326	1 1	GASKET .. Cover to H.P. head	
71	----	1 1	VALVE .. L.P. suction unloading	} See P.L. 1161
72	----	1 1	VALVE .. H.P. suction unloading	
73	----	2 2	VALVE .. Vacuum suction unloading	
74	8083598	1 1	GASKET .. Cover to L.P. head	
75	8107326	1 1	GASKET .. Cover to H.P. head	
76	8107324	2 2	GASKET .. Cover to vacuum head	
77	8160862	1 1	CYLINDER .. Low and high pressure	
78	8294125	1 1	CYLINDER .. Vacuum exhaust	
79	8155944	1 1	GASKET .. L.P. and H.P. cylinder to crankcase	
80	8299143	1 1	GASKET .. Vacuum cylinder to crankcase	

P.L. No. E1112-E

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
	----	A B	COMPRESSOR .. Air and exhauster
81	271609	8 8	BOLT .. L.P. and H.P. cylinder mtg. - 3/4 - 10 x 1-3/4 hex. head
82	271611	6 6	BOLT .. Vacuum cylinder mtg. - 3/4 - 10 x 2 hex. head
83	8282734	14 14	WASHER .. Lock - 3/4
84	8159749	1 1	COVER .. Water jacket - Cylinder
85	8159750	1 1	GASKET .. Cover to cylinder
86	179881	2 2	BOLT .. Cover mounting - 1/2 - 13 x 1 hex. head
87	----	1 1	PISTON .. Low pressure
* 88	----	1 1	PISTON .. High pressure
* 89	8430941	2 2	PISTON .. Vacuum exhaust - Replaces 8294127
* 90	8231076	4 4	BUSHING .. Piston pin - Vacuum - ABOV 8000, 8001
* 90	8338022	4 4	BUSHING .. Piston pin - Vacuum - ABOV 8004, 8100 thru 8103
91	----	1 1	RING SET .. Low pressure
* 92	----	1 1	RING SET .. High pressure
* 93	8297166	4 4	RING .. Compression - Vacuum
94	8063258	1 1	PIN .. Piston - Low pressure
* 95	8038979	1 1	PIN .. Piston - High pressure
* 96	8297165	2 2	PIN .. Piston - Vacuum exhaust
97	8033545	3 3	ROD ASY. .. Connecting - Low pressure and vacuum
* 98	9093357	1 1	ROD ASY. .. Connecting - High pressure - Replaces 8068808
99	8496981	8 8	BEARING .. Connecting rod - Upper and lower - Replaces 8083586 8499962 .. .030 oversize - Replaces 8090120
100	8063255	3 3	BOLT .. Pin clamp - L.P. and vac. - 1/2 - 20 x 2 hex. hd. - Drilled
* 101	8038983	1 1	BOLT .. Pin clamp - H.P. - 1/2 - 20 x 1-3/4 hex. hd. - Drilled
102	8116738	A.R.	WIRE .. Lock - 3/64 dia. x 500 feet
103	8360510	8 8	BOLT .. Cap to rod - 5/8 - 11 x 4-3/32 in. long - Special
104	102639	8 8	NUT .. Cap to rod bolt - 5/8 - 11 hex.
105	107812	8 8	NUT .. Lock - 5/8 - 11 hex.
106	8165770	1 1	INTERCOOLER .. Air compressor
107	8081566	1 1	CAP .. Intercooler cover
108	8063183	1 1	COCK .. Drain - 1/4 M.P.T.
109	8337561	1 1	GAUGE .. Pressure - 0-100 lbs
110	8310075	1 1	VALVE .. Intercooler safety
111	8120270	1 1	GASKET .. Cap to intercooler
* 112	8039111	1 1	GASKET .. Intercooler flange to low pressure
113	8039110	1 1	GASKET .. Intercooler flange to high pressure
114	179881	8 8	BOLT .. Intercooler mounting - 1/2 - 13 x 1 hex. head
115	179838	6 6	BOLT .. Cap mounting - 3/8 - 16 x 7/8 hex. head
116		1 1	TUBE .. L.P. suction valve to H.P. suction valve
117	8206199	2 2	CONNECTOR .. Tube
118	8159751	2 2	FLANGE .. Cylinder water outlet
119	8237530	2 2	FLANGE .. Head water inlet
120	8083349	4 4	GASKET .. Flange to head and cylinder
121	179841	4 4	BOLT .. Cylinder flange mtg. - 3/8 - 16 x 1-1/4 hex. head
122	179838	4 4	BOLT .. Head flange mounting - 3/8 - 16 x 7/8 hex. head

P.L. No. E1112-E

AIR AND EXHAUSTER COMPRESSOR

Ref. No.	Part Number	No. Req.	Description
----	----	----	----
	A/B		COMPRESSOR .. Air and exhauster

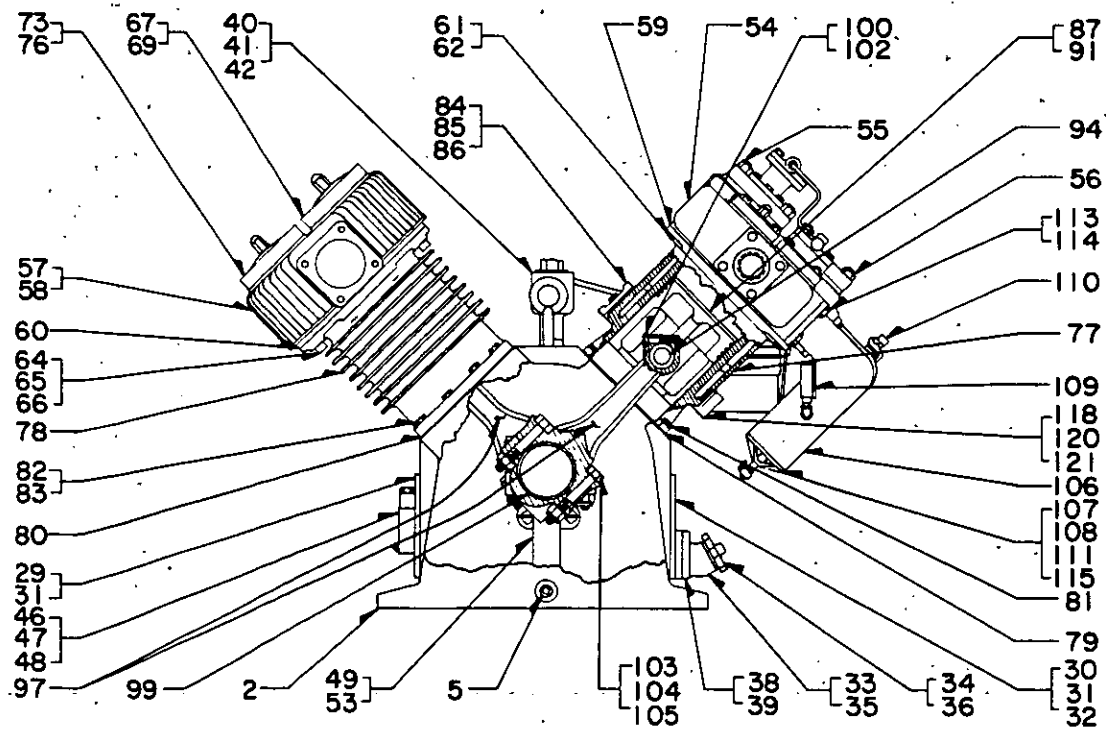
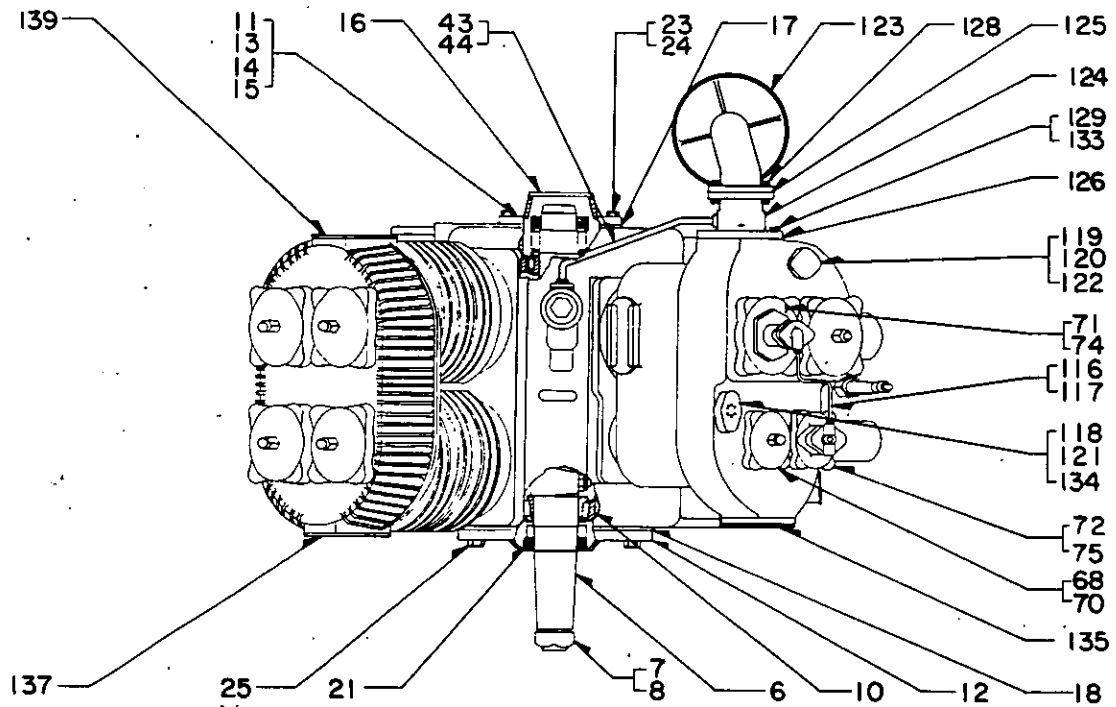
Air Compressor Models ABOV 8100, 8101, 8102 and 8103 do not include Ref. Nos. 123 thru 134.

123	8157034	1	1	FILTER .. Air intake - Vortex type - Except ABOV 8004	} See P.L. 1164
123	8402067	1	-	FILTER .. Air intake - Dry type - ABOV 8004 only	
124	8293724	1	1	MANIFOLD .. Air filter - Except ABOV 8004	
124	9318171	1	-	MANIFOLD .. Air filter - ABOV 8004 only	
125	8067255	1	1	GASKET .. Filter to flange and manifold	
126	8082672	1	1	GASKET .. Flange and manifold to head - Replaces 8068812	
*127	8393722	1	1	BRACKET .. Air filter support - Except ABOV 8004	
*128	179838	4	4	BOLT .. Air filter mounting - 3/8 - 16 x 7/8 hex. head - Except ABOV 8004	
128	179843	4	-	BOLT .. Air filter mounting - 3/8 - 16 x 1-1/2 hex. head - ABOV 8004 only	
129	179881	4	4	BOLT .. Manifold and flange mounting - 1/2 - 13 x 1 hex. head	
*130	180172	1	1	BOLT .. Support bracket mounting - 1/2 - 13 x 7/8 hex. head	} Except ABOV 8004
*131	103323	1	1	WASHER .. Lock - 1/2	
*132	103325	1	1	WASHER .. Lock - 5/8	
133		4	-	WASHER	
134	102635	4	-	NUT .. 3/8 - 16 hex.	} ABOV 8004 only
+ 135	8039110	1	1	GASKET .. Flange to H.P. head	
+*136	8222696	1	1	FLANGE .. H.P. discharge head - Formerly 8237812	
+ 137	8126649	1	1	GASKET .. Vacuum head inlet	
+*138	8132774	1	1	FLANGE .. Vacuum head inlet	
+ 139	8283858	1	1	GASKET .. Vacuum head outlet	
+*140	8283860	1	1	FLANGE .. Vacuum head outlet	

PISTON ASSEMBLIES AND RING SETS						
Ref. No.	Part Number				No. Req.	Piston Ring Location
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.		
LOW PRESSURE						
1	8338021	8345331	8345332	8345333	1	PISTON ASSEMBLY
* 2	8338022	8338022	8338022	8338022	2	BUSHING .. Sleeve
* 3	8271433	8271432	8271431	8271430	1	RING SET
4	8267599	8270356	8270357	8270358	2	RING .. Compression
5	8215101	8215102	8215103	8215104	1	RING .. Oil
HIGH PRESSURE						
6	8345952	8345953	8345954	8345955	1	PISTON ASSEMBLY
* 7	8355339	8355339	8355339	8355339	2	BUSHING .. Sleeve
* 8	8252289	8252290	8252297	8252291	1	RING SET
9	8219291	8219521	8219522	8219520	3	RING .. Compression
10	8215113	8215114	8215115	8215116	1	RING .. Oil

P.L. No. E1112-E

AIR AND EXHAUSTER COMPRESSOR



Ref. No. 1
PLATE C1112-E-1

AIR COMPRESSOR

Parts List No. D1144-E

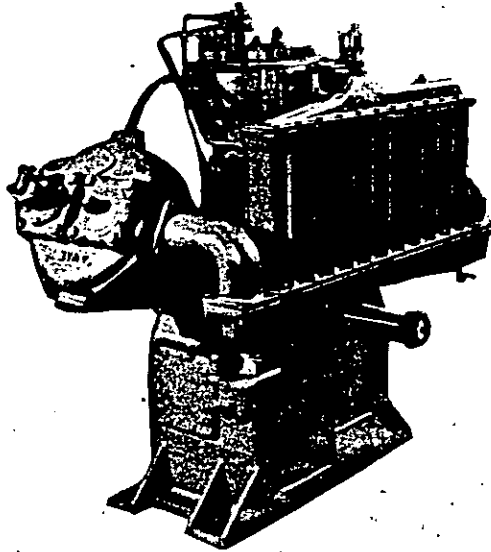
Model WBO and WBG
Reference ChartG18U,G18W,GA18,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE B1144-E-1

Original Air Compressor							Replacement Compressor			Locomotive Application
Ref. No.	Part Number	Pg. Model 2-10 No. Col.	See Parts List 1164			Part Number	Pg. Model 2-10 No. Col.			
			Air Filter	Filter Manifold						
				L.H.	R.H.					

/ Air Compressor replacement part number does not include filters and manifolds.

Number in () preceding part number indicates quantity.

WBO AIR COMPRESSOR .. Three Cylinder - Water Cooled

# 1	8391424	8028	A	(1)8402067	(1)8152431	(1)8152432	8423344	8102	B	G18U,G18W,GA18
2	8407027	8032	B	(1)8402067	(1)8152431	(1)8152432	8423344	8102	B	
# 3	8420087	8042	A	(1)8402067	(1)8152431	(1)8512432	8423344	8102	B	GA18,G22U,G22W,G22CU, G26CW
4	8420088	8043	B	(1)8402067	(1)8152431	(1)8152432	8423344	8102	B	
5	8423343	8101	C				9506113	8116	C	GT26CW
6	8423344	8102	B				8423344	8102	B	
# 7	8434342	8103	A	For Filters, See P.L. 1164			8423344	8102	B	G18U,G18W,GA18, G22U,G22W,G22CU, G22CW,GT22CU,GT22CW, JT22CW-2,G26CU,G26CW, GT26CU-2,GT26CW-2
8	8491954	8108	B	For Filter Application, See P.L. 1165			8423344	8102	B	
9	9506113	8116	C				9506113	8116	C	GL22C
10	9510965	8120	A				9510965	8120	A	
11	9518776	8124	A				9518776	8124	A	

WBG AIR COMPRESSOR .. Six Cylinder - Water Cooled

# 12	8357549	8013	D	(2)8157034	(1)8188784	(1)8188783	8423347	8102	E	G22CU
13	8391964	8016	E	(2)8402067	(1)8428187	(1)8083609	8423347	8102	E	
14	8420092	8021	E	(2)8402067	(1)8428187	(1)8083609	8423347	8102	E	GR12U
# 15	8427113	8024	D	(2)8402067	(1)8428187	(1)8083609	8423347	8102	E	
16	8423346	8101	F	For Filters, See P.L. 1164			8423346	8101	F	GT26CW
17	8423347	8102	E				8423347	8102	E	
18	8434341	8104	D	For Filter Application, See P.L. 1165			8434341	8104	D	G26CW

Ref. Nos. 1,3,7,12 and 15 replacement Compressors also require 1 - 8194897 Crankshaft Guard Assembly,
3 - 271560 Guard Mounting Bolt and 3 - 103325 Washer.

P.L. No. D1144-E

AIR COMPRESSOR

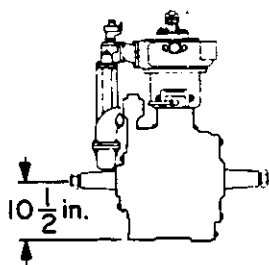
Air Compressor Assemblies
PLATES B1144-E-2, C1144-E-3, B1144-E-4 and 5

FIG. 1

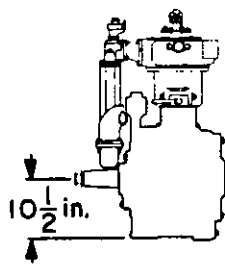


FIG. 2

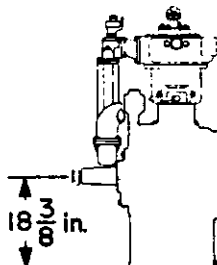


FIG. 3

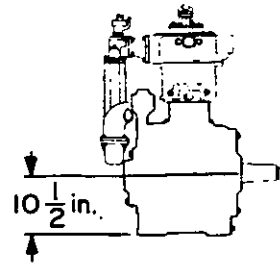


FIG. 4

PLATE B1144-E-2
Compressor Models

Column	Model Numbers
A	WBO 8028,8042,8103,8120,8124
B	WBO 8032,8043,8102,8108
C	WBO 8101,8116
D	WBG 8013,8024,8104
E	WBG 8016,8021,8102
F	WBG 8101

† Letter A,B, etc. identifies Compressor in the number required column.

Ref. No.	Part Number	Number Required	Description	Fig. No.	Crankshaft	
					Drv. End	Height
		A - - - - -	COMPRESSOR .. Air	2	Single	10-1/2 in.
		- B - - - - -	COMPRESSOR .. Air	1	Double	10-1/2 in.
		- - C - - - - -	COMPRESSOR .. Air	3	Single	18-3/8 in.
		- - - D - - - - -	COMPRESSOR .. Air	4	Single	10-1/2 in.
		- - - - E - - - - -	COMPRESSOR .. Air	1	Double	10-1/2 in.
		- - - - - F	COMPRESSOR .. Air	3	Single	18-3/8 in.
1	8061002	1 1 - - - - -	CRANKCASE ASY. .. Low type - Column A except WBO8124			
1		1 - - - - -	CRANKCASE ASY. .. Low type - WBO 8124 only			
1	8310234	- - 1 - - - - -	CRANKCASE ASY. .. High type			
1	8460409	- - - 1 1 - - -	CRANKCASE ASY. .. Low type - Repl. 8068191			
1	8326206	- - - - - 1	CRANKCASE ASY. .. High type			
* 2	9502921	1 1 - 1 1 -	TUBE .. C/case oil return - 3/8 O.D. x 8 - 15/32 in. long - Replaces 8249903,8282996			
* 2	8317894	- - 1 - - - -	TUBE .. C/case oil return - 3/8 O.D. x 16-5/8 in. long			
* 2	8342747	- - - - - 1	TUBE .. C/case oil return - 3/8 O.D. x 16-5/8 in. long			
3	453675	1 1 1 1 1 1	PIN .. Roll - .392 dia. x .750 in. long - Column A except WBO 8124			
3		1 - - - - -	PIN .. Dowel - WBO 8124 only			
4	103870	3 3 3 3 3 3	PLUG .. Pipe - Drain - 1 M.P.T. sq. hd. - Formerly 103869			
5	8341226	1 - 1 - - - -	CRANKSHAFT ASY. .. Intercooler side single end - Not furnished - USE: 1 - 9336934 Crankshaft and 6 - 8496981 Bearings			
5	9336934	1 - 1 - - - -	CRANKSHAFT ASY. .. Intercooler side single end - Col. A except WBO 812			
5	9311029	1 - - - - -	CRANKSHAFT ASY. .. Intercooler side single end - WBO 8124 only			
5	8130812	- 1 - - - - -	CRANKSHAFT ASY. .. Double end - Not furnished - USE: 1 - 9336930 crankshaft and 6 - 8496981 Bearings			
5	9336930	- 1 - - - - -	CRANKSHAFT ASY. .. Double end			
5	8204509	- - - 1 - - -	CRANKSHAFT ASY. .. Opp. intercooler side single end except WBG 8104 - Not furnished - USE: 1 - 9336927 Crankshaft and 12 - 8496981 Bearings			
5	9336927	- - - 1 - - -	CRANKSHAFT ASY. .. Opp. intercooler side single end - Except WBG8104			
5	8265351	- - - 1 - 1	CRANKSHAFT ASY. .. Intercooler side single end - Column D WBG 8104 only - Not furnished - USE: 1 - 9336929 Crankshaft and 12 - 8496981 Bearings			

P.L. No. D1144-E

AIR COMPRESSOR

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
	----							COMPRESSOR .. Air
5	9336929	-	-	-	1	-	1	CRANKSHAFT ASY. ... Intercooler side single end Column D WBG 8104 only
5	8148831	-	-	-	-	1	-	CRANKSHAFT ASY. ... Double end - Not furnished - USE: 1 - 9336925 Crankshaft and 12 - 3496981 Bearings
5	9336925	-	-	-	-	1	-	CRANKSHAFT ASY. ... Double end
6	8039762	1	2	1	1	2	1	NUT .. Crankshaft end - 2 - 8 hex.
7	102592	1	2	1	1	2	1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket head cup point
* 8	8464041	4	4	4	4	4	4	COUNTERWEIGHT .. Crankshaft
* 9	8483621	4	4	4	4	4	4	BOLT .. Counterweight
*10	9339050	1	1	1	1	1	1	PLUG .. Orifice - Formerly 8475630
*11	428988	As Required						PLUG .. Pipe - 1/4 M.P.T. - 1 required all WBO except 2 required WBO 8101,8103,8116,8120,8124 - 4 required all WBG except 5 required WBG 8101,8104
12	9339051	1	-	-	-	-	-	GEAR .. Driver - Oil pump - WBO 8124 only
13	8271511	1	1	1	-	-	-	PLATE .. Inspection
13	8068199	-	-	-	1	1	1	PLATE .. Inspection
14	8267927	1	1	1	-	-	-	PLATE .. Oil filler and gauge mounting
14	8267923	-	-	-	1	1	1	PLATE .. Oil filler and gauge mounting
15	8214165	1	1	1	-	-	-	GASKET .. Inspection plate
15	8214170	-	-	-	2	2	2	GASKET .. Plate to crankcase
16	8083575	1	1	1	-	-	-	GASKET .. Filler and gauge plate to crankcase
17	179838	ARI 16	16	17	17	17	17	BOLT .. Plate mtg. - 3/8 - 16 x 7/8 hex. head - Column A 16 required all WBO except 17 required WBO 8120
18	8267927	1	1	1	1	1	1	BODY .. Oil filler
19	8267928	1	1	1	1	1	1	CAP .. Oil filler body
*20	8268732	1	1	1	1	1	1	GASKET .. Body to plate
*21	8268731	1	1	1	1	1	1	GASKET .. Cap to body
*22	8102043	1	1	1	-	-	-	BOLT .. Body mounting - 3/8 - 16 x 1 hex. head - Col. A except WBO 8124
*23	179847	2	2	2	1	1	1	BOLT .. Body mounting - 3/8 - 16 x 2 hex. head
*24	8468529	-	1	-	-	-	-	DIP STICK .. Oil level - WBO 8108 only
24	8267929	1	1	-	1	1	-	GAUGE .. Oil level float - Column B except WBO 8108
*24	8315266	-	-	1	-	-	1	GAUGE .. Oil level float
*25	8276868	1	1	1	1	1	1	GASKET .. Gauge - Oil level float
*26	132268	4	4	4	4	4	4	BOLT .. Float gauge mounting - 1/4 - 20 x 7/8 fil. head
*26	179791	-	4	-	-	-	-	BOLT .. Dip stick mounting - 1/4 - 20 x 1/2 hex. head
27	8083552	2	2	2	-	-	-	BEARING .. Main roller
*27	8068192	-	-	-	2	2	2	BEARING .. Main roller
28	8341227	1	1	1	-	-	-	PLATE .. Bearing end - Intercooler side - Col. A except WBO 8124
28		1	-	-	-	-	-	PLATE .. Bearing end - Intercooler side - WBO 8124 only
28	8364350	-	-	-	1	-	-	PLATE .. Bearing end - Intercooler side - Exc. WBG 8104 - Form. 8264350
28	8342748	-	-	-	1	1	1	PLATE .. Bearing end - Intercooler side - Col. D WBG 8104
29	8338019	1	-	1	-	-	-	PLATE .. Bearing end - Opposite intercooler side
29	8083553	-	1	-	-	-	-	PLATE .. Bearing end - Opposite intercooler side
29	8265350	-	-	-	1	-	1	PLATE .. Bearing end - Opposite intercooler side - Col. D - WBG 8104 only - Formerly 8264350
29	8068193	-	-	-	1	1	-	PLATE .. Bearing end - Opposite intercooler side - Col. D - Except WBG 8104
30	8083557	6	6	6	6	6	6	SHIM .. Intercooler side bearing plate - .005 in. thick
31	8083558	6	6	6	4	4	4	SHIM .. Intercooler side bearing plate - .007 in. thick
32	8083559	4	4	4	4	4	4	SHIM .. Intercooler side bearing plate - .010 in. thick
33	8341228	1	1	1	1	1	1	SEAL .. Oil - Rubber - Intercooler side - Col. B except WBO 8032, 8043 - Col. D - WBO 8104 only
34	8083554	-	1	-	1	1	-	SEAL .. Oil - Rubber - Opposite intercooler side - Repl. 8344308 Col. B - WBO 8032,8043 - Col. D except WBG 8104 - Col. E - Except WBG 8102
*35	9311033	1	-	-	-	-	-	RING .. Oil introducing - Bearing end plate
*36	9311032	2	-	-	-	-	-	RING .. Piston - Bearing end plate
*37	9311031	1	-	-	-	-	-	RING .. Retaining - Bearing end plate
+*38	8367712	1	1	1	1	1	1	KIT .. Oil seal - Intercooler side - Includes sleeve
+*39	8367711	-	1	-	-	1	-	KIT .. Oil seal - Drive shaft side - Includes sleeve

+ Reference No's 38 and 39 are applicable to used crankshafts with 3.250 diameter on the seal area. Refer to Pointers, dated February 26, 1966.

P.L. No. D1144-E

AIR COMPRESSOR

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
								COMPRESSOR .. Air
40	8135502	1	1	1	1	1	1	GASKET .. Intercooler side bearing plate
41	8083555	1	1	1	-	-	-	GASKET .. Drive shaft side bearing plate
41	8068195	-	-	-	1	1	1	GASKET .. Drive shaft side bearing plate
42	271556	6	6	6	A.R.	-	6	BOLT .. Intercooler side plt. mtg. - 5/8 - 11 x 1-1/4 hex. head - Replaces 100183 - Columns D and E - 5 required - WBG 8013,8016,8021, 8024 - 6 required WBG 8102,8104
*43	179887	1	-	-	-	-	-	BOLT .. Intercooler side plate - 1/2 - 13 x 1-3/4 hex. head - WBO 8124 only
44	271558	8	8	8	1	1	-	BOLT .. Bearing end plt. mtg. - 5/8 - 11 x 1-1/2 hex. head
45	271609	-	-	-	8	8	8	BOLT .. Drive side plt. mtg. - 5/8 - 11 x 1-3/4 hex. head
*46	103878	1	-	-	1	1	-	PLUG .. Pipe - 1/4 M.P.T. square head - Except WBG 8102,8104 - Col. A WBO 8124 only
47	444687	2	2	2	2	2	2	PLUG .. Pipe - 1/8 - 27 hex. socket
48	8271512	1	1	1	-	-	-	BREATHING ASY. .. Crankcase - Except WBO 8116,8120,8124 - See P.L. 1164
*49	8282998	-	-	-	1	1	1	PLATE .. Crankcase vent
50	8083579	1	1	1	-	-	-	GASKET .. Breather to crankcase
*51	8282997	-	-	-	1	1	1	GASKET .. Vent plate to crankcase
*52	179882	2	2	2	-	-	-	BOLT .. Breather mounting - 1/2 - 13 x 1 - 3/8 hex. head
*53	271554	-	-	-	2	2	2	BOLT .. Vent plate mtg. - 5/8 - 11 x 1 hex. head
*54	8317897	1	1	1	-	-	-	WIRE .. Breather cap lock - Incl. lead - Approx. 16 in. long
55	----	1	1	1	-	-	-	VALVE ASY. .. Oil relief
55	----	-	-	-	1	1	1	VALVE ASY. .. Oil relief
56	----	As Required						GASKET .. Valve
57	----	As Required						BOLT .. Valve mounting
58	8130811	1	1	-	1	1	-	PUMP .. Oil - Lube - Column A except WBO 8124
58	9311027	1	-	-	-	-	-	PUMP .. Oil - Lube - Gear driven - WBO 8124 only
58	8317892	-	-	1	-	-	1	PUMP .. Oil - Lube
*59	----	1	-	-	-	-	-	GASKET .. Pump flange to crankcase - WBO 8124 only
*59	8083565	1	1	-	1	1	-	GASKET .. Pump flange to crankcase - WBO 8023,8032,8042,8043,8120 - WBG 8013,8016,8021,8024
*59	8317893	1	1	1	1	1	1	GASKET .. Pump flange to crankcase - WBO 8101,8102,8103,8108,8116 - WBG 8101,8102,8104
*60	179885	2	-	-	-	-	-	BOLT .. Oil pump mounting - 1/2 - 13 x 1-1/2 hex. head - WBO 8124 only
*60	8083566	2	2	2	2	2	2	BOLT .. Oil pump mtg. - 1/2 - 13 x 1-1/2 drilled hex. head
*61	8116738	As Required						WIRE .. Lock - 3/64 dia. - 500 ft. roll - 7 in. required
62	8135506	1	1	1	1	1	1	STRAP ASY. .. Eccentric - See P.L. 1158 - Col. A except WBO 8124
63	8237532	2	2	2	-	-	-	HEAD .. Cylinder - Low pressure
63	8260342	-	-	-	2	2	2	HEAD .. Cylinder - Low pressure
64	271560	16	16	16	32	32	32	BOLT .. Valve cover mtg. - 5/8 - 11 x 1-3/4 hex. head
*65	9436083	-	-	-	4	4	4	PLUG .. Expansion - 1-1/2 in. dia. - Repl. 103896
66	8442579	16	16	16	24	24	24	BOLT .. L.P. head mtg. - 5/8 - 11 x 1-1/2 flanged hex. head
*67	272553	-	-	-	4	4	4	BOLT .. L.P. head mtg. - 5/8 - 11 x 6-3/4 hex. head
68	8337946	2	2	2	-	-	-	GASKET .. Head to cylinder - Low pressure
68	8313241	-	-	-	2	2	2	GASKET .. Head to cylinder - Low pressure
69	8347435	1	1	1	-	-	-	HEAD .. Cylinder - High pressure
69	8260341	-	-	-	1	1	1	HEAD .. Cylinder - High pressure
70	271560	8	8	8	16	16	16	BOLT .. Valve cover mtg. - 5/8 - 11 x 1-3/4 hex. head
*71	103895	1	1	1	1	1	1	PLUG .. Expansion - 1-1/4 in. diameter
*72	9436083	-	-	-	4	4	4	PLUG .. Expansion - 1-1/2 in. diameter - Repl. 103896
*73	271558	4	4	4	-	-	-	BOLT .. H.P. head mounting - 5/8 - 11 x 1-1/2 hex. head
*73	8442579	-	-	-	12	12	12	BOLT .. H.P. head mounting - 5/8 - 11 x 1-1/2 flanged hex. head
*74	272552	4	4	4	-	-	-	BOLT .. H.P. head mounting - 5/8 - 11 x 5 - 3/4 hex. head
*74	272553	-	-	-	2	2	2	BOLT .. H.P. head mounting - 5/8 - 11 x 6 - 3/4 hex. head
75	8337947	1	1	1	-	-	-	GASKET .. Head to cylinder - High pressure
75	8313242	-	-	-	1	1	1	GASKET .. Head to cylinder - High pressure

See P.L. 1152

See P.L. 1158

P.L. No. D1144-E

AIR COMPRESSOR

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
								COMPRESSOR .. Air
76	8237530	-	-	-	-	-	-	PLATE .. Water opening - Head 1 required H.P. head all WBG except 8100 series 2 required L.P. head WBO and WBG compressors
77	8083349	-	-	-	-	-	-	GASKET .. Plate to head - 1 required each with ref. no. 76
78	179838	-	-	-	-	-	-	BOLT .. Plate mtg. - 3/8 - 16 x 7/8 hex. head - 2 required each with ref. no. 76
79	8033548	2	2	2	4	4	4	VALVE .. Low pressure discharge - Except WBO 8116,8120,8124
79	8424968	2	-	2	-	-	-	VALVE .. Low pressure discharge - WBO 8116, 8120,8124 only
80	8033552	1	1	1	2	2	2	VALVE .. High pressure discharge - All WBO except 8116,8120,8124
80	8424969	1	-	1	-	-	-	VALVE .. High pressure discharge - WBO 8116,8120,8124 only
81	8107324	2	2	2	4	4	4	GASKET .. Valve cover to low pressure head
82	8107325	1	1	1	2	2	2	GASKET .. Valve cover to high pressure head
83	-----	2	2	2	4	4	4	VALVE .. Low pressure suction unloading
84	-----	1	1	1	2	2	2	VALVE .. High pressure suction unloading
85	8083598	2	2	2	4	4	4	GASKET .. Valve cover to low pressure head - Form. 8083298
86	8107325	1	1	1	2	2	2	GASKET .. Valve cover to high pressure head
87	8237539	1	1	1	-	-	-	CYLINDER .. Low pressure - 7-7/8 in. dia. bore All WBO except 8116,8120,8124
87	9518774	1	-	1	-	-	-	CYLINDER .. Low pressure - 7-7/8 in. dia. bore WBO 8116,8120,8124 only
87	8260339	-	-	-	2	2	2	CYLINDER .. Low pressure - 7 in. dia. bore
88	8347434	1	1	1	-	-	-	CYLINDER .. High pressure - 5-3/4 in. dia. bore
88	8260340	-	-	-	1	1	1	CYLINDER .. High pressure - 5-3/4 in. dia. bore
* 89	9436083	-	-	-	2	2	2	PLUG .. Expansion - 1-1/2 in. dia. - Repl. 103896
90	8204460	3	3	3	-	-	-	GASKET .. H.P. and L.P. cylinder to crankcase
90	8068806	-	-	-	3	3	3	GASKET .. H.P. and L.P. cylinder to crankcase
91	271611	12	12	12	24	24	24	BOLT .. Cyl. mtg. - 3/4 - 10 x 2 hex. head
92	8282734	12	12	12	24	24	24	WASHER .. Lock - 3/4
93	8159749	AR 5	AR 3	AR 3	3	3	3	PLATE .. Inspection - Cylinder - Qty. 5 all WBO except 1 WBO 8116, 8120,8124
94	8159750	AR 5	AR 3	AR 3	3	3	3	GASKET .. Plate to cylinder - Qty. 5 all WBO except 1 WBO 8116,8120, 8124
95	179881	AR 10	AR 6	AR 6	6	6	6	BOLT .. Plate mtg. - 1/2 - 13 x 1 hex. head - Qty. 10 all WBO except 2 WBO 8116,8120,8124
96	-----	2	2	2	4	4	4	PISTON ASY. .. Low pressure
97	-----	1	1	1	2	2	2	PISTON ASY. .. High pressure
98	-----	2	2	2	4	4	4	RING SET .. Low pressure piston
99	-----	1	1	1	2	2	2	RING SET .. High pressure piston
100	8063258	2	2	2	4	4	4	PIN .. Low pressure piston
101	8083618	1	1	-	2	2	-	PIN .. High pressure piston - WBO 8028,8032 - WBG 8013,8016,8024
101	8422001	1	1	1	2	2	2	PIN .. High pressure piston - WBO 8042,8043, all 8100 series WBG 8021,8101,8102,8104
102	8033545	-	-	-	-	-	-	ROD ASY. .. Connecting 2 required for WBO 8042,3,8101,2,3,8,16,20,24 3 required for WBO 8028,32 4 required for WBG 8021,4,8101,2,4 6 required for WBG 8013,16
102	8421998	1	1	1	2	2	2	ROD ASY. .. Connecting WBO 8042,3,8101,2,3,8,16,20,24 WBG 8021,4,8101,2,4
103	8496981	6	6	6	12	12	12	BEARING .. Upper and lower - Repl. 8083586 8499962 .. .030 O.S. - Replaces 8090120

See P.L. 1161

See P.L.
1161See
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P.L. No. D1144-E

AIR COMPRESSOR

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
-	----	COMPRESSOR .. Air						
-	----	See Previous Page						ROD ASY. .. Connecting
104	8363799	6	6	6	12	12	12	BOLT ASY. .. Connecting rod - With nuts - Replaces 8083588 bolt, 119256 nut and 103886 pin
*105	8360510	6	6	6	12	12	12	BOLT .. Cap mtg. - 5/8 - 11 x 4 - 3/32 special head
*106	102639	6	6	6	12	12	12	NUT .. 5/8 - 11 hex.
*107	107812	6	6	6	12	12	12	NUT .. Lock - 5/8 - 11 hex.
108	8063255	3	3	3	6	6	6	BOLT .. Piston pin clamp - 1/2 - 20 x 2 drilled hex. head
109	8116738	As Required						WIRE .. Lock - 3/64 dia. - 500 ft. roll
110	8249904	1	1	1	-	-	-	MANIFOLD ASY. .. Water inlet - Except WBO 8116,8120,8124
110		1	-	1	-	-	-	MANIFOLD ASY. .. Water inlet - WBO 8116,8120,8124
110	8293207	-	-	-	1	1	1	MANIFOLD ASY. .. Water inlet
*111		1	-	-	-	-	-	TUBE ASY. .. Water manifold inlet - WBO 8124 only
112		1	-	1	-	-	-	TUBE .. Intercooler inlet - WBO 8116,8120,8124 only
112	8335816	1	1	1	-	-	-	TUBE .. Intercooler inlet - Except WBO 8116,8120,8124
112	8282993	-	-	-	1	1	1	TUBE .. Intercooler inlet
113	8440633	1	1	1	-	-	-	TUBE .. H.P. inlet - 1/2 O.D. - Appl. with ref. no. 115
113	8335825	-	-	-	1	1	1	TUBE .. H.P. inlet - 5/8 O.D.
114	8256305	1	1	-	1	1	-	FLANGE .. High pressure inlet - WBO,WBG 8000 series
115	8440634	1	1	1	-	-	-	DEFLECTOR .. Water deflecting - 1/2 M.P.T. - WBO 8100 series
116	9336056	AR 2 AR		-	-	-	-	CONNECTOR .. 1/2 M.P.T. x 1/2 tube - Replaces 8321748 2 required all WBO except 3 required WBO 8116,8120,8124
*117	9500707	AR 2 AR		-	-	-	-	SLEEVE .. Connector - 1/2 I.D.
*118	8393390	2	2	2	-	-	-	SEAL .. Connector - 1/2 I.D. - Used with conn. 8321748
119	9336057	2	2	2	2	2	2	CONNECTOR .. 1/2 M.P.T. x 5/8 tube - Replaces 8335827
*120	9500708	2	2	2	2	2	2	SLEEVE .. Connector - 5/8 I.D.
*121	8393391	2	2	2	2	2	2	SEAL .. Connector - 5/8 I.D. - Used with conn. 8335827
*122	9336058	AR -		1	2	2	2	CONNECTOR .. 1/2 M.P.T. x 3/4 tube - Replaces 8321747 1 required WBO 8120 - 2 required WBO 8124
*123	9500709	AR -		1	2	2	2	SLEEVE .. Connector - 3/4 I.D.
*124	8393392	-	-	-	2	2	2	SEAL .. Connector - 3/4 I.D. - Used with conn. 8321747
*125	8073275	1	1	1	-	-	-	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/8 in. long - Except WBO 8116,8120, 8124
*125		1	-	1	-	-	-	NIPPLE .. Pipe - WBO 8116,8120 only
126	138105	1	1	1	-	-	-	TEE .. Pipe - 1/2 F.P.T.
φ 127	108686	1	1	1	2	2	2	ELBOW .. Pipe - 1/2 M.P.T. x 1/2 F.P.T. - 90°
φ 127	119098	1	1	1	-	-	-	ELBOW .. Pipe - 1/2 F.P.T. - 90° - Appl. with ref. no. 115
*128		1	-	1	-	-	-	ELBOW .. Tube - Manifold inlet - WBO 8116,8120 only
*129	9335299	1	-	-	-	-	-	ELBOW .. Tube - Manifold inlet - WBO 8124 only
*130		1	-	-	-	-	-	ELBOW .. Intercooler inlet - WBO 8124 only
*131		1	-	1	-	-	-	TUBE .. Manifold inlet - WBO 8116,8120,8124 only
*132	8260524	-	-	-	1	1	1	BRACKET .. Pipe assembly support
*133		-	-	-	1	1	1	CLAMP .. Pipe assembly
134	8083349	2	2	2	2	2	2	GASKET .. Pipe assembly to L.P. cylinder
135	8159750	1	1	1	1	1	1	GASKET .. Flange to H.P. cylinder
136	179839	4	4	4	-	-	-	BOLT .. L.P. flange mounting - 3/8 - 16 x 1 hex. head
137	179838	-	-	-	4	4	4	BOLT .. Flange to head - 3/8 - 16 x 7/8 hex. head
138	179881	2	2	2	3	3	3	BOLT .. Flange and clamp mtg. - 1/2 - 13 x 1 hex. head Except WBO 8100 series
*139	103323	-	-	-	1	1	1	WASHER .. Lock - Clamp mtg. - 1/2
*140	103325	-	-	-	1	1	1	WASHER .. Lock - Bracket mtg. - 5/8
*141	102637	-	-	-	1	1	1	NUT .. Clamp mtg. - 1/2 - 13 hex.
*142	8498379	1	1	1	-	-	-	KIT .. Deflector conversion - H.P. & L.P.
*142	9083385	-	-	-	1	1	1	KIT .. Deflector conversion - H.P. & L.P.
143	8260344	1	1	1	1	1	1	INTERCOOLER ASY. .. Air compressor - See P.L. 1155
144	8310077	1	1	1	1	1	1	VALVE .. Intercooler safety
145	8067249	1	1	1	-	-	-	ELBOW .. Intercooler to head - Left side
145	8260343	-	-	-	1	1	1	ELBOW .. Intercooler to head - Left side
146	8067250	1	1	1	-	-	-	ELBOW .. Intercooler to head - Right side
146	8260345	-	-	-	1	1	1	ELBOW .. Intercooler to head - Right side

P.L. No. D1144-E

AIR COMPRESSOR

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
								COMPRESSOR .. Air
147	8237534	1	1	1	-	-	-	CONNECTOR .. Intercooler to H.P. head
147	8260520	-	-	-	1	1	1	CONNECTOR .. Intercooler to H.P. head
148	8067251	2	2	2	2	2	2	GASKET .. Intercooler to elbow
149	8067253	1	1	1	1	1	1	GASKET .. Intercooler to connector
150	8039111	2	2	2	-	-	-	GASKET .. Elbow to low pressure head
150	8260847	-	-	-	2	2	2	GASKET .. Elbow to low pressure head
151	8083628	1	1	1	-	-	-	GASKET .. Connector to H.P. head
151	8082672	-	-	-	1	1	1	GASKET .. Connector to H.P. head
152	179887	8	8	8	-	-	-	BOLT .. Intercooler mtg. - 1/2 - 13 x 1-3/4 hex. head
152	179885	-	-	-	8	8	8	BOLT .. Intercooler mtg. - 1/2 - 13 x 1-1/2 hex. head
153	179882	16	16	16	-	-	-	BOLT .. Connector and elbow mtg. - 1/2 - 13 x 1-1/8 hex. head
153	179883	-	-	-	16	16	16	BOLT .. Connector and elbow mtg. - 1/2 - 13 x 1-1/4 hex. head
154	103323	8	8	8	8	8	8	WASHER .. Lock - 1/2
155	102637	8	8	8	8	8	8	NUT .. 1/2 - 13 hex.
156	8293206	2	2	2	-	-	-	PIPE ASY. .. Water outlet - Head to head
156	8282999	-	-	-	2	2	2	PIPE ASY. .. Water outlet - Head to head
157	8335817	1	1	1	-	-	-	TUBE .. Intercooler outlet - 5/8 O.D.
157	8335824	-	-	-	1	1	1	TUBE .. Intercooler outlet - 3/4 O.D.
158	9336057	2	2	2	-	-	-	CONNECTOR .. 1/2 M.P.T. x 5/8 tube - Replaces 8335827
*159	9500708	2	2	2	-	-	-	SLEEVE .. Connector - 5/8 I.D.
*160	8393391	2	2	2	-	-	-	SEAL .. Connector - 5/8 I.D. - Used with conn. 8335827
161	9336058	2	-	-	2	2	2	CONNECTOR .. 1/2 M.P.T. x 3/4 tube - Replaces 8321747 - WBO 8124 only
*162	9500709	2	-	-	2	2	2	SLEEVE .. Connector - 3/4 I.D. - WBO 8124 only
*163	8393392	-	-	-	2	2	2	SEAL .. Connector - 3/4 I.D. - Used with conn. 8321747
164	8351135	1	1	1	1	1	1	FITTING .. H.P. water outlet - Includes (1) connection
*165	-	-	-	-	1	1	1	CLAMP .. Intercooler water outlet tube
166	8083349	AR 5	AR 5	AR 5	5	5	5	GASKET .. Flange and fitting to head - 5 required all WBO except 3 required WBO 8116,8120,8124
167	179838	10	10	10	10	10	10	BOLT .. Pipe asy. and fitting mtg. - 3/8 - 16 x 7/8 hex. head
168	8063183	2	2	2	2	2	2	COCK .. Drain - Intercooler
169	103878	1	1	1	1	1	1	PLUG .. Pipe - 1/4 M.P.T. - Square head
170	8307091	1	1	1	-	-	-	TUBE .. High pressure suction unloading - 3/8 O.D. x .028 wall
170	-	-	-	-	1	1	1	TUBE .. High pressure suction unloading
171	8307090	1	1	1	-	-	-	TUBE .. Low pressure suction unloading - Left side - 3/8 O.D. x .028 wall
171	-	-	-	-	1	1	1	TUBE .. Low pressure suction unloading - Left side
172	8307092	1	1	1	-	-	-	TUBE .. Low pressure suction unloading - Right side - 3/8 O.D. x .028 wall
172	-	-	-	-	1	1	1	TUBE .. Low pressure suction unloading
173	-	-	-	-	1	1	1	TUBE .. High pressure cylinder to cylinder
174	-	-	-	-	2	2	2	TUBE .. Low pressure cylinder to cylinder
175	8357300	1	1	1	-	-	-	CONNECTOR .. H.P. suction tube - 1/4 M.P.T. x 3/8 tube
176	8037147	2	2	2	5	5	5	ELBOW .. 1/4 M.P.T. x 3/8 tube - 90°
177	8357301	1	1	1	1	1	1	TEE .. L.P. junction tubes - 3/8 tube
178	-	-	-	-	2	2	2	TEE .. L.P. cylinder to cylinder tube - 3/8 x 3/8 x 1/4
179	140569	1	1	1	1	1	1	CLIP .. Tube mounting
180	113974	1	1	1	1	1	1	SCREW .. Clip mounting - 1/4 - 20 x 3/8 round head
181	8204519	1	1	1	-	-	-	EYE BOLT .. Compressor lifting
181	8068831	-	-	-	1	1	1	EYE BOLT .. Compressor lifting

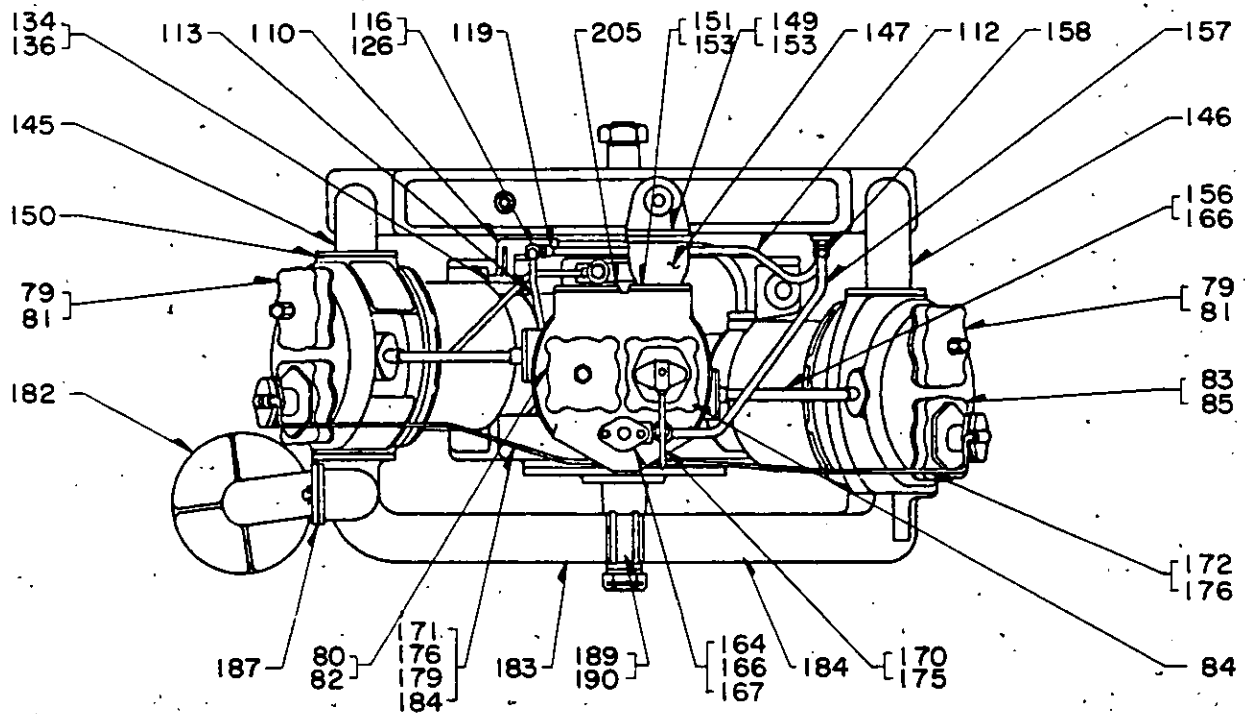
P.L. No. D1144-E

AIR COMPRESSOR

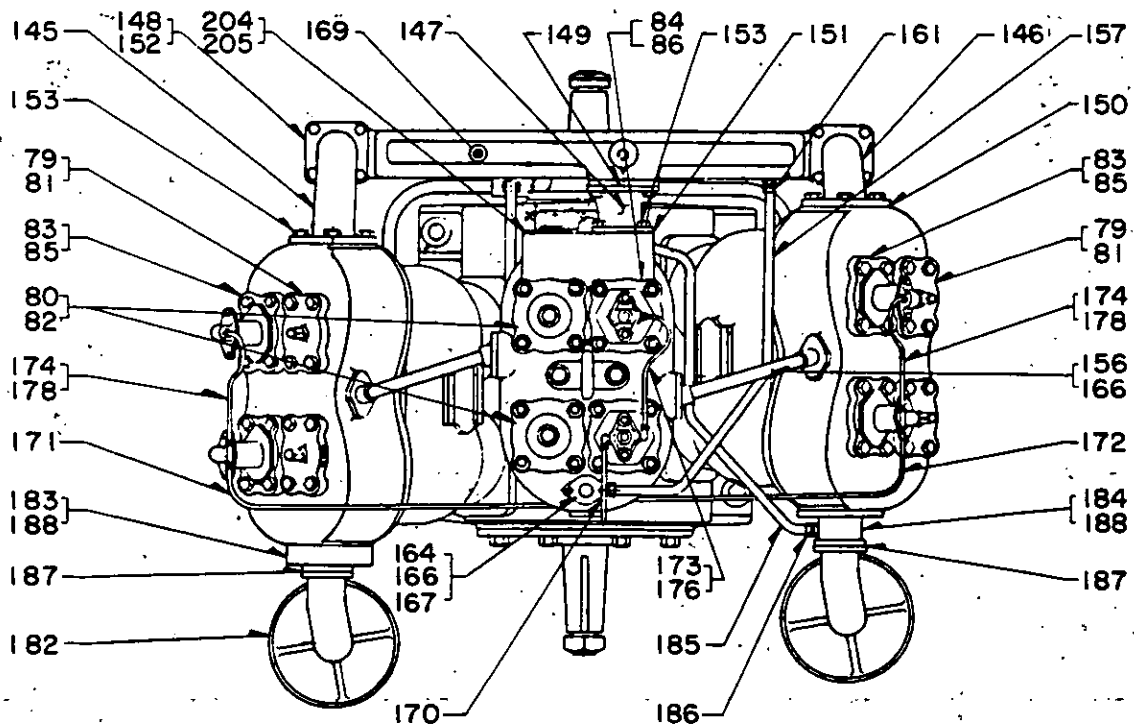
Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	COMPRESSOR .. Air
<i>Air Compressor Models WBO 8101 thru 8124 and WBG 8101 thru 8104, do not include reference numbers 182 thru 211. See Parts List 1165.</i>								
182	----	-	-	-	-	-	-	FILTER ASY. .. Air - See P.L. 1164 8157034 - 2 required WBG 8013 8402067 } 1 required WBO 8028,8032,8042,8043 2 required WBG 8016,8021,8024
183	8152431	1	1	-	-	-	-	MANIFOLD .. Left hand - Air filter
183	8188784	-	-	-	1	-	-	MANIFOLD .. Left hand - Air filter - WBG 8013 only
183	8428187	-	-	-	1	1	-	FLANGE .. Left hand - Air filter - Except WBG 8013
184	8152432	1	1	-	-	-	-	MANIFOLD .. Right hand - Air filter
184	8188783	-	-	-	1	-	-	FLANGE .. Right hand - Air filter - WBG 8013 only
184	8083609	-	-	-	1	1	-	FLANGE .. Right hand - Air filter - Except WBG 8013
*185	8361346	1	1	-	-	-	-	TUBE .. Manifold to breather - Approx. 20 - 3/8 in. long
185	8434964	-	-	-	1	1	-	TUBE .. Manifold to c/case vent plate } WBG 8016,
186	8206196	2	2	-	2	2	-	UNION .. 3/8 M.P.T. x 1/2 tube } 8021,8024
187	8067255	1	1	-	2	2	-	GASKET .. Filter to manifold
188	8082672	2	2	-	2	2	-	GASKET .. Manifold or flange to head
189	8171563	1	1	-	-	-	-	HOSE .. Rubber - Manifold connection
φ 190	8166525	2	2	-	-	-	-	CLAMP .. "T" bolt - Hose - Adjustable from 3.23 to 3.53 in. I.D.
φ 190	8430945	2	2	-	-	-	-	CLAMP .. Worn drive - Hose - Adjustable from 3-1/16 to 4 in. I.D.
*191	179881	6	6	-	-	-	-	BOLT .. 1/2 - 13 x 1 hex. head
*192	138258	-	-	-	4	4	-	SCREW .. Cap - L.H. filter mtg. - 3/8 - 24 x 2 hex. socket head
*193	179885	-	-	-	8	8	-	BOLT .. 1/2 - 13 x 1-1/2 hex. head
*194	190256	2	2	-	-	-	-	BOLT .. 1/2 - 13 x 4-1/2 hex. head
*195	179845	-	-	-	4	4	-	BOLT .. R.H. filter mtg. - 3/8 - 16 x 1-3/4 hex. head
*196	179843	4	4	-	-	-	-	BOLT .. Filter mtg. - 3/8 - 16 x 1 - 1/2 hex. head
*197	138242	-	-	-	8	-	-	BOLT .. 3/8 - 16 x 1 hex. socket head - WBG 8013 only
*198	8120261	2	2	-	-	-	-	GASKET .. Bolt - Copper
*199	103878	1	1	-	-	-	-	PLUG .. Pipe - 1/4 square head
++200	8083349	1	1	1	1	1	1	GASKET } Compressor water inlet
++201	6921943	1	1	1	1	1	1	FLANGE }
++202	8057487	1	1	1	1	1	1	GASKET } Compressor water outlet
++203	8329444	1	1	1	1	1	1	FLANGE }
++204	8083628	1	1	1	1	1	1	GASKET } Compressor air discharge
++205	8329401	1	1	1	1	1	1	FLANGE }
++206	8255258	1	1	1	1	1	1	GASKET .. Discharge pipe flange to flange - 2-7/8 I.D. x 3-3/8 O.D. x 21/64 in. thick
*207	8153228	As Required						VALVE .. Cock - Crankcase oil drain - 1 F.P.T.
φ*208	8482734	1	1	1	1	1	1	FITTING .. Quick disconnect - L.O. press test - 1/4 F.P.T. x 2 - 1/4 in.
φ*209	9083358	1	1	1	1	1	1	FITTING .. Quick disconnect - L.O. press test - 1/4 F.P.T. x 1 - 1/4 in.
*210	9096282	1	1	1	1	1	1	CAP .. Dust - Quick disconnect fitting - Incl. chain - Appl: to ref. 208
*211	9083357	1	1	1	1	1	1	CAP .. Dust - Quick disconnect fitting - Incl. chain - Appl: to ref. 209

P.L. No. D1144-E

AIR COMPRESSOR



TOP VIEW - WBO COMPRESSOR

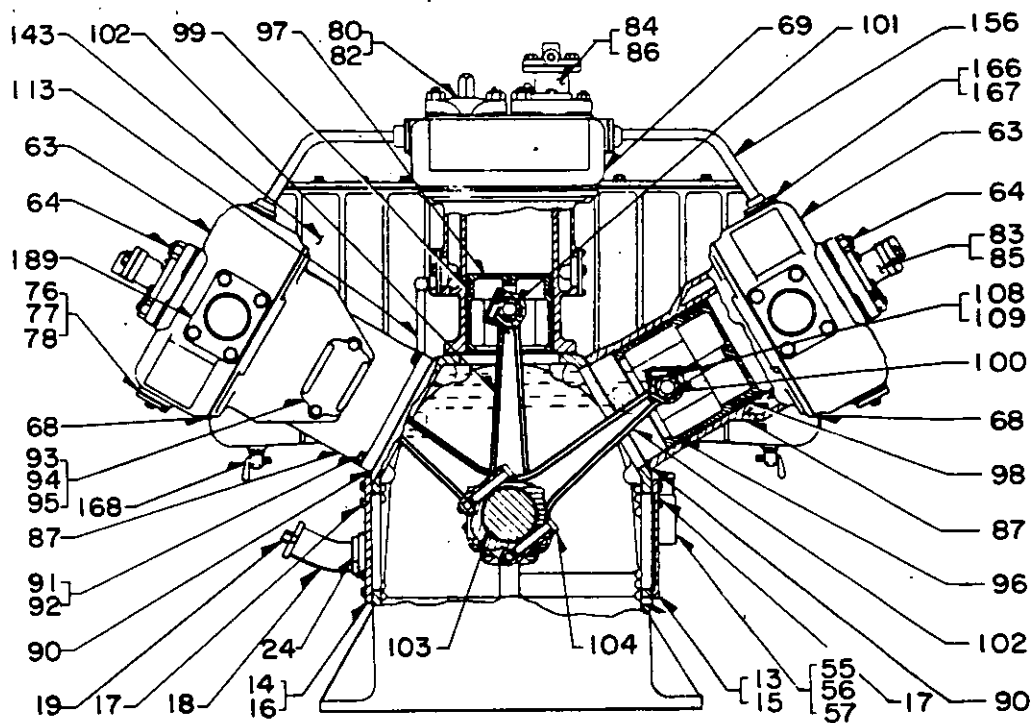


TOP VIEW - WBG COMPRESSOR

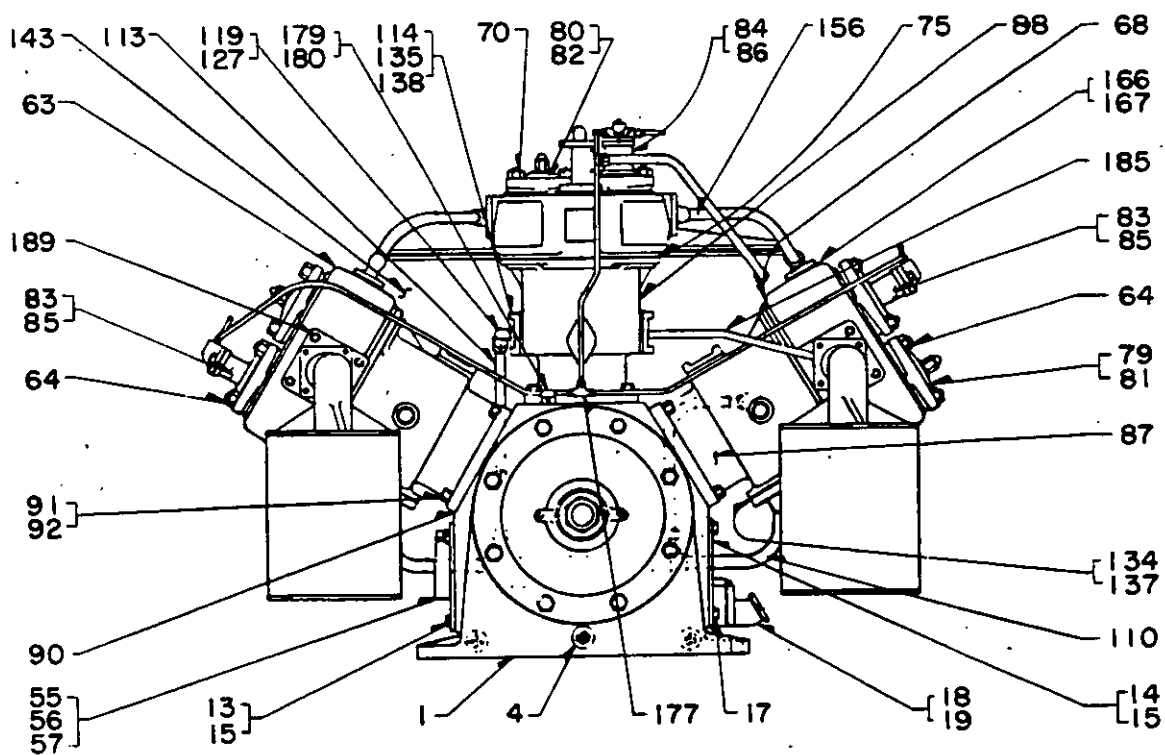
PLATE C1144-E-3

P.L. No. D1144-E

AIR COMPRESSOR



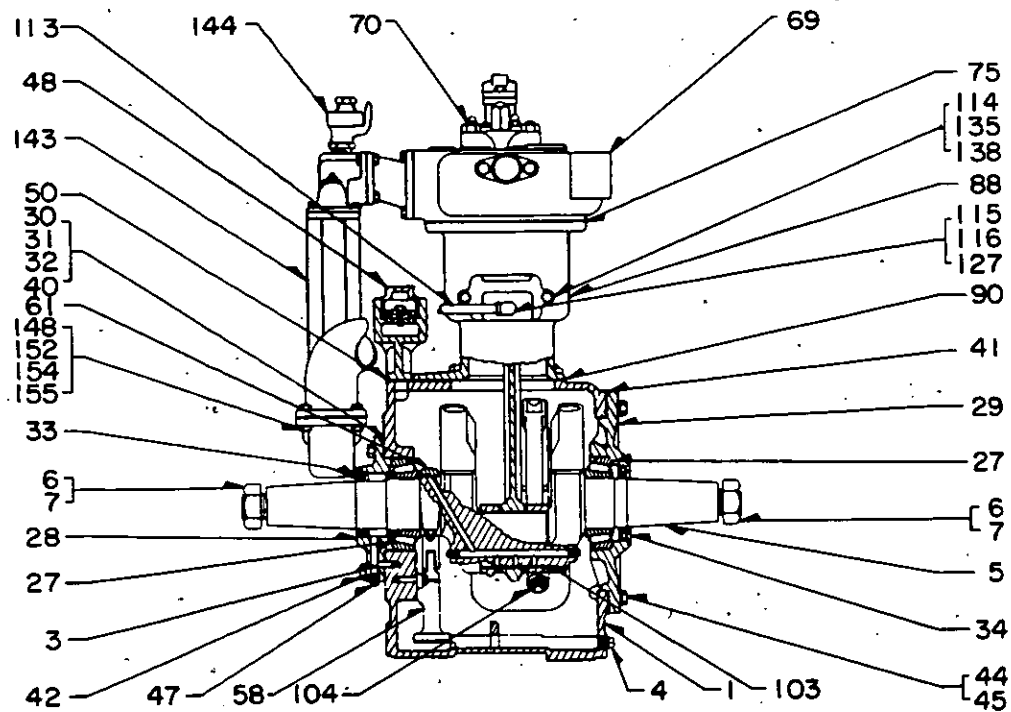
FRONT VIEW - WBO COMPRESSOR



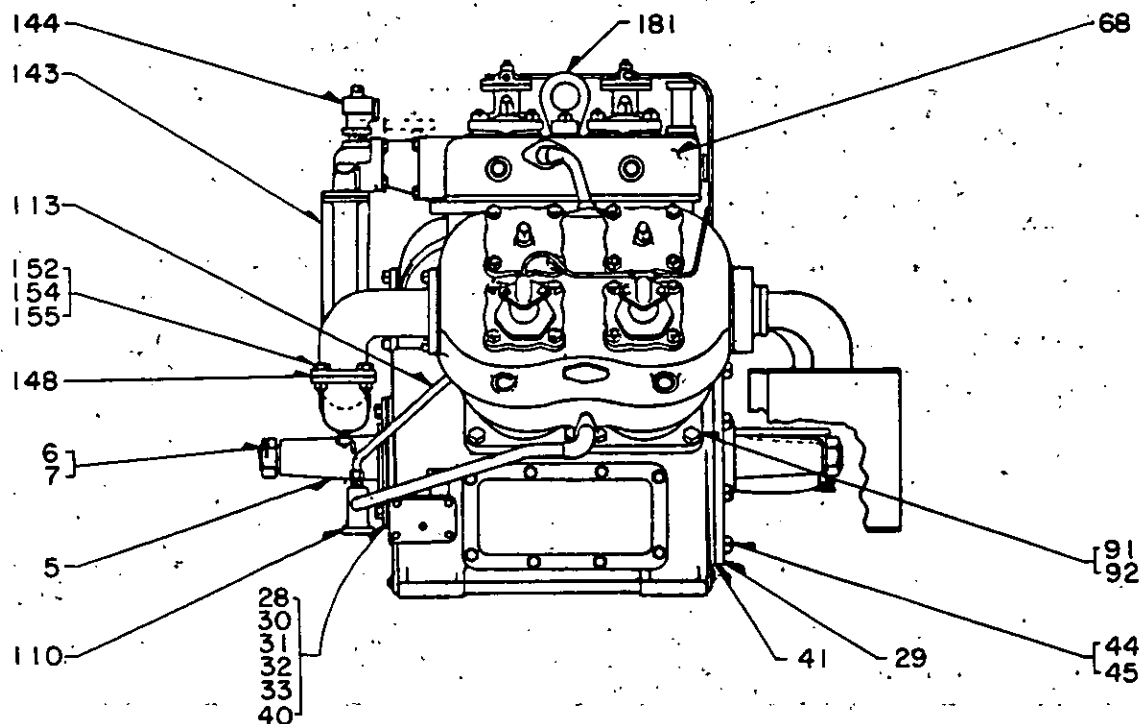
FRONT VIEW - WBG COMPRESSOR

PLATE B1144-E4

AIR COMPRESSOR



SIDE VIEW - WBO COMPRESSOR



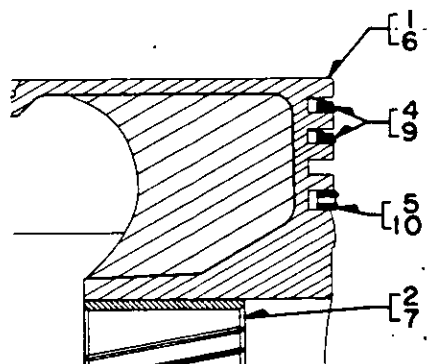
SIDE VIEW - WBG COMPRESSOR

PLATE B1144-E-5

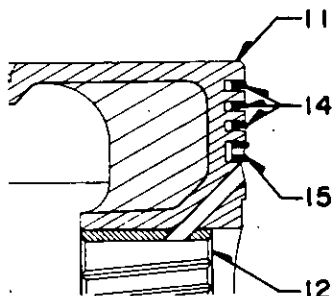
P.L. No. D1144-E

AIR COMPRESSOR

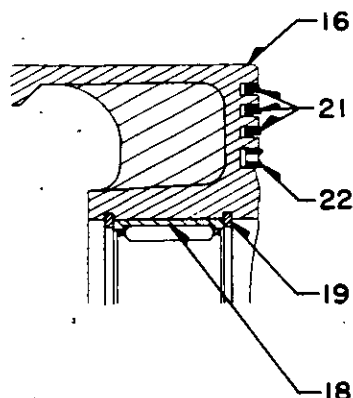
Pistons, Rings and Ring Sets



LOW PRESSURE



HIGH PRESSURE



HIGH PRESSURE

PLATE A1144-E-6

LOW PRESSURE PISTON ASSEMBLIES AND RING SETS

Ref. No.	Part Number				No. Req.	Description	Air Compressor Model Application
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.			
1	8338021	8345331	8345332	8345333	2	PISTON ASSEMBLY	All WBO
2	8338022	8338022	8338022	8338022	4	BUSHING .. Sleeve	
* 3	8271433	8271432	8271431	8271430	2	RING SET	
4	8267599	8270356	8270357	8270358	4	RING .. Compression	
5	8215101	8215102	8215103	8215104	2	RING .. Oil	
6	8343423	8345016	8345015	8345014	4	PISTON ASSEMBLY	All WBG
7	8338022	8338022	8338022	8338022	8	BUSHING .. Sleeve	
* 8	8267597	8267598	8267596	8267595	4	RING SET	
9	8260851	8266970	8266971	8266972	8	RING .. Compression	
10	8215105	8215106	8215107	8215108	4	RING .. Oil	

HIGH PRESSURE PISTON ASSEMBLIES AND RING SETS

Ref. No.	Part Number				A - B		Air Compressor Model Application
	Std. Size	.010 O.S.	.020 O.S.	.030 O.S.	A	B	
/ 11	8343422	8343866	8343867	8343868	1	2	WBO COMPRESSOR
/ 12	8343431	8343431	8343431	8343431	2	4	WBG COMPRESSOR
* 13	8271437	8271436	8271435	8271434	1	2	PISTON ASSEMBLY
14	8267600	8270353	8270354	8270355	3	6	BUSHING .. Sleeve
15	8215109	8215110	8215111	8215112	1	2	RING SET
							RING .. Compression
							RING .. Oil
16	8430937	8459487	8459488	8458489	1	2	WBO
* 17	8421997				1	2	8028,8032
18	8422002	8422002	8422002	8422002	2	4	WBG
19	274621	274621	274621	274621	4	8	8013,8016
* 20	8271437	8271436	8271435	8271434	1	2	PISTON ASSEMBLY
21	8267600	8270353	8270354	8270355	3	6	PISTON
22	8215109	8215110	8215111	8215112	1	2	BEARING .. Roller
							RETAINER
							RING SET
							RING .. Compression
							RING .. Oil

AIR COMPRESSOR

Conversion Kits

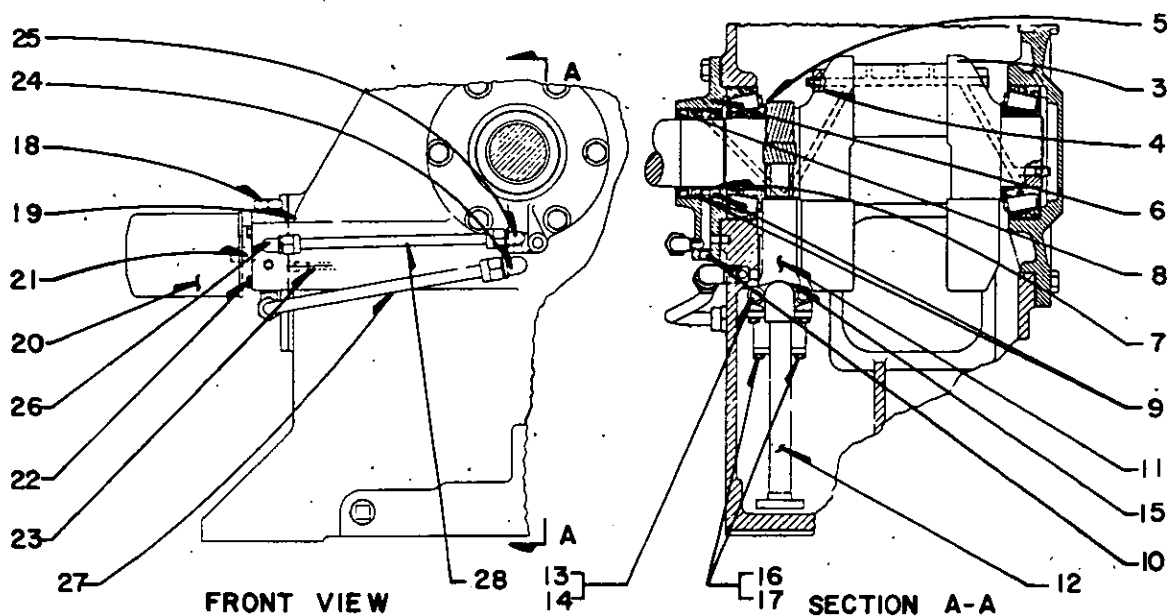


PLATE A1144-E-7

Ref. No.	Part Number	No. Req.	Description
OIL PUMP CONVERSION			
		A B	WBO Compressors - Except 8107,8114,8115,8124
1	9339049	1 -	PUMP KIT .. Gear type - Conversion
2	9331736	- 1	PUMP KIT .. Gear type - Conversion - Includes single end crankshaft
3	9311029	- 1	CRANKSHAFT ASY. ... Intercooler side - Single end
4	9339050	1 -	PLUG .. Orifice
5	9339051	1 -	GEAR .. Driver
6	9335296	1 1	PLATE ASY. ... Bearing cover
7	8341228	1 1	SEAL .. Oil
8	9311031	1 1	RING .. Retainer
9	9311032	2 2	RING .. Piston - Oil introducing
10	428988	1 1	PLUG .. 1/4 hex. socket headless
11	9311027	1 1	PUMP .. Oil - Lube - Gear driven
12	9311035	1 1	SCREEN .. Oil - With connector
13	179817	2 2	BOLT .. Connector to oil pump body - 5/16-18 x 7/8 hex. head
14	103320	2 2	WASHER .. Lock 5/16 in.
15	9311028	1 1	GASKET .. Connector to oil pump body
16	179885	2 2	BOLT .. Oil pump mtg. - 1/2-13 x 1-1/2 hex. head
17	103323	2 2	WASHER .. Lock - 1/2 in.
18	9335298	1 1	VALVE ASY. ... Oil pressure relief
19	9311034	1 1	GASKET .. Block to crankcase
20	9311037	1 1	FILTER .. Oil
21	9311036	1 1	STUD .. Oil filter to relief valve body
22	179848	4 4	BOLT .. Oil relief valve - 3/8-16 x 2-1/4 hex. head
23	428988	1 1	PLUG .. Relief valve - 1/4 hex. socket headless
24	9335299	2 2	ELBOW .. Tube 5/8 in.
25	9335300	1 1	ELBOW .. Tube - 1/2 tube x 1/4 pipe
26	9335303	1 1	ELBOW .. Tube - 1/2 tube x 3/8 pipe
27	9335301	1 1	TUBE .. Oil pump to relief valve
28	9335302	1 1	TUBE .. Relief valve to cover plate

Parts List No. D1152-E

OIL PRESSURE RELIEF VALVE

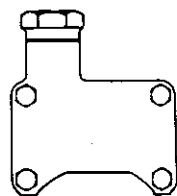
G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,
G22CU,G22CW,GL22C,GT22CU,GT22CW,JT22CW,JT22CW-2,
G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE D1152-E-1

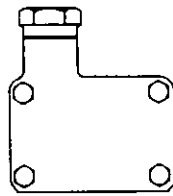
Ref. No.	Part Number	Number Required				Description	Air Compressor- Model Application
		A	B	C	D		
1	8424966	1	-	-	-	VALVE ASY. .. Oil pressure relief Replaced by the following items: 1 - 8493808 Valve Asy. 1 - 8493809 Gasket 4 - 179848 Bolts	WBO
2	8175374	-	1	-	-	VALVE ASY. .. Oil pressure relief Replaced by the following items: 1 - 8493807 Valve Asy. 1 - 8493809 Gasket 4 - 179848 Bolts	ABOV,ADJV,WBG,WXOV
3	8493807	-	-	1	-	VALVE ASY. .. Oil pressure relief	ABOV,ADJV,WBG,WXOV
4	8493808	-	-	1	-	VALVE ASY. .. Oil pressure relief	WBO
5	9311113	-	-	-	1	VALVE ASY. .. Oil pressure relief	WBO 8024 only
6	8379606	1	-	-	-	BLOCK .. Valve - No longer furnished - Replaced by 1 - 8493808 Valve 1 - 8493809 Gasket 4 - 179848 Bolts	
7	8186972	1	1	-	-	VALVE .. Pressure relief	
7	8493862	-	-	1	1	VALVE .. Pressure relief	
8	8083569	1	1	-	-	SPRING .. Relief valve	
8	8493863	-	-	1	1	SPRING .. Relief valve	
9	8188787	1	1	-	-	SCREW .. Pressure adjusting	
9	8493864	-	-	1	1	SCREW .. Pressure adjusting	
10	8203857	5	4	-	-	GASKET .. Ring - Screw to block	
10	8493810	-	-	3	3	GASKET .. Ring - Screw to block	
11	103878	2	2	1	2	PLUG .. 1/4 M.P.T. square head	
12	8083572	1	1	-	-	GASKET .. Block to crankcase	
12	8493809	-	-	1	-	GASKET .. Block to crankcase	
12	9311034	-	-	-	1	GASKET .. Block to crankcase	
13	179847	4	4	-	-	BOLT .. Valve mounting - 3/8 - 16 x 2 hex. head	
13	179848	-	-	4	4	BOLT .. Valve mounting - 3/8 - 16 x 2-1/4 hex. head	
*14	9311037	-	-	-	1	FILTER .. Oil	
*15	9311036	-	-	-	1	STUD .. Oil filter to relief valve body	

P.L. No. D1152-E

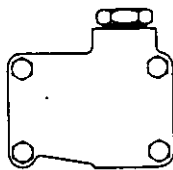
OIL PRESSURE RELIEF VALVE



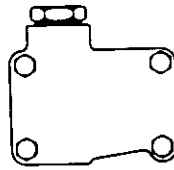
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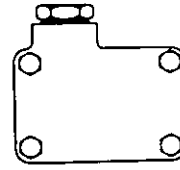
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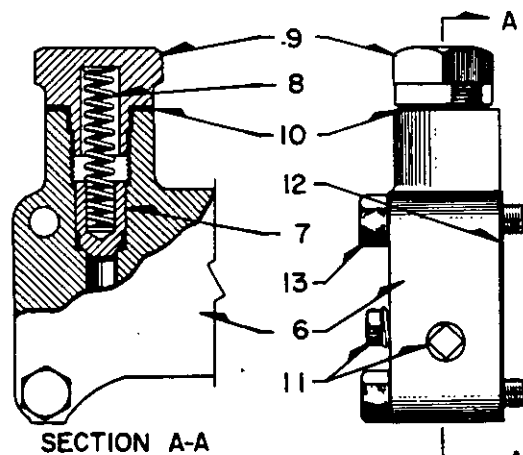
Ref. No. 3



Ref. No. 4

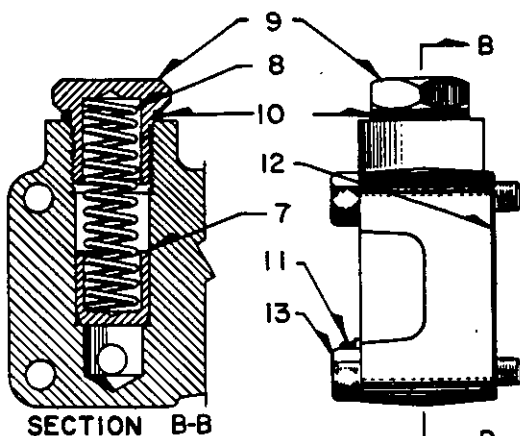


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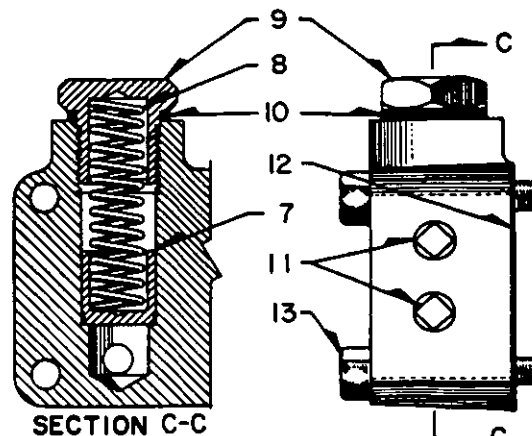
SECTION A-A

Ref. Nos. 1 and 2



SECTION B-B

Ref. Nos. 3 and 4



SECTION C-C

Ref. No. 5

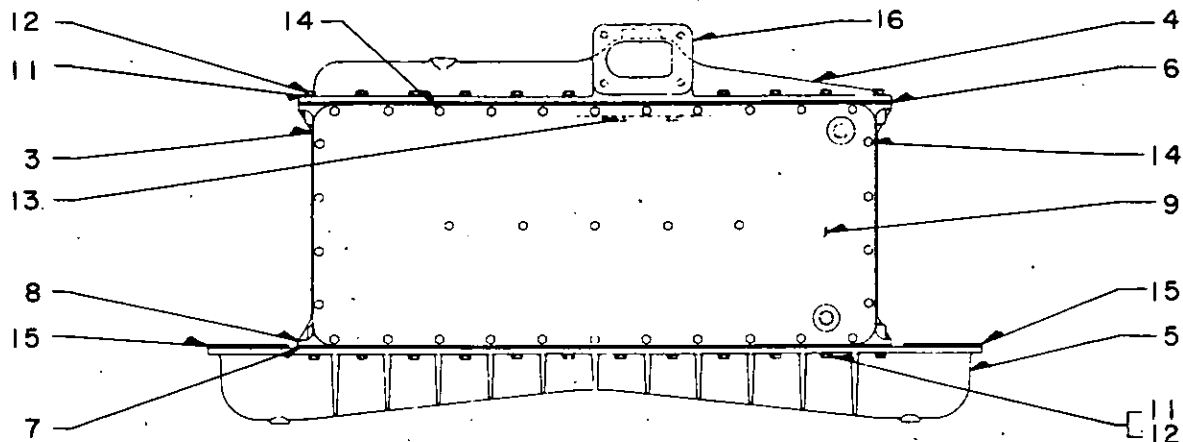
PLATE D1152-E-1

Parts List No. C1155-E

INTERCOOLER

Intercooler

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

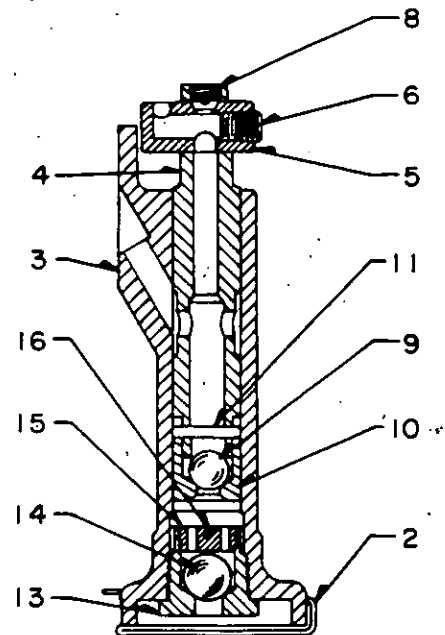
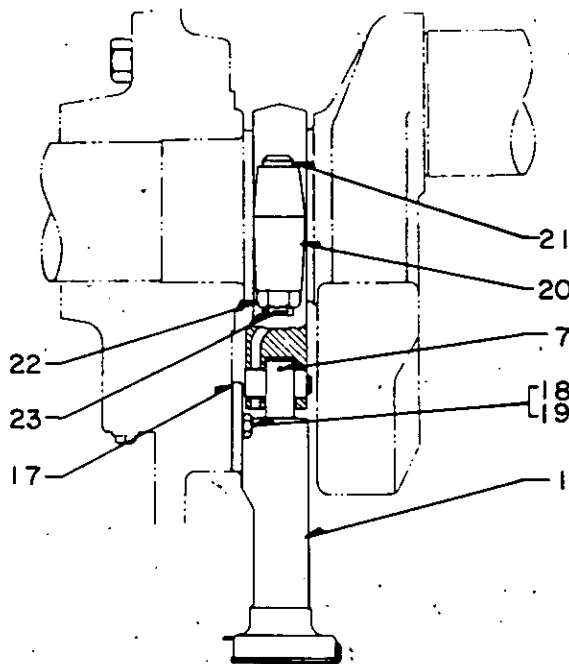


Ref. No. 2
PLATE B1155-E-1

Ref. No.	Part Number	No. Req.		Description	Compressor Application
* 1	8190627	A	B	INTERCOOLER .. Air compressor - Air flow	WXOV WBO and WBG
2	8260344	-	1	INTERCOOLER .. Air compressor - Water flow	
3	8191104	1	-	CORE .. Intercooler - Cast iron	
3	8271513	-	1	CORE .. Intercooler - Cast iron	
4	8191102	1	1	TANK .. Top	
5	8191107	1	1	TANK .. Bottom	
6	8191103	1	-	SPACER .. Top tank to core	
6	8271510	-	1	SPACER .. Top tank to core	
7	8191106	1	-	SPACER .. Bottom tank to core	
7	8271509	-	1	SPACER .. Bottom tank to core	
8	8433087	4	4	GASKET .. Tanks to core - Replaces 8191105	
* 9	8271508	-	1	PLATE .. Rear cover - 31 x 13-5/16 steel	
*10	8277728	-	1	GASKET .. Plate to core	
11	103320	48	85	WASHER .. Lock - 5/16 - Formerly 87 required for Ref. No. 2	
12	179817	48	46	BOLT .. Tank mounting - 5/16-18 x 7/8 hex. head	
*13	179820	-	2	BOLT .. Tank mounting - 5/16-18 x 1-1/4 hex. head	
*14	179816	-	37	BOLT .. Plate mounting - 5/16-18 x 3/4 hex. head - Formerly 35 required for Reference Number 2	
+15	8067251	2	2	GASKET .. Elbows to intercooler	
+16	8067253	2	2	GASKET .. Connector to intercooler	
+*17	8063183	2	2	COCK .. Drain - 1/4 M.P.T.	

LUBRICATING OIL PUMP

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

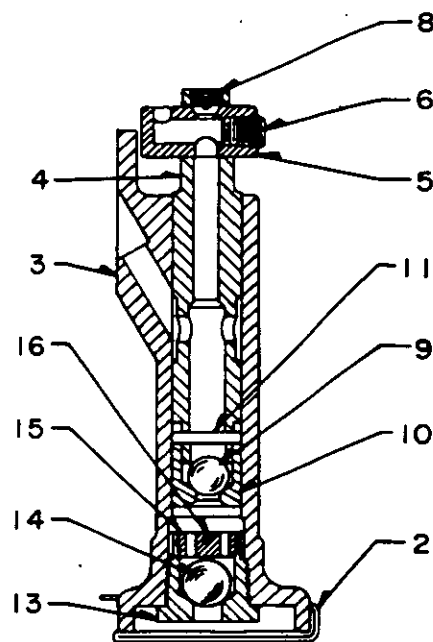
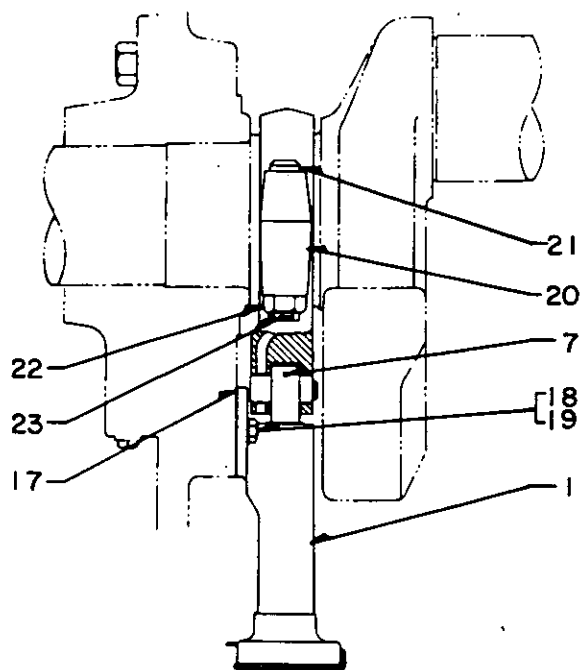
PLATE B1158-E-1

Ref. No.	Part Number	No. Req.	Description	Crankcase Depth	Air Compressor Application
1	8130811	1	PUMP ASSEMBLY .. Lubricating	10-1/2 in.	WBO 8028,8032,8042,8043,8102,
2	8063209	1	SCREEN .. Oil pump		8103,8108,8120 - All WBG except
3	8061082	1	BODY .. Oil pump		8101 - ABOVE ADJV, WXOV
4	8135501	1	PLUNGER ASSEMBLY .. Incl. taper pin locator - Replaced by 8441361		
4	8441361	1	PLUNGER ASSEMBLY .. Incl. set screw locator - Replaces 8135501		
5	8135505	1	PIN .. Strap to plunger - Replaced by 8441361 plunger assembly		
5	8441358	1	PIN .. Strap to plunger - 5/8 in. dia. x 1-1/2 in. long		
6	444687	1	PLUG .. Pipe - 1/8-27 hex. socket		
7	103563	1	PIN .. Taper - Pin locating - No. 0 x 3/4 in. long		
8		1	SCREW .. Set - Pin locating		
9	145647	1	BALL .. Outlet - 1/2 in. dia.		
10	8063213	1	SEAT .. Ball		
11	112031	1	PIN .. Ball seat - 5/32 dia. x 7/8 in. long		
*12	8063215	1	INLET ASSEMBLY .. Oil pump		
13	8063216	1	INLET .. Oil pump - Replaced by 8063215 inlet asy.		
14	145648	1	BALL .. Oil pump inlet - 9/16 in. dia.		
15	8063218	1	BUMPER .. Inlet ball		
16	8063219	1	PIN .. Oil pump inlet ball safety		
+17	8083565	1	GASKET .. Oil pump to crankcase		
+18	8083566	2	SCREW .. Oil pump mounting - 1/2-13 x 1-1/2 drilled hex. head		
+19	8116738	-	WIRE .. Lock - 3/64 dia. - 500 ft. long - Approx. 7 in. required		
20	8135506	1	STRAP ASSEMBLY .. Oil pump eccentric		
21	8157428	2	BOLT .. Eccentric strap - Round head flat on one side		
22	102647	2	NUT .. Eccentric strap bolt - 1/2-20 hex. - Slotted		
23	103374	2	PIN .. Cotter - 3/32 x 1 in. long		

P.L. No. C1158-E

LUBRICATING OIL PUMP

GT26CW Locomotive



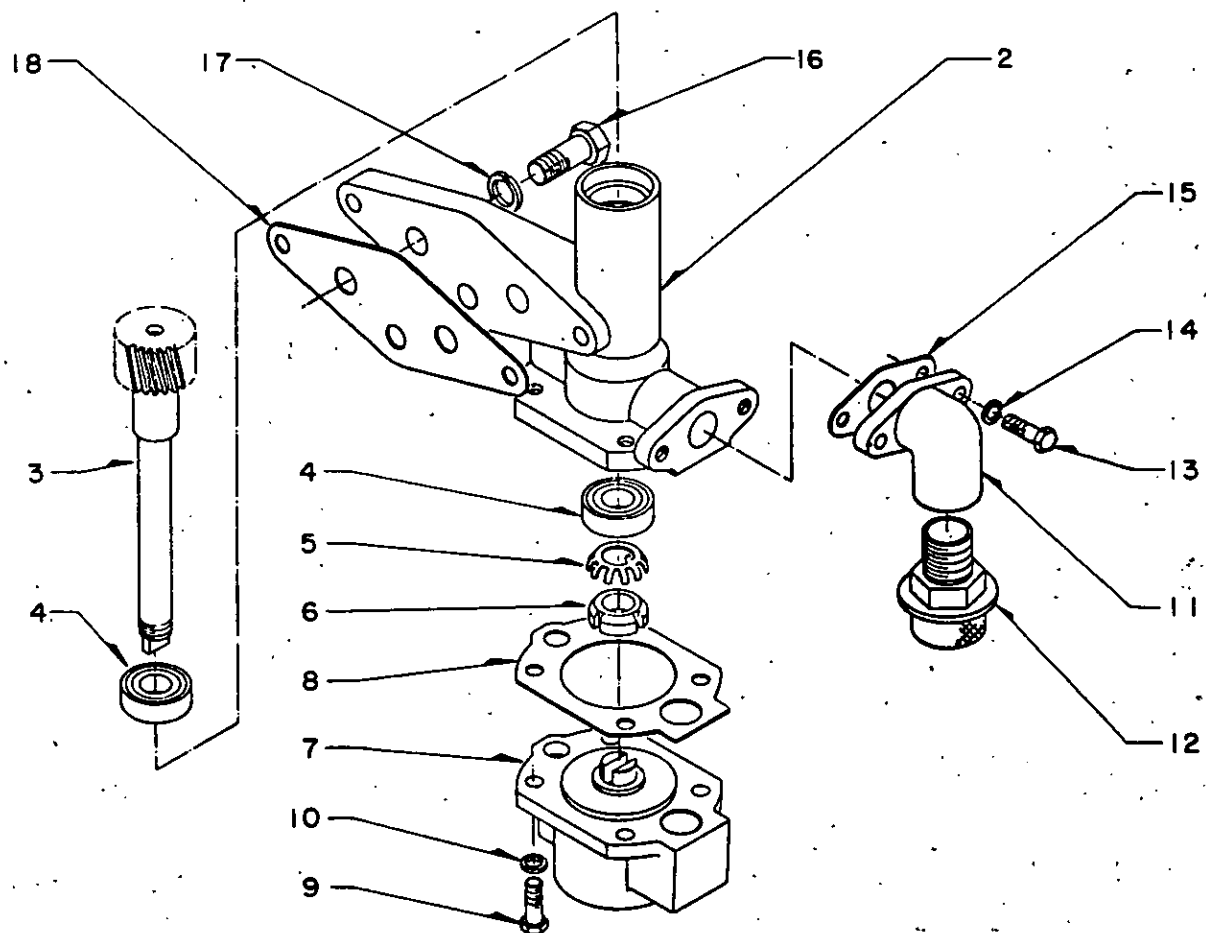
Ref. No. 1

PLATE B1158-E-2

Ref. No.	Part Number	No. Req.	Description	Crankcase Depth	Air Compressor Application
1	8317892	1	PUMP ASSEMBLY .. Lubricating	18-3/8 in.	WBO 8101,8116
2	8063209	1	SCREEN .. Oil pump		WBG 8101
3	8317891	1	BODY .. Oil pump		
4	8317896	1	PLUNGER ASSEMBLY .. Incl. taper pin locator - Replaced by 8441362		
4	8441362	1	PLUNGER ASSEMBLY .. Incl. set screw locator - Replaces 8317896		
5	8135505	1	PIN .. Strap to plunger - Replaced by 8441362 plunger assembly		
5	8441358	1	PIN .. Strap to plunger - 5/8 in. dia. x 1-1/2 in. long		
6	444687	1	PLUG .. Pipe - 1/8-27 hex. socket		
7	103563	1	PIN .. Taper - Pin locating - No. 0 x 3/4 in. long		
8		1	SCREW .. Set - Pin locating		
9	145647	1	BALL .. Outlet - 1/2 in. dia.		
10	8063213	1	SEAT .. Ball		
11	112031	1	PIN .. Ball seat - 5/32 dia. x 7/8 in. long		
*12	8063215	1	INLET ASSEMBLY .. Oil pump		
13	8063216	1	INLET .. Oil pump - Replaced by 8063215 inlet asy.		
14	145648	1	BALL .. Oil pump inlet - 9/16 in. dia.		
15	8063218	1	BUMPER .. Inlet ball		
16	8063219	1	PIN .. Oil pump inlet ball safety		
+17	8317893	1	GASKET .. Oil pump to crankcase		
+18	8083566	2	SCREW .. Oil pump mounting - 1/2-13 x 1-1/2 drilled hex. head		
+19	8116738	-	WIRE .. Lock - 3/64 dia. - 500 ft. long - Approx. 7 in. required		
20	8135506	1	STRAP ASSEMBLY .. Oil pump eccentric		
21	8157428	2	BOLT .. Eccentric strap - Round head flat on one side		
22	102647	2	NUT .. Eccentric strap bolt - 1/2-20 hex. - Slotted		
23	103374	2	PIN .. Cotter - 3/32 x 1 in. long		

P.L. No. C1158-E

LUBRICATING OIL PUMP



Ref. No. 1

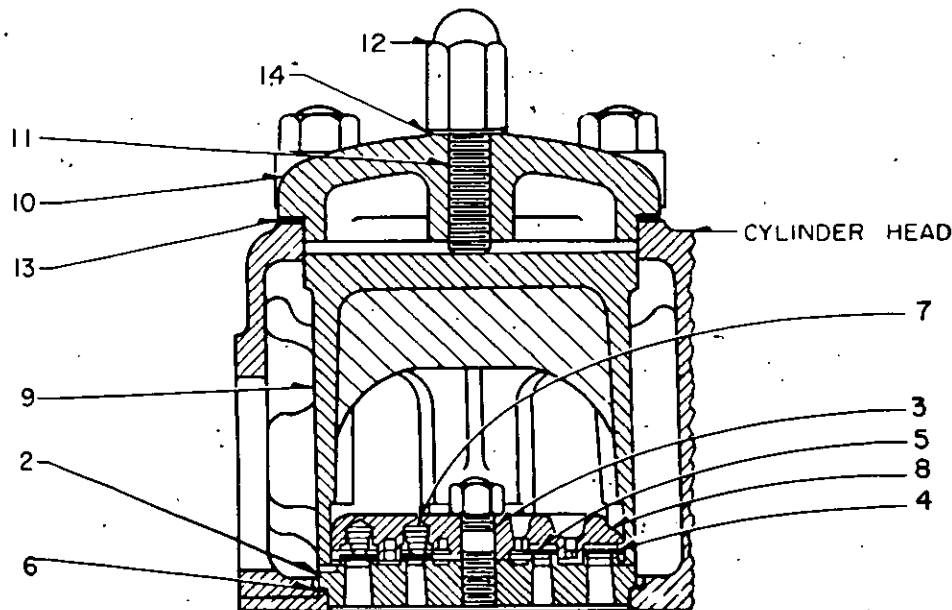
PLATE A1158-E-3

Ref. No.	Part Number	No. Req.	Description
1	9311027	1	PUMP ASY... Lube oil - Gear driven - WBO 8124 only
2		1	BODY .. Oil pump
3		1	GEAR .. Driven
4		2	BEARING .. Roller
5		1	WASHER .. Lock - Bearing
6		1	NUT .. Lock - Bearing
7		1	PUMP .. Lube oil
8		1	GASKET .. Oil pump to body
9	179817	4	BOLT .. Oil pump to body
10	103320	4	WASHER .. Lock - 5/16 in.
11		1	CONNECTOR .. Oil strainer to oil pump
12		1	STRAINER .. Oil pump inlet
13	179817	2	BOLT .. Connector to oil pump body - 5/16 - 18 x 7/8 in. hex. head
14	103320	2	WASHER .. Lock - 5/16 in.
15	9311028	1	GASKET .. Connector to oil pump body
+16	179885	2	BOLT .. Oil pump body to crankcase - 1/2 - 13 x 1-1/2 hex. head
+17	103323	2	WASHER .. Lock - 1/2 in.
+18		1	GASKET .. Oil pump body to crankcase

PRESSURE AND SUCTION VALVES

Low Pressure And Vacuum Cylinder Discharge Valve

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,
GT22CU,GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1
PLATE B1161-E-1

Ref. No.	Part Number	No. Req.	Description	Compressor Application
+ 1	8033548	A - -	VALVE ASY. ... Discharge - 6 spring	All ABOV except 8102,3 All ADJV except 8103 WXOV,WBG,WBO except 8116,8120
+ 1	8497567	- B -	VALVE ASY. ... Discharge - 6 spring	ABOV 8102,8103 only ADJV 8103 only
++ 1	8424968	- - C	VALVE ASY. ... Discharge - 9 spring	WBG,WBO 8116,8120 only
2	8083602	1 - 1	SEAT ASY. ... Valve	
2		- 1 -	SEAT ASY. ... Valve	
3	8360634	1 1 1	STUD .. Valve seat - Special	
4	8083590	1 1 1	DISC .. Valve - Outer	
5	8063274	1 1 1	DISC .. Valve - Inner	
6	8083592	1 1 1	GASKET .. Valve seat to head - Formerly 8083593	
φ 7	8246382	6 - -	SPRING .. Discharge valve - Stainless steel - Flat wire	
φ 7	8063275	6 - -	SPRING .. Discharge valve - Spring steel	
* 7	9098117	- 6 9	SPRING .. Discharge valve - Teflon bumpers - Formerly 8433090	
8	8083603	1 - -	BUMPER .. Discharge valve	
8	8497570	- 1 -	BUMPER .. Discharge valve	
8	8433091	- - 1	BUMPER .. Discharge valve	
9	8038967	1 1 1	CLAMP .. Valve	
10	8038970	1 1 1	PLATE .. Valve cover	
11	138878	1 1 1	SCREW .. Set - Plate mtg. - 5/8 - 11 x 2-1/2 hex. socket oval point	
12	8038969	1 1 1	NUT .. Set screw - Crown - 5/8 - 11 hex.	
13	8107324	1 1 1	GASKET .. Cover plate to head	
14	8083298	1 1 1	GASKET .. Set screw to cover plate	

+ To convert 6 spring valve to 9 spring, order 9 - 9098117 springs and 1 - 8433091 bumper.

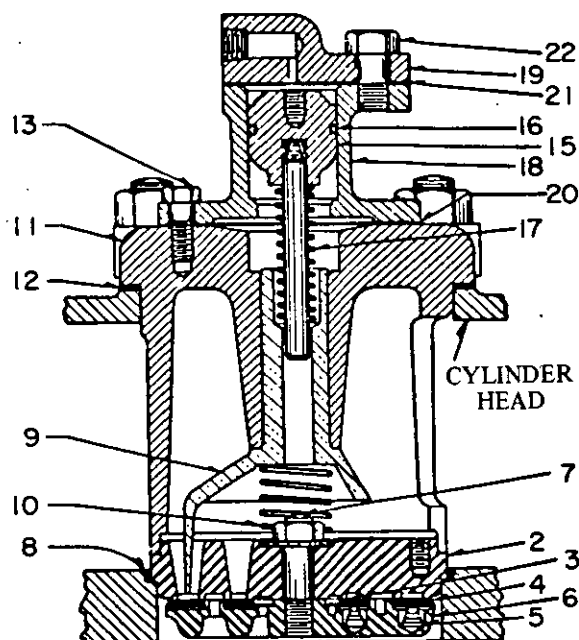
++ Required to operate compressor at 950 R.P.M. Installed on all new compressors shipped after April, 1975.

P.L. No. D1161-E

PRESSURE AND SUCTION VALVES

Low Pressure Cylinder Suction Unloading Valve

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,
GT22CU,GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives



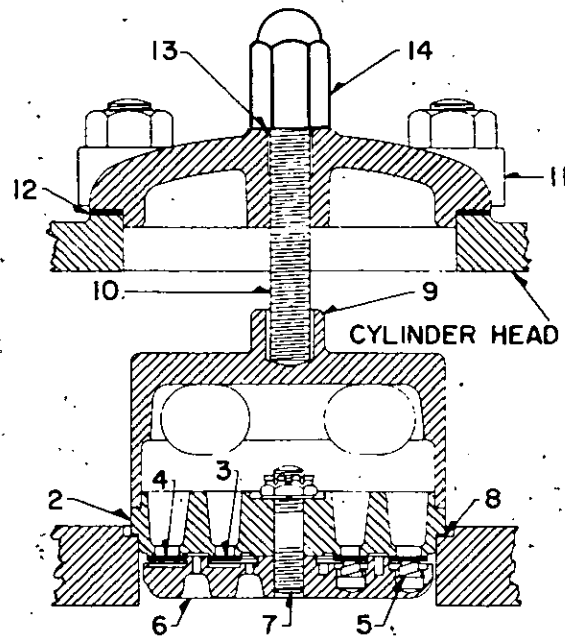
Ref. No. 1
PLATE C1161-E-2

Ref. No.	Part Number	No. Req.	Description	Compressor Application
1	8067160	A -	VALVE ASY. .. L.P. suction unloading	ABOV,ADJV,WXOV,WBO & WBG Prior to Ser. No. 679330 Starting with Ser. No. 679330 - WBO and WBG
1	9319947	- B	VALVE ASY. .. L.P. suction unloading	
2	8083589	1 -	SEAT .. Suction valve	
2		- 1	SEAT .. Suction valve	
3	8063274	1 1	DISC .. Valve - Inner suction	
4	8083590	1 1	DISC .. Valve - Outer suction	
5	8246382	6 -	SPRING .. Suction - Stainless steel - Flat wire	
5	8063275	6 -	SPRING .. Suction - Spring steel	
5	9098117	- 6	SPRING .. Suction - Teflon bumpers - Water cooled compressor only	
6	8083591	1 -	BUMPER ASY. .. Suction valve	
6		- 1	BUMPER ASY. .. Suction valve	
7	181429	1 1	BOLT .. Bumper mounting - 1/2 - 20 x 1-1/4 hex. head	
8	8083592	1 1	GASKET .. Seat to head	
9	8057791	1 1	PLUNGER .. Lower unloader	
10	8057790	1 1	SPRING .. Lower unloader plunger	
11	8057793	1 1	COVER .. Suction unloading valve	
12	8083598	1 1	GASKET .. Valve cover to head	
13	179838	6 6	BOLT .. Upper plunger cover mtg. - 3/8 - 16 x 7/8 hex. head	
*14	8091459	1 1	VALVE KIT .. Piston type - All metal unloader	
15	8120268	1 1	PLUNGER .. Upper unloader	
16	8120259	1 1	RING .. Upper plunger	
17	8120265	1 1	SPRING .. Upper plunger	
18	8120269	1 1	COVER .. Upper plunger	
19	8120273	1 1	CAP .. Valve cover	
20	8120270	1 1	GASKET .. Upper plunger cover	
21	8120257	1 1	GASKET .. Cap to cover	
22	179881	2 2	BOLT .. Cap mounting - 1/2 - 13 x 1 hex. head	

PRESSURE AND SUCTION VALVES

Vacuum Cylinder Suction Unloading Valve

G16U,G16W,G18U,GA18,GL18M,G22W,G22CU,G22CW,
GL22C,GT22CW,JT22CW and GT26CW-2 Locomotives



Ref. No. 1
PLATE B1161-E-3

Ref. No.	Part Number	No. Req.	Description	Compressor Application
1	8067160	A	VALVE ASY. .. Vacuum suction unloading	All ABOV except 8102,8103 - ADJV 8000 only - All WXOV Except 8102,8103
1	8497566	B	VALVE ASY. .. Vacuum suction unloading	ABOV 8102,8103 only - ADJV 8101,8103 - WXOV 8102,8103 only
2	8083589	1	SEAT .. Suction valve	
2		1	SEAT .. Suction valve	
3	8063274	1	DISC .. Valve - Inner suction	
4	8083590	1	DISC .. Valve - Outer suction	
5	8246382	6	SPRING .. Suction - Stainless steel - Flat wire	
5	8063275	6	SPRING .. Suction - Spring steel	
5	9098117	6	SPRING .. Suction - Teflon bumpers - Formerly 8433090	
6	8083591	1	BUMPER ASY.... Suction valve	
6	8497571	1	BUMPER ASY. .. Suction valve	
7	181429	1	BOLT .. Bumper mounting - 1/2 - 20 x 1-1/4 hex. head	
8	8083592	1	GASKET .. Seat to head	
9	8204524	1	CLAMP .. Suction valve	
10	9433101	1	SCREW .. Set - Clamp mtg. - 5/8 - 11 x 4-3/4 sq. hd. oval point	
11	8038970	1	PLATE .. Suction valve cover - Formerly 8083606	
12	8107324	1	GASKET .. Cover plate to head	
13	8083298	1	GASKET .. Set screw to cover plate - Formerly 8063306	
14	8038969	1	NUT... Crown - 5/8 - 11 hex.	

P.L. No. D1161-E

PRESSURE AND SUCTION VALVES

High Pressure Cylinder Discharge Valve

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,
GT22CU,GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives

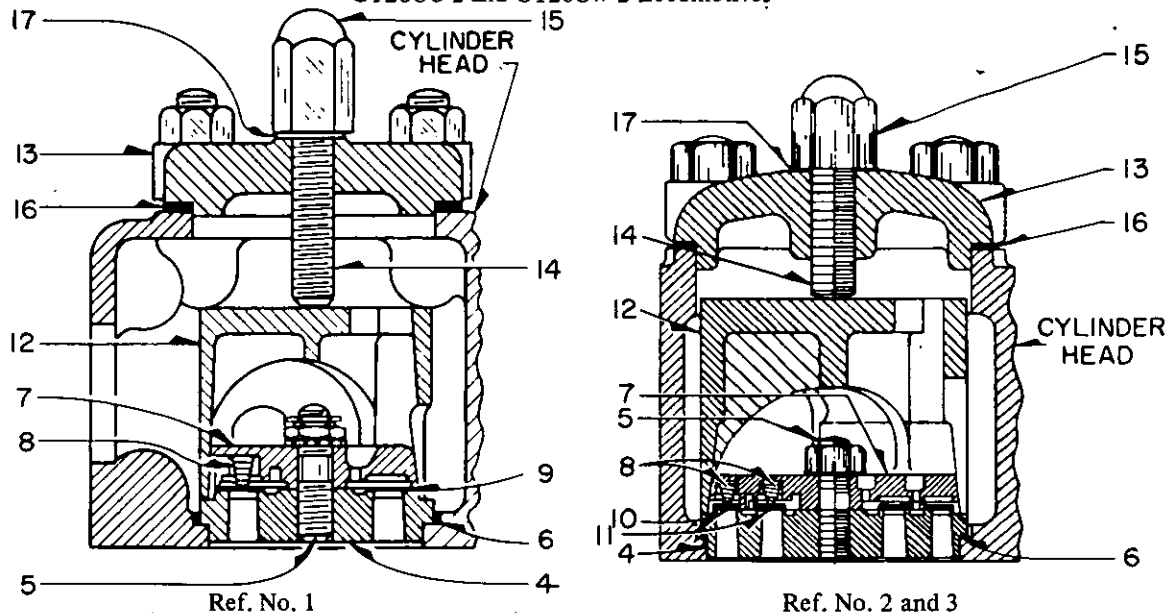


PLATE C1161-E-4

Ref. No.	Part Number	No. Req.	Description	Compressor Application
1	8038999	A -	VALVE ASY. .. Discharge - High pressure	ABOV,ADJV
2	8033552	- B -	VALVE ASY. .. Discharge - High pressure	WXOV,WBO,WBG
3	8424969	- C -	VALVE ASY. .. Discharge - High pressure 9 spring	WBO and WBG
4	8039100	1 -	SEAT ASY. .. Valve	
4	8063301	- 1 -	SEAT ASY. .. Valve	
4		- 1 -	SEAT ASY. .. Valve	
5	8360634	1 1 1	STUD .. Valve seat - Special	
6	8039103	1 -	GASKET .. Valve seat to head	
6	8063286	- 1 1	GASKET .. Valve seat to head	
7	8039102	1 -	BUMPER .. Valve	
7	8083294	- 1 -	BUMPER .. Valve	
7	9081202	- - 1	BUMPER .. Valve	
φ 8	8246382	3 6 -	SPRING .. Discharge valve - Stainless steel - Flat wire	
φ 8	8063275	3 6 -	SPRING .. Discharge valve - Spring steel	
8	9098117	- - 9	SPRING .. Discharge valve - Teflon bumpers - Formerly 8433090	
9	8038988	1 -	DISC .. Valve	
10	8053273	- 1 1	DISC .. Valve - Outer discharge	
11	8063274	- 1 1	DISC .. Valve - Inner discharge	
12	8039104	1 -	CLAMP .. Valve seat	
12	8063304	- 1 1	CLAMP .. Valve seat	
13	8039107	1 -	PLATE .. Cover	
13	8083300	- 1 1	PLATE .. Cover	
14	138880	1 -	SCREW .. Set - Clamp - 5/8 - 11 x 3 hex. socket oval point	
14	138877	- 1 1	SCREW .. Set - Clamp - 5/8 - 11 x 2-1/4 hex. socket oval point	
15	8038969	1 1 1	NUT .. Crown - Clamp set screw - 5/8 - 11 hex.	
16	8107326	1 -	GASKET .. Cover plate to head	
16	8107325	- 1 1	GASKET .. Cover plate to head	
17	8083298	1 1 1	GASKET .. Crown nut to cover plate	

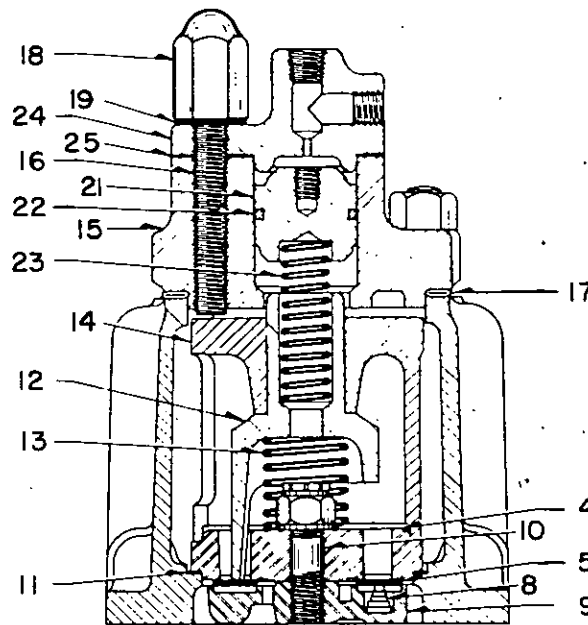
† Required to operate compressor at 950 R.P.M. Installed on all compressor shipped after April, 1975. 6 spring valves can be converted to 9 spring by ordering 1 - 9081202 bumper and 9 - 9098117 springs.

P.L. No. D1161-E

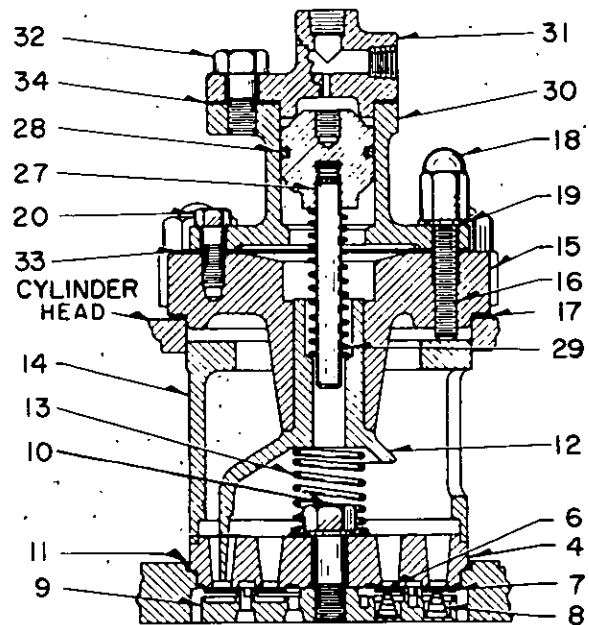
PRESSURE AND SUCTION VALVES

High Pressure Cylinder Suction Unloading Valve

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,
GT22CU,GT22CW,JT22CW,GT26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1



Ref. No. 2 and 3

PLATE A1161-E-5

Ref. No.	Part Number	No. Req.	Description	Compressor Application
1	8038986	A -	VALVE ASY. .. High pressure suction unloading	ABOV,ADJV
2	8067161	B -	VALVE ASY. .. High pressure suction unloading	WXOV,WBO and WBG
3	9319946	C -	VALVE ASY. .. High pressure suction unloading	Prior to Ser. No. 679330
4	8038987	1 -	SEAT .. Valve	WBO and WBG starting with
4	8083284	1 -	SEAT .. Valve	Ser. No. 679330
4	8038988	1 -	SEAT .. Valve	
5	8038988	1 -	DISC .. Valve - Suction	
6	8063274	1 -	DISC .. Valve - Inner suction	
7	8063273	1 -	DISC .. Valve - Outer suction	
8	8246382	3 -	SPRING .. Suction valve - Stainless steel - Flat wire	
8	8063275	3 -	SPRING .. Suction valve - Spring steel	
8	9098117	6 -	SPRING .. Suction valve - Teflon bumpers - Formerly 8433090	
9	8038989	1 -	BUMPER ASY. .. Suction valve	
9	8083285	1 -	BUMPER ASY. .. Suction valve	
9	8083285	1 -	BUMPER ASY. .. Suction valve	
10	181429	1 -	BOLT .. Bumper mounting - 1/2 - 20 x 1-1/4 hex. head	
11	8039103	1 -	GASKET .. Seat to head	
11	8063286	1 -	GASKET .. Seat to head	
12	8120266	1 -	PLUNGER .. Lower unloader	
12	8057452	1 -	PLUNGER .. Lower unloader	
13	8057790	1 -	SPRING .. Lower plunger	
14	8120264	1 -	CLAMP .. Lower unloader plunger	
14	8057796	1 -	CLAMP .. Lower unloader plunger	
15	8120263	1 -	PLATE .. Cover	
15	8057798	1 -	PLATE .. Cover	
16	138807	2 -	SCREW .. Set - 1/2 - 13 x 3-1/4 socket head oval point	
16	138722	3 -	SCREW .. Set - 3/8 - 16 x 2-1/4 socket head oval point	
17	8107326	1 -	GASKET .. Cover plate to head	
17	8107325	1 -	GASKET .. Cover plate to head	

P.L. No. D1161-E

PRESSURE AND SUCTION VALVES

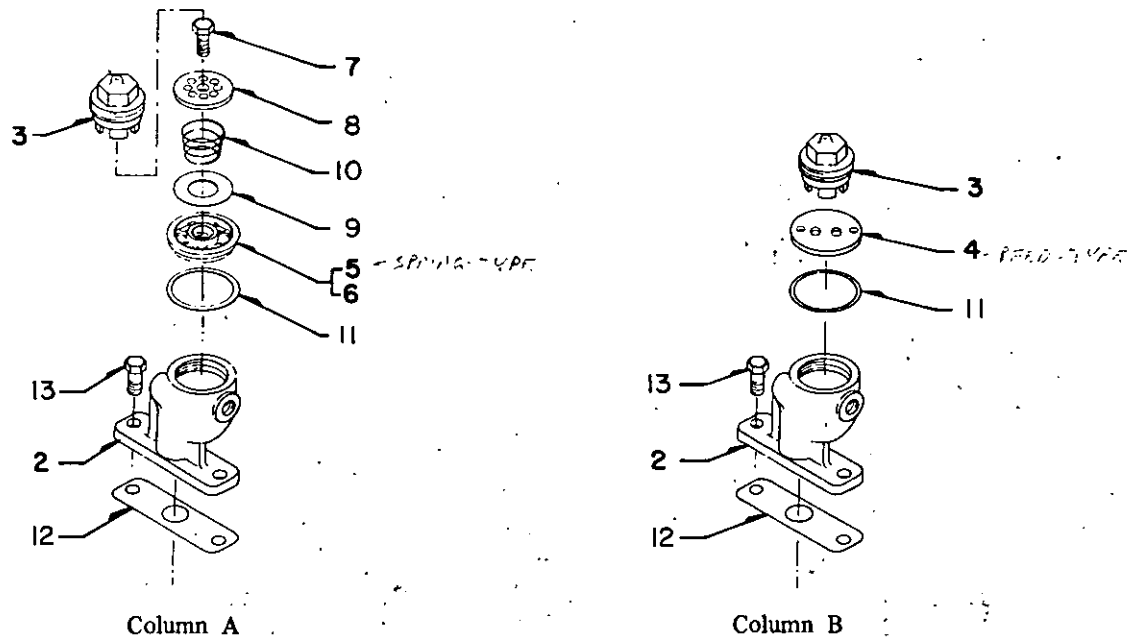
Ref. No.	Part Number	No. Req.	Description		
----			A	B	C
					VALVE ASY. .. High pressure suction unloading
18	8203858	2	-	-	NUT .. Crown - 1/2 - 13 hex.
18	8083324	-	3	3	NUT .. Crown - 3/8 - 16 hex.
19	8120261	2	-	-	GASKET .. Nut to cover
19	8083325	-	3	3	GASKET .. Nut to cover
20	179838	-	3	3	BOLT .. Upper plunger cover - 3/8 - 16 x 7/8 hex. head
21	8120258	1	-	-	PLUNGER .. Upper
22	8120259	1	-	-	RING .. Upper plunger
23	8120265	1	-	-	SPRING .. Upper plunger
24	8120271	1	-	-	CAP .. Cover plate
25	8120257	1	-	-	GASKET .. Cap to plate
*26	8091460	-	1	1	VALVE KIT .. Piston type
27	8120268	-	1	1	PLUNGER .. Upper unloader
28	8120259	-	1	1	RING .. Upper plunger
29	8120265	-	1	1	SPRING .. Upper plunger
30	8120269	-	1	1	COVER .. Upper plunger
31	8120271	-	1	1	CAP .. Upper plunger cover
32	179881	-	2	2	BOLT .. Upper plunger cover cap - 1/2 - 13 hex. head
33	8120270	-	1	1	GASKET .. Upper plunger cover to plate
34	8120257	-	1	1	GASKET .. Upper plunger cap to cover

Parts List No. C1164-E

CRANKCASE BREATHER AND AIR FILTER

Crankcase Breather

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1
PLATE B1164-E-1

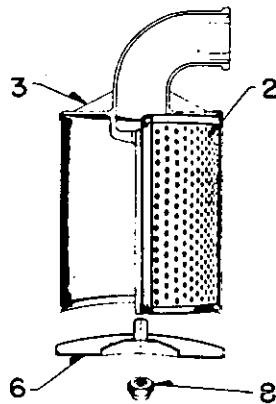
Ref. No.	Part Number	Number Required	Description
		A	All WBO air compressors except 8116,8120
		B	WBO 8116,8120 only
		C	ADJV,WXOV
		D	ABOV
1	8271512	1	BREATHER ASY. .. Crankcase
* 1	8322435	1	BREATHER ASY. .. Crankcase
2	8271125	1	BODY .. Crankcase breather
* 2		1	BODY .. Crankcase breather
3	8238946	1	CAP .. Breather valve
* 3		1	CAP .. Breather valve
4	8238944	1	VALVE ASY. .. Crankcase breather
4	9519501	1	VALVE ASY. .. Crankcase breather
5	8238943	1	SEAT ASY. .. Breather valve
6	8238942	1	SEAT .. Valve
7	181361	1	BOLT .. Adjusting - 3/8 - 24 x 7/8 hex. head
8	8238938	1	BUMPER .. Breather valve
9		1	DISC .. Valve - Formerly 8238937
10	8238936	1	SPRING .. Valve
11	8238935	1	GASKET .. Valve seat to body
11		1	GASKET .. Valve seat to body
+ 12	8083579	1	GASKET .. Valve body to crankcase
+*12	8068804	1	GASKET .. Valve body to crankcase
+ 13	179882	2	BOLT .. Breather mounting - 1/2 - 13 x 1-1/8 hex. head
+*13	271556	2	BOLT .. Breather mounting - 5/8 - 11 x 1-1/4 hex. head - Repl. 100183
+*14	8317897	1	SEAL .. Crankcase breather - Wire - Approx. 16 in. long

P.L. No. C1164-E

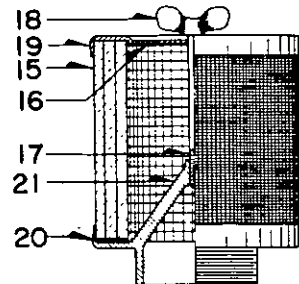
CRANKCASE BREATHER AND AIR FILTERS

Air Filters

G16U,G16W,G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,
GT22CU,GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,
GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1



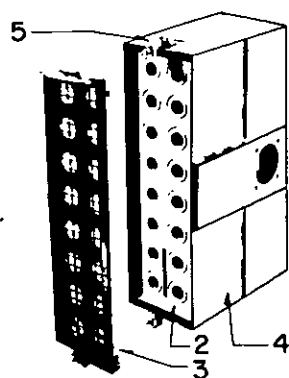
Ref. No. 14

PLATE C1164-E-2

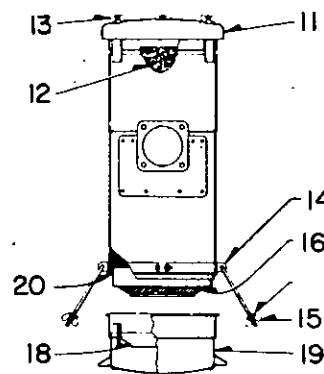
Ref. No.	Part Number	No. Req.	Description			
			A	B	C	D
φ 1	8402067	1	-	-	-	FILTER ASY. ... Dry - WXOV 8002,8007 - WBO 8028,8032,8042,8043 - WBG 8016,8021,8024 - ABOV 8004
φ 1	9330537	1	-	-	-	FILTER ASY. ... Dry - WXOV 8002,8007 - WBO 8028,8032,8042,8043 - WBG 8016,8021,8024 - ABOV 8004
1	8457272	-	1	-	-	FILTER ASY. ... Dry - GT26CW-2
1	8495171	-	-	1	-	FILTER ASY. ... Dry - GL18M
* 1	9096702	-	-	-	1	FILTER ASY. ... Dry - JT22CW-2
φ 2	8402068	1	1	1	1	ELEMENT .. Fiber glass and dacron
φ 2	9330535	1	1	1	1	ELEMENT .. Paper - Pleated
3	8387210	1	-	-	-	BODY .. Filter - Incl. elbow, shroud and stud
* 3		-	1	-	-	BODY .. Filter - Incl. elbow, shroud and stud
* 3		-	-	1	-	BODY .. Filter - Incl. elbow, shroud and stud
* 4		-	-	-	1	HOOD ASY. ... Shroud
* 5		-	-	-	1	ELBOW .. Filter mounting
6	8402069	1	-	1	-	PLATE .. Retainer - Element
* 6		-	1	-	-	PLATE .. Retainer - Element
* 7		-	1	1	-	WASHER .. Seal
* 7		-	-	-	1	WASHER .. Seal
8	8032747	1	-	-	-	NUT .. Lock - 5/8 - 11 hex.
* 8		-	2	2	-	NUT .. Special
* 9		-	-	-	1	BOLT .. Special
+*10	8067255	1	1	1	-	GASKET .. Filter to manifold
+*10	8082672	-	-	-	1	GASKET .. Filter to manifold
+*11	179843	4	4	4	-	BOLT .. Filter mounting - 3/8 - 16 x 1-1/2 hex. head
+*11	179883	-	-	-	4	BOLT .. Filter mounting - 1/2 - 13 x 1-1/4 hex. head
+*12	103321	4	4	4	-	WASHER .. Lock - 3/8
+*12	103323	-	-	-	4	WASHER .. Lock - 1/2
+*13	102635	4	4	4	-	NUT .. 3/8 - 16 hex.
14	8063315	1				FILTER ASY. ... Dry - ADJV 8000
15	8042720	1				ELEMENT .. Air filter
16	8042723	1				SPREADER .. Filter element
17	8042722	1				STEM .. Filter base
18	8042721	1				NUT .. Wing
19	8042719	1				COVER .. Filter tip
20	8042727	1				GASKET .. Element to base
21	8042724	1				BASE .. Air filter

P.L. No. C1164-E

CRANKCASE BREATHER AND AIR FILTERS



Ref. No. 1



Ref. No. 19

Ref. No. 10

PLATE A1164-E-3

Ref. No.	Part Number	No. Req.	Description
		A B	
1	8347200	1 -	FILTER ASY... Dry - Pamic
* 1	8474740	- 1	FILTER ASY... Dry - Pamic
2	8347199	1 1	ELEMENT .. Pamic cartridge
3	8394393	1 -	RETAINER ASY. .. Element - Including screen
4	8386073	1 -	HOUSING .. Air filter
* 4		- 1	HOUSING .. Air filter
5	8303844	2 -	FASTENER ASY. .. Retainer
+* 6	8067255	1 -	GASKET .. Filter mounting
+* 6	8082672	- 1	GASKET .. Filter mounting
+* 7	179841	4 4	BOLT .. Filter mounting - 3/8 - 16 x 1-1/4 hex. head
+* 8	103321	4 4	WASHER .. Lock - 3/8
+* 9	103341	- 4	WASHER .. Plain - 3/8
10	8157034	1	FILTER ASY... Oil - WXOV 8003 - ABOV 8000,8001
11	8158925	1	HEAD .. Filter oil trap
12	8158927	1	ELEMENT .. Filter oil trap
13	103127	3	NUT .. Wing - Head mounting - 1/4 - 20
14	8158921	1	BAND ASY... Including rod
15	103127	2	NUT .. Wing - Cup mounting - 1/4 - 20
16	8158920	1	SCREEN .. Filter - Body
*17	8158924	1	CUP ASY. .. Air filter
18	8158923	1	DISC .. Filter cup
19	8158922	1	CUP .. Filter
20	8158926	1	GASKET .. Cup to body
+*21	8067255	1	GASKET .. Filter to manifold
+*22	179841	4	BOLT .. 3/8 - 16 x 1-1/4 hex. head - ABOV 8000,8001
+*23	215511	4	BOLT .. 3/8 - 16 x 5-3/4 hex. head - WXOV 8003
+*24	103321	4	WASHER .. Lock - 3/8 - ABOV 8000, 8001

AIR COMPRESSOR FILTER APPLICATION

Parts List No. C1165-E

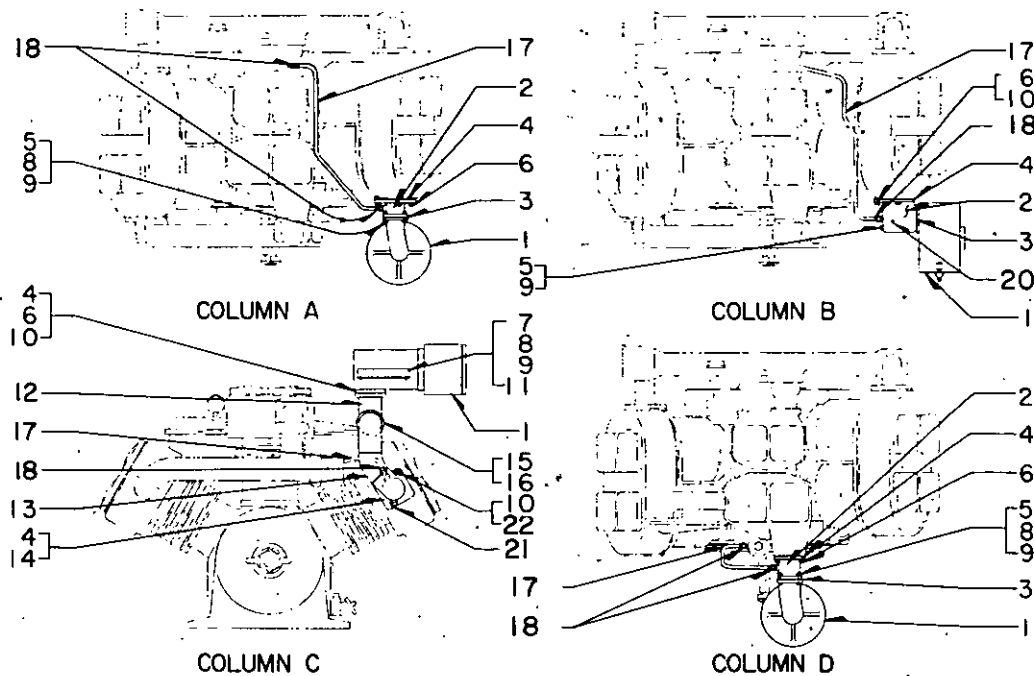
G18U,G22CU,G22CW,GL22C,
GT22CW and JT22CW Locomotives

PLATE B1165-E-1

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
		-	-	-	-	-	-	WXOV - G18U
		-	-	-	-	-	-	WXOV - G22CW
		-	-	-	-	-	-	WXOV - GT22CW
		-	-	-	-	-	-	ADJV - G18U,G22CU
		-	-	-	-	-	-	ABOV - GL22C
		-	-	-	-	-	-	ABOV - JT22CW
1	8402067	1	-	-	1	1	-	FILTER ASY... Dry
1	8347200	-	1	-	-	-	-	FILTER ASY... Pamic dry
1	8474740	-	-	1	-	-	-	FILTER ASY... Pamic dry
* 1	8157034	-	-	-	-	-	1	FILTER ASY... Oil
2	8083609	1	-	-	-	-	-	ELBOW .. Suction
2	8264358	-	1	-	-	-	-	ELBOW .. Suction
2	8272713	-	-	1	-	-	-	ELBOW .. Suction
* 2	9318171	-	-	-	1	-	-	ELBOW .. Suction
3	8067255	1	1	-	1	1	1	GASKET .. Filter to suction elbow
4	8082672	1	1	2	1	1	1	GASKET .. Suction elbow and flange to low pressure head
5	179843	4	-	-	4	4	-	BOLT .. Suction elbow to manifold - 3/8 - 16 x 1-1/2 hex. head
5	186290	-	4	-	-	-	-	BOLT .. Suction elbow to manifold - 3/8 - 16 x 6 hex. head
* 5	179838	-	-	-	-	-	4	BOLT .. Suction pipe to manifold - 3/8 - 16 x 7/8 hex. head
6	179883	4	3	4	4	4	-	BOLT .. Suction elbow to low pressure head and flange to filter - 1/2 - 13 x 1-1/4 hex. head
* 6	179881	-	-	-	-	-	5	BOLT .. Suction pipe to low pressure head and bracket mounting - 1/2 - 13 x 1 - hex. head
7	179841	-	-	4	-	-	-	BOLT .. Filter mounting - 3/8 - 16 x 1-1/4 hex. head

See P.L.
1164

8414330 8473214A 8474646E 8476908 9318173 9310910B

AUGUST, 1980

P.L. No. C1165-E

AIR COMPRESSOR FILTER APPLICATION

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
8	102635	4	-	4	4	4	-	NUT .. 3/8 - 16 hex.
9	103321	4	4	4	4	4	4	WASHER .. Lock - 3/8
10	103323	-	3	8	-	4	5	WASHER .. Lock - 1/2
11	103341	-	-	4	-	-	-	WASHER .. Plain - 3/8
12	8474156	-	-	1	-	-	-	PIPE ASY. .. Filter to hose
13	8474150	-	-	1	-	-	-	PIPE ASY. .. Hose to low pressure head
14	8164152	-	-	1	-	-	-	FLANGE .. Pipe to low pressure head
15	8035717	-	-	1	-	-	-	HOSE .. Filter assembly
16	8048702	-	-	2	-	-	-	CLAMP .. Hose
17	8442510	1	1	-	-	-	-	TUBE .. Vent
17	8474587	-	-	1	-	-	-	TUBE .. Vent
17	8457992	-	-	-	1	-	-	TUBE .. Vent
*17	9318172	-	-	-	-	1	-	TUBE .. Vent
*17	8335818	-	-	-	-	-	1	TUBE .. Vent
18	8206196	2	2	2	2	2	-	UNION .. 3/8 M.P.T. x 1/2 tube
*19	9314571	-	-	-	-	-	2	ELBOW .. Tube - 3/8 tube x 3/8 P.T.
20	103877	-	1	-	-	-	-	PLUG .. Pipe - 1/8 M.P.T. - Square head
21	103879	-	-	1	-	-	-	PLUG .. Pipe - 3/8 M.P.T. - Square head
22	179885	-	-	1	-	-	-	BOLT .. Flange to low pressure head

P.L. No. C1165-E

AIR COMPRESSOR FILTER APPLICATION

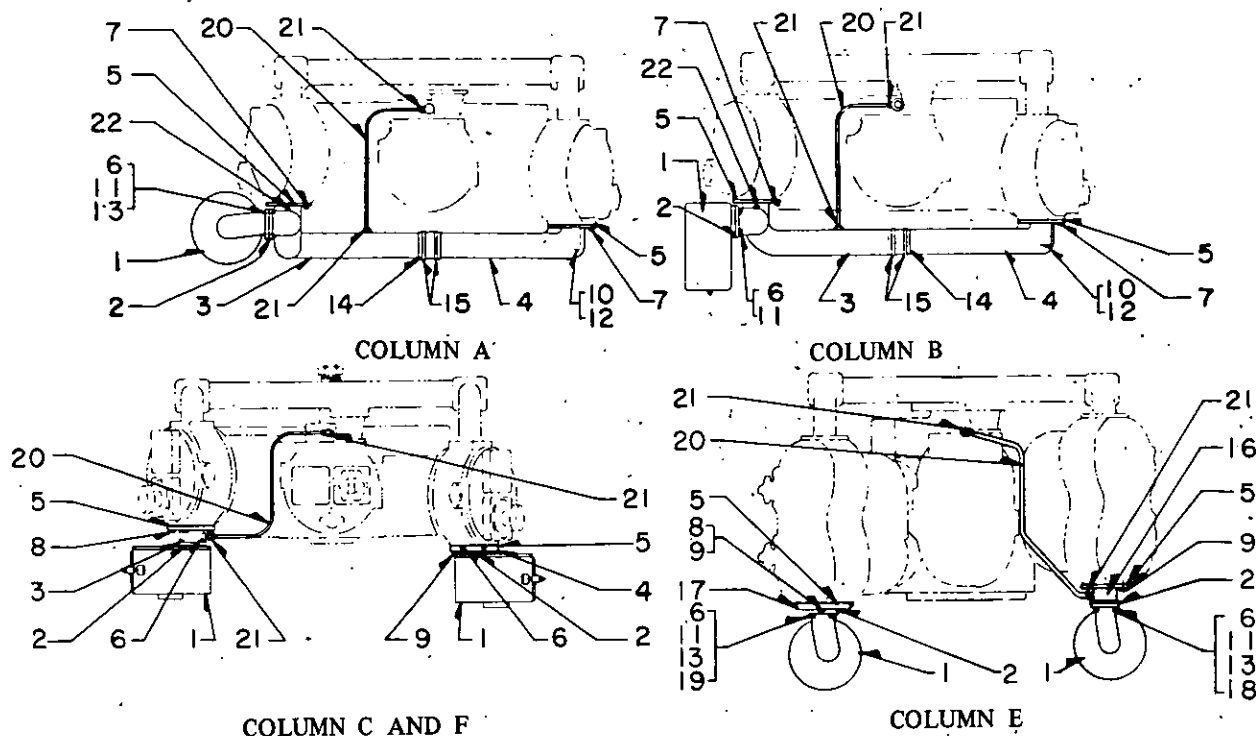
G18U,G18W,G22W,G22CU,G22CW,GT22CU,
JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE B1165-E-2

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	WBO - G18U,G18W,G22W,G22CW,G26CU,G26CW,GT26CW,GT26CU-2, GT26CW-2
								WBO - G22CU
								WBO - GT22CU
								WBO - JT22CW-2
								WBG - G26CW
								WBG - GT26CW
1	8402067	1	-	-	2	-	-	} See P.L. 1164
1	8347200	-	1	2	-	2	-	
* 1	9096702	-	-	-	2	-	-	
2	8067255	1	1	2	2	2	-	GASKET .. Filter to manifold and flange
3	8152431	1	1	-	-	-	-	MANIFOLD .. Filter - Left side
3	8083610	-	-	1	-	-	-	FLANGE .. Filter - Left side
4	8152432	1	1	-	-	-	-	MANIFOLD .. Filter - Right side
4	8188783	-	-	1	-	-	-	FLANGE .. Filter - Right side
5	8082672	2	2	2	2	2	2	GASKET .. Manifold and flange to low pressure head
6	179843	4	-	-	-	-	-	BOLT .. Filter to manifold - 3/8 - 16 x 1-1/2 hex. head
6	179841	-	4	-	-	-	-	BOLT .. Filter to manifold - 3/8 - 16 x 1-1/4 hex. head
6	179839	-	-	4	-	-	-	BOLT .. Filter to left flange - 3/8 - 16 x 1 hex. head
6	138244	-	-	4	-	-	8	BOLT .. Filter to flange - 3/8 - 16 x 1-1/2 hex. socket head - Form. 138242
7	179881	6	6	-	-	-	-	BOLT .. Manifold to head - 1/2 - 13 x 1 hex. head
8	179883	-	-	4	8	-	4	BOLT .. Flange to head - 1/2 - 13 x 1-1/4 hex. head
9	179885	-	-	4	-	8	4	BOLT .. Flange to head - 1/2 - 13 x 1-1/2 hex. head
10	187152	2	2	-	-	-	-	BOLT .. Right manifold to head - 1/2 - 13 x 5 hex. head

8434978A 8434260B 8471174 8435185A 8435049B 9315432

AUGUST, 1980

C1165-E

P.L. No. C1165-E

AIR COMPRESSOR FILTER APPLICATION

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
11	103321	4	4	-	-	8	-	WASHER .. Lock - 3/8
*11	103323	-	-	-	8	-	-	WASHER .. Lock - 1/2
12	116105	2	2	-	-	-	-	WASHER .. Plain - 1/2 - Copper
13	102635	4	-	-	-	8	-	NUT .. 3/8 - 16 hex.
14	8171563	1	1	-	-	-	-	HOSE .. Rubber - Manifold to manifold
15	8430945	2	2	-	-	-	-	CLAMP .. Worm drive - Hose - Adj. from 3-1/16 to 4 I.D.
16	8083609	-	-	-	-	1	1	FLANGE .. Filter - Right hand
17	8428187	-	-	-	-	1	1	FLANGE .. Filter - Left hand
18	179845	-	-	-	-	4	-	BOLT .. Right filter to flange - 3/8 - 16 x 1-3/4 hex. head
19	138246	-	-	-	-	4	-	BOLT .. Left filter to flange - 3/8 - 16 x 2 hex. head
20	8361346	1	1	-	-	-	-	TUBE .. Manifold to breather - Approx. 21 in. long
20	8444732	-	-	1	-	-	-	TUBE .. Manifold to crankcase vent plate - Approx. 26 in. long
*20	9315430	-	-	-	1	-	-	TUBE .. Manifold to breather - Approx. 28 in. long
20	8434964	-	-	-	-	1	1	TUBE .. Flange to crankcase vent plate - Approx. 37 in. long
21	8206196	2	2	2	2	2	2	UNION .. 3/8 M.P.T. x 1/2 tube
22	103878	1	1	-	-	-	-	PLUG .. Pipe - 1/4 square head

AIR COMPRESSOR FILTER APPLICATION

GL18M Locomotives

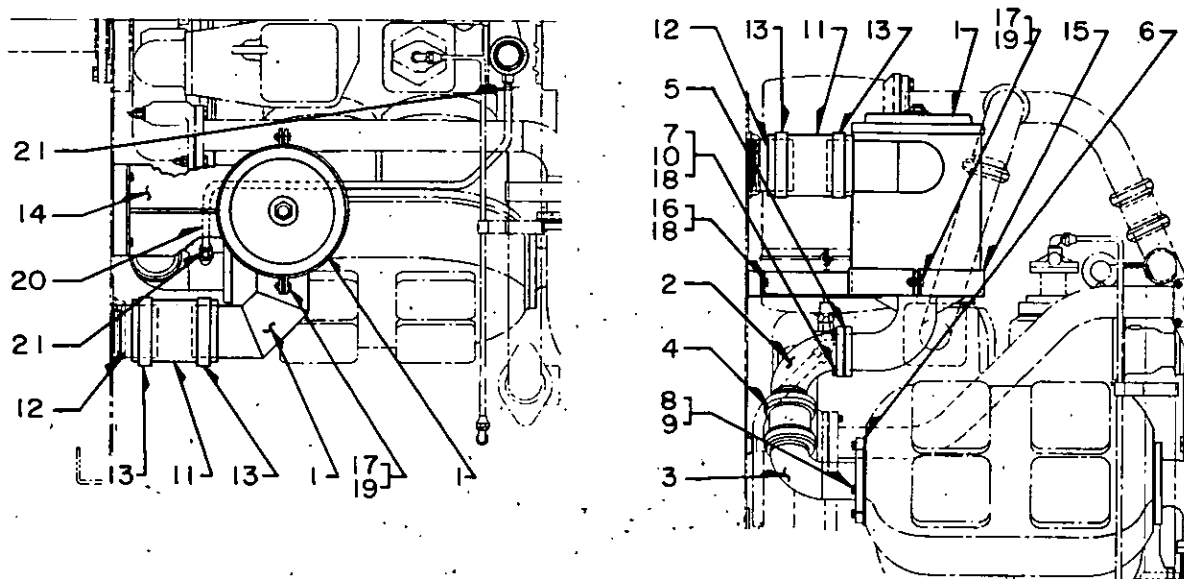


PLATE A1165-E-3

Ref. No.	Part Number	No. Req.	Description
WXOV - GL18M			
1	8495171	1	FILTER ASY. .. Air intake - See P.L. 1164
2	9329921	1	PIPE .. Filter to coupling
3	9329922	1	PIPE .. Compressor to coupling
4	8392458	1	COUPLING ASY. .. Flexible - 2-1/2 in. - See P.L. 1801
5	8067255	1	GASKET .. Filter to pipe
6	8082672	1	GASKET .. Pipe to compressor
7	179843	4	BOLT .. Filter to pipe - 3/8 - 16 x 1-1/2 hex. head
8	179885	4	BOLT .. Compressor to pipe - 1/2 - 13 x 1-1/2 hex. head
9	103323	4	WASHER .. Lock - 1/2
10	102635	4	NUT .. 3/8 - 16 hex.
11	8035719	1	HOSE .. 4 in. I.D. x 6 in. long
12	8152965	1	NIPPLE .. Pipe - 3-1/2 M.P.T. x 4 in. long - Threaded one end
13	8048703	2	CLAMP .. Hose - Adjustable from 4.54 to 4.84 in. I.D.
14	9329916	1	BRACKET ASY. .. Filter support
15	9329913	1	CLAMP .. Filter retaining
16	179841	2	BOLT .. Bracket mounting - 3/8 - 16 x 1-1/4 hex. head
17	179839	2	BOLT .. Clamp retaining - 3/8 - 16 x 1 hex. head
18	103321	6	WASHER .. Lock - 3/8
19	9416513	2	NUT .. Lock - 3/8 - 16 hex.
20	8474587	1	TUBE .. Breather vent to filter pipe
21	8206196	2	CONNECTOR .. 3/8 M.P.T. x 1/2 in. tube - Brass

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P.L. No. C1165-E

AIR COMPRESSOR FILTER APPLICATION

GT26CW-2 Locomotives

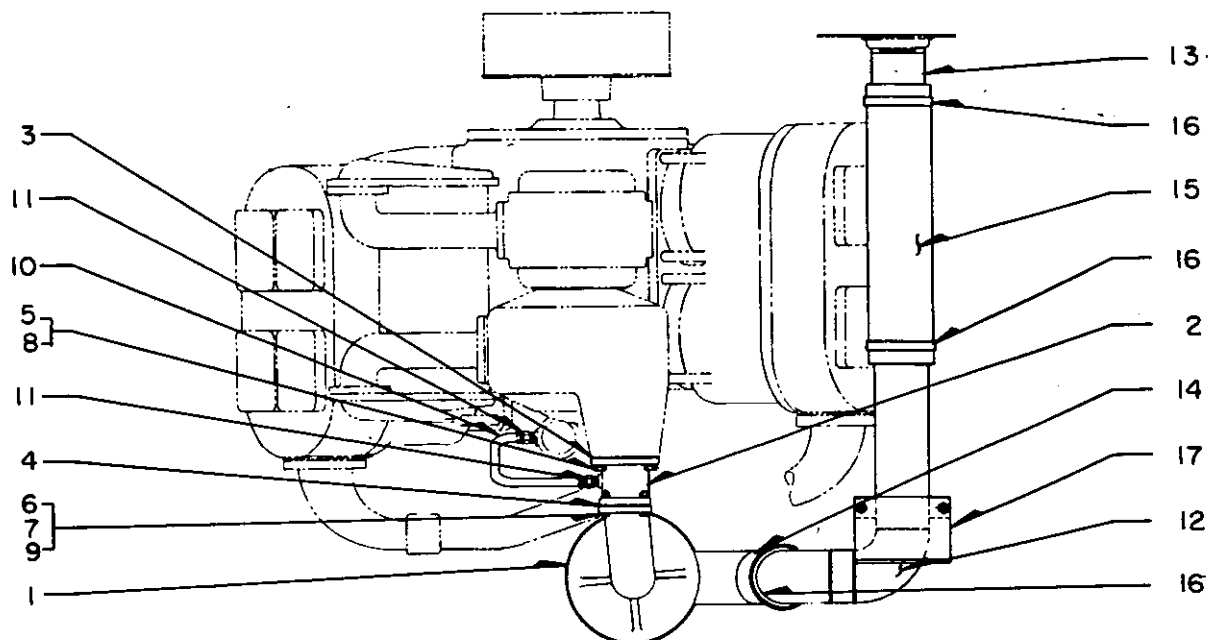


PLATE A1165-E4

Ref. No.	Part Number	No. Req.	Description
ADJV - GT26CW-2			
1	8457272	1	FILTER ASY. .. Air intake - See P.L. 1164
2	8272713	1	FLANGE .. Connector - Filter to low pressure head
3	8082672	1	GASKET .. Flange to low pressure head
4	8067255	1	GASKET .. Filter to flange
5	179883	4	BOLT .. Flange mounting - 1/2 - 13 x 1-1/4 hex. head
6	179843	4	BOLT .. Filter mounting - 3/8 - 16 x 1-1/2 hex. head
7	103321	4	WASHER .. Lock - 3/8
8	103323	4	WASHER .. Lock - 1/2
9	102635	4	NUT .. 3/8 - 16 hex.
10	8457992	1	TUBE .. Air filter to breather
11	8206196	2	CONNECTOR .. 3/8 M.P.T. x 1/2 tube - Brass
12	9090327	1	PIPE .. 3 - 1/2 in. wrought steel - Includes elbow
13	8457873	1	PIPE .. 3 - 1/2 in. wrought steel - 6 in. long
14	8035719	1	HOSE .. Rubber - 4 I.D. x 4-3/4 O.D. x 6 in. long
15	8457951	1	HOSE .. Rubber - 4 I.D. x 4 - 3/4 O.D. x 21 in. long
16	8048703	4	CLAMP .. T bolt - Hose - Adjustable from 4.54 to 4.84 in. I.D.
17	9090365	1	CLAMP .. "U" type - Pipe support - 3-1/2 in. pipe x 7 in. long

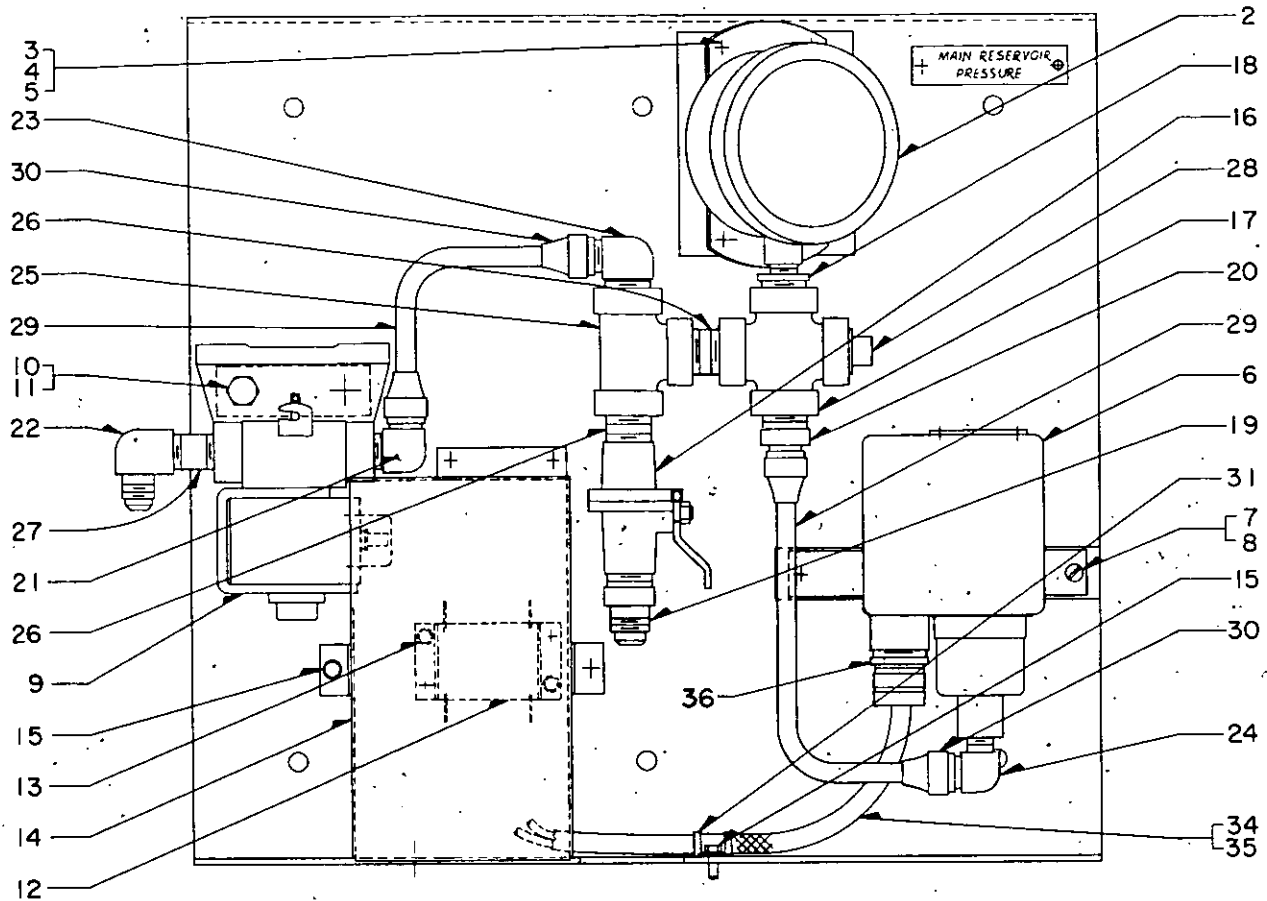
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C1165-E

Parts List No. C1180-E

AIR COMPRESSOR UNLOADER PANEL

GA18 Locomotives



Ref. No. 1

PLATE B1180-E-1

Ref. No.	Part Number	No. Req.	Description
1	8384452	1	PANEL ASY. .. Air compressor unloader.
2	8231593	1	GAUGE .. Air pressure - 0-200 P.S.I. and 0-14 KG/CM ² - See P.L. 1805
3	113956	4	SCREW .. Machine - Gauge mounting - 1/4 - 20 x 5/8 round head
4	103319	4	WASHER .. Lock - 1/4
5	109084	4	NUT .. 1/4 - 20 hex.
6	8358932	1	SWITCH .. Pressure - See P.L. 5524
7	110500	2	SCREW .. Machine - Switch mounting - 10-24 x 1/2 round head
8	106497	2	WASHER .. Lock - No. 10
9	8357441	1	VALVE .. Magnet - See P.L. 4715
10	179843	2	BOLT .. Valve mounting - 3/8 - 16 x 1-1/2 hex. head
11	103321	2	WASHER .. Lock - 3/8
12	8276617	1	RECTIFIER .. (1) 5 - Selenium plates - CR21
13	9419642	2	SCREW .. Tapping - Rectifier mounting - 6-32 x 1/2 hex. washer head
14	8417037	1	COVER .. Rectifier
15	9420156	5	SCREW .. Tapping - Rect. cover mounting - 1/4 - 20 x 1/2 hex. washer head
8416240			

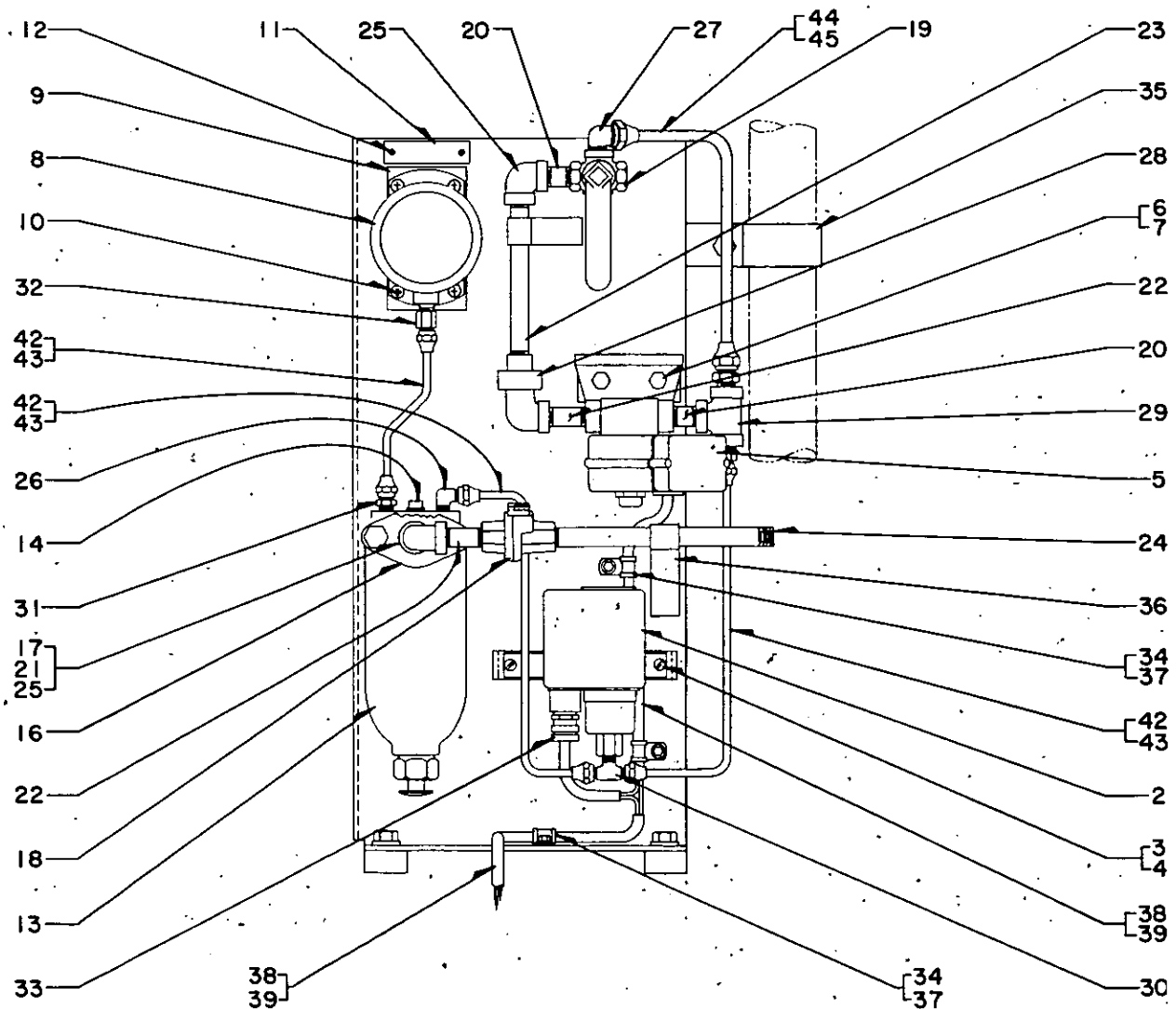
P.L. No. C1180-E

AIR COMPRESSOR UNLOADER PANEL

Ref. No.	Part Number	No. Req.	Description
-	8384452	1	PANEL ASY. .. Air compressor unloader
16	8379840	1	VALVE .. Ball cock - 1/2 F.P.T.
17	8070312	1	CROSS .. Pipe - 1/2 F.P.T.
18	144045	1	BUSHING .. Pipe reducing - 1/4 F.P.T. x 1/2 M.P.T.
19	8027428	1	CONNECTOR .. 1/2 M.P.T. x 1/2 tube
20	8037261	1	CONNECTOR .. 1/2 M.P.T. x 3/8 tube
21	8039196	1	ELBOW .. 3/8 M.P.T. x 3/8 tube - 90°
22	8040350	1	ELBOW .. 3/8 F.P.T. x 3/8 tube - 90°
23	8040339	1	ELBOW .. 1/2 M.P.T. x 3/8 tube - 90°
24	118755	1	ELBOW .. 1/4 F.P.T. x 3/8 tube - 90°
25	8042834	1	TEE .. Pipe - 1/2 F.P.T.
26	8060973	2	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long
27	8060972	1	NIPPLE .. Pipe - 3/8 M.P.T. x 1-1/2 in. long
28	103880	1	PLUG .. 1/2 M.P.T. - Square head
29	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper - 20 ft. (Approx. 15 in. required)
30	121758	4	NUT .. 3/8 tube
31	8168447	1	CLAMP .. Cable - Insulated - 3/8 in.
*32	8189218	2	LUG .. Insulated crimp type - No. 6 stud hole dia. - Blue
*33	8250906	6	TERMINAL .. Faston tab - Blue insulation - No. 14 AWG.
34	8468611	AR	CABLE .. 14 AWG. - LF insul. - 500 ft. roll (Approx. 5 ft. required)
35	8391550	AR	LOOM .. Cable - 3/8 I.D. - (Approx. 1 ft. required) - Formerly 8116823
36	8250161	1	BUSHING .. Cable strain relief
*37	8416241	2	BRACKET .. Panel mounting
*38	179817	6	BOLT .. Panel mounting - 5/16 - 18 x 7/8 hex. head
*39	103320	6	WASHER .. Lock - 5/16
*40	8410797	6	NUT .. Well - 5/16 - 18 - Special
*41	179881	4	BOLT .. Bracket mounting - 1/2 - 13 x 7/8 hex. head
*42	103323	4	WASHER .. Lock - 1/2

AIR COMPRESSOR UNLOADER PANEL

JT22CW Locomotives



Ref. No. 1
PLATE A1180-E-2

Ref. No.	Part Number	No. Req.	Description
1	9314421	1	PANEL ASY. .. Air compressor unloader
2	8358932	1	SWITCH .. Pressure - See P.L. 5524
3	110500	2	SCREW .. Machine - 10-24 x 1/2 round head
4	106497	2	WASHER .. Lock - No. 10
5	8461941	1	VALVE .. Magnet - Compressor control - See P.L. 4715
6	179843	2	BOLT .. 3/8 - 16 x 1-1/2 hex. head
7	9416513	2	NUT .. Lock - 3/8 - 16 hex.
8	8231593	1	GAUGE .. Pressure - Main reservoir MR - See P.L. 1805
9	8308190	1	BRACKET .. Gauge mounting
10	9419719	4	SCREW .. Tapping - 1/4 - 20 x 1/2 pan head
11	8323057	1	PLATE .. Name - "Main Reservoir Pressure"
12	145372	2	SCREW .. No. 4 x 1/4 round head

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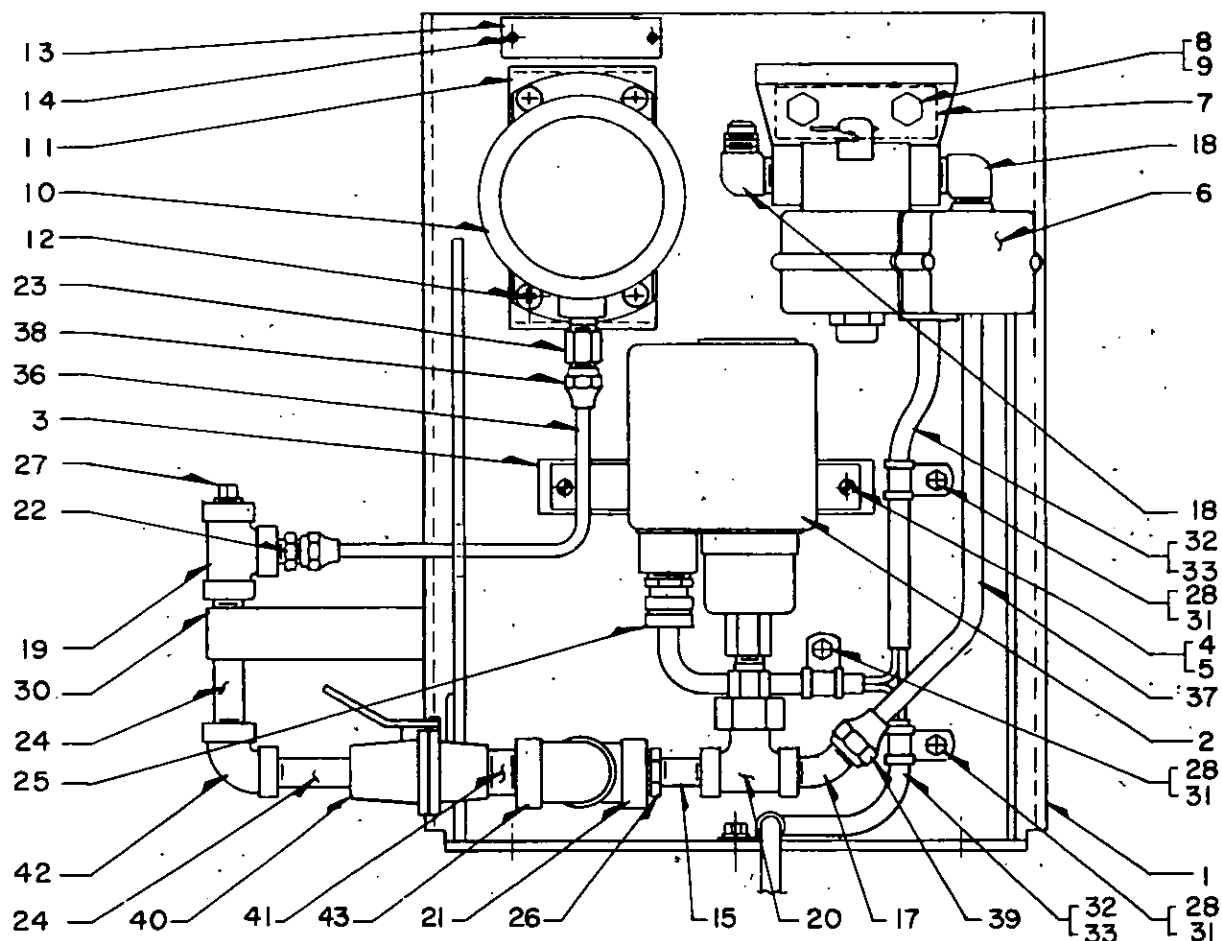
P.L. No. C1180-E

AIR COMPRESSOR UNLOADER PANEL

Ref. No.	Part Number	No. Req.	Description
-	9314421	1	PANEL ASY. .. Air compressor unloader
13	8333051	1	FILTER .. Centrifugal air - See P.L. 1088
14	103878	1	PLUG .. Filter - 1/4 M.P.T. square head
*15	179879	2	BOLT .. Filter mounting - 1/2 - 13 x 3/4 hex. head
16	8173558	1	FLANGE .. Filter
17	8057487	1	GASKET .. Flange to filter
18	8351608	1	VALVE .. Ball - 3/8 F.P.T.
19	8134603	1	VALVE .. 3 way - 3/8 F.P.T.
20	8060972	2	NIPPLE .. Pipe - 3/8 M.P.T. x 1-1/2 in. long
21	8153049	1	NIPPLE .. Pipe - 3/8 M.P.T. x 1-1/2 in. long - Threaded one end only
22	8078165	2	NIPPLE .. Pipe - 3/8 M.P.T. x 2 in. long - Formerly 8058165
23	8149020	1	NIPPLE .. Pipe - 3/8 M.P.T. x 6 in. long
24	8149028	1	NIPPLE .. Pipe - 3/8 M.P.T. x 8 in. long
25	8042824	2	ELBOW .. Pipe - 90° - 3/8 F.P.T. x 3/8 F.P.T.
26	116453	1	ELBOW .. Flared tube - 45° - 1/4 tube x 1/4 M.P.T.
27	8039169	1	ELBOW .. Flared tube - 90° - 3/8 tube - x 3/8 M.P.T.
28	8044167	1	ELBOW .. Pipe - 90° - 3/8 F.P.T. x union
29	8042833	1	TEE .. Pipe - 3/8 F.P.T.
30	8040391	1	TEE .. Tube - 1/4 tube x 1/4 tube x 1/4 M.P.T.
31	116436	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T. - Formerly 115436
32	8040325	1	CONNECTOR .. 1/4 tube x 1/4 F.P.T.
33	8250161	1	BUSHING .. Strain relief - 1/2 M.P.T.
34	8168447	3	CLAMP .. Insulated
35	8430756	1	CLAMP ASY. .. Tube
36	8108211	1	CLAMP ASY. .. Tube hanger
37	9420156	3	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. washer head
38	8468611	AR	CABLE .. 14 AWG. - LF insul. - 500 ft. - (Approx. 5 ft. required)
39	8391550	AR	LOOM .. Cable sleeving - 3/8 I.D. - (Approx. 3 ft. required)
*40	8189218	2	LUG .. Insulated crimp type - No. 6 stud hole dia. - Blue
*41	8250906	2	TERMINAL .. Insulated female faston tab - Blue
42	8098593	AR	TUBING .. 1/4 O.D. x .028 wall copper - 20 ft. long - (Approx. 3 ft. required)
43	116452	6	NUT .. 1/4 tube
44	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper - 20 ft. long - (Approx. 1 ft. required)
45	121758	2	NUT .. 3/8 tube

AIR COMPRESSOR UNLOADER PANEL

G18U,G18W,G22U,G22W,G22CU,G22CW,
GL22C,JT22CW-2,G26CU and G26CW Locomotives



Ref. No. 1
PLATE A1180-E-3

Ref. No.	Part Number	No. Req.	Description
1	8478153	1	PANEL ASY. .. Air compressor unloader
2	8358932	1	SWITCH .. Pressure - See P.L. 5524
3	8231710	1	PAD .. Switch mounting
4	110500	2	SCREW .. Machine - 10-24 x 1/2 round head
5	106497	2	WASHER .. Lock - No. 10
6	8461941	1	VALVE .. Magnet - Compressor control - See P.L. 4715
7	8284417	1	PAD .. Valve mounting
8	179843	2	BOLT .. 3/8 - 16 x 1-1/2 hex. head
9	103321	2	WASHER .. Lock - 3/8
10	8231593	1	GAUGE .. Pressure - Main reservoir MR - See P.L. 1805
11	8308190	1	BRACKET .. Gauge mounting
12	9419719	4	SCREW .. Tapping - 1/4 - 20 x 1/2 pan head
13	8323057	1	PLATE .. Name - "Main Reservoir Pressure" - (English)

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P.L. No. C1180-E

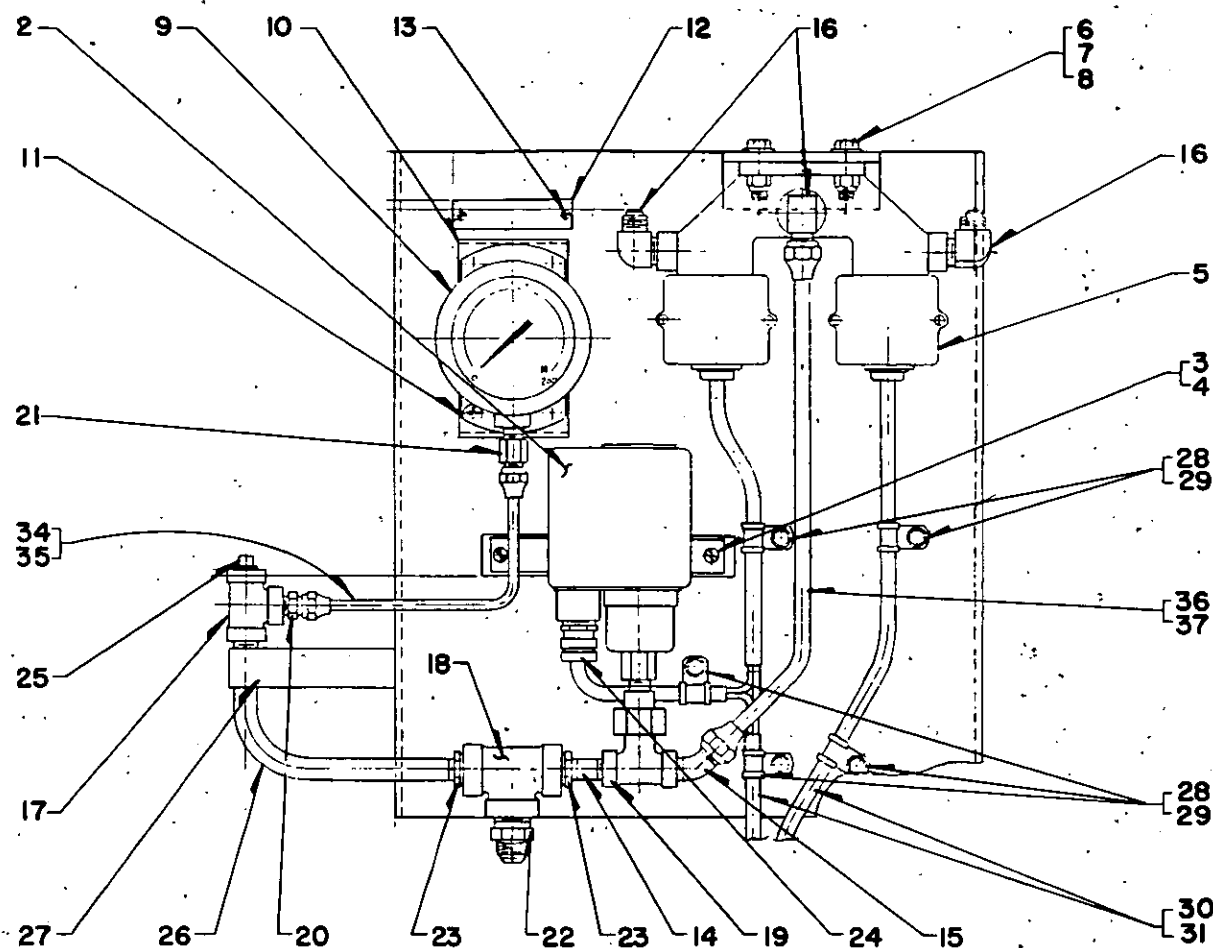
AIR COMPRESSOR UNLOADER PANEL

Ref. No.	Part Number	No. Req.	Description
-	8478153	1	PANEL ASY. .. Air compressor unloader
13	8284115	1	PLATE .. Name - "Main Reservoir Pressure" - (Portugese)
13	8258415	1	PLATE .. Name - "Main Reservoir Pressure" - (Persian)
13	8440495	1	PLATE .. Name - "Main Reservoir Pressure" - (French)
13	8348713	1	PLATE .. Name - "Main Reservoir Pressure" - (Spanish)
13	8293124	1	PLATE .. Name - "Main Reservoir Pressure" - (Arabic)
14	145372	2	SCREW .. No. 4 x 1/4 round head
15	8060971	1	NIPPLE .. Pipe - 1/4 M.P.T. x 1-1/2 in. long
*16	8080073	1	NIPPLE .. Pipe - 1/2 M.P.T. x 2-1/2 in. long
17	8332185	1	ELBOW .. Flared tube - 45° - 3/8 tube x 1/4 M.P.T.
18	8039169	2	ELBOW .. Flared tube - 90° - 3/8 tube x 3/8 M.P.T.
19	8042832	1	TEE .. Pipe - 1/4 F.P.T. x 1/4 F.P.T. x 1/4 F.P.T.
20	8051331	1	TEE .. Pipe union - 1/4 F.P.T. x 1/4 F.P.T. x 1/4 F.P.T.
21	8042834	1	TEE .. Pipe - 1/2 F.P.T. x 1/2 F.P.T. x 1/2 F.P.T.
22	116436	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
23	8040325	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
24	8116673	AR	PIPE .. 1/4 in. extra strong wrought steel - 20 ft. long - (Approx. 1 ft. required)
25	8250161	1	BUSHING .. Strain relief - 1/2 M.P.T.
26	144045	2	BUSHING .. Reducing - 1/2 M.P.T. x 1/4 F.P.T.
27	103878	1	PLUG .. Pipe - 1/4
28	8168447	4	CLAMP .. Insulated - 3/8 I.D.
*29	8108258	1	CLAMP ASY. .. Tube
30	8108208	1	CLAMP ASY. .. Tube and hanger
31	9420156	4	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. washer head
32	8468611	AR	CABLE .. 14 AWG. - LF insulation - 500 ft. roll - Approx. 5 ft. required
33	8391550	AR	SLEEVING .. Cable insulating - Sold per ft. - Approx. 3 ft. required
*34	8189218	2	LUG .. Insulated crimp type - No. 6 stud hole - Blue
*35	8250906	2	TERMINAL .. Insulated female faston tab - Blue
36	8116511	AR	TUBING .. 1/4 O.D. x .042 wall copper - 50 ft. length - Approx. 1 ft. required
37	8116856	AR	TUBING .. 3/8 O.D. x .042 wall copper - 25 ft. length - Approx. 1 ft. required
38	116452	2	NUT .. 1/4 tube
39	121758	2	NUT .. 3/8 tube
40	8379840	1	VALVE .. Ball - 1/2 F.P.T.
41	8060973	1	NIPPLE .. Pipe - 1/2 M.P.T. x 1-1/2 in. long - Extra heavy
42	8042823	1	ELBOW .. Pipe - 90° - 1/4 F.P.T. x 1/4 F.P.T.
43	8042825	1	ELBOW .. Pipe - 90° - 1/2 F.P.T. x 1/2 F.P.T.

} Formerly
Applied

AIR COMPRESSOR UNLOADER PANEL

GT22HW Locomotives



Ref. No. 1

PLATE A1180-E-4

Ref. No.	Part Number	No. Req.	Description
1	9512623	1	PANEL ASY. .. Air compressor unloader
2	8358932	1	SWITCH .. Pressure - See P.L. 5524
3	436732	2	BOLT .. Machine - 10-24 x 1/2 pan head slotted
4	106497	2	WASHER .. Lock - No. 10
5	9329391	1	VALVE .. Magnet - Compressor control - See P.L. 4715
6	179841	2	BOLT .. 3/8 - 16 x 1-1/4 hex. head
7	8032743	2	NUT .. Lock - 3/8 - 16 - Non-metallic
7	9416513	2	NUT .. Lock - 3/8 - 16 - "CLT" - All metal
7	9335108	2	NUT .. Lock - 3/8 - 16 - "Oval" - All metal
8	103341	2	WASHER .. 3/8 plain
9	8231593	1	GAUGE .. Pressure - Main reservoir MR - See P.L. 1805
10	8308190	1	BRACKET .. Gauge mounting

9512677

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C1180-E

P.L. No. C1180-E

AIR COMPRESSOR UNLOADER PANEL

Ref. No.	Part Number	No. Req.	Description
-	9512623	1	PANEL ASY. .. Air compressor unloader
11	9419719	4	SCREW .. Tapping - 1/4 - 20 x 1/2 pan head
12	8476459	1	PLATE .. Name - "Main Reservoir Pressure"
13	145372	2	SCREW .. No. 4 x 1/4 round head
14	8060971	1	NIPPLE .. Pipe - 1/4 M.P.T. x 1-1/2 in. long
15	8332185	1	ELBOW .. Flared tube - 45° - 3/8 tube x 1/4 M.P.T.
16	8039169	3	ELBOW .. Flared tube - 90° - 3/8 tube x 3/8 M.P.T.
17	8042832	1	TEE .. Pipe - 1/4 F.P.T.
18	8042834	1	TEE .. Pipe - 1/2 F.P.T.
19	8051331	1	TEE .. Pipe union - 1/4 F.P.T. x 1/4 F.P.T. x 1/4 M.P.T.
20	116436	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
21	8040325	1	CONNECTOR .. 1/4 tube x 1/4 F.P.T.
22	8027428	1	CONNECTOR .. 1/2 tube x 1/2 M.P.T.
23	144045	2	BUSHING .. Pipe reducing - 1/4 F.P.T. x 1/2 M.P.T.
24	8250161	1	BUSHING .. Cable strain relief - 1/2 M.P.T.
25	103878	1	PLUG .. Pipe - 1/4 in. square head
26	8116673	AR	PIPE .. 1/4 in. extra strong wrought steel - 20 ft. long - (Approx. 1 ft. required)
27	8108208	1	CLAMP ASY. .. Pipe hanger - 8 in. long
28	8168447	5	CLAMP .. Insulated
29	9420156	5	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. washer head
30	8468611	AR	CABLE .. 14 AWG. - LF insul. - 500 ft. - (Approx. 70 ft. required)
31	8391550	AR	LOOM .. Cable sleeving - 3/8 I.D. - (Approx. 7 ft. required)
*32	8189218	2	LUG .. Insulated crimp type - No. 6 stud hole dia. - Blue
*33	8250906	8	TERMINAL .. Insulated female faston tab - Blue
34	8116511	AR	TUBING .. 1/4 O.D. x .042 wall copper - 50 ft. long - (Approx. 1 ft. required)
35	116452	2	NUT .. 1/4 tube
36	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper - 20 ft. long - (Approx. 2 ft. required)
37	121758	2	NUT .. 3/8 tube

Parts List No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Mounting, Drive Shaft, Flexible Couplings and Guards
 WXOV,ADJV,ABOV and WBO Air Compressors
 G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

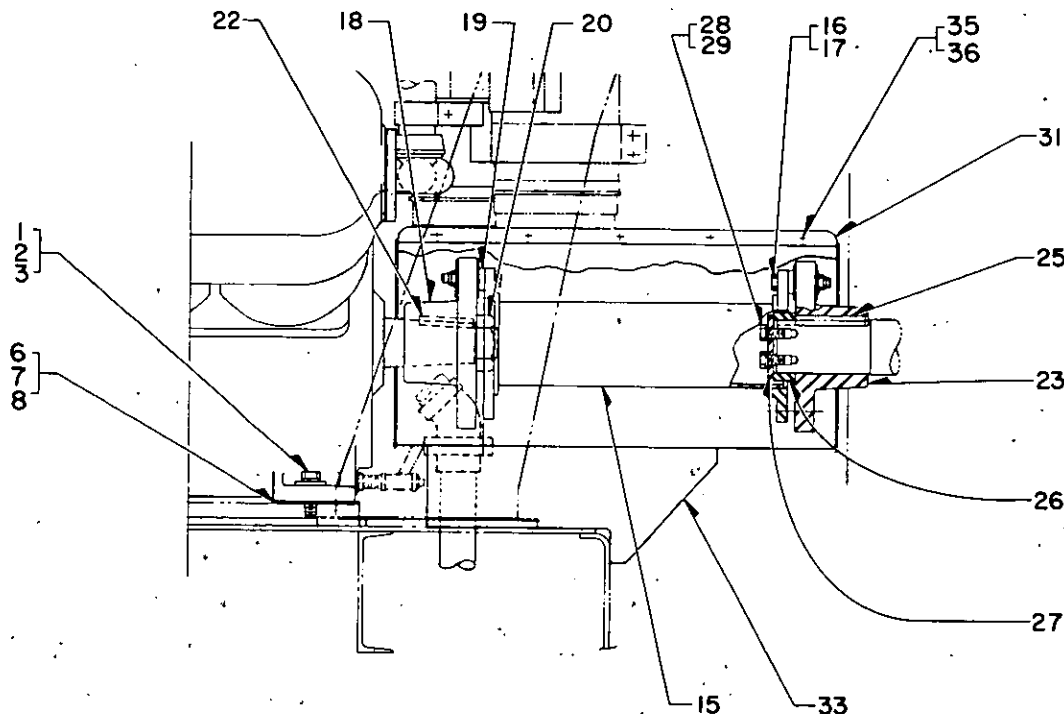


PLATE B1200-E-1

Ref. No.	Part Number	Number Required	Compressor		Description					
			Model	P.L.	Locomotive Application					
		A	-	-	-	-	WXOV	1100	G18U	
		B	-	-	-	-	ADJV	1106	G22CU, GL22C	
		C	-	-	-	-	ABOV	1112	G18U, GL22C	
		D	-	-	-	-	WBO	1144	G18U, G18W	
		E	-	-	-	-	WBO	1144	G22W, G22CU, G22CW	
		F	-	-	-	-	WBO	1144	G22U, G22W, G26CU, G26CW	
1	271614	4	4	4	4	4	BOLT .. Compressor mtg. - 3/4 - 10 x 2-3/4 hex. head			
2	8293623	4	4	4	4	4	WASHER .. Plain - 3/4			
3	8140912	4	4	4	4	4	WASHER .. Special hardened - 3/4			
* 4	8082974	2	2	2	2	2	PIN .. Dowel - Compressor locating			
* 5	102635	2	2	2	2	2	NUT .. Dowel pin - 3/8 - 16 hex.			
6	8309301	A.R.	-	-	-	-	SHIM .. Compressor to underframe - .022 in.	}	5 x 5 in.	
7	8309302	A.R.	-	-	-	-	SHIM .. Compressor to underframe - .065 in.			
8	8309303	A.R.	-	-	-	-	SHIM .. Compressor to underframe - .120 in.			
* 9	8156920	-	-	AR	-	-	SHIM .. Compressor to underframe - .022 in.	}	5 x 3-5/8 in.	
* 10	8156921	-	-	AR	-	-	SHIM .. Compressor to underframe - .065 in.			
* 11	8156922	-	-	AR	-	-	SHIM .. Compressor to underframe - .120 in.			
* 12	8082985	-	-	-	As Req.	-	SHIM .. Compressor to underframe - .028 in.	}	14-1/8 x 3-1/2 in.	
* 13	8082984	-	-	-	As Req.	-	SHIM .. Compressor to underframe - .065 in.			
* 14	8082983	-	-	-	As Req.	-	SHIM .. Compressor to underframe - .120 in.			
15	8397481	1	-	1	1	-	SHAFT ASY. .. Compressor drive - 16-15/16 in. long			
							Column C - G18U Only			
* 15	8385558	-	1	1	-	-	SHAFT ASY. .. Compressor drive - 19-15/16 in. long			
							Column C - GL22C Only			
* 15	8401845	-	-	-	1	-	SHAFT ASY. .. Compressor drive - 22-7/16 in. long			
* 15	8388348	-	-	-	-	1	SHAFT ASY. .. Compressor drive - 21-7/8 in. long			
8386086E, 8392767S, 8396611D, 8401703P, 8405865K, 8419529N, 8424950B, 8488821B, 9091909E, 9317000E										

8386086E,8392767S,8396611D,8401703P,8405865K,8419529N,8424950B,8488821B,9091909E,9317000E

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
16	181465	20	20	20	20	20	20	BOLT .. Shaft to coupling - 9/16 - 18 x 3-1/2 hex. head
φ 17	8032720	20	20	20	20	20	20	NUT .. Lock - 9/16 - 18 - Non-metallic
φ 17	9416519	20	20	20	20	20	20	NUT .. Lock - 9/16 - 18 "CLT" all metal
φ 17	9335115	20	20	20	20	20	20	NUT .. Lock - 9/16 - 18 - Oval - All metal
18	8291183	1	1	-	-	-	-	COUPLING ASY. .. Flexible - Compressor end
*18	8277954	-	-	1	-	-	-	COUPLING ASY. .. Flexible - Compressor end
*18	8236433	-	-	-	1	1	1	COUPLING ASY. .. Flexible - Compressor end
19	8234958	10	10	10	10	10	10	JOINT .. Center bonded - Rubber bushing
+ 20	8039762	1	1	1	1	1	1	NUT .. Coupling to compressor crankshaft - 2 - 8 hex.
+ 21	102592	1	1	1	1	1	1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket cup point
22	8447774	1	1	-	1	1	1	KEY .. Coupling to comp. crankshaft - 5/8 x 9/16 x 4-1/4 in. - Replaces 8044243 - Column B - G22CU only
*22	8203352	-	1	-	-	-	-	KEY .. Coupling to comp. crankshaft - 5/8 x 9/16 x 3-1/2 in. Column B - GL22C only
*22	8024867	-	-	1	-	-	-	KEY .. Coupling to comp. crankshaft - 5/8 sq. x 4-1/2 in. long
23	8277955	1	1	1	1	1	-	COUPLING ASY. .. Flexible - Generator end
*23	8282572	-	-	-	-	-	1	COUPLING ASY. .. Flexible - Generator end
*24	8234958	10	10	10	10	10	10	JOINT .. Center bonded - Rubber bushing
25	8031040	1	1	1	1	1	-	KEY .. Coupling to generator shaft - 5/8 sq. x 4-1/2 in. lg. - Round end
*25	8203352	-	-	-	-	-	1	KEY .. Coupling to generator shaft - 5/8 x 9/16 x 3-1/2 in. long
26	8263410	1	1	1	1	1	-	SPACER .. Coupling
27	8022672	1	1	1	1	1	-	PLATE .. Retainer - Coupling
*27	8282571	-	-	-	-	-	1	PLATE .. Retainer - Coupling
*28	8397606	4	4	4	4	4	-	BOLT .. Plate mounting - 5/8 - 11 x 1-1/4 drilled hex. head Column B - G22CU only
28	271556	-	4	-	-	-	-	BOLT .. Plate mounting - 5/8 - 11 x 1-1/4 hex. head - Column B - GL22C only
*28	8094180	-	-	-	-	-	4	BOLT .. Plate mounting - 3/4 - 16 x 2-1/4 drilled hex. head
29	103325	-	4	-	-	-	-	WASHER .. Lock - 5/8 - GL22C only
*30	8116378	As Required						WIRE .. Lock - 3/64 dia. x 500 feet - Steel
*31	8397142	2	-	2	-	-	-	GUARD ASY. .. Shaft and coupling
31	8385842	-	1	-	-	-	-	GUARD ASY. .. Shaft and coupling - GL22C only
31	8473301	-	1	1	-	-	-	GUARD ASY. .. Shaft and coupling - Left side - Column B - G22CU only - Column C - GL22C only
*31	8473302	-	1	1	-	-	-	GUARD ASY. .. Shaft and coupling - Right side Column B - G22CU only - Column C - GL22C only
*31	8393142	-	-	-	1	1	1	GUARD ASY. .. Shaft and coupling
*32	8406106	-	-	-	1	-	-	GUARD ASY. .. Generator end coupling
*32	8401847	-	-	-	-	1	-	GUARD ASY. .. Generator end coupling
*32	8393146	-	-	-	-	-	1	GUARD ASY. .. Generator end coupling
33	8385775	-	1	-	-	-	-	SUPPORT .. Guard mounting - Left side - GL22C only
*33	8385774	-	1	-	-	-	-	SUPPORT .. Guard mounting - Right side - GL22C only
*34	8385776	-	1	-	-	-	-	PAD .. Tapping
*35	179837	4	-	-	-	-	-	BOLT .. Guard mounting - 3/8 - 16 x 3/4 hex. head
35	179816	-	10	-	5	5	5	BOLT .. Guard mounting - 5/16 - 18 x 3/4 hex. head
*35	179839	-	-	4	-	-	-	BOLT .. Guard mounting - 3/8 - 16 x 1 hex. head
*36	103321	4	4	4	-	-	-	WASHER .. Lock - 3/8 - Column B - G22CU only
36	103320	-	10	-	-	-	-	WASHER .. Lock - 5/16 - GL22C only
*37	102635	4	4	4	-	-	-	NUT .. 3/8 - 16 hex. - Column C - G22CU only

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Mounting, Drive Shaft, Flexible Couplings and Guards
 WXOV, WBO and WBG Air Compressors
 GA18 and G22CU Locomotives

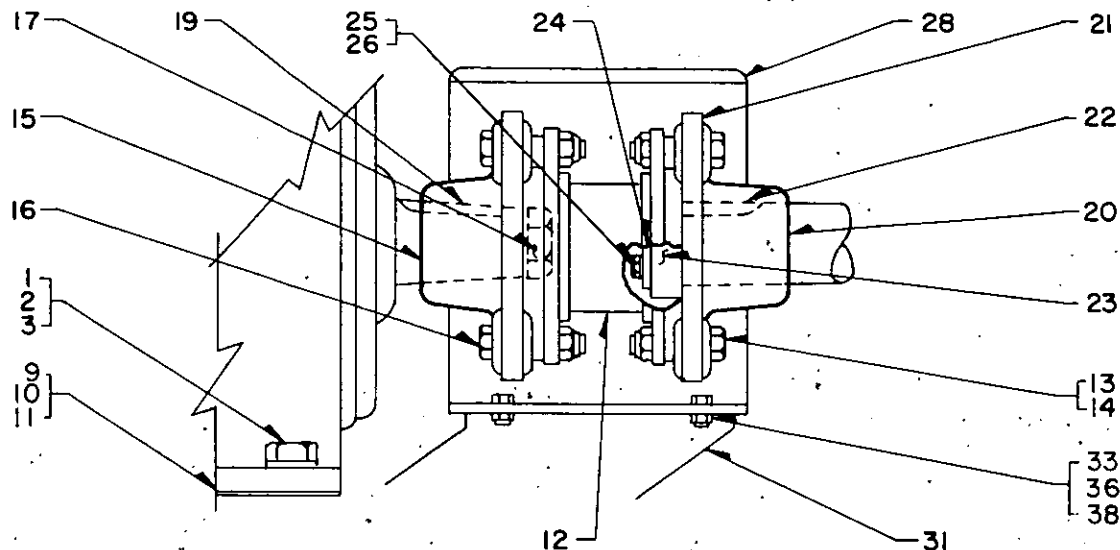


PLATE B1200-E-2

Ref. No.	Part Number	No. Req.	Description		
			Compressor		Locomotive Application
			Model	P.L.	
		A	WXOV	1100	GA18
		B	WBO	1144	GA18
		C	WBG	1144	G22CU
* 1	271614	4 4 -	BOLT .. Compressor mounting - 3/4 - 10 x 2-3/4 hex. head		
1	271615	- - 4	BOLT .. Compressor mounting - 3/4 - 10 x 3 hex. head		
2	8293623	4 4 4	WASHER .. Plain - 3/4		
3	8140912	4 4 4	WASHER .. Special hardened - 3/4		
* 4	8082974	2 2 2	PIN .. Dowel - Compressor locating		
* 5	102635	2 2 2	NUT .. Dowel pin - 3/8 - 16 hex.		
* 6	8309301	AR -	SHIM .. Compressor to underframe - .022 in.		} 5 x 5 in.
* 7	8309302	AR -	SHIM .. Compressor to underframe - .065 in.		
* 8	8309303	AR -	SHIM .. Compressor to underframe - .120 in.		
9	8082985	- A.R.	SHIM .. Compressor to underframe - .028 in.		} 14-1/2 x 3-1/2 in.
10	8082984	- A.R.	SHIM .. Compressor to underframe - .065 in.		
11	8082983	- A.R.	SHIM .. Compressor to underframe - .120 in.		
* 12	8277945	1 1 -	SHAFT ASY. .. Compressor drive - 5-3/8 in. long		
12	8358601	- - 1	SHAFT ASY. .. Compressor drive - 6-3/8 in. long		
13	181465	20 20 20	BOLT .. Shaft to coupling - 9/16 - 18 x 3-1/2 hex. head		
φ 14	8032720	20 20 20	NUT .. Lock - 9/16 - 18 - Non-metallic		
φ 14	9416519	20 20 20	NUT .. Lock - 9/16 - 18 "CLT" all metal		
φ 14	9335115	20 20 20	NUT .. Lock - 9/16 - 18 - Oval - All metal		
15	8291183	1 - 1	COUPLING ASY. .. Flexible - Compressor end		
* 15	8236433	- 1 -	COUPLING ASY. .. Flexible - Compressor end		
16	8234958	10 10 10	JOINT .. Center bonded - Rubber bushing		

8359549B, 8416119G, 8421807B

AUGUST, 1980

C1200-E

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Ref. No.	Part Number	No. Req.			Description
		A	B	C	
+ 17	8039762	1	1	1	NUT .. Coupling to compressor crankshaft - 2 - 8 hex.
+*18	102592	1	1	1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket cup point
19	8447774	1	1	1	KEY .. Coupling to compressor crankshaft - 5/8 x 9/16 x 4-1/4 in. long - Replaces 8044243
20	8277955	1	1	1	COUPLING ASY. .. Flexible - Generator end
21	8234958	10	10	10	JOINT .. Center bonded - Rubber bushing
22	8031040	1	1	1	KEY .. Coupling to generator shaft - 5/8 sq. x 4-1/2 in. lg. - Round end
23	8263410	1	1	1	SPACER .. Coupling
24	8022672	1	1	1	PLATE .. Retainer - Coupling
*25	8397606	4	4	-	BOLT .. Plate mounting - 5/8 - 11 x 1-1/4 drilled hex. head
25	271556	-	-	4	BOLT .. Plate mounting - 5/8 - 11 x 1-1/4 hex. head
26	103325	-	-	4	WASHER .. Lock - 5/8
*27	8116378	A.R.	-	-	WIRE .. Lock - 3/64 dia. x 500 ft. - Steel
*28	8416368	1	1	-	GUARD ASY. .. Shaft and coupling
28	8359202	-	-	1	GUARD ASY. .. Shaft and coupling
*29	8416369	1	1	-	GUARD ASY. .. Shaft and coupling
*29	8287731	-	-	1	GUARD ASY. .. Generator end coupling
*30	8359203	-	-	1	BRACKET .. Guard support - Left side
31	8359204	-	-	1	BRACKET .. Guard support - Right side
*32	179837	3	3	-	BOLT .. 3/8 - 16 x 3/4 hex. head
33	179818	-	-	6	BOLT .. Guard to support - 5/16 - 18 x 1 hex. head
*34	179812	-	-	4	BOLT .. Guard to guard - 5/16 - 18 x 1/2 hex. head
*35	103321	3	3	-	WASHER .. Lock - 3/8
36	103320	-	-	4	WASHER .. Lock - 5/16
*37	102635	3	3	-	NUT .. 3/8 - 16 hex.
38	8135324	-	-	6	NUT .. Lock - 5/16 - 18 flanged

P.L.-No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Mounting, Drive Shaft, Flexible Couplings and Guards
ABOV and WBO Air Compressors
JT22CW and JT22CW-2 Locomotives

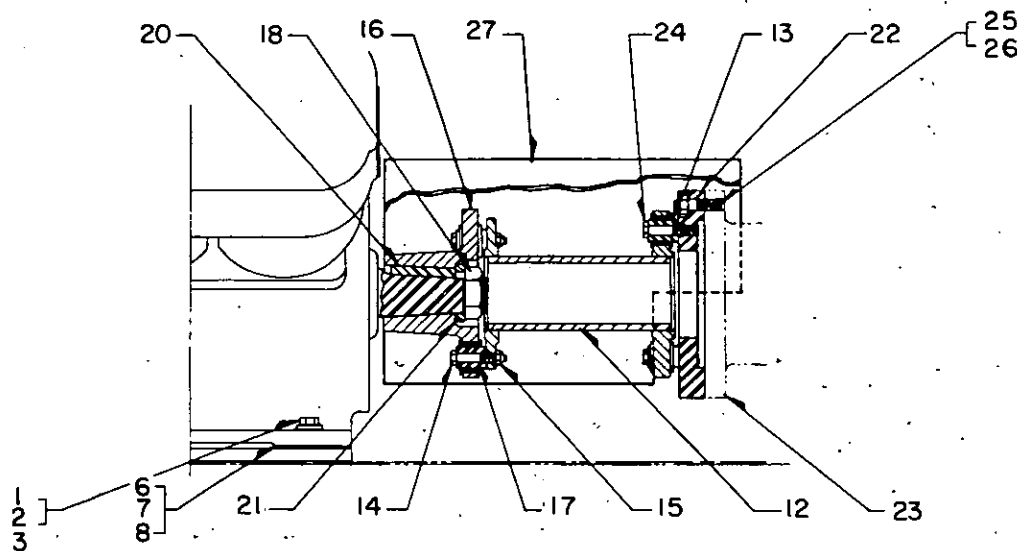


PLATE B1200-E-3

Ref. No.	Part Number	No. Req.	Description		Locomotive Application		
			Model	P.L.			
		A -	ABOV	1112	JT22CW		
		B -	WBO	1144	JT22CW-2		
1	271615	4 -	BOLT .. Compressor mounting - 3/4 - 10 x 3 hex. head				
1	271614	4 -	BOLT .. Compressor mounting - 3/4 - 10 x 2-3/4 hex. head				
2	8293623	4 4	WASHER .. Plain - 3/4				
3	8140912	4 4	WASHER .. Special hardened - 3/4				
* 4	8082974	2 2	PIN .. Dowel - Compressor locating				
* 5	102635	2 2	NUT .. Dowel pin - 3/8 - 16 hex.				
6	8156920	AR -	SHIM .. Compressor to underframe - .022 in.				} 5 x
7	8156921	AR -	SHIM .. Compressor to underframe - .065 in.				
8	8156922	AR -	SHIM .. Compressor to underframe - .120 in.				
* 9	8082985	- AR	SHIM .. Compressor to underframe - .028 in.				} 14 -
* 10	8082984	- AR	SHIM .. Compressor to underframe - .065 in.				
* 11	8082983	- AR	SHIM .. Compressor to underframe - .120 in.				
12	9310907	1 -	SHAFT ASY. .. Compressor drive - 13-1/8 in. long				
12	9339494	- 1	SHAFT ASY. .. Compressor drive - 22-3/32 in. long				
13	8234958	10 10	JOINT .. Center bonded - Rubber bushing				
14	181465	10 10	BOLT .. Shaft to coupling - 9/16 - 18 x 3-1/2 hex. head				
15	443328	10 -	NUT .. 9/16 - 18 hex.				
φ 15	8032720	- 10	NUT .. Lock - 9/16 - 18 - Non-metallic				
φ 15	9416519	- 10	NUT .. Lock - 9/16 - 18 "CLT" all metal				
φ 15	9335115	- 10	NUT .. Lock - 9/16 - 18 - Oval - All metal				
16	8236433	1 1	COUPLING ASY. .. Flexible - Compressor end				
17	8234958	10 10	JOINT .. Center bonded - Rubber bushing				
+ 18	8039762	1 1	NUT .. Coupling to compressor crankshaft - 2 - 8 hex.				
+ * 19	102592	1 1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket cup point				
20	8024867	1 -	KEY .. Coupling to compressor crankshaft - 5/8 sq. x 4-1/2 in. long				
20	8447774	- 1	KEY .. Coupling to compressor crankshaft - 5/8 x 9/16 x 4-1/4 in. long				
21	9314262	1 -	WASHER .. Plain - 2-11/16 I.D. x 3-11/16 O.D. x 5/8 in. thick				
22	9311040	1 1	ADAPTER .. Coupling - Shaft to generator coupling				
+ 23	8462024	1 1	COUPLING .. Alternator				
24	181464	10 10	BOLT .. Shaft to adapter - 9/16 - 18 x 3-1/4 hex. head				
25	271613	12 12	BOLT .. Adapter to generator coupling - 3/4 - 10 x 2-1/2 hex. head				
26	8401884	12 12	WASHER .. Plain - .765 I.D. x 1.312 O.D. x .090 in. thick				
27	9311131	1 -	GUARD ASY. .. Compressor drive shaft				
* 27	9339499	- 1	GUARD ASY. .. Compressor drive shaft				

9310910B, 9339910C

AUGUST, 1980

C1200-E

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Mounting, Drive Shaft and Flexible Couplings
 WXOV,ADJV,WBO and WBG Air Compressors
 GL18M,GT26CW and GT26CW-2 Locomotives

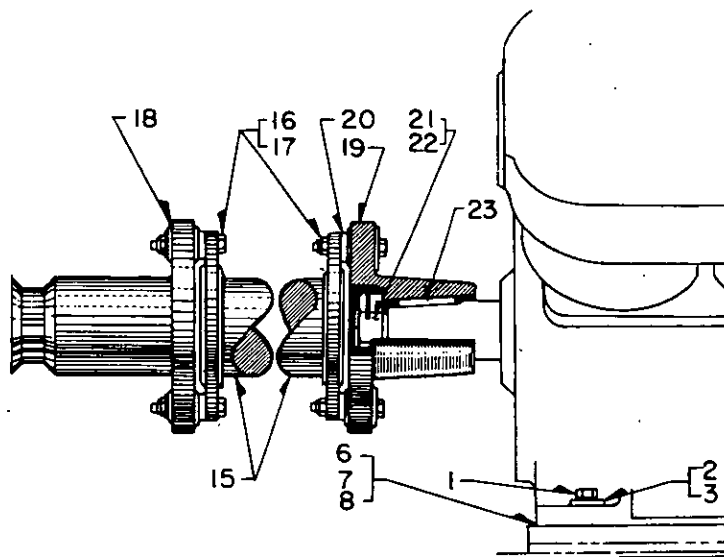


PLATE B1200-E-4

Ref. No.	Part Number	Number Required	Description		Locomotive Application
			Compressor		
			Model	P.L.	
		A - - -	WXOV	1100	GL18M
		- B - -	ADJV	1106	GT26CW-2
		- - C -	WBO	1144	GT26CW
		- - - D	WBG	1144	GT26CW
1	271614	1 1 1 1	BOLT .. Compressor mounting - 3/4 - 10 x 2-3/4 hex. head		
2	8293623	1 4 4 4	WASHER .. Plain - 3/4		
3	8140912	4 4 4 4	WASHER .. Special hardened - 3/4		
* 4	8082974	2 2 2 2	PIN .. Dowel - Compressor locating		
* 5	102635	2 2 2 2	NUT .. Dowel pin - 3/8 - 16 hex.		
6	8309301	A.R. - -	SHIM .. Compressor to underframe - .022 in.		} 5 x 5 in.
7	8309302	A.R. - -	SHIM .. Compressor to underframe - .065 in.		
8	8309303	A.R. - -	SHIM .. Compressor to underframe - .120 in.		
* 9	8302383	- - AR -	SHIM .. Compressor to underframe - .024 in.		} 5 x 15-1/8 in.
*10	8302384	- - AR -	SHIM .. Compressor to underframe - .060 in.		
*11	8302385	- - AR -	SHIM .. Compressor to underframe - .120 in.		
*12	8156920	- - - AR	SHIM .. Compressor to underframe - .022 in.		} 5 x 3-5/8 in.
*13	8156921	- - - AR	SHIM .. Compressor to underframe - .065 in.		
*14	8156922	- - - AR	SHIM .. Compressor to underframe - .120 in.		
*15	9325486	1 - - -	SHAFT ASY. .. Compressor drive - 36-11/16 in. long		
*15	8456600	- 1 - -	SHAFT ASY. .. Compressor drive - 63-7/32 in. long		
15	8234923	- - 1 1	SHAFT ASY. .. Compressor drive - 62-1/8 in. long		
16	181465	20 20 20 20	BOLT .. Shaft to coupling - 9/16 - 18 x 3-1/2 hex. head		
φ 17	8032720	20 20 20 -	NUT .. Lock - 9/16 - 18 - Non-metallic		
φ 17	9416519	20 20 20 -	NUT .. Lock - 9/16 - 18 "CLT" all metal		
φ 17	9335115	20 20 20 -	NUT .. Lock - 9/16 - 18 - Oval - All metal		
17	443328	- - - 20	NUT .. 9/16 - 18 hex.		
18	8323180	1 1 1 1	COUPLING ASY. .. Aux. drive - Tapered - Eng. end - See P.L. 124		
*19	8091183	1 1 - -	COUPLING ASY... Flexible - Compressor end		
19	8236433	- - 1 1	COUPLING ASY. .. Flexible - Compressor end		
20	8234958	10 10 10 10	JOINT .. Center bonded - Rubber bushing		
+ 21	8093762	1 1 1 1	NUT .. Coupling to compressor crankshaft - 2 - 8 hex.		
+ 22	102592	1 1 1 1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket - Cup point		
23	8447774	1 1 1 1	KEY .. Coupling to compressor crankshaft - 5/8 x 9/16 x 4-1/4 in. long		

Refer to Parts List 1007 for Drive Shaft Guards
 9329721C,9090339D,8337467P,8453354C

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Mounting, Drive Shaft, Flexible Couplings, Guards and Piping
WBO Air Compressor
GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE B1200-E-5

Ref. No.	Part Number	No. Req.	Compressor		Locomotive Application
			Model	P.L.	
		A	WBO	1144	GT22CU,GT22CW
		B	WBO	1144	GT26CU-2,GT26CW-2
1	271614	4 4	BOLT .. Compressor mounting - 3/4 - 10 x 2-3/4 hex. head - Formerly 271613		
2	8293623	4 4	WASHER .. Plain - 13/16 I.D. x 2 O.D. x 1/4 in. thick		
3	8140912	4 4	WASHER .. Special hardened - 3/4		
4	8082974	2 2	PIN .. Dowel - Compressor locating		
5	102635	2 2	NUT .. 3/8 - 16 hex.		
6	8082983	2 2	SHIM .. Compressor to underframe - .120 in.		
7	8082984	1 1	SHIM .. Compressor to underframe - .065 in.		
8	8082985	1 1	SHIM .. Compressor to underframe - .028 in.		
9	8456600	1 1	SHAFT ASY. .. Compressor drive - 63-7/32 in. long		
10	181465	20 20	BOLT .. Shaft to coupling - 9/16 - 18 x 3-1/2 hex. head		
11	8032720	20 20	NUT .. Lock - 9/16 - 18 non-metallic		
11	9416519	20 20	NUT .. Lock - 9/16 - 18 "CLT" all metal		
11	9335115	20 20	NUT .. Lock - 9/16 - 18 "Oval" all metal		
+ 12	8323180	1 1	COUPLING ASY. .. Auxiliary drive - Tapered - Engine end - See P.L. 124		
13	8236433	1 1	COUPLING ASY. .. Flexible - Compressor end		
14	8234958	10 10	JOINT .. Center bonded - Rubber bushing		
+ 15	8039762	1 1	NUT .. Coupling to compressor crankshaft - 2 - 8 hex.		
+ 16	102592	1 1	SCREW .. Set - 3/8 - 16 x 3/8 hex. socket - Cup point		
17	8447774	1 1	KEY .. Coupling to compressor - 5/8 x 9/16 x 4-1/4 in. long		
+*18	8444661	1 1	GUARD ASY. .. Compressor drive shaft - Weld to accessory rack		
+*19	8458487	1 1	GUARD ASY. .. Engine end auxiliary drive flexible coupling and compressor drive shaft		
+ 20	8470425	1 1	GUARD ASY. .. Air compressor flexible coupling		
+ 21	179839	4 4	BOLT .. Guard to accessory rack - 3/8 - 16 x 1 hex. head		
+ 22	103321	4 4	WASHER .. Lock - 3/8		
23	8113319	1 1	NIPPLE .. Pipe - 3/4 M.P.T. x 3 in. long		
*24	8149166	1 -	NIPPLE .. Pipe - 3/4 M.P.T. x 10 in. long		
24	8149169	1 -	NIPPLE .. Pipe - 3/4 M.P.T. x 10-1/2 in. long		
*25	8136460	1 -	NIPPLE .. Pipe - 3/4 M.P.T. x 5-1/2 in. long		
25	8154290	1 -	NIPPLE .. Pipe - 3/4 M.P.T. x 10 in. long - Threaded one end		
26	8116936	A.R.	PIPE .. 3/4 standard wrought steel - 20 ft. long - Approx. 6 ft. required		
27	103869	1 1	PLUG .. Pipe - 3/4 M.P.T. - Square head		
28	8479674	1 1	COUPLING ASY. .. Flexible - 3/4 I.P.S. x 6 in. long - See P.L. 1801 - Form. 8479614		
29	119099	4 3	ELBOW .. Pipe - 3/4 F.P.T. - 90°		
30	8458813	1 1	VALVE .. Ball cock - 3/4 F.P.T.		
*31	8108214	6 4	CLAMP ASY. .. Hanger - 3/4 in. pipe - 8 in. long		
32	8081710	1 -	CLAMP .. "U" - 3/4 in. pipe		
33	8475961	1 -	BRACKET .. Clamp support - Welds to underframe		
34	179797	2 -	BOLT .. Clamp to bracket - 1/4 - 20 x 1 hex. head		
35	103319	2 -	WASHER .. Lock - 1/4		
36	109084	2 -	NUT .. 1/4 - 20 hex.		
+*37	8471341	1 -	PIPE ASY. .. Air compressor water inlet		
+ 37	8475581	1 -	PIPE ASY. .. Air compressor water inlet		
+ 38	8083349	1 1	GASKET .. Flange to compressor		
+ 39	179847	2 2	BOLT .. Flange to compressor - 3/8 - 16 x 2 hex. head		
+ 40	103321	2 2	WASHER .. Lock - 3/8		
+ 41	102635	2 2	NUT .. 3/8 - 16 hex. - Formerly 102637		
42	8329444	1 1	ELBOW .. Flanged - 1/2 I.P.S. socket weld - 90° - Air compressor water outlet		
43	8057487	1 1	GASKET .. Elbow to compressor		
27283	27327	-	32994	39415	8471663B - 8475955E

P.L. No. C1200-E

AIR COMPRESSOR MOUNTING AND DRIVE

Ref. No.	Part Number	No. Req.	Description
		A B	
44	179839	2 2	BOLT .. Elbow to compressor - 3/8 - 16 x 1 hex. head
45	103321	2 2	WASHER .. Lock - 3/8
46	8116751	AR	PIPE .. 1/2 in. standard wrought steel - 20 ft. - Air compressor water outlet - Approximately 7 ft. required
47	8476711	- 1	COUPLING ASY... Flexible - See P.L. 1801
48	144034	1 1	BUSHING .. Pipe reducing - 3/4 M.P.T. x 1/2 F.P.T. }
49	8108125	- 1	CLAMP ASY... "U" - 1/2 in. pipe } Column B Formerly Applied
*50	8471294	1 -	PIPE ASY... Compressor air discharge
50	8476052	- 1	PIPE ASY... Compressor air discharge - Formerly 8475956
51	8329401	1 1	FLANGE .. Compressor air discharge pipe
52	8083628	1 1	GASKET .. Flange to compressor
53	179885	4 4	BOLT .. Flange to compressor - 1/2 - 13 x 1-1/2 hex. head
54	103323	4 4	WASHER .. Lock - 1/2
55	106265	4 4	WASHER .. Plain - 9/16 I.D.
56	8230726	1 -	INSERT .. Swivel flange
56	8177714	- 1	INSERT .. Swivel flange
57	8177712	1 1	FLANGE .. Swivel
*58	8471291	1 -	PIPE ASY... Main reservoir cooling coil
59	8306949	- 1	FLANGE .. Main reservoir cooling coil pipe
60	8255258	2 1	GASKET .. Swivel flange to flange
61	271615	4 2	BOLT .. Swivel flange to flange - 3/4 - 10 x 3 hex. head
62	8032748	4 2	NUT .. Lock - 3/4 - 10 non-metallic
62	9416522	4 2	NUT .. Lock - 3/4 - 10 "CLT" all metal
62	9335118	4 2	NUT .. Lock - 3/4 - 10 "OVAL" all metal
*63	9085710	AR	TAPE .. Glass lagging - .030 x 1-1/2 in. - 100 ft. roll - Approx. 20 ft. required
*64	8077101	AR	TAPE .. Friction - .015 in. x 3/4 in. - 27 yard roll
*65	8380461	2 2	CLAMP .. Open end - 13 in. long
66	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper brazed steel - 20 ft. - Approx. 4 ft. required
67	121758	2 2	NUT .. 3/8 tube
68	118812	1 1	ELBOW .. 3/8 tube - 90°
69	118755	1 1	ELBOW .. 3/8 tube x 1/4 M.P.T. - 90°
70	8108202	1 1	CLAMP ASY... Hanger - 3/8 O.D. tubing - 4 in. long

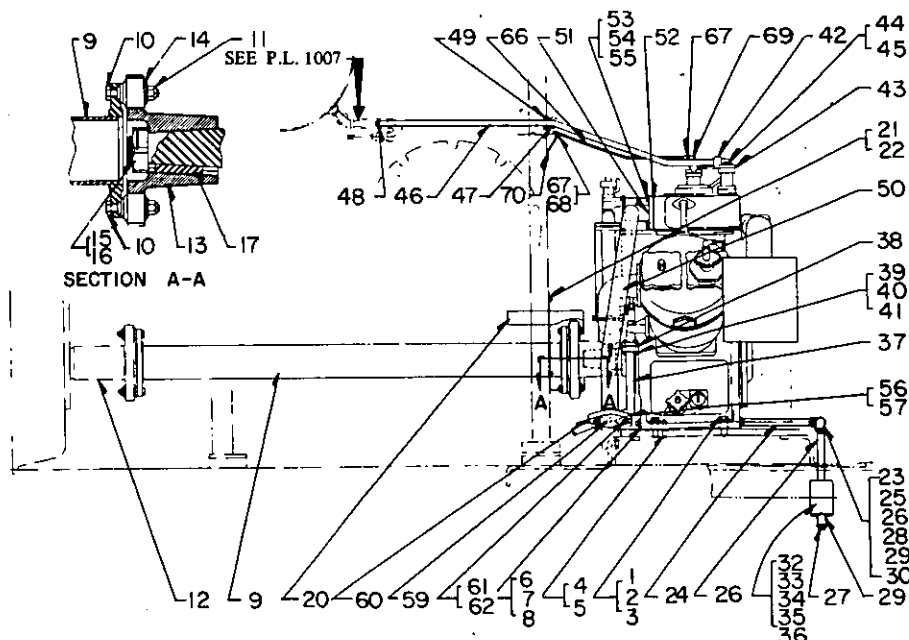


PLATE B1200-E-5

RADIATOR COOLING FAN

Radiator Cooling Fan, Drive, Coupling and Guard
G18U,G18W and GA18 Locomotives

PLATE A1205-E-1

Ref. No.	Part Number	No. Req.	Description
1	8396471	1	SHAFT .. Cooling fan drive
2	8387991	1	COUPLING ASY. .. Flexible
3	181465	4	BOLT .. 9/16 - 18 x 3-1/2 hex. head
4	9416519	4	NUT .. Lock - 9/16 - 18 hex.
5	8397787	1	GUARD .. Drive shaft and coupling
6	8397785	1	BRACKET .. Guard
7	8350203	2	ANGLE .. Guard bracket - Welds to underframe
8	179839	4	BOLT .. 3/8 - 16 x 1 hex. head
9	9416513	4	NUT .. Lock - 3/8 - 16 hex.
10	8316702	1	FLANGE .. Fan drive
11	179848	6	BOLT .. 3/8 - 16 x 2-1/4 hex. head
12	9416513	6	NUT .. Lock - 3/8 - 16 hex.
13	8398314	1	BUSHING .. Taper - Fan drive flange
14	179820	3	BOLT .. 3/8 - 16 x 1-1/4 hex. head
15	103320	3	WASHER .. Lock - 3/8
16	112654	1	KEY .. Woodruff - Bushing to fan driven shaft
17	8397743	1	SHROUD ASY. .. Cooling fan
*18	179839	10	BOLT .. Shroud to hood - 3/8 - 16 x 1 hex. head
*19	9416513	10	NUT .. Lock - 3/8 - 16 hex.
20	9425296	1	BLOCK ASY. .. Pillow - Includes bearing
*20A	9425711	1	BEARING .. Ball - Includes collar
21	271618	2	BOLT .. 3/4 - 10 x 3-3/4 hex. head
22	8371940	2	WASHER .. Plain - 13/16 I.D.
φ 23	8032748	2	NUT .. Lock - 3/4 - 10 non-metallic
φ 23	9416522	2	NUT .. Lock - 3/4 - 10 "CLT" all metal
φ 23	9335118	2	NUT .. Lock - 3/4 - 10 "OVAL" all metal
24	8371320	AR	SHIM .. Pillow block to shroud - 20 Ga.
25	8371321	AR	SHIM .. Pillow block to shroud - 16 Ga.
26	8371322	AR	SHIM .. Pillow block to shroud - 11 ga.
27	8322950	1	FAN ASY. .. Cooling - 10 blade - 54 in. dia.
28	8322192	1	HUB .. Fan
29	9529124	10	BLADE .. Fan (Must be dynamically balanced at assembly) Formerly 8319631
29A	9524098	10	PLATE .. Name - Caution - Pressure sensitive
*30	223516	AR	BOLT .. Blade to hub - 5/8 - 11 x 2-3/4 hex. head
*31	223517	AR	BOLT .. Blade to hub - 5/8 - 11 x 3 hex. head
*32	223518	AR	BOLT .. Blade to hub - 5/8 - 11 x 3-1/4 hex. head
*33	9416939	20	NUT .. Lock - 5/8 - 11 hex. - Formerly 9416935
*34	131016	AR	WASHER .. Plain - Blade to hub bolt - 21/32 I.D. x 1-5/16 O.D.
*35	8274904	AR	WASHER .. Plain - Blade to hub bolt - 1/4 x 21/32 I.D. x 2-1/4 O.D.
*36	8325350	AR	WASHER .. Plain - Blade to hub bolt - 3/16 x 21/32 I.D. x 2-1/4 O.D.
*37	8325351	AR	WASHER .. Plain - Blade to hub bolt - 11 Ga. x 21/32 I.D. x 2-1/4 O.D.
*38	180124	AR	BOLT .. Balance washer - 3/8 - 16 x 1-1/4 hex. head
*39	180128	AR	BOLT .. Balance washer - 3/8 - 16 x 1-3/4 hex. head
*40	180134	AR	BOLT .. Balance washer - 3/8 - 16 x 2-1/2 hex. head
*41	9416532	1	NUT .. Lock - 3/8 - 16 hex.
*42	8321585	AR	WASHER .. Balance - 20 Ga. x 3/8 I.D. x 2 O.D.
*43	8321586	AR	WASHER .. Balance - 16 Ga. x 3/8 I.D. x 2 O.D.
*44	8321587	AR	WASHER .. Balance - 11 Ga. x 3/8 I.D. x 2 O.D.
*45	8321588	AR	WASHER .. Balance - 3/16 x 3/8 I.D. x 2 O.D.
*46	8321589	AR	WASHER .. Balance - 1/4 x 3/8 I.D. x 2 O.D.
47	8031096	1	KEY .. Fan to fan driven shaft - 1/2 x 4-1/2 in. long
48	8404659	1	PLATE .. Retainer

8398112H

8397717C

8397572C

P.L. No. B1205-E

RADIATOR COOLING FAN

Ref. No.	Part Number	No. Req.	Description
49	186646	2	BOLT .. 1/2 - 13 x 1-3/4 hex. head
50	8371137	1	PLATE .. Lock - Formerly applied
51	8396672	1	SHAFT .. Fan driven
52	8316703	1	COLLAR .. Fan driven shaft
*53	8398181	2	GRILL ASY. .. Air intake - Located above radiator
*54	9419650	64	SCREW .. Tapping - Grill mounting - 3/8 - 16 x 3/4 hex. washer head
*55	8396935	1	GRILL ASY. .. Air exhaust - Right side
*56	8396956	1	GRILL ASY. .. Air exhaust - Left side
*57	8396950	1	DOOR ASY. .. Grill
*58	8034986	2	HINGE .. Door
*59	8285394	2	LATCH ASY. .. Door
*60	179817	32	BOLT .. Grill mounting - 5/16 - 18 x 7/8 hex. head
*61	103320	32	WASHER .. Lock - 3/8

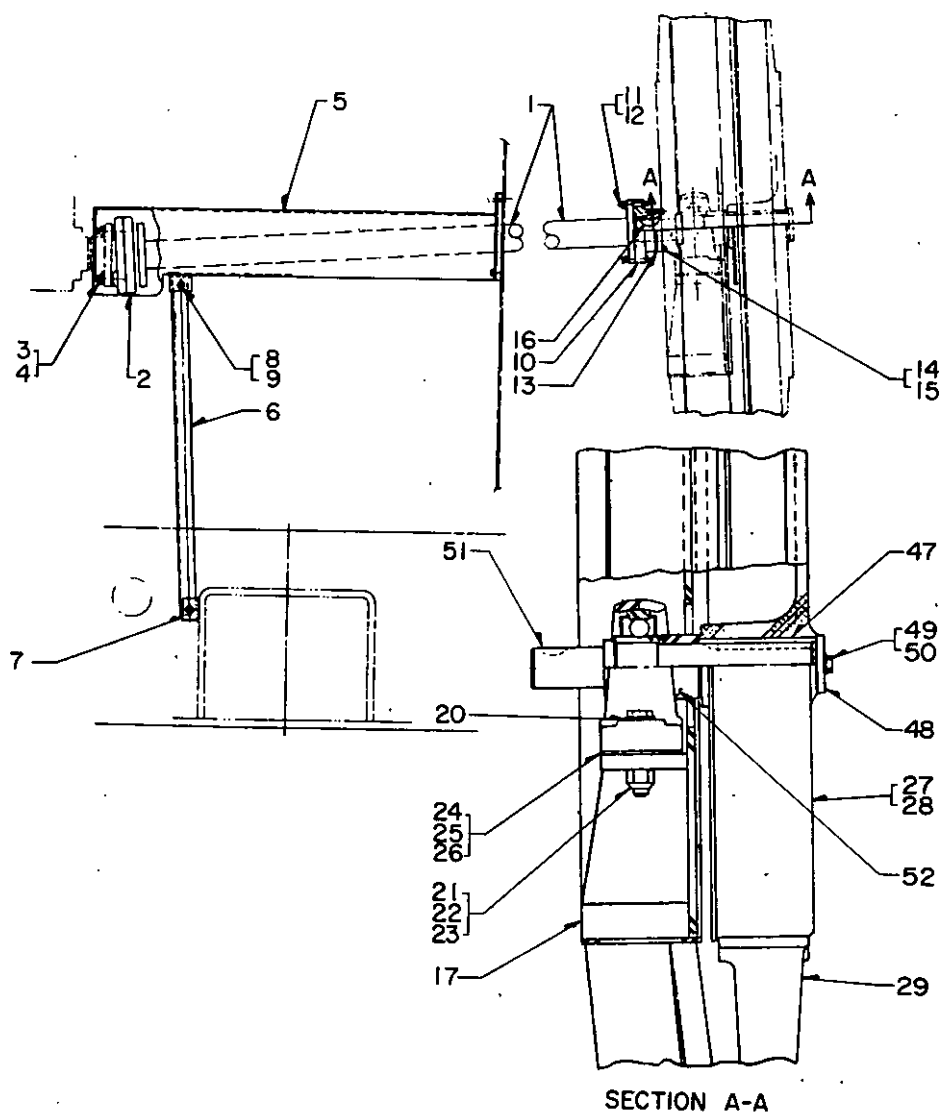


PLATE A1205-E-1

Parts List No. C1210-E

SPEED INCREASER AND COOLING FAN

Speed Increaser, Fan and No. 2 End Traction Motor Blower Drive Assembly
G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

PLATE B1210-E-1 and 2

Ref. No.	Part Number	Number Required	Description
1	8389330	A - - -	DRIVE ASY. .. Speed increaser, fan and No. 2 end traction motor blower - Clutch driven fan - G22U,G22W,G22CU,G22CW,GL22C
2	8391271	- B - -	DRIVE ASY. .. Speed increaser, fan and No. 2 end traction motor blower - Clutch driven fan - G26CU,G26CW
3	----	- - C -	DRIVE ASY. .. Speed increaser, fan and No. 2 end traction motor blower - Direct drive fan - GL22C
4	----	- - - D	DRIVE ASY. .. Speed increaser, fan and No. 2 end traction motor blower - Direct drive fan - G22W

HOUSING .. Speed Increaser

5	8190607	1 1 1 1	HOUSING .. Speed increaser
6	8190549	1 1 1 1	COVER .. Inspection
7	8190550	1 1 1 1	GASKET .. Cover to housing
8	179814	6 6 6 6	BOLT .. 5/16 - 18 x 5/8 hex. head
9	103320	6 6 6 6	WASHER .. Lock - 5/16
10	8191276	1 1 1 1	FILLER .. Oil
11	8190534	1 1 1 1	BREATHER .. Oil filler
12	8191360	1 1 1 1	GAUGE .. Oil sight
13	8198355	1 1 1 1	GLASS .. Oil sight
14	8198356	2 2 2 2	GASKET .. Oil sight glass
15	8032512	1 1 1 1	PLUG .. Vent - Oil sight gauge - 1/2 M.P.T.
16	8073299	1 1 1 1	NIPPLE .. Close pipe - 1/2 M.P.T. - Extra heavy brass
17	138105	1 1 1 1	TEE .. Pipe - 1/2 F.P.T.
18	103880	1 1 1 1	PLUG .. Pipe - 1/2 M.P.T. - Square head
19	140537	1 1 1 1	NIPPLE .. Pipe - 1/2 M.P.T. x 2 in. long

COUPLING DRIVE FLANGE AND COVER.

20	8389192	1 1 1 1	FLANGE .. Coupling drive
21	8389185	1 1 1 1	RETAINER .. Flange to input drive shaft
22	223744	3 3 3 3	BOLT .. 5/8 - 18 x 3-1/2 hex. head - Formerly 8389199
23	8116738	A.R. -	WIRE .. Lock - 3/64 dia. steel - 500 ft. - Formerly applied
24	8104728	1 1 1 1	KEY .. Flange to input drive shaft - 3/8 x 2-1/4 in. long
25	8381138	1 1 1 1	SEAL .. Oil - Coupling drive flange
26	8389190	1 1 1 1	SLINGER .. Oil - Between coupling drive flange and input drive shaft gear
27	8381572	1 1 1 1	COVER .. Speed increaser housing
28	8190541	1 1 1 1	GASKET .. Cover to housing
29	8085062	2 2 2 2	DOWEL .. Cover locating
30	8085063	2 2 2 2	RING .. Snap - Cover locating dowel
31	179883	11 11 11 11	BOLT .. 1/2 - 13 x 1-1/4 hex. head
32	103323	11 11 11 11	WASHER .. Lock - 1/2

SHAFT .. Input Drive

33	8389176	1 1 1 1	SHAFT .. Input drive
34	8389178	1 1 1 1	GEAR .. Input drive shaft
35	187362	1 1 1 1	KEY .. Woodruff - Gear to shaft
36	903313	1 1 1 1	BEARING .. Ball - Flange side of input drive shaft
37	8389191	1 1 2 2	SLINGER .. Oil
38	954540	1 1 1 1	BEARING .. Ball - Spiral gear end of input drive shaft
39	8389185	1 1 1 1	RETAINER .. Bearing to input drive shaft
40	223738	3 3 3 3	BOLT .. 5/8 - 18 x 2 hex. head - Formerly 8389196
41	8116738	A.R. -	WIRE .. Lock - 3/64 in. dia. steel - 500 ft. - Formerly applied

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AUGUST, 1980

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C1210-E

P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN

Ref. No.	Part Number	Number Required	Description
		A B C D	
			DRIVE ASY. ... Speed increaser, fan and No. 2 end traction motor blower
GEAR SET .. Fan Drive			
42	8363814	1 - 1 1	GEAR SET .. Spiral bevel - Fan drive - 1.5:1
43	8363817	- 1 - -	GEAR SET .. Spiral bevel - Fan drive - 1.2:1
44	187362	2 2 2 2	KEY .. Woodruff - Gear to input and fan drive shaft
45	8389186	1 1 1 1	RETAINER .. Gear to fan drive shaft
46	186690	3 3 3 3	BOLT .. 1/2 - 20 x 1-3/4 hex. head - Formerly 8389197
47	8116738	A.R. -	WIRE .. Lock - 3/64 in. dia. steel - 500 ft. - Formerly applied
48	8382229	1 1 1 1	WHEEL .. Traction motor blower
49	8282231	1 1 1 1	KEY .. Wheel to blower drive shaft - 3/8 x 3 in. long
50	8163288	1 1 1 1	WASHER .. Wheel retaining
51	8190554	1 1 1 1	NUT .. Slotted - Wheel retaining - 1-1/2 - 12 hex.
52	103411	1 1 1 1	PIN .. Cotter - 3/16 x 2 in. long
53	8364255	1 1 1 1	SPACER .. Traction motor blower wheel
54	8189206	1 1 1 1	TRAP .. Oil
55	8190551	1 1 1 1	GASKET .. Oil trap
56	8364369	1 1 1 1	HOUSING .. Traction motor blower
57	8328051	1 1 1 1	RING .. Tapping - Air intake ring - Welds to housing
58	8327892	1 1 1 1	RING .. Air intake
59	179839	2 2 2 2	BOLT .. 3/8 - 16 x 1 hex. head
60	103321	2 2 2 2	WASHER .. Lock - 3/8
61	8364194	1 1 1 1	COVER .. Bearing plate - Blower drive shaft bearing
62	8389180	1 1 1 1	COVER .. Bearing plate - Input drive shaft bearing
63	8190553	1 1 1 1	GASKET .. Bearing plate covers - Formerly 8190533
64	8189208	1 1 1 1	PLATE .. Bearing
65	8190556	1 1 1 1	SHIM .. Bearing plate
66	179881	4 4 4 4	BOLT .. Oil trap and blower housing to bearing plate cover - 1/2 - 13 x 1 hex. head
67	115551	4 4 4 4	WASHER .. Lock - 1/2 - Internal tooth
68	179883	10 10 10 10	BOLT .. 1/2 - 13 x 1-1/4 hex. head
69	179890	5 5 5 5	BOLT .. 1/2 - 13 x 2-1/4 hex. head
70	103323	15 15 15 15	WASHER .. Lock - 1/2
71	8389179	1 1 1 1	SHAFT .. Blower drive
72	8389183	1 1 1 1	RETAINER .. Blower drive shaft gear
73	186690	2 2 2 2	BOLT .. 1/2 - 20 x 1-3/4 hex. head - Formerly 8389197
74	8116738	A.R. -	WIRE .. Lock - 3/64 in. dia. steel - 500 ft. - Formerly applied
75	8189205	1 1 1 1	GEAR .. Blower drive shaft
76	8282228	1 1 1 1	KEY .. Gear to blower drive shaft
77	8389187	1 1 1 1	SLINGER .. Oil - Gear side of bearing
78	903310	1 1 1 1	BEARING .. Ball - Gear end of blower drive shaft
79	8389188	1 1 1 1	SLINGER .. Oil - Blower side of gear and bearing
80	907636	1 1 1 1	BEARING .. Ball - Blower end of blower drive shaft - Replaces 954230
81	8389324	1 1 1 1	SLINGER .. Oil - Between bearing and blower wheel spacer
82	8083254	1 1 1 1	SEAL .. Oil - Blower end of blower drive shaft
83	8190533	1 1 - -	SEAL .. Rotor - 5/8 - 18 M.P.T. - 1/4 F.P.T. air inlet
84	8319628	1 - - -	FAN ASY. ... Cooling - 10 blade - 54 in. dia. - Clutch driven
84	8321158	- 1 - -	FAN .. Cooling - 10 blade - 66 in. dia. - Clutch driven - Replaces 8248902
84	8322950	- - 1 1	FAN ASY. ... Cooling - 10 blade - 54 in. dia. - Direct drive
85	8319629	1 - - -	HUB .. Cooling fan
85	8321159	- 1 - -	HUB .. Cooling fan
85	8322192	- - 1 1	HUB .. Cooling fan
86	8321160	- 10 - -	BLADE .. Cooling fan
86	9529124	10 - 10 10	BLADE .. Cooling fan - Replaces 8319631 } Must Be Dynamically Balanced At Assembly
*87	9524098	10 - 10 10	PLATE .. Name - Caution - Pressure sensitive
*88	223516	As Req.	BOLT .. Blade to hub - 5/8 - 11 x 2-3/4 hex. head
*89	223517	As Req.	BOLT .. Blade to hub - 5/8 - 11 x 3 hex. head
*90	223518	As Req.	BOLT .. Blade to hub - 5/8 - 11 x 3-1/4 hex. head
*91	9416539	20 20 20 20	NUT .. Lock - 5/8 - 11 hex.
*92	131016	As Req.	WASHER .. Plain - Blade to hub bolt - 21/32 I.D. x 1-5/16 O.D.
*93	8274904	As Req.	WASHER .. Plain - Blade to hub bolt - 1/4 x 21/32 I.D. x 2-1/4 O.D.

P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN

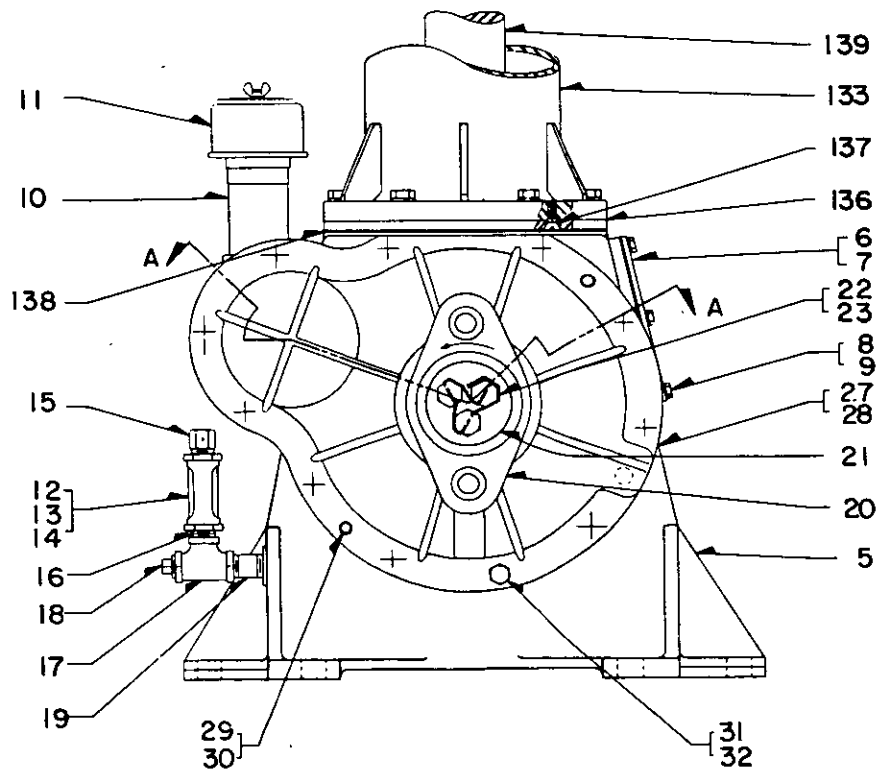
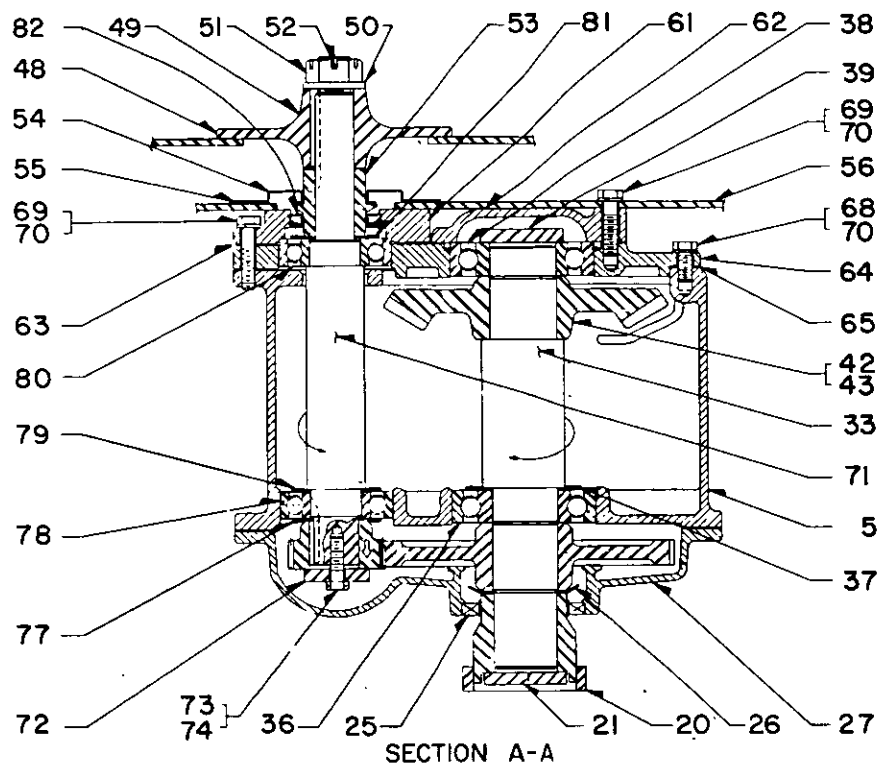
Ref. No.	Part Number	Number Required				Description
	----	A	B	C	D	DRIVE ASY. .. Speed increaser, fan & No. 2 end traction motor blower
	8319628	1	-	-	-	FAN ASY. .. Cooling - 10 blade - 54 in. dia. - Clutch driven
	8321158	-	1	-	-	FAN ASY. .. Cooling - 10 blade - 66 in. dia. - Clutch driven
	8322950	-	-	1	1	FAN ASY. .. Cooling - 10 blade - 54 in. dia. - Direct drive
* 94	8325350	As Req.				WASHER .. Plain - Blade to hub bolt - 3/16 x 21/32 I.D. x 2-1/4 O.D.
* 95	8325351	As Req.				WASHER .. Plain - Blade to hub bolt - 11 Ga. x 21/32 I.D. x 2-1/4 O.D.
* 96	180124	As Req.				BOLT .. Balance washer - 3/8 - 16 x 1-1/4 hex. head
* 97	180128	As Req.				BOLT .. Balance washer - 3/8 - 16 x 1-3/4 hex. head
* 98	180134	As Req.				BOLT .. Balance washer - 3/8 - 16 x 2-1/2 hex. head
* 99	9416532	1	1	1	1	NUT .. Lock - Balance washer bolt - 3/8 - 16 hex.
*100	120388	As Req.				WASHER .. Plain - Balance washer bolt - 7/16 I.D. x 1 O.D.
*101	8321585	As Req.				WASHER .. Balance - 20 Ga. x 3/8 I.D. x 2 O.D.
*102	8321586	As Req.				WASHER .. Balance - 16 Ga. x 3/8 I.D. x 2 O.D.
*103	8321587	As Req.				WASHER .. Balance - 11 Ga. x 3/8 I.D. x 2 O.D.
*104	8321588	As Req.				WASHER .. Balance - 3/16 x 3/8 I.D. x 2 O.D.
*105	8321589	As Req.				WASHER .. Balance - 1/4 x 3/8 I.D. x 2 O.D.
ø106	179887	5	5	-	-	BOLT .. 1/2 - 13 x 1-3/4 hex. head
ø107	181433	-	5	-	-	BOLT .. 1/2 - 20 x 1-3/4 hex. head
108	103323	5	-	-	-	WASHER .. Lock - 1/2
109	8085096	-	5	-	-	NUT .. Spline - 1/2-20 - Cast fan only
110	8389186	-	-	1	1	RETAINER .. Cooling fan and spacer
111	8381426	-	-	1	1	SPACER .. Retainer to fan
112	8389184	1	1	-	-	RETAINER .. Cooling fan bearing
113	455014	3	3	-	-	BOLT .. 1/2 - 20 x 1-1/2 hex. head - Formerly 8028302
113	186690	-	-	3	3	BOLT .. 1/2 - 20 x 1-3/4 hex. head - Formerly 8389197
114	8116738	As Req.				WIRE .. Lock - 3/64 in. dia. steel - 500 ft. - Formerly applied
115	8031096	-	-	1	1	KEY .. Fan to drive shaft - 1/2 x 4-1/2 in. long
116	954798	1	1	-	-	BEARING .. Ball - Cooling fan
117	8103853	1	1	-	-	CLUTCH ASY. .. Fan drive
118	181384	12	12	-	-	BOLT .. 3/8 - 24 x 2-1/2 hex. head
119	103341	12	12	-	-	WASHER .. Plain - 13/32 I.D.
120	9416533	12	12	-	-	NUT .. Lock - 3/8 - 24 hex.

COOLING FAN DRIVE AND SUPPORT

121	8189194	1	1	-	-	HUB .. Cooling fan
122	187362	1	1	-	-	KEY .. Woodruff - Hub to drive shaft
123	8189214	1	1	-	-	WHEEL .. Driving
124	954666	2	2	1	1	BEARING .. Ball - Driving wheel and drive shaft
125	8155631	1	1	-	-	RING .. Snap - Bearing
126	8311630	1	1	1	1	RING .. Tolerance - Bearing
127	8190539	1	1	-	-	SPACER .. Bearing
127	8282803	-	-	1	1	SPACER .. Bearing
128	8389189	1	1	1	1	SLINGER .. Oil
129	8190540	1	1	-	-	SLINGER .. Oil
130	8364366	1	-	1	1	STRAIGHTENER ASY. .. Cooling fan air
130	8419252	-	1	-	-	STRAIGHTENER ASY. .. Cooling fan air
131	181433	6	6	6	6	BOLT .. 1/2 - 20 x 1-3/4 hex. head
132	8081581	6	6	6	6	NUT .. Spline - 1/2 - 20
133	8364367	1	1	1	1	COLUMN .. Fan support
134	179889	6	6	6	6	BOLT .. 1/2 - 13 x 2 hex. head
135	103323	6	6	6	6	WASHER .. Lock - 1/2
136	8189195	1	1	1	1	PLATE .. Bearing
137	114670	4	4	4	4	SCREW .. Machine - 3/8 - 16 x 3/4 flat head
138	8190548	1	1	1	1	SHIM .. Bearing plate
139	8389177	1	1	-	-	SHAFT .. Fan drive
139	8389181	-	-	1	1	SHAFT .. Fan drive
140	954540	1	1	1	1	BEARING .. Ball - Spiral gear end of fan drive shaft
+*141	----	1	1	1	1	BLOWER ASY. .. No. 1 end traction motor and main generator - See P.L. 3610

P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN



SPEED INCREASER AND COOLING FAN

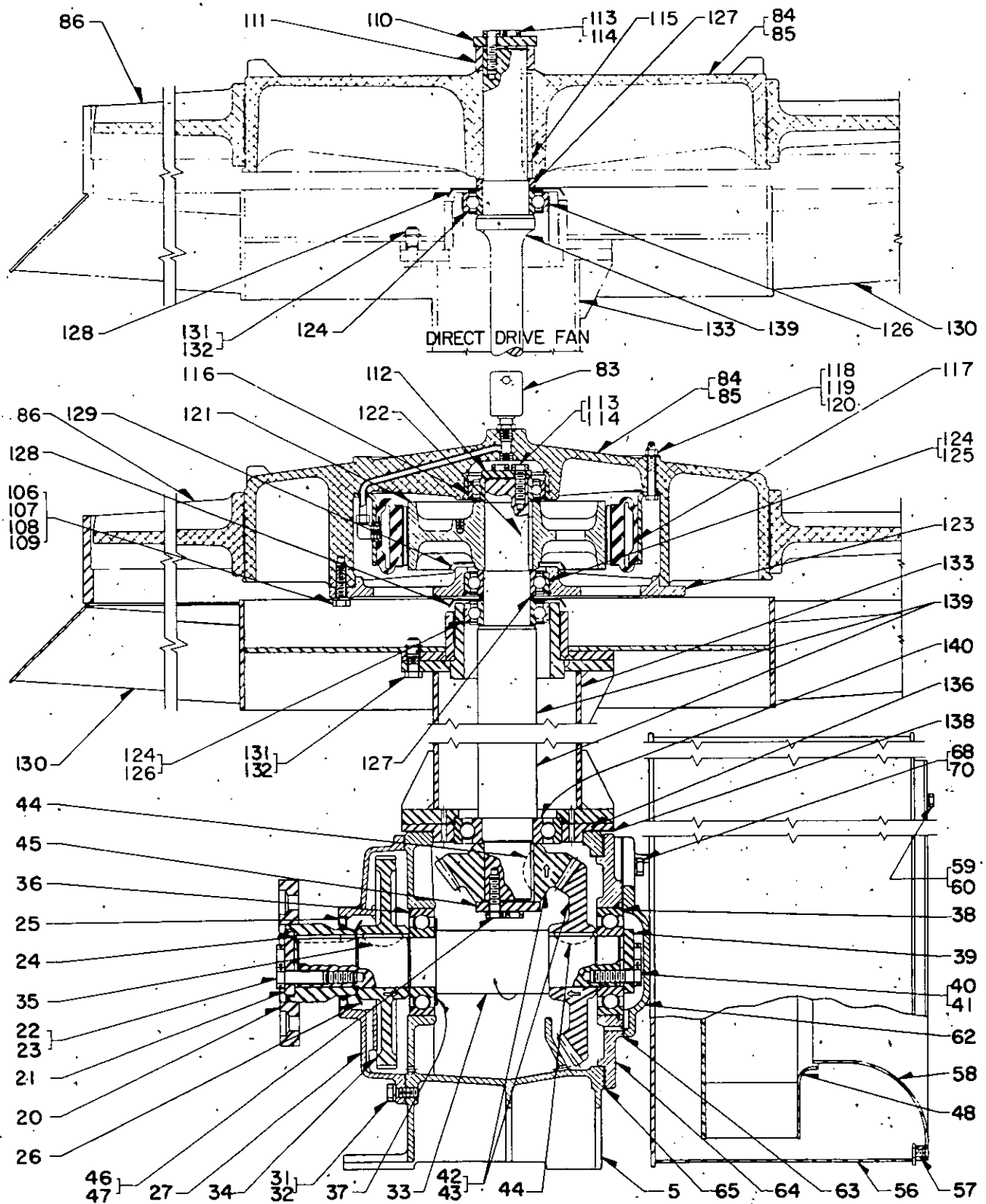


PLATE B1210-E-2

P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN

Air Ducts, Mounting, Drive, Couplings and Guards
G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

PLATE A1210-E-3

Ref. No.	Part Number	No. Req.	Description
		A -	G22U,G22W,G22CU,G22CW and GL22C locomotives
		- B	G26CU and G26CW locomotives
1	8307065	2 -	RING ASY... Cooling fan air straightener
2	8260052	- 2	RING ASY... Cooling fan air straightener
3	180185	2 2	BOLT .. 1/2 - 13 x 2-1/2 hex. head
φ 4	9416517	2 2	NUT .. Lock - 1/2 - 13 hex. - 'CLT' all metal
φ 4	8032745	2 2	NUT .. Lock - 1/2 - 13 hex. - Non-metallic
φ 4	9335112	2 2	NUT .. Lock - 1/2 - 13 hex. - 'OVAL' all metal
5	8307063	12 -	CLIP .. Ring mounting - 11 ga. x 2-1/2 x 7-1/2 in. long - Incl. nuts
5	8432359	- 10	CLIP .. Ring mounting - 11 ga. x 2-1/2 x 7-1/2 in. long - Incl. pad and nuts
* 6	8310355	- 2	CLIP .. Ring mounting - 11 ga. x 2 x 7-1/2 in. long - Incl. nuts
7	180078	24 20	BOLT .. 5/16 - 18 x 7/8 hex. head
8	180079	- 4	BOLT .. 5/16 - 18 x 1 hex. head
9	103320	24 24	WASHER .. Lock - 5/16
10	271657	4 4	BOLT .. Drive assembly to underframe - 7/8 - 9 x 2-1/4 hex. head
11	103327	4 4	WASHER .. Lock - 7/8
12	8326092	- -	STRIP .. Rubber - 1 in. x 1-1/4 in. - Sold per foot - Approximately 6 feet required for blower housing to underframe seal
13	8255268	AR	ADHESIVE .. Gasket - 1 quart can
14	8383021	1 1	DUCT ASY... Traction motor air
15	179837	8 8	BOLT .. 3/8 - 16 x 3/4 hex. head
16	103321	8 8	WASHER .. Lock - 3/8
17	8383152	1 -	DUCT ASY... Traction motor air
18	8391376	- 1	DUCT ASY... Traction motor air
19	179838	10 10	BOLT .. 3/8 - 16 x 7/8 hex. head
20	103321	4 4	WASHER .. Lock - 3/8
φ 21	8032743	6 6	NUT .. Lock - 3/8 - 16 hex. - Non-metallic
φ 21	9416513	6 6	NUT .. Lock - 3/8 - 16 hex. - 'CLT' all metal
φ 21	9335108	6 6	NUT .. Lock - 3/8 - 16 hex. - 'OVAL' all metal
22	8382612	1 -	SHAFT .. Drive - 6 ft. 2-7/8 in. long
23	8391377	- 1	SHAFT .. Drive - 6 ft. - 9-1/8 in. long
24	8190570	2 2	COUPLING ASY... Flexible
25	271646	4 4	BOLT .. 3/4 - 16 x 5 hex. head
26	271644	2 2	BOLT .. 3/4 - 16 x 4-1/2 hex. head
27	103346	8 8	WASHER .. Plain - 13/16 I.D.
φ 28	8032722	8 8	NUT .. Lock - 3/4 - 16 hex. - Non-metallic
φ 28	9416523	8 8	NUT .. Lock - 3/4 - 16 hex. - 'CLT' - All metal
φ 28	9335119	8 8	NUT .. Lock - 3/4 - 16 hex. - 'OVAL' - All metal
29	8267630	1 1	FLANGE ASY... Drive
30	8252440	1 1	BUSHING .. Drive - Type "F"
31	179910	3 3	BOLT .. 9/16 - 12 x 2 hex. head
32	103324	3 3	WASHER .. Lock - 9/16
33	187362	1 1	KEY .. Woodruff - Drive flange bushing to drive flange
34	272422	2 2	BOLT .. 3/4 - 16 x 7 hex. head - Formerly 273028
+35	8385159	1 1	FLANGE .. Auxiliary drive

8383727D 8391375G
17758

C1210-E

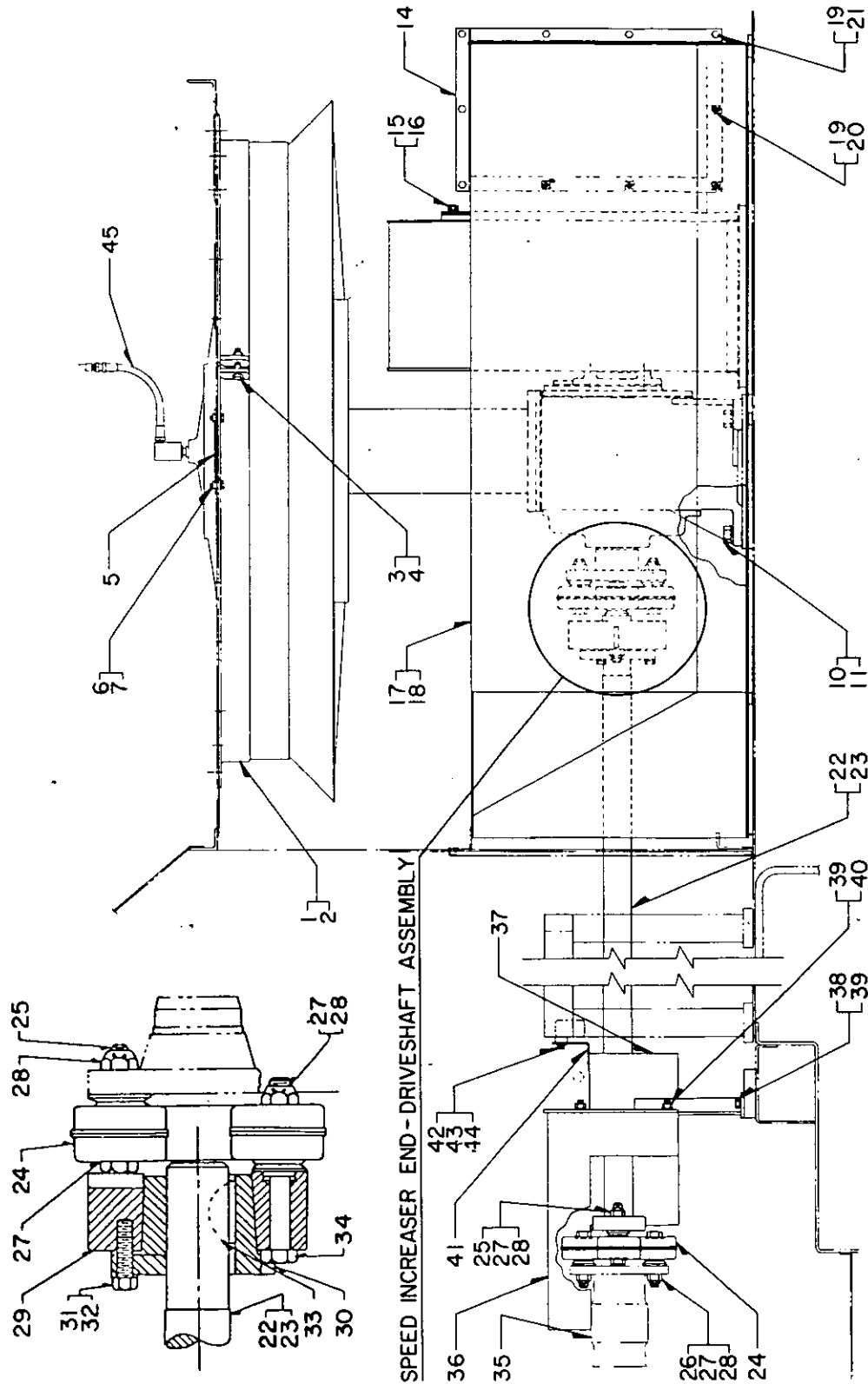
P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN

Ref. No.	Part Number	No. Req.		Description	
		A	B		
36	8383784	1	1	GUARD .. Drive shaft and coupling	} Column A Formerly Applied
37	8383783	1	1	GUARD .. Drive shaft	
38	179881	2	2	BOLT .. 1/2 - 13 x 1 hex. head	
39	103323	6	6	WASHER .. Lock - 1/2	
40	102637	4	4	NUT .. 1/2 - 13 hex.	
41	8383782	1	1	BRACKET .. Drive shaft guard - Welds to guard	
42	179814	1	1	BOLT .. 5/16 - 18 x 5/8 hex. head	
43	103320	1	1	WASHER .. Lock - 5/16	
44	103340	1	1	WASHER .. Plain - 11/32 I.D.	
45	8195499	1	1	HOSE ASY. .. Rotor seal to air line (Applies only with clutch driven fan)	

P.L. No. C1210-E

SPEED INCREASER AND COOLING FAN



Air Ducts, Mounting, Drive, Couplings and Guards

PLATE A1210-E-3

TRACTION MOTOR AIR DUCT

Air Duct Application
G18U,G18W,G22U and G22W Locomotives

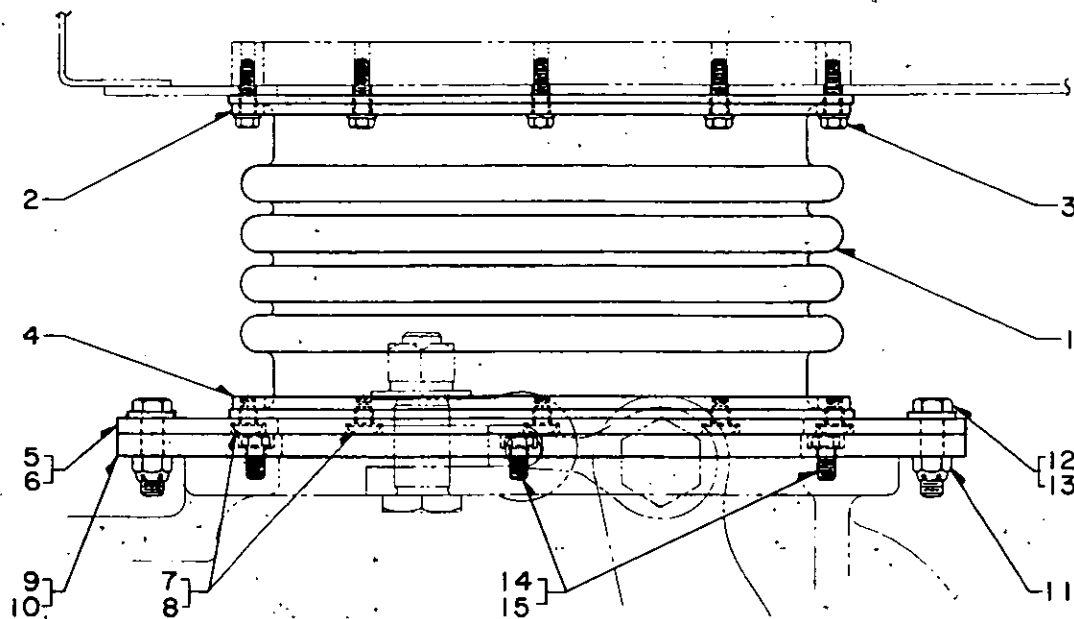


PLATE B1522-E:1

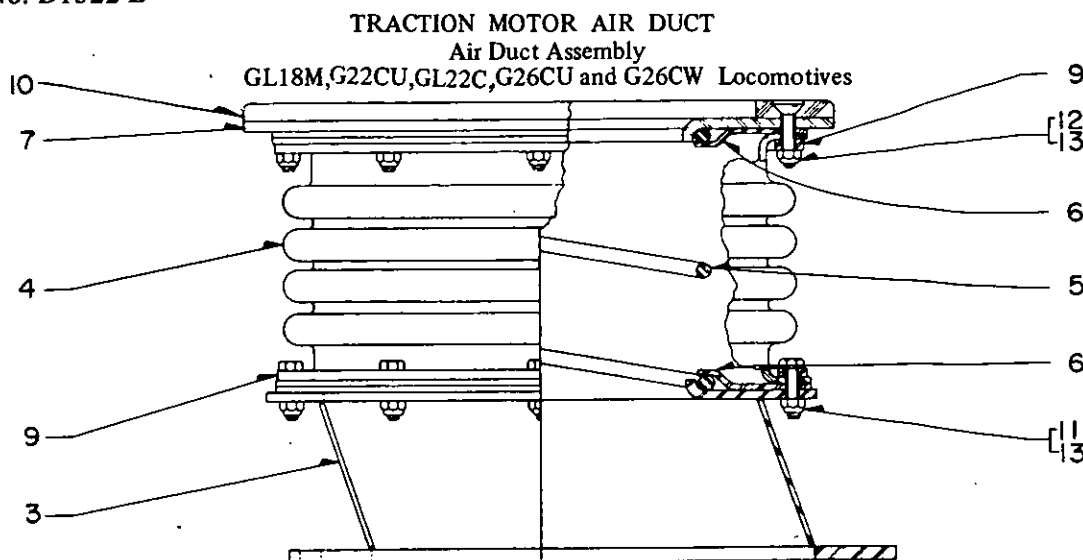
Ref. No.	Part Number	No. Req.	Description
	A	-	G18W,G22W with D75B traction motors
	B	-	G18U,G22U with D29 traction motors

Quantities listed show parts required for one (1) air duct assembly only.

1	8020225	1	1	DUCT .. Air - Flexible
2	8414863	2	2	RING .. Clamping - Upper - Replaces 8020227
3	179822	12	12	BOLT .. 5/16 - 18 x 1-1/2 - Previously 9422942
4	8324388	1	1	RING .. Clamping - Lower
5	8472176	1	-	PLATE .. Clamping ring mounting - Formerly 8391182
6	8324389	-	1	PLATE .. Clamping ring mounting
7	155413	12	12	SCREW .. Machine - 5/16 - 18 x 3/4 round head - Cross recess
8	138538	12	12	WASHER .. Lock - 5/16 - Internal tooth
9	8391181	1	-	PLATE .. Air duct adapter
10	9313869	-	1	PLATE ASY. .. Air duct adapter - Previously 8324386
11	9416517	2	2	NUT .. Lock - 1/2 - 13 hex. - Welds to plate
12	180181	-	2	BOLT .. 1/2 - 13 x 2 hex. head - Formerly 180179
12	180173	2	-	BOLT .. 1/2 - 13 x 1-1/4 hex. head - Formerly 180175
13	120384	2	-	WASHER .. Lock - 1/2
14	271715	-	4	BOLT .. 5/8 - 11 x 1 hex. - Formerly 180120 - 6 required
14	180120	8	-	BOLT .. 3/8 - 16 x 3/4 hex.
15	138557	-	4	WASHER .. Lock - 5/8 - Formerly 138542 - 6 required
15	138542	8	-	WASHER .. Lock - 3/8 - Internal tooth

8391183C 8323939F

P.L. No. D1522-E



Ref. No. 2
PLATE B1522-E-2

Ref. No.	Part Number	Number Required					Description	Duct Ref. No. 3	Traction Motor		Locomotive Application
									Model	Location	
* 1	8382488	A	-	-	-	-	DUCT ASY. .. Air	----	D29CC	3,4	GL22C
2	8383320	-	B	-	-	-	DUCT ASY. .. Air	8383321	D29CC	1,3	GL18M
2	8415025	-	C	-	-	-	DUCT ASY. .. Air	8415028	D29CC	1,2,5,6	GL22C
2	8415026	-	D	-	-	-	DUCT ASY. .. Air	8415029	D29	2,4	GL18M
2	8415027	-	E	-	-	-	DUCT ASY. .. Air	8415030	D29	4	G22CU
2	8420690	-	-	-	-	-	DUCT ASY. .. Air	8420689	D75B	1,3,6	G22CU
2	8420690	-	-	-	-	-	DUCT ASY. .. Air	8420689	D29	2,5	G22CU
2	8420690	-	-	-	-	G	DUCT ASY. .. Air	8420689	D29	1 thru 6	G26CW
2	8420690	-	-	-	-	H	DUCT ASY. .. Air	8420689	D29	1 thru 6	G26CU
3	-----	-	1	1	1	1	DUCT .. Air - Metal - See above				G26CU

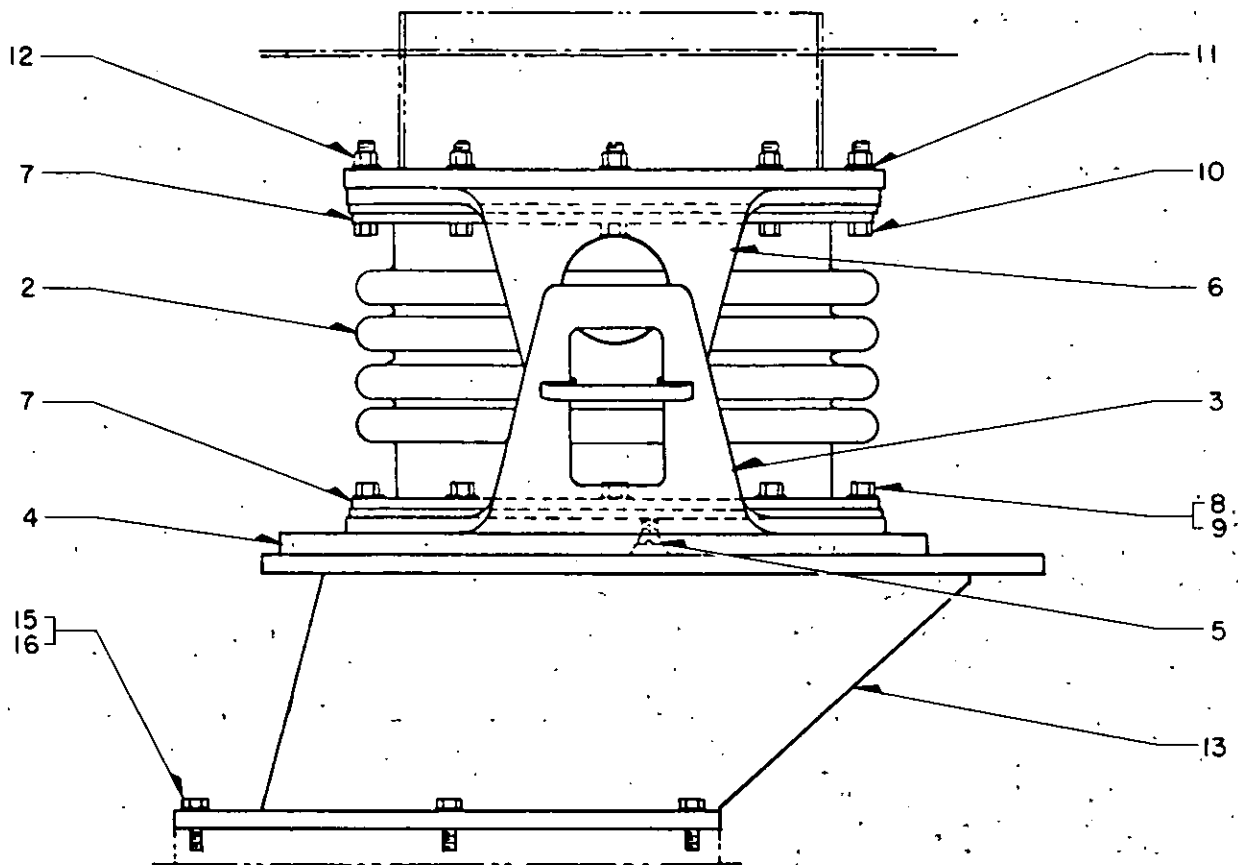
The following components are for one (1) air duct assembly only.

4	8020225	1	1	1	1	1	DUCT .. Air - Flexible				
5	8341308	1	1	1	1	1	SPRING .. Expansion				
6	8341527	1	2	2	2	2	PLATE .. Spring retainer				
* 6A	8383511	1	-	-	-	-	PLATE .. Spring retainer				
7	8371419	1	1	-	-	-	PLATE .. Spring bearing				
7	8341306	-	-	1	1	1	PLATE .. Spring bearing				
* 8	8382489	1	-	-	-	-	PLATE .. Spring bearing and base - Lower				
9	8414863	4	4	4	4	4	PLATE .. Clamping - Half				
10	8371418	1	1	-	-	-	PLATE .. Wear				
10	8179589	-	-	1	1	1	PLATE .. Wear				
11	179843	-	12	12	12	12	BOLT .. 3/8 - 16 x 1-1/4 hex. head - Previously 179841				
11	114674	12	-	-	-	-	SCREW .. Machine - 3/8 - 16 x 1-1/4 flat head				
12	114677	12	12	12	12	12	SCREW .. Machine - 3/8 - 16 x 1-3/4 flat head				
13	9416513	24	24	24	24	24	NUT .. Lock - 3/8 - 16 hex.				
*14	271558	4	-	-	-	-	BOLT .. Air duct mounting - 5/8 - 11 x 1-1/2 hex. head				
*15	179843	-	6	8	8	8	BOLT .. Air duct mounting - 3/8 - 16 x 1-1/2 hex. head				
*16	103325	4	-	-	-	-	WASHER .. Lock - 5/8				
*17	103321	-	6	8	8	8	WASHER .. Lock - 3/8				
*18	8260767	-	-	1	-	-	ADAPTER .. Air duct - No. 2 and 5 traction motors				
*19	8419903	-	-	1	-	-	ADAPTER .. Air duct - No. 1,3,4 and 6 traction motor				
*20	9328146	-	-	-	1	-	ADAPTER .. Air duct - No. 2 and 5 traction motor - Prev. 8255670				
*21	8477408	-	-	-	1	-	ADAPTER .. Air duct - No. 1,3,4 and 6 traction motor				
*22	8499995	-	-	-	-	1	ADAPTER .. Air duct - No. 2 and 5 traction motor				
*23	8499996	-	-	-	-	1	ADAPTER .. Air duct - No. 1,3,4 and 6 traction motor				
*24	9433487	-	-	8	-	-	BOLT .. Adapter to traction motor - 3/8 - 16 x 1 hex. head - Formerly 179839				
*25	446362	-	-	8	-	-	WASHER .. Lock - 3/8 - Formerly 103321				
*26	271554	-	-	-	4	4	BOLT .. 5/8 - 11 x 1 hex. head - Adapter to traction motor				
*26A	271558	4	4	-	-	-	BOLT .. 5/8 - 11 x 1-1/2 hex. head - Adapter to traction motor - GL18M only				
*27	103325	4	4	-	4	4	WASHER .. Lock - 5/8				
8383510A	8415024	8420974	8477409A	8499997	9329416	SR264U					
D1522E											

TRACTION MOTOR AIR DUCT

P.L. No. D1522-E

Air Duct Assembly
JT22CW-2, G26CW, GT26CW and GT26CW-2 Locomotives



Ref. No. 1
PLATE A1522-E-3

Ref. No.	Part Number	No. Req.	Description
<i>Quantities listed show parts required for one (1) air duct assembly only.</i>			
1	8254772	1	DUCT ASSEMBLY .. Air
2	8020225	1	DUCT .. Air - Flexible
3	8254771	1	BRACKET ASSEMBLY .. Air duct guide - Lower
4	8255138	1	PLATE .. Wear
5	114668	8	SCREW .. Machine - 3/8-16 x 5/8 flat head
6	8254078	1	BRACKET .. Air duct guide - Upper
7	8414863	4	RING .. Clamping - Half
8	9433487	12	BOLT .. Clamping ring to lower air duct guide bracket - 3/8-16 x 1 hex. head - Previously 179838
9	446362	12	WASHER .. Plain - 3/8 - Previously 103321
10	8254773	12	BOLT .. Clamping ring to upper air duct guide bracket and underframe - 3/8-16 x 2 hex. head
11	103321	12	WASHER .. Lock - 3/8
12	102635	12	NUT .. 3/8-16 hex.
13	8419903	1	ADAPTER .. Air duct (No. 1,3,4 and 6 traction motor)
*14	8260767	1	ADAPTER .. Air duct (No. 2 and 5 traction motor)
15	9433487	8	BOLT .. Adapter to traction motor - 3/8-16 x 1 hex. head - Formerly 179839
16	446362	8	WASHER .. Lock - 3/8 - Formerly 103321

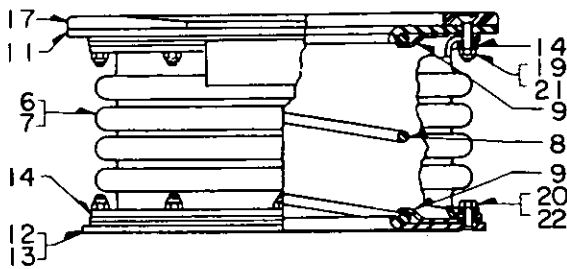
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P.L. No. D1522-E

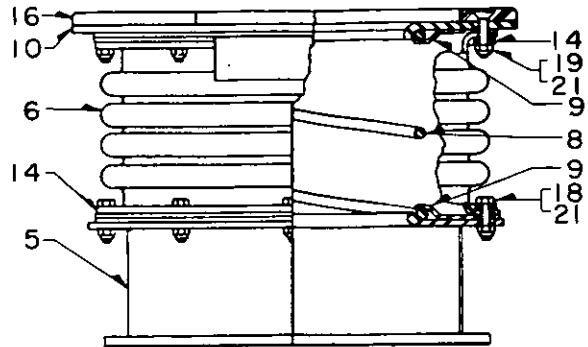
TRACTION MOTOR AIR DUCT

Air Duct Assembly

G22CU,G22CW,GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. Nos. 1,3 and 4



Ref. No. 2

PLATE A1522-E-4

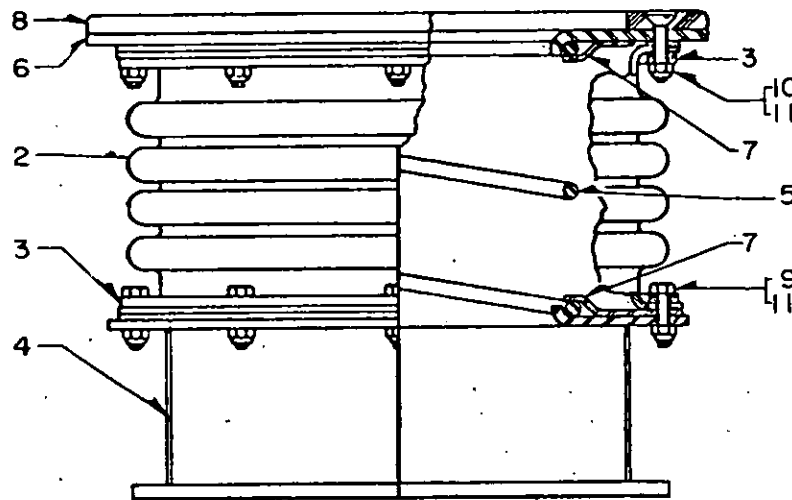
Ref. Part Number Description
No. Number Required

Quantities listed show parts required for one (1) duct assembly. When replacing all duct assemblies on a locomotive, order the quantities corresponding to the number of traction motors shown in the description column.

Ref. No.	Part Number	Number Required	Description
1	8455616	1	DUCT ASY. ... Air - No. 1 and 6 traction motor - G22CU,GT22CU,GT26CU-2
2	8455617	1	DUCT ASY. ... Air - No. 2,3,4 and 5 traction motor - G22CU,GT22CU,GT26CU-2
3	8472177	1	DUCT ASY. ... Air - No. 3 and 4 traction motor - G22CW,GT22CW,GT26CW-2
4	8472178	1	DUCT ASY. ... Air - No. 1,2,5 and 6 traction mtr. - G22CW,GT22CW,GT26CW-2
5	8455613	1	DUCT .. Air - Metal
6	8020225	1	DUCT .. Air - Flexible
7	8020225	1	DUCT .. Air - Flexible
8	8341308	1	SPRING .. Expansion
9	8341527	2	PLATE .. Spring retainer
10	8371419	1	PLATE .. Spring bearing
11	8442507	1	PLATE .. Spring bearing
12	8448757	1	PLATE .. Spring bearing and base
13	8472176	1	PLATE .. Spring bearing and base
14	8414863	4	RING .. Clamping - Half
*15	8324388	1	RING .. Clamping - Bottom
16	8371418	1	PLATE .. Wear - Upper
17	8442493	1	PLATE .. Wear - Upper
18	179841	12	BOLT .. 3/8 - 16 x 1-1/4 hex. head
19	114677	12	SCREW .. Machine - 3/8 - 16 x 1-3/4 flat head
20	133841	12	SCREW .. Machine - 5/16 - 18 x 1-1/4 flat head
21	9416513	12	NUT .. Lock - 3/8 - 16 hex.
22	9416511	12	NUT .. Lock - 5/16 - 18 hex.
*23	8341305	1	PLATE .. Spring bearing
*24	160716	12	SCREW .. 5/16 - 18 x 1 pan head - Previously 155423
*25	138538	12	WASHER .. Lock - 5/16
*26	8324386	1	PLATE .. Air duct adapter
*27	9416517	2	NUT .. Lock - 1/2 - 13 hex. - Welds to plate
*28	8391181	1	PLATE .. Air duct adapter
*29	180179	2	BOLT .. Air duct to adapter plate - 1/2 - 13 x 1-3/4 hex. head
*30	180173	2	BOLT .. Air duct to adapter plate - 1/2 - 13 x 1 hex. head
*31	120384	2	WASHER .. Lock - 1/2
*32	180120	6	BOLT .. Air duct to traction motor - 3/8 - 16 x 1 hex. head
*33	138542	6	WASHER .. Lock - 3/8 - Internal teeth
*34	9433487	6	BOLT .. Air duct to traction motor - 3/8 - 16 x 1 hex. head - Form. 179839
*35	446362	6	WASHER .. Lock - 3/8 - Formerly 103321

8455708 8472179B SR2644

TRACTION MOTOR AIR DUCT

Air Duct Assembly
G22CW LocomotiveRef. No. 1
PLATE A1522-E-5

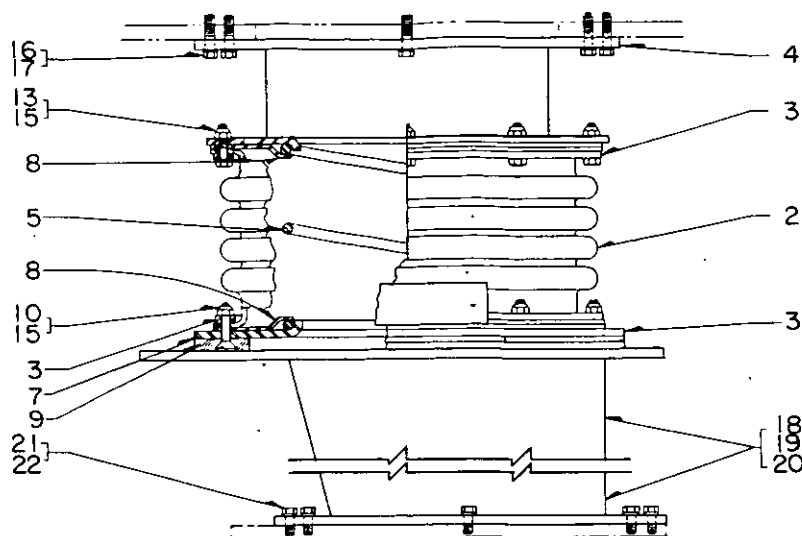
Ref. No.	Part Number	No. Req.	Description
<i>Quantities listed show parts required for one (1) air duct assembly only.</i>			
1	8341414	1	DUCT ASY. ... Air traction motor
1	8442665	1	DUCT ASY. ... Air traction motor
2	8020225	1	DUCT .. Flexible - Air
3	8414863	4	RING .. Clamp - Half
4	8421418	1	BRACKET .. Air duct mounting - Replaces 8341413.
5	8341308	1	SPRING .. Coil - Tension
6	8341306	1	PLATE .. Spring - Bearing - 16-3/4 x 16-3/8
6	8442507	1	PLATE .. Spring - Bearing - 20-3/8 x 16-3/4
7	8341527	2	PLATE .. Spring retainer
8	8179589	1	PLATE .. Wear - Upper - 16-3/4 x 16-3/8 x 1/2 in. thick
8	8442493	1	PLATE .. Wear - Upper - 20-3/8 x 16-3/4 x 1/2 in. thick
9	179843	12	BOLT .. Bracket to duct - 3/8-16 x 1-1/2 hex. head - Formerly 179841
10	114677	12	SCREW .. Retainer & wear plate mounting - 3/8-16 x 1/2 flat head
11	9416513	24	NUT .. Lock - 3/8-16 hex. - Replaces 442813
*12	9433487	8	BOLT .. Duct to traction motor - 3/8-16 x 1-hex. head - Formerly 179839
*13	446362	8	WASHER .. Lock - 3/8 - Formerly 103321

SR164U

AUGUST, 1980

P.L. No. A1522-E

TRACTION MOTOR AIR DUCT
Air Duct Assembly
G22CW and JT22CW Locomotives



Ref. No. 1
PLATE B1522-E-6

Ref. Part Number
No. Number Required Description

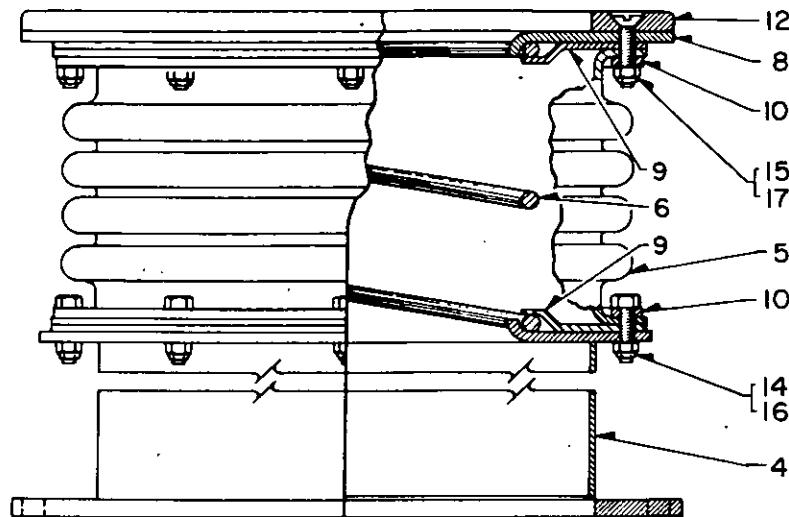
Quantities listed show parts required for one (1) duct assembly or one adapter. When replacing all duct assemblies or adapters on a locomotive, order the quantities corresponding to the number of traction motors shown in the description column.

* 1	9317333	1	-	-	DUCT ASY. .. Air traction motor - No. 4 traction motor - G22CW
1	8420690	-	1	-	DUCT ASY. .. Air traction motor - No. 1,2,3,5 and 6 traction motor - G22CW
1	9310654	-	-	1	DUCT ASY. .. Air traction motor - No. 3 and 4 traction motor - JT22CW
1	9310651	-	-	1	DUCT ASY. .. Air traction motor - No. 1,2,5 and 6 traction motor - JT22CW
2	8020225	1	1	1	DUCT .. Flexible - Air
3	8414863	4	4	4	RING .. Clamp - Half
4	9317332	1	-	-	BRACKET .. Air duct mounting
4	8420689	-	1	-	BRACKET .. Air duct mounting
4	9310655	-	-	1	BRACKET .. Air duct mounting
4	9310652	-	-	1	BRACKET .. Air duct mounting
5	8341308	1	1	1	SPRING .. Coil - Tension
6	8341305	1	-	-	PLATE .. Spring - Bearing - 12-1/4 x 14-1/2 in.
7	8341306	-	1	1	PLATE .. Spring - Bearing - 16-3/4 x 16-3/8 in.
8	8341527	2	2	2	PLATE .. Spring retainer
9	8179589	1	1	1	PLATE .. Wear - Upper
10	114677	12	12	12	SCREW .. Retainer and wear plate mounting - 3/8 - 16 x 1/2 flat head
* 11	160716	12	-	-	SCREW .. Retainer and wear plate mounting - 5/16 - 18 x 1
* 12	138538	12	-	-	WASHER .. Lock - 5/16
13	179843	-	12	-	BOLT .. Air duct mounting - 3/8 - 16 x 1-1/2 hex.
* 14	179841	-	-	12	BOLT .. Air duct mounting - 3/8 - 16 x 1-1/4 hex.
15	9416513	12	24	24	NUT .. 3/8 - 16 self-locking
16	179843	8	8	8	BOLT .. Air duct mounting - 3/8 - 16 x 1-1/2 hex.
17	103321	8	8	8	WASHER .. Lock - 3/8
18	8419903	1	-	-	ADAPTER .. Air duct - No. 1 and 6 traction motors on JT22CW locomotives; No. 1,3,4 and 6 on G22CW locomotives
19	8260767	1	-	-	ADAPTER .. Air duct - No. 2 and 5 traction motors on JT22CW and G22CW locomotives
20	9310678	1	-	-	ADAPTER .. Air duct - No. 3 and 4 traction motors on JT22CW locomotives
21	9433487	8	-	-	BOLT .. Adapter to traction motor - 3/8 - 16 x 1 hex.
22	446362	8	-	-	WASHER .. Plain - 3/8
9317560,9310677,9310650					

P.L. No. D1522-E

TRACTION MOTOR AIR DUCT

Air Duct Assembly
G22CU, G26CU and GT26CU-2 Locomotives



Ref. No. 2
PLATE A1522-E-7

Ref. No.	Part Number	No. Req.	Description
* 1	8492360	1 -	DUCT ASY. ... Air - No. 1 and 6 traction motor
2	8493093	- 1	DUCT ASY. ... Air - No. 2,3,4 and 5 traction motor
* 3	8382489	1 -	PLATE .. Spring retainer mounting
4	8492359	- 1	BRACKET .. Metal duct
5	8020225	1 1	DUCT .. Air - Flexible
6	8341308	1 1	SPRING .. Expansion
* 7	8442507	1 -	PLATE .. Spring bearing - 20-3/8 x 16-3/4 x 1/4 in. thick
8	8371419	- 1	PLATE .. Spring bearing - 15-1/2 x 13-5/8 x 1/4 in. thick
9	8341527	1 2	PLATE .. Spring retainer
9	8383511	1 -	PLATE .. Spring retainer - Lower
10	8414863	4 4	RING .. Clamping
*11	8442493	1 -	PLATE .. Wear - Upper - 20-3/8 x 16-3/4 x 1/2 in. thick
12	8371418	- 1	PLATE .. Wear - Upper - 15-1/2 x 13-5/8 x 1/2 in. thick
*13	114674	12 -	SCREW .. Machine - 5/16 - 18 x 1-1/4 flat head slotted
14	179843	- 12	BOLT .. 3/8 - 16 x 1-1/2 hex. head - Replaces 179841
15	114677	12 12	SCREW .. Machine - 3/8 - 16 x 1-3/4 flat head slotted
16	9416513	24 24	NUT .. Lock - 3/8 - 16 hex.
17	271554	4 4	BOLT .. Duct assembly to traction motor - 5/8 - 11 x 1 hex. head
*18	103325	4 4	WASHER .. Lock - 5/8

8493333A

AUGUST, 1980

D1522-E

Parts List No. D1556-E

JOURNAL BOXES

Hyatt 5-1/2 x 10 JMRA Roller Bearing Journal Box
 G18U,G18W,G22W,G22CU,JT22CW-2,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

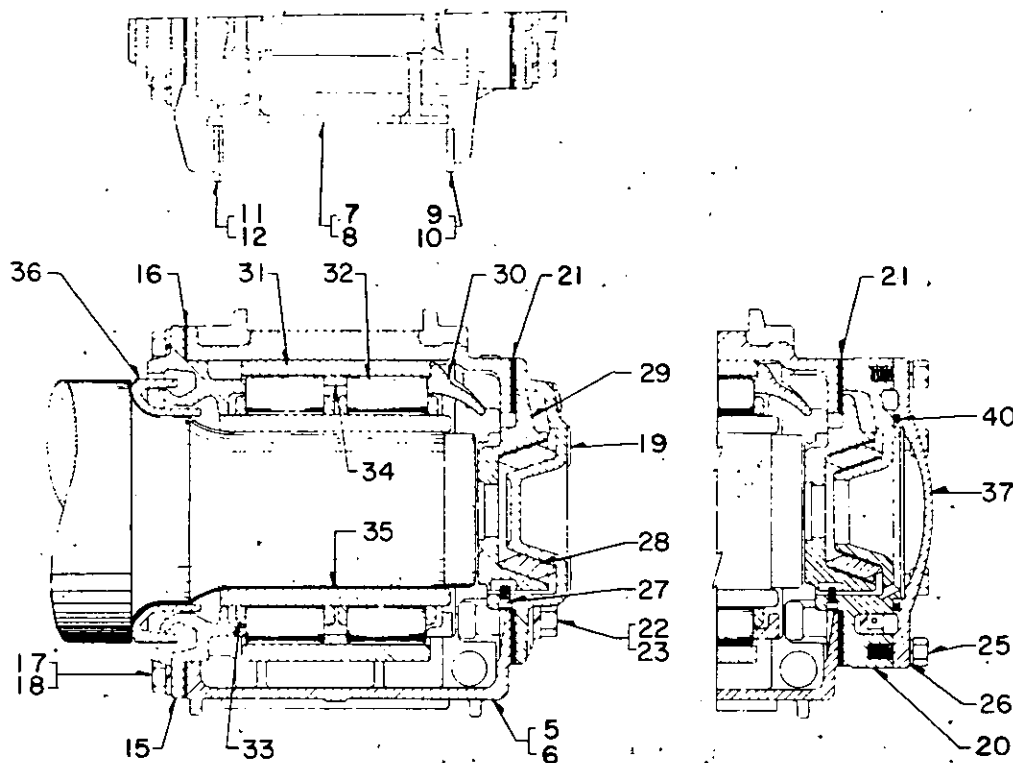


PLATE C1556-E-1

Ref. No.	Part Number	Number Required				Description	Replaces	Locomotive Application
		A	B	C	D			
* 1	7476020	1	-	-	-	BOX .. Journal - Plain	6912905	G18U,G18W,G22W, G22CU,JT22CW-2, G26CW,GT26CW,GT26CU-2, GT26CW-2 G22CU G18U,W-G22W,JT22CW-2, G26CW,GT26CW,GT26CU-2 G22CU
* 2	8301052	-	1	-	-	BOX .. Jrl. - Pln. - W/manganese liner	----	
* 3	7476021	-	-	1	-	BOX .. Journal - Combination	6912908	
* 4	8301050	-	-	-	1	BOX .. Jrl. - Comb. - W/Manganese liner	----	
# 5	7482088	1	-	1	-	HOUSING ASY. .. Journal box - Replaces 8305975		
6	8303615	-	1	-	1	HOUSING ASY. .. Journal box - With manganese liners		
7	7493646	2	-	2	-	LINER .. Driving face - Replaces 6913033		
## 8	8301075	-	2	-	2	LINER .. Driving face - Manganese		
9	7493667	2	-	2	-	LINER .. Strip - Front - Replaces 8175381		
10	7493672	-	2	-	2	LINER .. Strip - Front - Manganese - Replaces 8301077		
11	7493726	2	-	2	-	LINER .. Strip - Rear - Replaces 8172337		

Box 8301050 is difficult to procure. Box 7476021, with carbon steel liners, can be used as a substitute. Box 8301050 can be obtained only by first requesting a formal quotation from Parts Pricing. After receipt of quotation, order must be placed at LaGrange with a note referencing Parts Pricing's quotation.

Housing 7482088 is difficult to procure. Housing 8303615 with manganese liners, can be used as a substitute. Housing 7482088 can be obtained only by first requesting a formal quotation from Parts Pricing. After receipt of quotation, order must be placed at LaGrange with a note referencing Parts Pricing's quotation.

Liner 8301075, made of manganese steel, is no longer available. The only substitute available is liner 7493646 which is made of carbon steel.

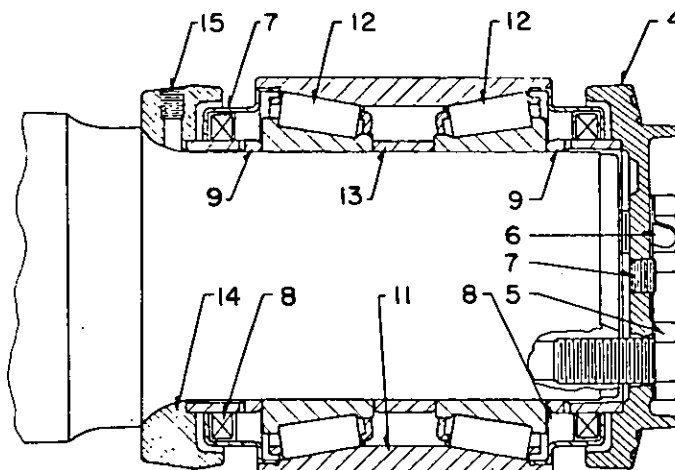
P.L. No. D1556-E

JOURNAL BOXES

Ref. No.	Part Number	Number Required				Description
		A	B	C	D	
						BOX .. Journal
-	----	1	1	1	1	HOUSING ASY. .. Journal box
12	7493813	-	2	-	2	LINER .. Strip - Rear - Manganese - Replaces 8301076
*13	7491829	1	1	1	1	CLIP .. Wiring - Pipe plug - Replaces 7491806
*14	7491806	2	2	2	2	PLUG .. Pipe - 1 M.P.T. - Square head - Replaces 8102042
15	7490632	1	1	1	1	CAP .. Rear end - Replaces 6913026
16	7492208	1	1	1	1	GASKET .. Rear end cap to housing - Replaces 6913038
17	271558	8	8	8	8	BOLT .. 5/8 - 11 x 1-1/2 hex. head - Formerly 8102852
18	8133334	8	8	8	8	WASHER .. Lock - 5/8 - Formerly 103325
19	7491077	1	1	-	-	COVER .. Front - Replaces 8264031
20	7491080	-	-	1	1	COVER .. Front - Replaces 6913031
21	7498210	7	7	7	7	SHIM .. Front cover - Replaces 6913047
22	271611	6	6	6	6	BOLT .. 3/4 - 10 x 2 hex. head - Formerly 6913162
23	8133335	6	6	6	6	WASHER .. Lock - 3/4 - Formerly 103326
*24	8122275	As. Req.				WIRE .. Lock - 14 ga. steel 500 ft.
25	179885	-	-	6	6	BOLT .. Front cover - 1/2 - 13 x 2-1/8 in. long - Formerly 8172332 bolt and 102687 nut
26	8137718	-	-	6	6	WASHER .. Lock - 1/2 - Formerly 103323
27	186923	1	1	1	1	SCREW .. Cap - 1/4 - 20 x 5/8 hex. socket
28	7494211	1	1	1	1	NUT .. Thrust - Reselient - Replaces 6913028
29	7498819	1	1	1	1	BLOCK .. Thrust - Replaces 6913029
30	7496440	1	1	1	1	RING .. Retainment - Replaces 6913027
31	7451293	1	1	1	1	RACE .. Outer - Replaces 6913034
32	7451945	28	28	28	28	ROLLER .. Bearing - Replaces 6913035
33	7451944	2	2	2	2	CAGE .. Bearing roller - Replaces 6913036
34	7451291	1	1	1	1	RING .. Center - Cage spacer - Replaces 6913037
+35	7451292	1	1	1	1	RACE .. Inner - Replaces 6912799
+36	7492453	1	1	1	1	GUARD .. Water - Replaces 6912563
+37	8172333	-	-	1	1	PLATE .. Cover closure - (Applied only for shipping or when speed recorder is not used).
φ+*38	6914293	-	-	1	1	ADAPTER .. Speed recorder head
φ+*39	8206729	-	-	1	-	ADAPTER .. Speed recorder axle drive
+ 40	8172334	-	-	1	1	GASKET .. Cover closure plate, speed recorder head or adapter to front cover

JOURNAL BOXES
 Hyatt 6 x 11 and 6-1/2 x 12 Hy - Roll Taper Roller Journal Box
 GA18,G18W,G26CW and GT26CW Locomotives

P.L. No. D1556-E



Ref. No. 1
 PLATE D1556-E-2

Ref. No.	Part Number	No. Req.	Description	Replaced By	Locomotive Application
1	7475387	1	BOX ASY. .. Journal - 6 x 11 hy-roll taper	8342136 (See Pg. 4)	GA18
* 2	7475492	- 1	BOX ASY. .. Journal - 6-1/2 x 12 hy-roll taper	8289941 (See Pg. 5)	G18W,G26CW GT26CW
* 3	7475493	- 1	BOX ASY. .. Journal - 6-1/2 x 12 hy-roll taper		
4	7491656	1	CUP .. Locking		
4	7491660	- 1	CUP .. Locking		
5	271856	3	BOLT .. 1 - 8 x 2-1/4 hex. head		
5	274185	- 3	BOLT .. 1 - 1/8 - 7 x 2-1/2 hex. head		
6	7495904	1	PLATE .. Locking - Replaces 7495874		
6	8372102	- 1	PLATE .. Locking - Replaces 7495883		
7	8348620	1	PLUG .. Pipe - 1/2 M.P.T. - Replaces 112715 - Applicable to 7475492 only		
7	8189406	- 1	FITTING .. Grease - Replaces 7491843 - Applicable to 7475493 only		
8	7497515	2	SEAL .. Grease		
8	8397176	- 2	SEAL .. Grease - Replaces 7497510		
9	7496609	2	RING .. Seal - Replaces 7496678		
9	7496641	- 2	RING .. Seal - Replaces 7496708		
*10	7451264	1	BEARING ASY. .. Taper roller		
*10	9438097	- 1	BEARING ASY. .. Taper roller - Replaces 7451268		
11	7451265	1	RACE .. Outer		
11	7451269	- 1	RACE .. Outer		
12	7451267	2	RACE .. Inner - Includes roller bearings		
12	7451271	- 2	RACE .. Inner - Includes roller bearings		
13	7451266	1	SPACER .. Inner race		
13	8397175	- 1	SPACER .. Inner race - Replaces 7451270		
14	7483111	1	RING .. Dust guard - Replaces 7492518		
14	7483115	- 1	RING .. Dust guard - Replaces 7492522		
15	8347429	1	FITTING .. Vent - Replaces 7491877		
+*16	8261916	1	ADAPTER .. Journal box		
+*17	8317850	1	KEY .. Retainer - Journal box		
+*18	102487	1	BOLT .. Retainer key - 3/4 - 10 x 2-3/4 square head		
+*19	9416522	1	NUT .. Lock - 3/4 - 10 hex.		
+*20	8284398	- 1	ADAPTER .. Journal box - Drilled for speed recorder adapter		
+*21	8322669	- 1	ADAPTER .. Journal box - Plain - Formerly 8326664		
+*22	8292006	- 1	RETAINER .. Journal box adapter		
+*23	271562	- 1	BOLT .. Adapter to retainer - 5/8 - 11 x 2 hex. head		
+*24	103325	- 1	WASHER .. Lock - 5/8		

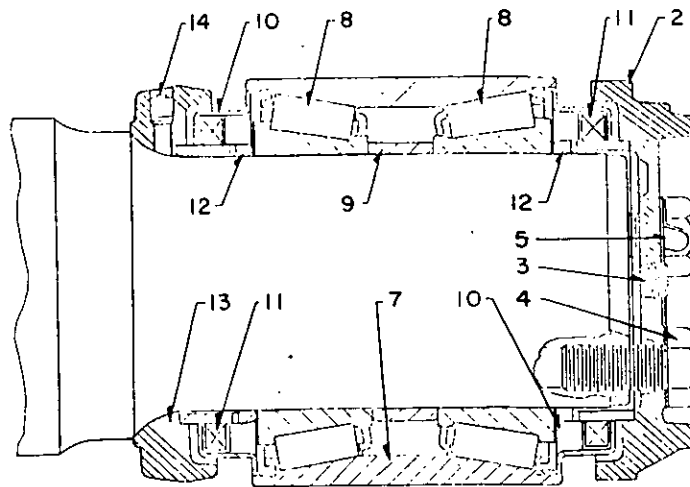
† Cup 7491660 is no longer available. Use cup 8376096.

‡ Race 7451269 and 7451271 are no longer available. Recommend using 9438097 roller bearing assembly.

P.L. No. D1556-E

JOURNAL BOXES

Timken 6 x 11 Taper Roller Bearing Journal Box
G18U, GL18M, G22U, G22W and GL22C Locomotives



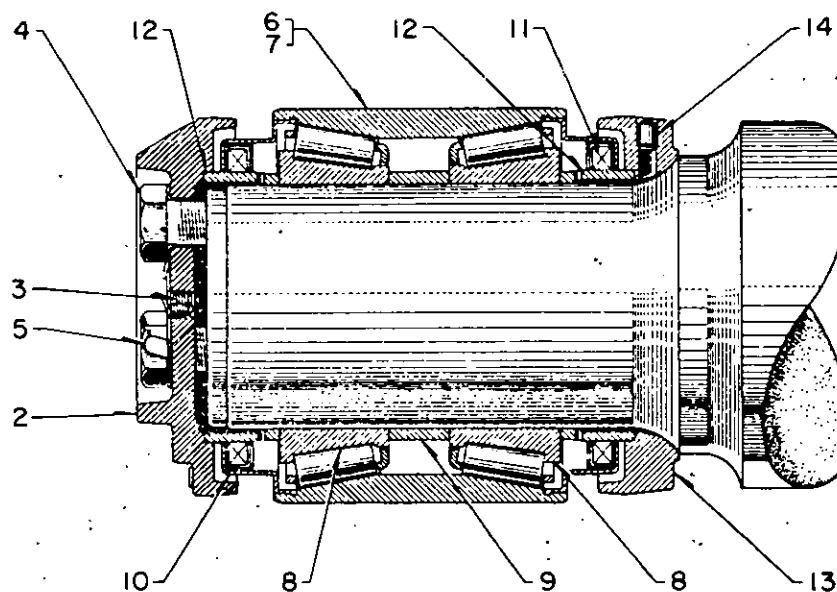
Ref. No. 1

PLATE A1556-E-3

Ref. No.	Part Number	No. Req.	Description
1	8342136	1	BOX ASY. ... Journal - 6 x 11 taper
2		1	CAP .. Axle end
3	8348620	1	PLUG .. Pipe - 1/2 M.P.T. - Square socket
4		3	BOLT .. Cap mounting
5		1	PLATE .. Locking
* 6		1	BEARING ASY. ... Unit - Taper roller
7		1	CUP .. Double
8		2	ROLLER ASY. ... Journal box - Includes cage and cone
9		1	SPACER .. Cone
10		2	SEAL ASY. ... Bearing
11		2	ELEMENT .. Seal
12		2	RING .. Seal wear
13		1	RING ASY. ... Backing
14	8347429	1	FITTING .. Vent
+*15	8381752	1	ADAPTER .. Journal box - Drilled for speed recorder adapter
φ+*15	9317778	1	ADAPTER .. Journal box - Drilled for speed recorder
φ+*15	9319810	1	ADAPTER .. Journal box - Drilled for speed recorder
+*16	8380695	1	ADAPTER .. Journal box - Plain
φ+*16	9319809	1	ADAPTER .. Journal box - Plain

JOURNAL BOXES

Timken 6-1/2 x 12 Hy-Roll Taper Roller Bearing Journal Box
G18U, G22U, G22W, G22CU, GT22CU, G26CU and GT26CU-2 Locomotives



Ref. No. 1
PLATE A1556-E-4

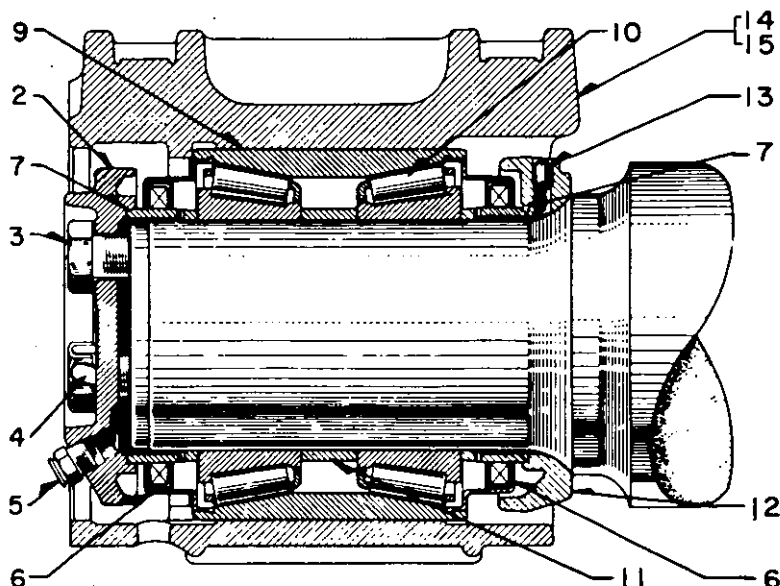
Ref. No.	Part Number	No. Req.	Description
1	8289941	1	BOX ASY. ... Journal - 6-1/2 x 12 taper
2	8376096	1	CAP .. Axle end
3	8348620	1	PLUG .. Pipe - 1/2 M.P.T. - Square socket
4	274185	3	BOLT .. 1-1/8 - 7 x 2-1/2 hex. head
5	8372102	1	PLATE .. Locking
6	8397172	1	BEARING ASY. ... Unit - Taper roller
7	8397173	1	CUP .. Double
8	8397174	2	ROLLER ASY. ... Journal box - Includes cage and cone
9	8397175	1	SPACER .. Cone
* 9A	9530568	1	SEAL ASY. ... Includes seal and ring
10	8397176	2	SEAL ASY. ... Bearing
† 11	8376097	2	ELEMENT .. Seal
12	8397183	2	RING .. Seal wear
13	8397184	1	RING ASY. ... Backing
14	8347429	1	FITTING .. Vent
+*15	8284398	1	ADAPTER .. Journal box - Drilled for speed recorder adapter
+*15	8284397	1	ADAPTER .. Journal box - Drilled for speed recorder adapter - Idler - G22U
+*16	8322664	1	ADAPTER .. Journal box - Plain
+*17	8292006	1	RETAINER .. Journal box adapter
+*18	271562	1	BOLT .. Adapter to retainer - 5/8 - 11 x 2 hex. head
+*19	103325	1	WASHER .. Lock - 5/8

† This element is no longer available separately. Recommend using complete seal assembly 8397176

P.L. No. D1556-E

JOURNAL BOXES

Hyatt 6-1/2 x 12 Hy-Roll Taper Roller Bearing Journal Box
G22CU, G22CW, GT22CU, GT22CW, G26CU and GT26CW Locomotives



Ref. No. 1

PLATE A1556-E-5

Ref. No.	Part Number	No. Req.	Description
1	7475501	1	BOX ASY. .. Journal - 6-1/2 x 12 hy-roll taper - Replaced by 8442338
† 2		1	CUP .. Locking
3	274185	3	BOLT .. Locking cup to axle - 1-1/8 - 7 x 2-1/2 hex. head
4	8372102	1	PLATE .. Locking - Replaces 7495883
5	8189406	1	FITTING .. Grease - 1/2 M.P.T. - Replaces 7491843
6	8397176	2	SEAL ASY. ... Grease - Includes shell - Replaces 7497510
7	7496641	2	RING .. Seal - Formerly 7496691
* 8	9438097	1	BEARING ASY. .. Taper roller - Replaces 7451268
# 9		1	RACE .. Outer
# 10		2	RACE .. Inner - Includes bearings
11	8397175	1	SPACER .. Inner race - Replaces 7451270
12	8397184	1	RING .. Dust guard - Replaces 7492522
13	8347429	1	FITTING .. Vent - Replaces 7491877
φ 14	8467674	1	ADAPTER .. Journal box - Plain
φ 15	8467673	1	ADAPTER .. Journal box - Tapped for speed recorder adapter
* 16	8467678	2	PLATE .. Wear - 1/4 x 6-3/4 x 11-1/8 in.
* 17	8467679	2	PLATE .. Wear - 3/8 x 1-3/4 x 5-3/4 in.

† Original cup is no longer furnished. Use cup 8442372.

The inner and outer race are no longer furnished separately. Recommend using bearing assembly 9438097.

P.L. No. D1556-E

JOURNAL BOXES

Hyatt 6-1/2 x 12 Straight Roller Bearing Journal Boxes
G22CW Locomotives
PLATE B1556-E-6

Ref. No.	Part Number	No. Req.			Description	Type	Lub.
		A	B	C			
1	7476258	1	-	-	BOX ASY... Journal - Plain - Replaces 7476218	JEM	Oil
* 2	7476253	-	1	-	BOX ASY... Journal - Combination	JEM	Oil
3	7476219	-	-	1	BOX ASY... Journal - Combination - Replaced by the following components: 1 - 7476253 Combination journal box asy. 1 - 8041902 Speed recorder drive adapter 1 - 8041903 Adapter cover gasket 1 - 8041904 Adapter cover 6 - 8102043 Adapter cover mounting bolt 6 - 103321 Lockwasher	JEM	Oil
4	8225758	1	1	1	HOUSING ASY... Journal box		
5	8102853	2	2	2	LINER .. Driving face		
6	8034116	2	2	2	LINER .. Strip - Front		
7	8077336	2	2	2	LINER .. Strip - Rear		
8	8102042	2	2	2	PLUG .. Pipe - 1 in. square head		
9	7496449	1	1	1	RING .. Retainment - Replaces 8204226		
10	8035786	1	1	1	RACE .. Outer		
11	7490779	1	1	1	CAP .. Rear end - Replaces 8102013		
12	8102014	1	1	1	GASKET .. Cap to housing		
13	271609	8	8	8	BOLT .. Rear end cap mounting - 3/4 - 10 x 1-3/4 hex. head		
14	8133335	8	8	8	WASHER .. Lock - 3/4 - Special hardening		
15	7491311	1	-	-	COVER .. Front - Plain		
*16	7491840	1	-	-	PLUG .. Pipe - 1-1/2 in. - Located in center of cover 7491311		
17	8148708	4	4	4	SHIM .. Cover to housing - Plain		
18	271657	6	6	6	BOLT .. Front cover mounting - 7/8 - 9 x 2-1/4 hex. head		
19	8137717	6	6	6	WASHER .. Lock - 7/8 - Special hardening		
20	8148707	-	1	1	COVER .. Front - Combination adapter		
21	8041902	-	-	1	ADAPTER .. Drive - Speed recorder		
22	8034123	-	1	1	GASKET .. Drive adapter to front cover		
23	271558	-	6	6	BOLT .. Adapter mounting - 5/8 - 11 x 1-1/2 hex. head		
24	8133334	-	6	6	WASHER .. Lock - 5/8 - Special hardening		
25	8134481	1	1	1	UNIT .. Thrust - Resilient		
φ 26	8148710	1	1	1	BLOCK .. Thrust - Bi-metal		
φ 26	9087625	1	1	1	BLOCK .. Thrust - Bronze		
27	186923	1	1	1	SCREW .. Cap - Block ret. - 1/4 - 20 x 5/8 hex. socket head		
28	8041904	-	-	1	COVER .. Adapter		
29	8041903	-	-	1	GASKET .. Adapter cover		
30	8102043	-	-	6	BOLT .. Adapter cover mounting - 3/8 - 16 x 1 hex. head		
31	103321	-	-	6	WASHER .. Lock - 3/8		

The following components, reference no's 32 thru 39, are applicable to columns A,B and C.

32	8035789	2			CAGE .. Roller - Separator - Bronze		
33	8035790	1			RING .. Center - Roller spacer		
34	8062800	28			ROLLER .. Bearing		
+*35	9324109	1			CUP ASY... Oil filler - Replaces 8389088		
+*36	8406884	1			LINK .. Cap retaining		
+*37	8141664	1			INDICATOR .. Heat - Odor bomb		
+*38	8141662	1			RING .. Snap - Indicator retainer		
+ 39	8035787	AR			RACE .. Inner - 6.500 I.D. - 8230114 .. .020 under size		
+φ40	8259873	1			GUARD .. Water		
+φ40	9084865	1			GUARD .. Water		

P.L. No. D1556-E

JOURNAL BOXES

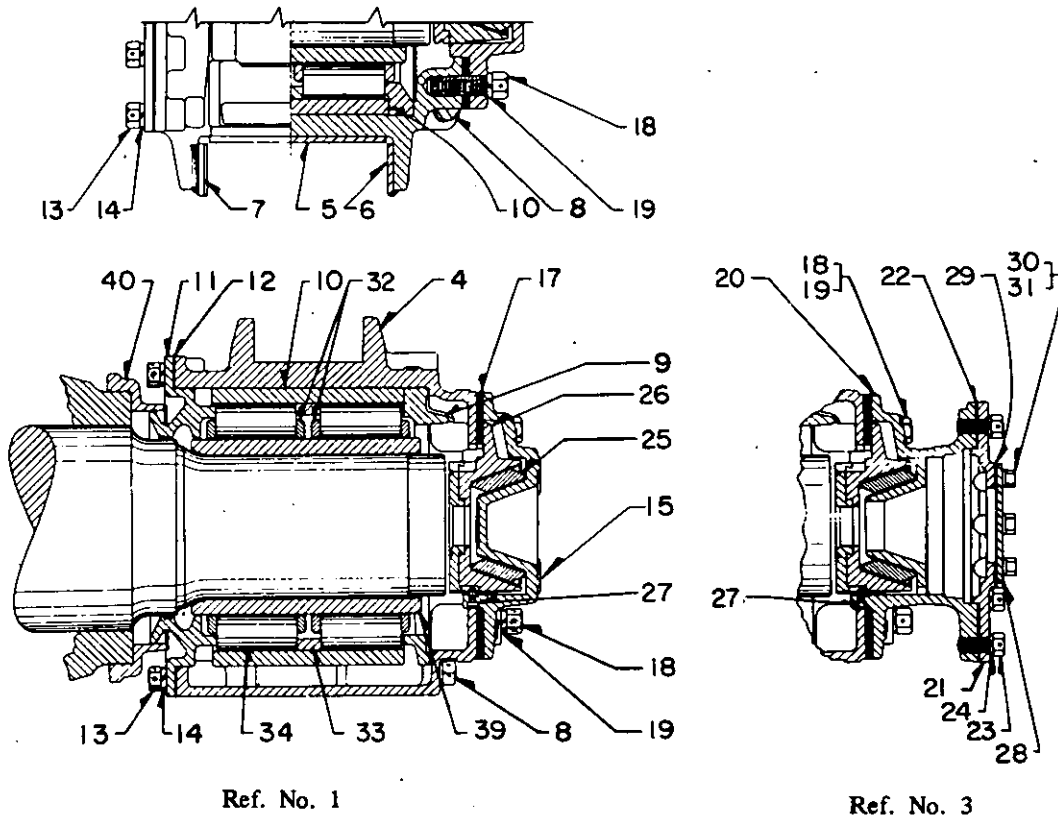
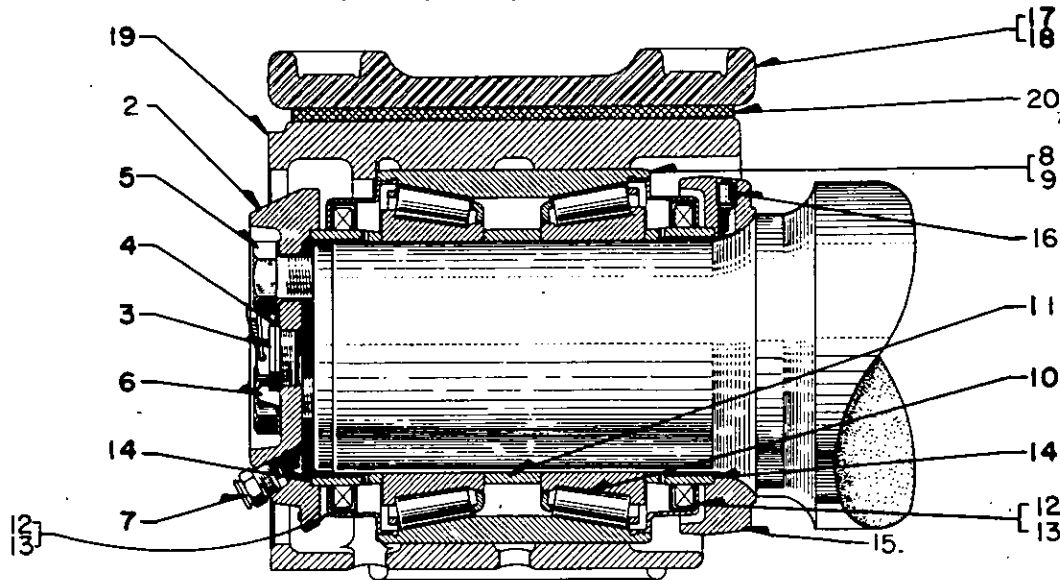


PLATE B1556-E-6

JOURNAL BOXES

P.L. No. D1556-E

Timken 6-1/2 x 12 Tapered Roller Bearing Journal Boxes and Adapters
 G18W,G22W,G22CU,G22CW,GT22CU,GT22CW,JT22CW,
 JT22CW-2,G26CU,G26CW,GT26CW and GT26CW-2 Locomotives



Ref. No. 1
 PLATE A1556-E-7

Ref. No.	Part Number	Number Required		Description	Locomotive Application
		A	B		
* 1	8442338	1	-	BOX .. Journal - Standard	G18W,G22W,G22CU,G22CW,GT22CU,GT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CW-2
1	8288821	-	1	BOX .. Journal - Heavy duty	JT22CW
2	8442372	1	-	CAP .. Axle end	
2	8397177	-	1	CAP .. Axle end	
3	8397179	-	1	PLUG .. 1-1/2 - 18 drilled square head	
4	8397180	-	1	GASKET .. Plug to cap	
5	8397178	3	3	BOLT .. Cap mounting - 1-1/8 - 7 x 2-1/2 hex. head	
6	8372102	1	1	PLATE .. Locking	
7	8189406	1	1	FITTING .. Lubricating - 1/2 - 14 M.P.T.	
8	8397172	1	1	BEARING ASY... Unit	
9	8397173	1	1	CUP .. Double	
10	8397174	2	2	ROLLER ASY... Includes cone and cage	
11	8397175	1	1	SPACER .. Cone	
12	8397176	2	2	SEAL ASY... Bearing	
13				ELEMENT .. Seal - NF - Use complete seal asy. 8397176	
14	8397183	2	2	RING .. Wear	
15	8397184	1	1	RING ASY... Backing	
16	8347429	1	1	FITTING .. Vent	
					Journal Box Appl.
17	8469918	C	-	ADAPTER ASY... Plain	8288821,8442338
				Replaces 8367263	Locomotive Appl. All of above
17	8367264	-	D	ADAPTER ASY... Plain	8288821
17	8469919	-	E	ADAPTER ASY... Comb.	8288821,8442338
				Replaces 8367262	JT22CW only
17	8367265	-	F	ADAPTER ASY... Comb.	8288821
18	8368551	-	1	HOUSING .. Bearing - Plain	JT22CW only
18	8368548	-	-	HOUSING .. Bearing - Combination	
*19	8368552	-	1	SEAT .. Equalizer - Appl. to Baldwin conversion	
20	8368550	-	1	PAD .. Resilient	
*21	9313610		1	CAP ASY... Axle	Used With 8288821 - JT22CW Only
*22	9313474		1	PIN .. Speed recorder drive - .550 dia. x 1/2-13 thread one end	
*23	144025		1	PLUG .. Pipe - 1-1/4 M.P.T. square socket	
*24	9313608		1	PLATE .. Locking	

8442337, 8367267B, 8367268A

AUGUST, 1980

DRIVE SHAFT ASSEMBLY

Outboard and Inboard Drive Gear Unit Drive Shaft Assemblies
GA18 Locomotive

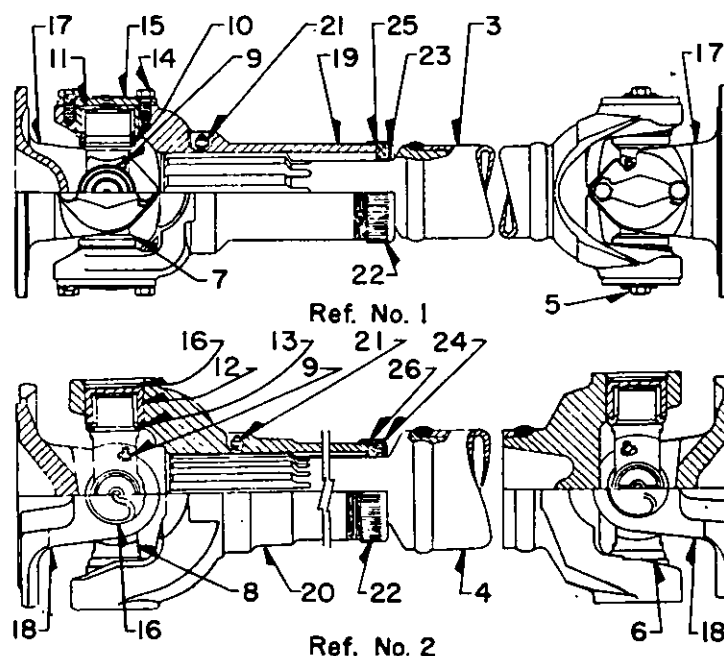


PLATE A1565-E-1

Ref. No.	Part Number	No. Req.	Description
1	8314111	A	SHAFT ASSEMBLY ... Drive - Outboard to inboard axle drive gear unit
2	8346483	B	SHAFT ASSEMBLY .. Drive - Traction motor to inboard axle drive gear unit
3	8323769	1	SHAFT ASSEMBLY .. Drive - Less universal
4	8391001	1	SHAFT ASSEMBLY .. Drive - Less universal
5	8316742	2	KIT ASSEMBLY .. Journal and bearing
6	8310581	2	KIT ASSEMBLY .. Journal and bearing
7	8323783	2	CROSS ASSEMBLY .. Journal ..
8	8323777	2	CROSS ASSEMBLY .. Journal
9	9411010	2	FITTING .. Grease
10	8323784	4	SEAL ASSEMBLY .. Bearing
11	8323785	4	BEARING ASSEMBLY .. Roller
12	8323778	4	BEARING ASSEMBLY .. Roller
13	8323779	4	SEAL ASSEMBLY .. Bearing
14	8293354	16	SCREW .. Cap - Bearing retaining - 3/8-24 x 11/16 hex. head
15	8283190	8	STRAP .. Lock
16	8233780	8	RING .. Snap - Bearing retaining
17	8323770	2	YOKE .. Flange
18	8323773	2	YOKE .. Flange
19	8323771	1	YOKE .. Sleeve
20	8323774	1	YOKE .. Sleeve
21	9411010	1	FITTING .. Grease
22	8238536	1	CAP .. Dust
23	8282475	1	WASHER .. Steel
24	8278537	1	WASHER .. Steel
25	8282474	1	WASHER .. Cork
26	8278538	1	WASHER .. Cork

Parts List No. B1570-E

AXLE DRIVE GEAR UNIT

Inboard and Outboard Axle Drive Gear Units
GA18 Locomotive

PLATE A1570-E-1

Ref. No.	Part Number	Number Required					Description	Gear Ratio
* 1	8314097	A	-	-	-	-	GEAR UNIT .. Axle drive - Outboard	4.07:1
2	8314096	-	B	-	-	-	GEAR UNIT .. Axle drive - Inboard	6.31:1
3	8333441	-	-	C	-	-	GEAR UNIT .. Axle drive - Inboard	4.92:1
4	8341374	-	-	-	D	-	GEAR UNIT .. Axle drive - Inboard	5.55:1
5	8345841	-	-	-	-	E	GEAR UNIT .. Axle drive - Inboard	7.34:1
* 6	8282449	1	-	-	-	-	FLANGE ASY. .. Companion - Output - Incl. sleeve	
7	8282437	-	1	1	1	1	FLANGE ASY. .. Companion - Output - Incl. sleeve	
8	8289067	1	1	1	1	1	WASHER .. Flange locking	
9	8278505	3	3	3	3	3	BOLT .. 5/8-18 x 1-5/8 drilled hex. head	
*10	8282456	1	-	-	-	-	CAP .. Bearing - Outer pinion	
11	8282445	-	1	1	1	1	CAP .. Bearing - Outer pinion	
*12	8282457	1	-	-	-	-	GASKET .. Bearing cap	
13	8278515	-	1	1	1	1	GASKET .. Bearing cap	
*14	179887	8	-	-	-	-	BOLT .. 1/2-13 x 1-3/4 hex. head	
15	179883	-	5	5	5	5	BOLT .. 1/2-13 x 1-1/4 hex. head	
16	9416230	8	5	5	5	5	WASHER .. Lock - 1/2	
17	8278517	-	1	1	1	1	SLINGER .. Oil	
*18	8282455	1	-	-	-	-	SLINGER .. Oil	
19	8282415	-	1	1	1	1	RING .. Snap - Bearing cap	
20	8282446	-	1	1	1	1	SPACER .. Outer pinion bearing	
21	8278499	-	1	1	1	1	COVER .. End - Helical gear drop box - Formerly 8287499	
22	8278500	-	2	2	2	2	SHIM .. End cover - .010	
23	8278501	-	2	2	2	2	SHIM .. End cover - .015	
24	8278502	-	1	1	1	1	SHIM .. End cover - .030	
25	8315335	-	1	1	1	1	SHIM .. End cover - .007	
26	8282416	-	3	3	3	3	BOLT .. Puller - 5/8-11 x 5/8 hex. head (Reference Y)	
27	103331	-	3	3	3	3	WASHER .. Lock - 5/8	
28	271611	-	8	8	8	8	BOLT .. 3/4-10 x 2 hex. head	
29	9415519	-	6	6	6	6	BOLT .. 3/4-10 x 8-1/2 hex. head (Reference X)	
30	8356793	-	6	6	6	6	SLEEVE .. Brass - .813 O.D. x 4-1/4 in. long	
31	103326	-	14	14	14	14	WASHER .. Lock - 3/4	
32	8278477	-	1	1	1	1	PLUG .. End cover - 1-1/4 x 11-1/2 M.P.T. square hd.	
33	8282438	-	1	1	1	1	BOX ASSEMBLY .. Helical gear drop	
34	8278478	-	1	1	1	1	PLUG .. Drain - 3/4 M.P.T. drilled square head	
35	143980	-	1	1	1	1	PLUG .. Oil passage - 3/8 M.P.T. square head	
36	8278511	-	2	2	2	2	SHIM .. Pinion adjusting - .010	
37	8278512	-	2	2	2	2	SHIM .. Pinion adjusting - .015	
38	8278513	-	1	1	1	1	SHIM .. Pinion adjusting - .030	
39	8320136	-	1	1	1	1	SHIM .. Pinion adjusting - .007	
40	8282416	-	3	3	3	3	BOLT .. Puller - 5/8-11 x 5/8 hex. head (Reference W)	
41	103331	-	3	3	3	3	WASHER .. Lock - 5/8	
42	271612	-	8	8	8	8	BOLT .. 3/4-10 x 2-1/4 hex. head (Reference O)	
43	103326	-	8	8	8	8	WASHER .. Lock - 3/4	
44	8310571	-	1	1	1	1	CARRIER ASSEMBLY .. Gear	
*45	8310577	1	-	-	-	-	CARRIER ASSEMBLY .. Gear	
46	8278477	1	1	1	1	1	PLUG .. Filler	
47	8278488	1	1	1	1	1	PLUG .. Drain	
48	8310580	1	1	1	1	1	BREATHER ASSEMBLY .. Gear carrier	
49	8292392	-	1	-	-	-	PLATE .. Inspection - Helical gear drop box - Includes oil scraper	
50	8284242	-	-	1	-	-	PLATE .. Inspection - Helical gear drop box - Includes oil scraper	
51	8345871	-	-	-	1	-	PLATE .. Inspection - Helical gear drop box - Includes oil scraper	

P. L. No. B1570-E

AXLE DRIVE GEAR UNIT

Ref. No.	Part Number	Number Required					Description
-	- - - -	A	B	C	D	E	GEAR UNIT .. Axle drive
52	8349812	-	-	-	-	1	PLATE .. Inspection - Helical drop gear box - Includes oil scraper
53	8282452	1	-	-	-	-	PLATE .. Inspection - Gear carrier
54	8292391	-	1	-	-	-	PLATE .. Inspection - Gear carrier
55	8282441	-	-	1	-	-	PLATE .. Inspection - Gear carrier
56	8345872	-	-	-	1	-	PLATE .. Inspection - Gear carrier
57	8349813	-	-	-	-	1	PLATE .. Inspection - Gear carrier
58	8278485	-	2	2	2	2	GASKET .. Helical gear drop box inspection plate
59	8278488	1	1	1	1	1	GASKET .. Gear carrier inspection plate
60	179838	4	8	8	8	8	BOLT .. 3/8-16 x 1 hex. head
61	108580	4	8	8	8	8	WASHER .. Lock - 3/8
62	8328748	-	1	1	1	1	GEAR ASY. .. Drive - Consist of matched pinion & gear
*63	8328749	1	-	-	-	-	GEAR ASY. .. Drive - Consist of matched pinion & gear
64	445973	-	1	1	1	1	BEARING ASSEMBLY .. Outer pinion
*65	9414065	2	-	-	-	-	BEARING ASSEMBLY .. Outer pinion - Formerly 9415065
66	445972	-	1	1	1	1	CONE .. Bearing - Includes rollers
*67	9414064	2	-	-	-	-	CONE .. Bearing - Includes rollers
68	445971	-	1	1	1	1	CUP .. Bearing
*69	9412692	2	-	-	-	-	CUP .. Bearing
*70	8282464	1	-	-	-	-	SPACER .. Outer pinion bearing - .418
							8282465 .. .421 8282468 .. .430
							8282466 .. .424 8282469 .. .433
							8282467 .. .427 8282470 .. .436
71	9415515	-	1	1	1	1	BEARING ASSEMBLY .. Inner pinion
72	9415516	-	1	1	1	1	CONE .. Bearing - Includes rollers
73	456471	-	1	1	1	1	CUP .. Bearing
*74	9418236	1	-	-	-	-	BEARING ASSEMBLY .. Inner pinion
*75	9418237	1	-	-	-	-	RACE .. Inner - Includes rollers
*76	9418238	1	-	-	-	-	RACE .. Outer
*77	8310579	1	-	-	-	-	RING .. Snap - Inner pinion bearing
*78	8282458	1	-	-	-	-	CAGE .. Pinion bearing
*79	8282461	4	-	-	-	-	SHIM .. Pinion adjusting - .005
*80	8282462	2	-	-	-	-	SHIM .. Pinion adjusting - .010
*81	8282463	1	-	-	-	-	SHIM .. Pinion adjusting - .030
*82	8320135	1	-	-	-	-	SHIM .. Pinion adjusting - .007
*83	8282459	12	-	-	-	-	BOLT .. Cage mounting - 5/8-11 x 1-13/16 hex.
*84	103331	12	-	-	-	-	WASHER .. Lock - 5/8
85	8292390	-	1	-	-	-	GEAR .. Helical driven - 70 tooth
86	8282440	-	-	1	-	-	GEAR .. Helical driven - 63 tooth
87	8345870	-	-	-	1	-	GEAR .. Helical driven - 67 tooth
88	8349811	-	-	-	-	1	GEAR .. Helical driven - 74 tooth
89	8278473	-	1	1	1	1	QUILL .. Drive gear - Includes flange
90	8282447	1	-	-	-	-	QUILL .. Drive gear - Includes flange
91	8278475	32	32	32	32	32	BOLT .. Lock - 5/8-18 x 1-1/2 hex. head - Slotted
92	9415512	2	2	2	2	2	BEARING ASSEMBLY .. Quill
93	9415513	2	2	2	2	2	CONE .. Bearing - Includes rollers
94	9415514	2	2	2	2	2	CUP .. Bearing
95	8278498	2	2	2	2	2	SLINGER .. Oil - Quill bearing - Formerly 8274898
96	8314098	1	1	1	1	1	RETAINER .. Quill bearing - Gear side
97	8314099	1	1	1	1	1	RETAINER .. Quill bearing - Opposite side
98	8278492	1	1	1	1	1	PLUG .. Quill bearing retainer
99	8278493	3	3	3	3	3	SHIM .. Quill bearing adjusting - .010
100	8278494	3	3	3	3	3	SHIM .. Quill bearing adjusting - .015
101	8278495	2	2	2	2	2	SHIM .. Quill bearing adjusting - .030
102	8282416	6	6	6	6	6	BOLT .. Puller - 5/8-11 x 5/8 hex. head
103	103331	6	6	6	6	6	WASHER .. Lock - 5/8
104	271611	24	24	24	24	24	BOLT .. 3/4-10 x 2 hex. head
105	103326	24	24	24	24	24	WASHER .. Lock - 3/4
106	8278484	2	2	2	2	2	FLANGE .. Drive gear - Quill end

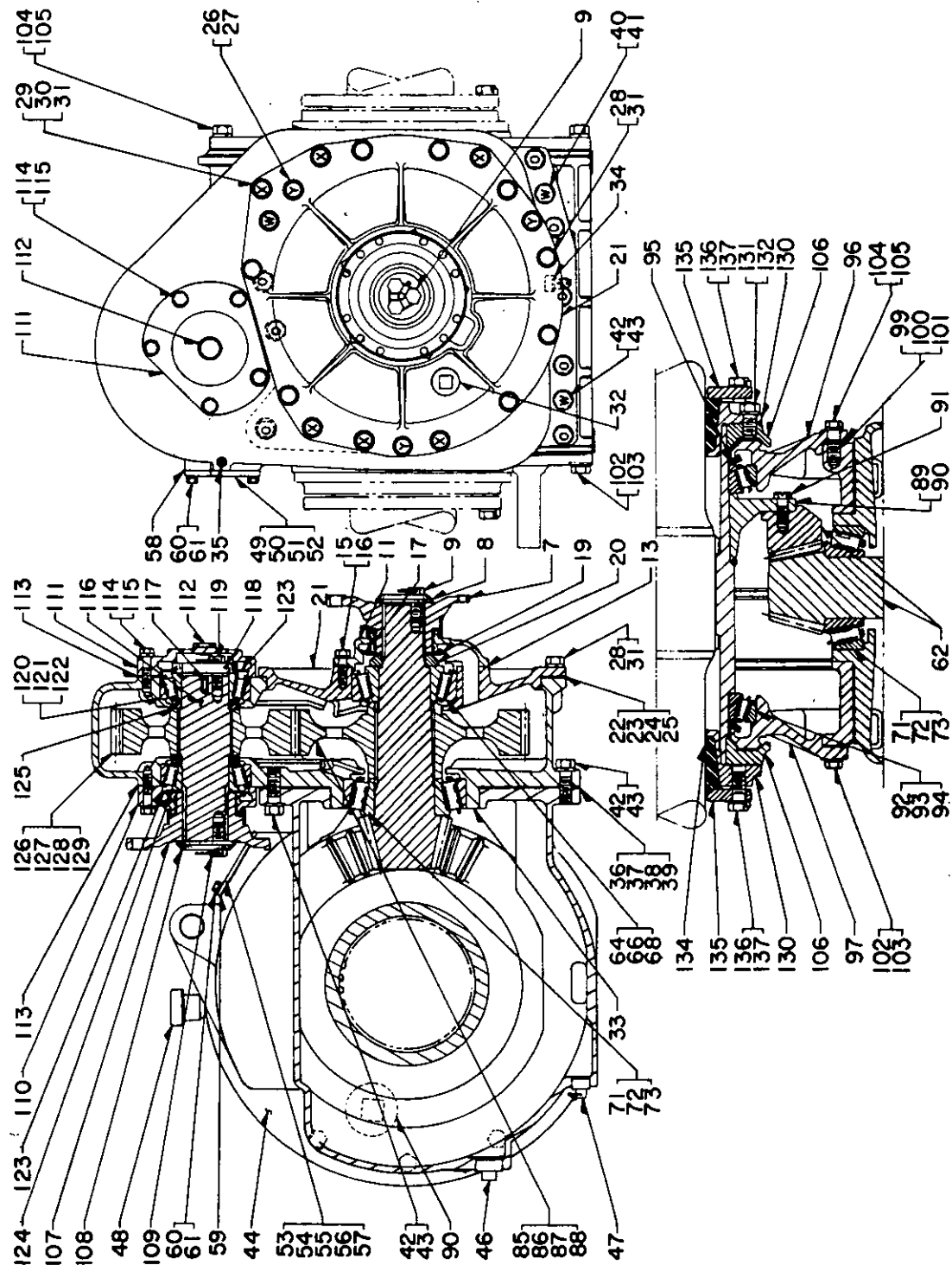
P. L. No. B1570-E

AXLE DRIVE GEAR UNIT

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	GEAR UNIT .. Axle drive
107	8278480	-	1	1	1	1	FLANGE ASSEMBLY .. Companion - Input
108	8289067	-	1	1	1	1	WASHER .. Flange locking
109	8278505	-	3	3	3	3	BOLT .. 5/8-18 x 1-5/8 drilled hex. head
110	8278509	-	1	1	1	1	CAP .. Bearing - Helical drive gear - With shaft opening
111	8282444	-	1	1	1	1	CAP .. Bearing - Helical drive gear - With plug opening
112	8278516	-	1	1	1	1	PLUG .. Bearing cap
113	8278522	-	2	2	2	2	GASKET .. Bearing cap
114	272548	-	10	10	10	10	BOLT .. 1/2-13 x 2-1/8 hex. head
115	9416230	-	10	10	10	10	WASHER .. Lock - 1/2
116	8282443	-	1	1	1	1	SHAFT .. Drive - Helical gear
117	8278510	-	1	1	1	1	SLEEVE .. Speedometer drive
118	8278506	-	1	1	1	1	WASHER .. Bearing retainer
119	8278505	-	3	3	3	3	BOLT .. 5/8-18 x 1-5/8 drilled hex. head
120	9415517	-	2	2	2	2	BEARING ASSEMBLY .. Helical gear drive shaft
121	9415518	-	2	2	2	2	CONE .. Bearing - Includes rollers
122	443594	-	2	2	2	2	CUP .. Bearing
123	8282415	-	2	2	2	2	RING .. Snap - Oil slinger and bearing cap
124	8278517	-	1	1	1	1	SLINGER .. Oil
125	8278523	-	2	2	2	2	SPACER .. Helical gear drive shaft bearing - .580
							8278524 .. .577 8278527 .. .568
							8278525 .. .574 8278528 .. .562
							8278526 .. .571 8278529 .. .561
126	8292389	-	1	-	-	-	GEAR .. Helical drive - 45 tooth
127	8282439	-	-	1	-	-	GEAR .. Helical drive - 52 tooth
128	8345869	-	-	-	1	-	GEAR .. Helical drive - 49 tooth
129	8349810	-	-	-	-	1	GEAR .. Helical drive - 41 tooth
+130	8282476	4	4	4	4	4	RETAINER ...Rubber quill
+131	8278534	12	12	12	12	12	BOLT .. 3/4-16 x 1-5/8 drilled hex. head
+132	103326	12	12	12	12	12	WASHER .. Lock - 3/4
*+133	8278530	2	2	2	2	2	QUILL .. Rubber
+134	8278531	4	4	4	4	4	RING .. Compression - Rubber quill
+135	8278533	16	16	16	16	16	BOLT .. 3/4-16 x 1-7/8 drilled hex. head
+136	8278532	8	8	8	8	8	STRAP .. Lock

P. L. No. B1570-E

AXLE DRIVE GEAR UNIT

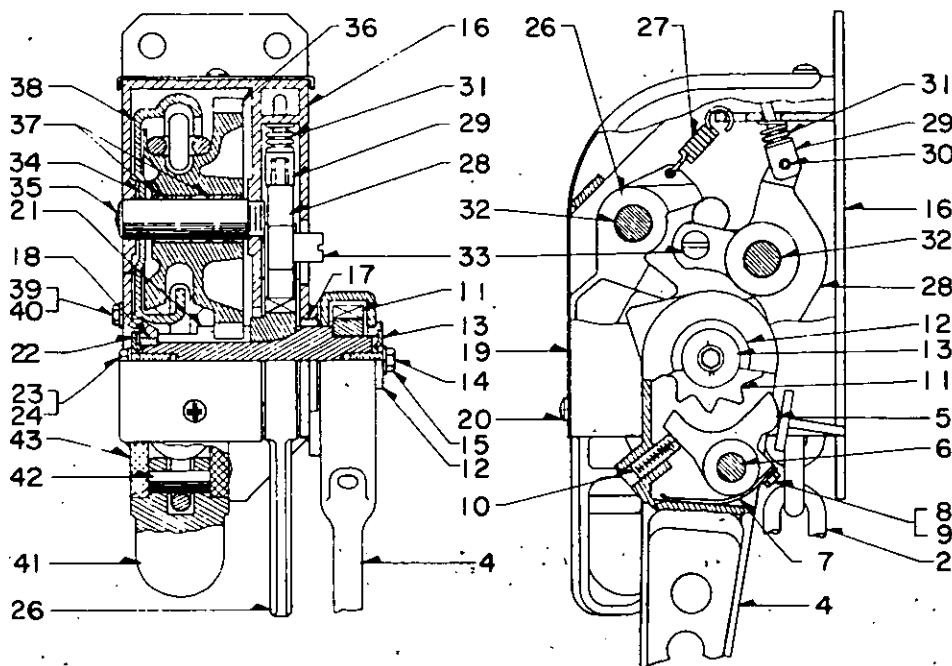


Ref. Nos. 2,3,4 and 5

PLATE A1570-E-1

HAND BRAKE

No. 800-RG Hand Brake Assembly
 G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW,
 G26CU, G26CW, GT26CW, GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

PLATE B1580-E-1

Ref. No.	Part Number	Number Required											Description
		A	B	C	D	E	F	G	H	J	K	L	
1	8392480	1	-	-	-	-	-	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - G22W
1	8414410	-	1	-	-	-	-	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - G22CU
1	8469326	-	-	1	-	-	-	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - G22CU, G22W, G22CW
1	8383750	-	-	-	1	-	-	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - GL22C
1	8472393	-	-	-	-	1	-	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - GT22CU
1	8473310	-	-	-	-	-	1	-	-	-	-	-	BRAKE ASSEMBLY .. Hand - GT22CW
1	8336064	-	-	-	-	-	-	1	-	-	-	-	BRAKE ASSEMBLY .. Hand - G26CU
1	8251742	-	-	-	-	-	-	-	1	-	-	-	BRAKE ASSEMBLY .. Hand - G26CW
1	8486797	-	-	-	-	-	-	-	-	1	-	-	BRAKE ASSEMBLY .. Hand - GT26CU-2
1	8446352	-	-	-	-	-	-	-	-	-	1	-	BRAKE ASSEMBLY .. Hand - GT26CW, G26CU
1	8191510	-	-	-	-	-	-	-	-	-	-	1	BRAKE ASSEMBLY .. Hand - GT26CW-2
2		1	-	-	-	-	-	-	-	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 14 ft. 1 in.
2		-	1	-	-	-	-	-	-	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 12 ft. 1 in.
2		-	-	1	-	-	-	-	-	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 13 ft. 10 in.
2	8167962	-	-	-	1	-	-	-	-	-	-	1	CHAIN ASSEMBLY .. 1/2 in. chain - 15 ft.
2		-	-	-	-	1	-	-	-	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 14 ft. 6 in.
2		-	-	-	-	-	1	-	-	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 15 ft. 6 in.
2	8235261	-	-	-	-	-	-	1	-	-	1	-	CHAIN ASSEMBLY .. 1/2 in. chain - 14 ft.
2	8312533	-	-	-	-	-	-	-	1	-	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 11 ft. 9 in.
2		-	-	-	-	-	-	-	-	1	-	-	CHAIN ASSEMBLY .. 1/2 in. chain - 13 ft. 7 in.
* 3	8180274	1	1	1	1	1	1	1	1	1	1	1	LINK... Joiner
4	8195444	1	-	-	-	-	-	-	-	-	-	-	LEVER ASSEMBLY .. Hand - 18 in.
4	8195445	-	1	1	-	1	1	-	-	-	1	1	LEVER ASSEMBLY .. Hand - 20 in.
4	8195628	-	-	-	1	-	-	1	1	-	-	-	LEVER ASSEMBLY .. Hand - 16 in.
4		-	-	-	-	-	-	-	-	-	1	-	LEVER ASSEMBLY .. Hand - 24 in.

P.L. No. D1580-E

HAND BRAKE

Ref. No.	Part Number	No. Req.	Description
-	- - - -	A-L	BRAKE ASSEMBLY .. Hand
-	- - - -	1	LEVER ASSEMBLY .. Hand

The following components Ref. Nos. 5 thru 13 are applicable to one Hand Lever Assembly Ref. No. 4.

5	8171488	1	PAWL .. Hand lever
6	8171494	1	SHAFT .. Pawl
7	8171495	1	SPRING .. Pawl
8	179791	1	BOLT .. 1/4-20 x 1/2 hex. head
9	115547	1	WASHER .. Lock - 1/4
10	8346986	1	SCREW .. Set - 1/2-13 x 1-1/2 slotted - Flat point - Nylon insert
11	8171496	1	RATCHET .. Lever - 10 tooth
12	8351208	1	RETAINER .. Lever - Formerly 8351028
13	8171487	1	RETAINER .. Lever

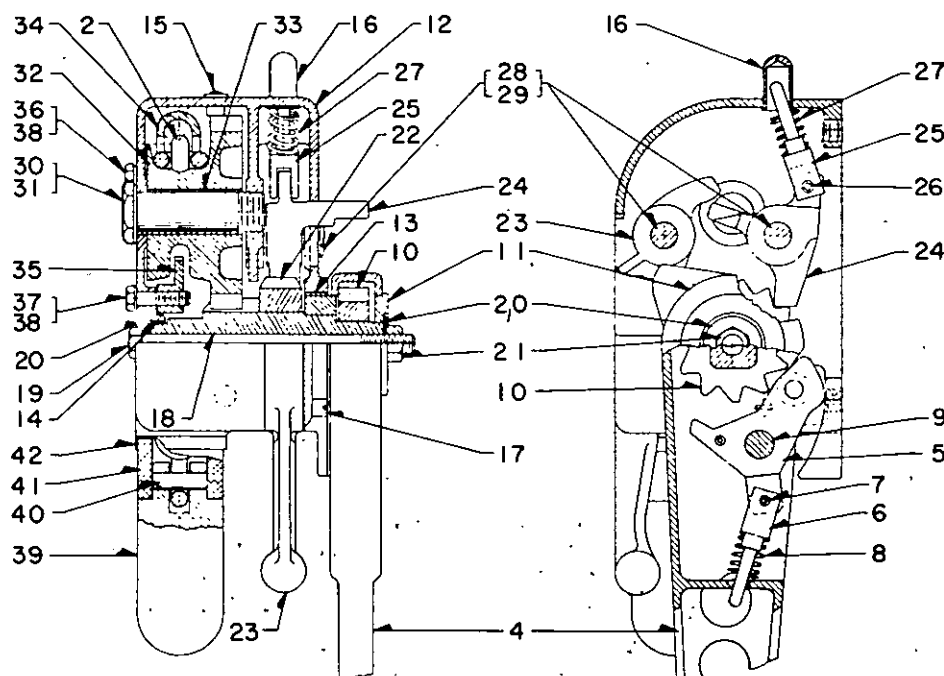
The following components Ref. Nos. 14 thru 43 are applicable to Hand Brake Assemblies Ref. No. 1, Columns A thru L.

14	179839	1	BOLT .. 3/8-16 x 1 hex. head
15	115549	1	WASHER .. Lock - 3/16
16	8195437	1	HOUSING ASSEMBLY .. Hand brake
17	8121859	1	BUSHING .. Pinion - Large
18	8171481	1	BUSHING .. Pinion - Small
19	8171480	1	COVER .. Housing
20	157370	2	SCREW .. Machine - 1/4-20 x 3/8 oval head - Cross recess
21	8171485	1	PINION .. 5 tooth
22	8171487	1	RETAINER .. Pinion
23	179839	1	BOLT .. 3/8-16 x 1 hex. head
24	115549	1	WASHER .. Lock 3/8 - Internal tooth
25	8171486	1	RATCHET .. Pinion - 12 tooth
26	8195443	1	LEVER .. Trip
27	8171491	1	SPRING .. Trip lever
28	8200251	1	PAWL ASSEMBLY .. Holding
29	8195441	1	SPINDLE
30	456657	1	PIN .. Spring - 5/16 x 13/16 in. long
31	8195440	1	SPRING .. Holding pawl spindle
32	8171490	2	SHAFT .. Trip lever and holding pawl
33	8195439	1	PIN .. Holding pawl - Replaces 8357432
34	8171483	1	SHAFT .. Chain drum
35	8172060	1	CUP .. Oil - Chain drum shaft
36	8171482	1	DRUM ASSEMBLY .. Chain
37	8171484	2	BUSHING .. Chain drum shaft
38	8171500	1	GUIDE .. Chain
39	179839	2	BOLT .. 3/8-16 x 1 hex. head
40	115549	2	WASHER .. Lock - 3/8 - Internal tooth
41	8171498	1	WEIGHT .. Chain snubber
42	8171499	1	PIN .. Chain snubber weight
43	8171497	1	SNUBBER .. Chain
*44	8471059	1	CLOSURE .. Hand brake chain - Applicable to columns E and F only
*45	8100171	2	SHEAVE ASSEMBLY .. Chain
*46	8200401	2	BUSHING .. Sheave
*47	8024831	2	PIN .. Sheave - Headless
*48	106268	4	WASHER .. Plain - 13/16 I.D.
*49	103420	1	PIN .. Cotter - 1/4 x 1-1/2 in. long
*50	8100167	1	CLEVIS .. Chain - Replaces 8229292
*51	8100058	1	PIN .. Chain clevis - 1.093 in. dia. x 2-7/8 in. long - Hex. hd.
*52	8229321	1	PIN .. Chain clevis - Appl. to 8229292 clevis and col. L only - 1.093 in. dia. x 3-1/4 in. long
*53	119201	1	PIN .. Cotter - 3/8 x 2 in. long
*54	119202	1	PIN .. Cotter - 3/8 x 2-1/4 in. long
*55	8407698	1	SPRING .. Chain tension
*56	8199089	1	RETAINER .. Sheave pin - Applicable to Columns E,J and K only
*57	8199088	1	PIN .. Retainer - Applicable to Columns E and K only
*58	179793	2	BOLT .. 1/4-20 x 5/8 hex. head - Applicable to Columns E,J and K only
*59	103319	2	WASHER .. Lock - 1/4 - Applicable to Columns E,J and K only
*60	271558	3	BOLT .. Hand brake mounting - 3/8-11 x 1-1/2 hex. head
φ 61	9416520	3	NUT .. Lock - 5/8-11 hex.
φ 62	8032747	3	NUT .. Lock - 5/8-11 hex. - Non-metallic insert

P.L. No. D1580-E

HAND BRAKE

No. 840-DR Hand Brake Assembly
G18U, G18W and GA18 Locomotives



Ref. No. 1
PLATE A1580-E-2

Ref. No.	Part Number	No. Req.	Description
1	8406132	1	BRAKE ASSEMBLY .. Hand - GA18, G18U, G18W
1	8476576	1	BRAKE ASSEMBLY .. Hand - G18U
2		1	CHAIN ASSEMBLY .. 3/8 in. chain - 12 ft. 6 in.
2		1	CHAIN ASSEMBLY .. 3/8 in. chain - 12 ft. 9 in.
* 3	9318092	1	LINK .. Joiner - Replaces 8193809

The following Reference Numbers 4 thru 59 are applicable to Columns A and B except as indicated in description.

4	8431160	1	LEVER ASSEMBLY .. Hand - 18 in.
5	8431161	1	PAWL ASSEMBLY .. Hand lever
6	8297344	1	SPINDLE
7	455488	1	PIN .. Spring - 1/4 x 5/8 in. long
8	8195440	1	SPRING .. Lever pawl spindle
9	8297337	1	SHAFT .. Hand lever pawl
10	8297346	1	RATCHET .. Lever - 11 tooth
11		1	RETAINER .. Lever
12		1	HOUSING ASSEMBLY .. Hand brake
13	8297339	1	BUSHING .. Pinion - Large
14	8297338	1	BUSHING .. Pinion - Small
15	8172060	1	CUP .. Oil
16	8431159	1	CAP .. Holding pawl spindle
17	8431155	1	ACTUATOR .. Hand level pawl
18	8431156	1	PINION
19	187136	1	BOLT .. 7/16-14 x 6 hex. head
20	106264	2	WASHER .. Plain - 1/2 I.D.
21	272120	1	NUT .. 7/16-14 hex.
22	8431157	1	RATCHET .. Pinion
23		1	LEVER .. Trip
24	8431158	1	PAWL ASSEMBLY .. Holding
25	8297344	1	SPINDLE
26	455488	1	PIN .. Spring - 1/4 x 5/8 in. long

8476577

P.L. No. D1580-E

HAND BRAKE

Ref. No.	Part Number	No. Req.	Description
-	- - - -	A-B	BRAKE ASSEMBLY .. Hand
27	8195440	1	SPRING .. Holding pawl spindle
28	8297348	2	SHAFT .. Trip lever and holding pawl
29	115553	2	WASHER .. Lock - 5/8 - Internal tooth
30	8297350	1	SHAFT .. Chain drum
31	138565	1	WASHER .. Lock - 7/8 - Internal tooth
32	8297335	1	DRUM ASSEMBLY .. Chain
33	8297340	1	BUSHING .. Chain drum shaft
34	8297336	1	GUIDE .. Chain
35	8297351	1	STRIPPER .. Chain
36	179816	2	BOLT .. 5/16-18 x 3/4 hex. head
37	179820	2	BOLT .. 5/16-18 x 1-1/4 hex. head
38	103320	4	WASHER .. Lock - 5/16
39	8297349	1	WEIGHT .. Chain snubber
40	8297332	1	PIN .. Chain snubber weight
41	8297352	1	SNUBBER .. Chain
42		1	CAP .. Chain snubber
*43	8397700	1	CLOSURE ASSEMBLY .. Hand brake chain
*44	9419954	6	SCREW .. Tapping - Closure mounting - 5/16-18 x 3/4 pan head - Cross recess
*45	8100171	-	SHEAVE ASY. .. Chain } GA18 (1 Required)
*46	8200401	-	BUSHING .. Sheave } G18U,G18W (2 Required)
*47	8024831	1	PIN .. Shve. - Hdls. - Form. 8028431
*48	106268	2	WASHER .. Plain - 13/16 I.D. } GA18 only
*49	103420	2	PIN .. Cotter - 1/4 x 1-1/2 in. lg. }
*50	6926974	2	PIN .. Sheave
*51	8199089	2	RETAINER .. Sheave pin } G18U,G18W only
*52	179793	4	BOLT .. 1/4-20 x 5/8 hex. head }
*53	103319	4	WASHER .. Lock - 1/4
*54	8100167	1	CLEVIS .. Chain
*55	8100058	1	PIN .. Chain clevis
*56	119201	1	PIN .. Cotter - 3/8 x 2 in. long
*57	8407698	1	SPRING .. Chain tension
*58	179883	3	BOLT .. Hand brake mounting - 1/2-13 x 1-1/4 hex. head
*59	103323	3	WASHER .. Lock - 1/2

P.L. No. D1580-E

HANDBRAKE

No. 850 NS Handbrake Assembly
JT22CW and JT22CW-2 Locomotives

PLATE A1580E-3

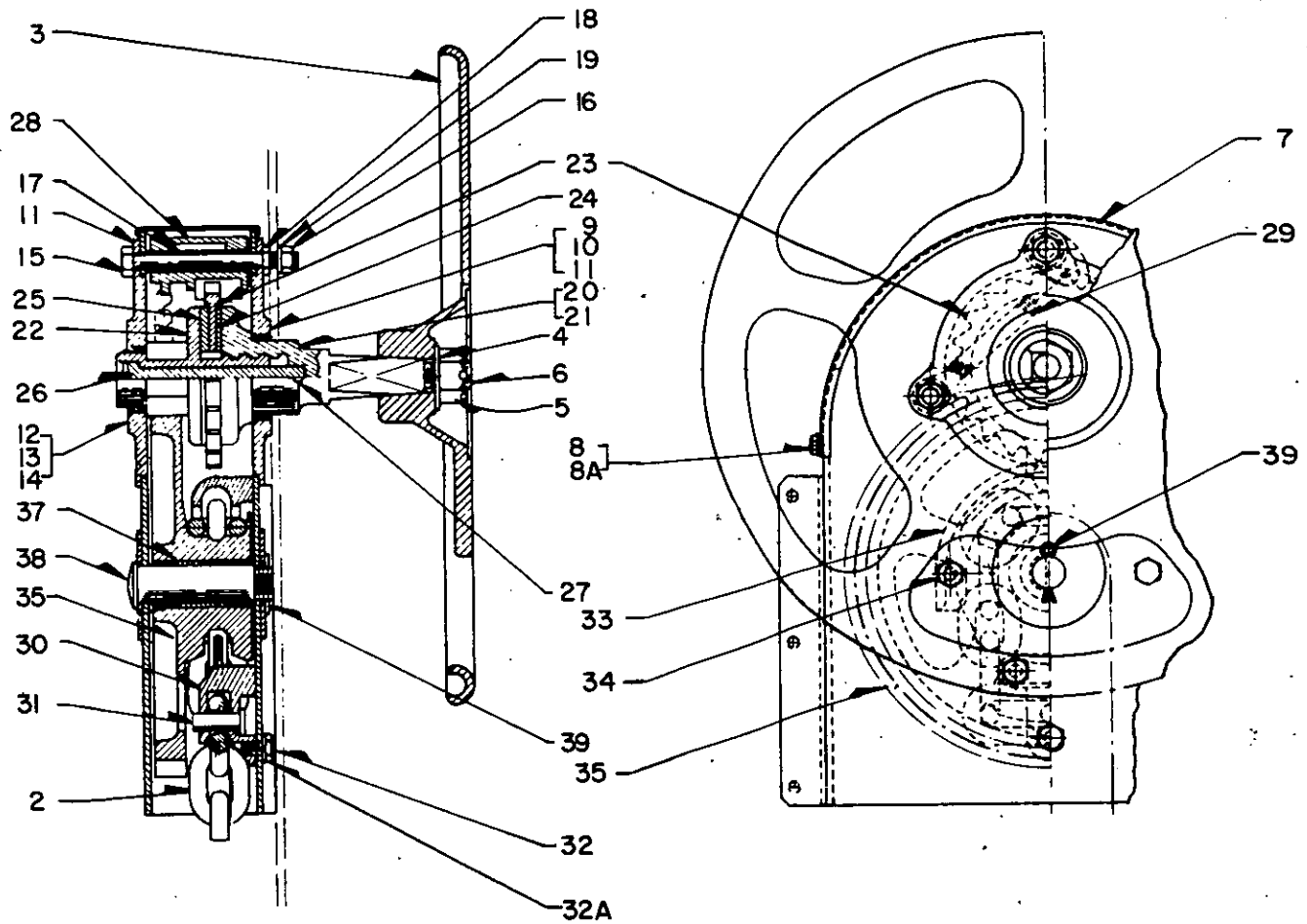
Ref. No.	Part Number	No. Req.		Description
		A	B	
1	9097828	1	-	BRAKE ASY. .. Hand - JT22CW Locomotives
1	9501206	-	1	BRAKE ASY. .. Hand - JT22CW-2 locomotives
2	8303017	1	-	CHAIN ASY. .. Includes joiner - 1/2 in. chain - 11 ft. long
2		-	1	CHAIN ASY. .. Includes joiner - 1/2 in. chain - 10 ft. 7 in. long
3	8187671	1	-	WHEEL .. Hand - 18 in. dia.
3	8195436	-	1	WHEEL .. Hand - 20 in. dia.

The following reference numbers 4 thru 39 are applicable to columns A and B except as indicated in description.

4	103346	1		WASHER .. Plain - 13/16 in. I.D.
5	272319	1		NUT .. Slotted - Secures handwheel to pinion - 3/4 - 10 hex.
6		1		PIN .. Cotter
7	8351759	1		COVER .. Housing assembly
8	179791	2		BOLT .. Housing cover - 1/4 - 20 x 1/2 hex. head
8A	115547	2		WASHER .. Lock - 1/4 in.
9	8137329	1		FLANGE AND BUSHING ASY. .. Front
10	8121871	1		FLANGE .. Less bushing
11	8121859	1		BUSHING .. Flange
12	8137328	1		FLANGE AND BUSHING ASY. .. Rear
13	8121872	1		FLANGE .. Less bushing
14	8060291	1		BUSHING .. Flange
15	8351760	3		BOLT .. Flange mounting
16	271500	3		NUT .. Flange mounting bolt
17	8107646	3		SPACER .. Flange mounting bolt
18	8351761	3		NUT .. Spacer - 7/16 - 14
19	103322	3		WASHER .. Lock - 7/16 in.
20		1		PINION ASY. .. Handbrake handwheel
21		1		SHAFT .. Handwheel
22	8187673	1		GEAR .. Pinion
23	8121863	1		RATCHET .. Pinion
24	8121864	1		DISC .. Release
25	8121865	1		DISC .. Friction
26		1		SCREW .. Pinion
27	139374	1		SCREW .. Set
28	8121867	1		PAWL .. Ratchet
29	8121868	1		SPRING .. Ratchet pawl
30	8186466	1		HOOK .. Chain
31	8186468	1		PIN .. Chain hook
32	179812	3		SCREW .. Chain hook - 5/16 - 18 x 1/2 hex. head
32A	103320	2		WASHER .. Lock - 5/16 in.
33	8186467	1		GUIDE .. Chain
34	179816	2		SCREW .. Guide mounting - 5/16 - 18 x 3/4 hex. head
35	8187674	1		DRUM ASY. .. Chain - Includes bushing
36		1		DRUM .. Chain
37	8351763	1		BUSHING .. Chain drum
38	8107649	1		SHAFT .. Chain drum
39	103387	5		PIN .. Cotter - Chain drum shaft

P.L. No. D1580-E

HANDBRAKE

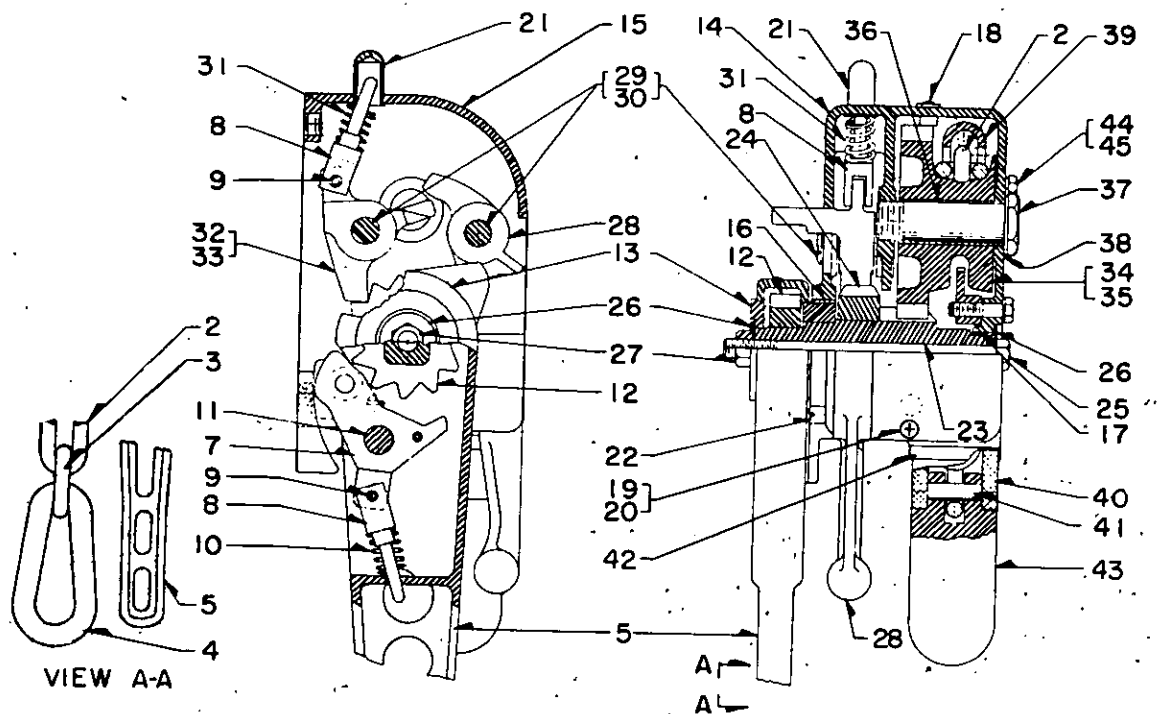


Ref. No. 1

PLATE A1580E-3

P.L. No. D1580-E

HANDBRAKE

No. 840 FL Handbrake Assembly
GL18M LocomotivesRef. No. 1
PLATE A1580-E4

Ref. No.	Part Number	No. Req.	Description
1	9329015	1	BRAKE ASY... Hand
2		1	CHAIN ASY. .. 3/8 in. chain - 19 ft. 5/8 in.
3	8193809	1	LINK .. Joiner
4	8195448	1	LINK .. End
5		1	LEVER ASY. .. Hand - 18 in.
* 6		1	PAWL AND SPINDLE ASY. .. Hand lever
7		1	PAWL .. Hand lever
8	8297344	1	SPINDLE .. Pawl lever
9	455488	1	PIN .. Spring - 1/4 x 5/8 in. long
10	8195440	1	SPRING .. Lever pawl spindle
11	8297337	1	SHAFT .. Hand lever pawl
12	8297346	1	RATCHET .. Lever - 11 tooth
13	8431162	1	RETAINER .. Lever
14		1	HOUSING ASY. .. Handbrake
15		1	COVER
16	8297339	1	BUSHING .. Pinion - Large
17	8297338	1	BUSHING .. Pinion - Small
18	8172060	1	CUP .. Oil
19		2	SCREW .. Secures cover
20		2	LOCKWASHER .. Used with cover securing screw
21	8431159	1	CAP .. Holding pawl spindle
22	8431155	1	ACTUATOR .. Pawl
23	8431156	1	PINION ASY. .. Hand lever
24	8431157	1	RATCHET .. Pinion
25	187136	1	BOLT .. 7/16 - 14 x 6 hex. head
26	106264	2	WASHER .. Plain - 1/2 I.D.
27	272120	1	NUT .. 7/16 - 1/4 hex. head
28		1	LEVER .. Trip

P.L. No. D1580-E

HANDBRAKE

Ref. No.	Part Number	No. Req.	Description
-	9329015		BRAKE ASY. .. Hand
29	8297348	2	SHAFT .. Trip lever and holding pawl
30	115553	2	WASHER .. Lock - Pawl shaft - 5/8 internal tooth
31	8195440	1	SPRING .. Spindle holding pawl
32		1	PAWL ASY. .. Holding
33		1	PAWL .. Holding
34	8297335	1	DRUM ASY. .. Chain
35		1	DRUM .. Chain
36	8297340	1	BUSHING .. Chain drum shaft
37	8297350	1	SHAFT .. Chain drum
38	138565	1	WASHER .. Drum shaft
39	8297336	1	GUIDE .. Chain
40	8297352	1	SNUBBER .. Chain
41	8297332	1	PIN .. Snubber
42		1	CAP .. Chain snubber
43	8297349	1	WEIGHT .. Chain
44	179816	2	BOLT .. 5/16 - 18 x 3/4 hex. head
45	103320	4	WASHER .. Lock - 5/16 in.
*46	9328485	1	CHANNEL .. Handbrake alcove
*47	8396902	1	PAD .. Handbrake assembly mounting
*48	9329601	1	SHEET .. Chain closure
*49	8389681	1	ANGLE .. Chain closure
*50	9331500	1	CHANNEL ASY. .. Mounted on underframe directly under handbrake chain
*51	8303756	1	CHANNEL .. Sheave mounting
*52	8100171	1	SHEAVE ASY. .. Chain guide - Includes bushing 8200401
*53	9098370	1	PIN .. Sheave assembly to sheave channel mounting
*54	9437182	2	RING .. Retainer - Secures sheave pin in sheave mounting channel
*55	9330985	1	PLATE .. Chain pipe guide support - 12-1/2 in. long x 3-1/2 in. wide x 1/4 in. thick
*56	9329029	1	PIPE .. Chain guide - Located in front of ref. no. 48 - 2-1/2 in. dia. x 35 in. long
*57	9329305	1	BRACKET ASY. .. Sheave mounting - Welded to underframe in front of ref. no. 54
*58	8100171	1	SHEAVE ASY. .. Chain guide - Includes bushing 8200401
*59	8199089	1	RETAINER .. Sheave
*60	179793	2	BOLT .. 1/4 - 20 x 5/8 in. long hex. head
*61	103319	2	WASHER .. Lock - 1/4 in.
*62	8421527	1	PIN .. Sheave assembly to sheave mounting bracket
*63	9329319	1	PIPE .. Chain guide - 2-1/2 in. dia. x 53 in. long
*64	9329290	1	BRACKET ASY. .. Supports two chain guide sheaves
*65	8100171	2	SHEAVE ASY. .. Chain guide - Includes bushing 8200401
*66	8199089	1	RETAINER .. Sheave - Upper
*67	179793	2	BOLT .. 1/4 - 20 x 5/8 in. long hex. head
*68	103319	2	WASHER .. Lock - 1/4 in.
*69	8421527	1	PIN .. Upper sheave assembly to sheave mounting bracket
*70	9098370	1	PIN .. Lower sheave assembly to mounting bracket
*71	9437182	2	RING .. Retainer - Secures sheave pin in sheave mounting bracket
*72	8407698	1	SPRING .. Chain tension
*73	9329612	1	ANGLE .. Chain tension spring mounting
*74	179881	2	BOLT .. 1/2 - 13 x 1 in. long - Secures angle
*75	8100167	1	CLEVIS .. Chain
*76	8100058	1	PIN .. Chain clevis
*77	119201	1	PIN .. Cotter - 3/8 x 2 in. long

9328555

D1580-E

FLEXIBLE COUPLINGS

Parts List No. H1801

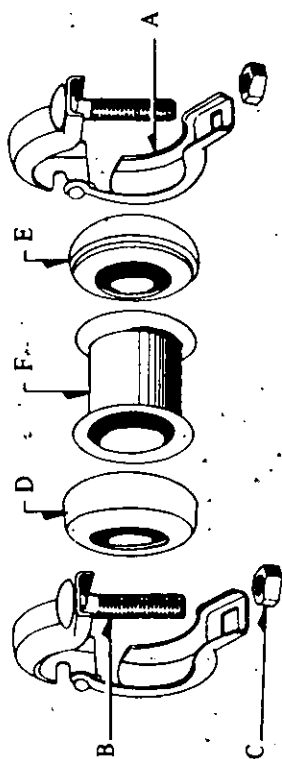
Air, Water and Lube Oil Flexible Couplings
Reference List

PLATE F1801-1

Ref. No.	Coupling Assembly			† Component Reference						
	Part Number	Replaces	Length In Inches	Accepts Pipe Size (in.)	A Clamp Assembly	B Bolt	C Nut	D Seal Assembly	E Rubber Seal	F Sleeve Qty. of 1
1	8443641		90°EL	1/2	8479519	8478318	8032757	8479532	8479542	8479605
2	8476711	8347697	4-1/2	1/2	8479519	8478318	8032757	8479532	8479542	
3	8459057		90°EL	3/4	8479520	8478318	8032757	8479533	8479543	
4	8481456		90°EL	3/4	8479520	8478318	8032757			
5	8479674	8347696	2-1/2	3/4	8479520	8478318	8032757	8479533	8479543	8479697
6	8457714		2-1/2	3/4					≠	8378158
7	8470605	8353446	4-1/2	3/4	8479520	8478318	8032757	8479533	8479543	8479606
8	8470340	8326945	2-7/8	1	8479521	8478319	8032758	8479534	8479544	8479607
9	8476174	8454244	6	1	8479521	8478319	8032758	8479534	8479544	8479608
10	8472849	8427112	7-1/2	1	8479521	8478319	8032758	8479534	8479544	8479609
11	8484603		90°EL	1	8479521	8478319	8032758	8479534	8479544	
12	8455270		90°EL	1	8479521	8478319	8032758	8479534	8479544	
13	8448554		45°EL	1	8479521	8478319	8032758	8479534	8479544	
14	8450830		90°EL	1	8479521	8478319	8032758	8479534	8479544	
15	8479675	8375658	3-1/4	1-1/4	8479522	8478319	8032758	8479535	8479598	8479698
16	8474742	8463936	5-1/2	1-1/4	8479522	8478319	8032758	8479535	8479598	8479610
17	8442369		90°EL	1-1/4	8479522	8478319	8032758	8479535	8479598	
18	8412873		90°EL	1-1/4	8479522	8478319	8032758			
19	8456360		90°EL	1-1/4	8479522	8478319	8032758	8479535	8479598	
20	9096517		3-1/2	1-1/2	8479523	8478319	8032758			8479611

† All items are quantities of two unless noted otherwise
Asbestos seal

P.L. No. H1801

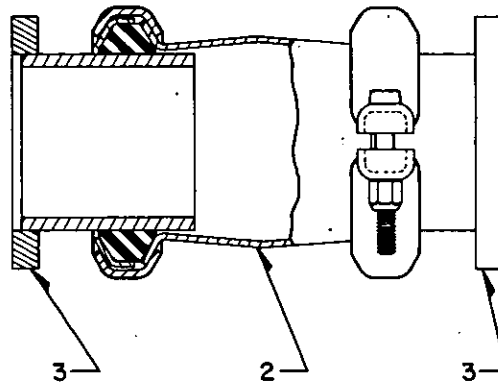
FLEXIBLE COUPLINGS

Ref. No.	Coupling Assembly			† Component Reference						F Sleeve Qty. of 1
	Part Number	Replaces	Length In Inches	Accepts Pipe Size (in.)	A Clamp Assembly	B Bolt	C Nut	D Seal Assembly	E Rubber Seal	
21	8477156	8341684	3-1/2	1-1/2	8479523	8478319	8032758	8479536	8479599	8479611
22	8341685		Tee	1-1/2	# 8479523	# 8478319	# 8032758	# 8479536	8479599	8351305
23	8434605		90°EL	1-1/2	8479523	8478319	8032758	8479537	8479599	
24	8474757	8332250	4	2	8479524	8478319	8032758	8479537	8479600	8479612
25	8479676	8347698	7-1/2	2	8479524	8478319	8032758	8479537	8479600	8479699
26	8458054		7-1/2	2	8479524	8478319	9416530	8479537	8479600	8378160
27	8475046		90°EL	2	8479524	8478319	8032758	8326504	8326505	
28	8459058		90°EL	2	8479524	8478319	8032758	8479537	8479600	8318391
29	8301839		90°EL	2	8479524	8478319	8032758	8479537	8479600	8326502
30	8317588		90°EL	2	8479524	8478319	9416530	8479537	8479600	8326502
31	8316878		90°EL	2	8479524	8478319	8032758	8479537	8479600	
32	8438010		90°EL	2	8479524	8478319	8032758	8479537	8479600	
33	8355580		90°EL	2	8479524	8478319	8032758	8479537	8479600	
34	8374522		45°EL	2	8479524	8478319	8032758	8479537	8479600	
35	8457190		90°EL	2	8479524	8478319	9416530	8479537	8479600	8412530
36	8392458		4	2-1/2	8479525	8478320	8035146	8479538	8479601	8479613
37	8472617	8268209	6-1/2	2-1/2	8479525	8478320	8035146	8479538	8479601	8479613
38	8246027		7-1/2	2-1/2	8479525	8478320	8035146	8479538	8479601	8256569
39	8472616	8255048	12-1/2	2-1/2	8479525	8478320	8035146	8479538	8479601	8479614
40	8275374		23	2-1/2	8479525	8478320	8035146	8479538	8479601	8283799
41	8284779		26	2-1/2	8479525	8478320	8035146	8479538	8479601	8285677
42	8411244		45°EL	2-1/2	8479525	8478320	8035146	8479538	8479601	8412531
43	8467205		90°EL	2-1/2	8479525	8478320	8035146	8479538	8479601	
44	8452623		9-3/4	3	8479526	8478320	8035146	8479539	8479602	
45	8455470		90°EL	3	8479526	8478320	8035146	8479539	8479602	8479615
46	8471160	8268387	6-1/2	3	8479526	8478320	8035146	8479539	8479602	8256572
47	8244328	8264451	7-1/2	3	8479526	8478320	8035146	8479539	8479602	8479616
48	8468179	8339732	12-1/2	3	8479526	8478320	8035146	8479540	8479603	8479617
49	8468257		6-1/2	3-1/2	8479527	8478320	8035146	8479540	8479603	8261865
50	8259786		7-1/2	3-1/2	8479527	8478320	8035146	8479540	8479603	8479618
51	8468180	8347027	12-1/2	3-1/2	8479527	8478320	8035146	8479540	8479603	
52	8471161		90°EL	3-1/2	8479527	8478320	8035146	8479540	8479603	8479619
53	8474741	8350434	6-1/2	4	8479528	8478320	8035146	8479541	8479604	8256574
54	8252895		7-1/2	4	8479528	8478320	8035146	8479541	8479604	8479620
55	8470341	8421971	12-1/2	4	8479528	8478320	8035146	8479541	8479604	
56	8312953		Tee	4	# 8479528	8478320	# 8035146	# 8479541	# 8479604	
57	8250162		3-1/2	4	8479528	8478320	8035146	8479541	8479604	
58	8463488		90°EL	4	8479528	8478320	8035146	8479541	8479604	8406228
59	8393725		6-1/2	6	8406229	8478321	8032761	8406230	8466231	
60	8470523		22	3	8479526	8478320	8035146	8479538	8479601	
	W/Lft. EL		7	2-1/2	8479525	8478320	8035146	8479539	8479602	
61	8470524		22	3	8479526	8478320	8035146	8479538	8479601	
	W/Rt. EL		7	2-1/2	8479525	8478320	8035146	8479538	8479601	

† All items are quantities of two unless noted otherwise † Quantity of 1 † Quantity of 3

FLEXIBLE COUPLINGS

Flexible Couplings and Sealing Compounds

Ref. No. 1
PLATE G1801-2

Ref. No.	Part Number	No. Req.	Description
1	8268280	1 - -	COUPLING ASSEMBLY .. Flexible - 3 in. pipe - Includes flanges.
1	8277713	- 1 -	COUPLING ASSEMBLY .. Flexible - 4 in. pipe - Includes flanges
1	8347788	- - 1	COUPLING ASSEMBLY .. Flexible - 4 in. pipe - Includes flanges
2	8471160	1 - -	COUPLING .. Flexible - 6-1/2 in. long - See Page 2
2	8252895	- 1 -	COUPLING .. Flexible - 7-1/2 in. long - See Page 2
2	8474741	- - 1	COUPLING .. Flexible - 6-1/2 in. long - See Page 2
3	8268388	2 - -	FLANGE .. Coupling
3	8284894	- 2 -	FLANGE .. Coupling
3	8350436	- - 2	FLANGE .. Coupling
++ 4	8354344	2 - -	GASKET .. Coupling flange - Replaces 8126649
++ 4	8354789	- 2 -	GASKET .. Coupling flange - Replaces 8071587
++ 4	8366785	- - 2	GASKET .. Coupling flange - Replaces 8347468

Sealing Compounds and Cleaners
Not Illustrated

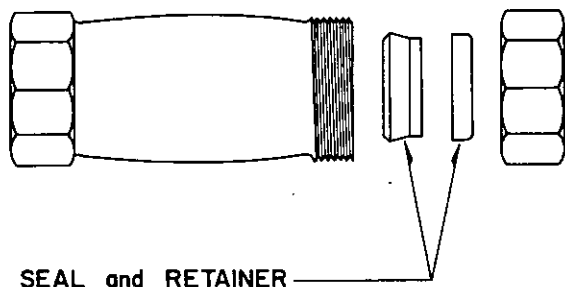
Ref. No.	Part Number	No. Req.	Description
5	8305894	1	COMPOUND .. Sealing - Collar to shaft - 1/3 oz.
6	8339096	1	COMPOUND .. Sealing - Frictional strength 750 to 1000 P.S.I. - 50 c.c.
7	9505662	1	COMPOUND .. Sealing - Bolt threads - 50 C.C. - Replaces 8352872
8	8406896	1	COMPOUND .. Sealing - Frictional strength 750 to 1000 P.S.I. - 11 oz.
9	3327840	1	COMPOUND .. Sealing - Frictional strength 750 to 1000 P.S.I. - 1 c.c.
10	8352871	1	SEALANT .. Pipe joint threads - 2-1/2 oz. - Replaced by 9505662
11	8458795	1	SEALANT .. Teflon filled - 1 liter
12	8360459	1	SEALANT .. Pipe joint threads - Without filler - 8 oz.
13	8471182	1	COMPOUND .. Retaining - Frictional strength 1150 to 1500 P.S.I. - 1/3 oz.
14	9505663	1	COMPOUND .. Retaining - Lube oil pump - 50 c.c. - Replaces 8366781
15	8368773	1	ADHESIVE .. Hot strength - 2-1/2 oz.
16	8352873	1	CLEANER .. Grease - Adhesive activator - 6 oz. aerosol can

P.L. No. H1801

FLEXIBLE COUPLINGS

Air, Water and Lube Oil Threaded and Bolted Flexible Couplings
Reference Lists

COUPLING .. Flexible - Threaded Cap

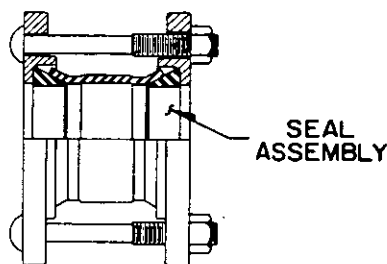


Ref. Nos. 1 thru 13

Ref. No.	Coupling Assembly		Accepts Pipe Size (in.)	SEAL ASY. Incl. Retainer Qty. of 2
	Part Number	Length in Inches		
1	8279234	2-5/8	1/2	8260912
2	8255773	4-1/8	1/2	8260912
3	8155155	4-13/32	3/4	8260913
4	8256823	2-3/32	1	8260914
5	8252975	4-11/16	1	8260914
6	8257193	2-15/16	1	8260914
7	8259377	3-1/4	1-1/4	8260915
8	8265798	5	1-1/4	8260915
9	8285080	5-5/16	1-1/2	8285116
10	8271266	3-9/16	1-1/2	8285116
11	8319871	3-1/16	2	8260916
12	8259378	3-7/8	2	8260916
13	8252976	5-5/8	2	8260916

/ Quantity of one

PLATE G1801-3



Ref. Nos. 14 thru 30

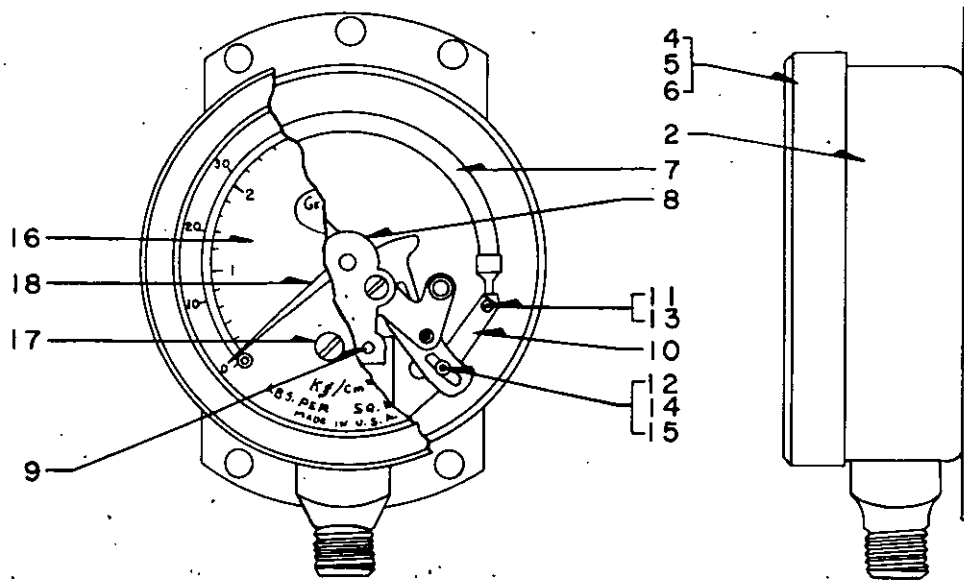
PLATE F1801-4

COUPLING .. Flexible - Bolted

Ref. No.	COUPLING ASSEMBLY		Accepts Pipe Size (in.)	No. of Track Head Bolts	SEAL ASY. Incl. Retainer Qty. of 2
	Part Number	Length in Inches			
14	8299072	6-5/16	2-1/2	2	8390925
15	8235604	5-5/16	2-1/2	2	8390925
16	8395868	4-1/2	2-1/2	2	8390925
17	8415762		3	3	8340702
18	8415763		3	2	8340702
19	8339698	12-1/2	3	2	8340702
20	8280559	7-1/2	3	2	8340702
21	8274551	7	3	4	8340702
22	8232551	6-1/2	3	2	8340702
23	8272990	5-1/4	3	3	8340702
24	8415764		3-1/2	3	
25	8377528	12-1/2	3-1/2	3	
26	8415765		4	3	8372513
27	8415766		4	3	8372513
28	8422016	12-1/2	4		8372513
29	8273088	5-1/4	4	3	8372513
30	8369627	7-5/16	4	3	8372513

DIAL GAUGES

Lube Oil Pressure Gauges



Ref. No. 1
PLATE C1805-E-1

Ref. No.	Part Number	Number Required			Description
1	8232099	A	-	-	GAUGE .. Lube oil pressure - 0 to 100 lbs. and 0 to 7Kg/Cm ²
1	8231594	-	B	-	GAUGE .. Lube oil pressure - 0 to 160 lbs. and 0 to 11Kg/Cm ²
1	8324170	-	-	C	GAUGE .. Lube oil pressure - 0 to 160 lbs.
2	8238594	1	1	1	CASE .. Gauge
* 3	8222126	2	2	2	SCREW .. Case mounting - 10-32 x 1/2 flat hd. - Replaces 8238597
4	8222119	1	1	1	RING .. Threaded
5	8497063	1	1	1	GLASS .. Gauge - Replaces 8222120
6	8222121	1	1	2	GASKET .. Gauge glass
7	8248972	1	-	-	SOCKET ASSEMBLY .. Includes bourdon tube
7	8258068	-	1	-	SOCKET ASSEMBLY .. Includes bourdon tube
7	8328785	-	-	1	SOCKET ASSEMBLY .. Includes bourdon tube
7	8238599	1	1	1	GASKET .. Socket
φ 8	8406932	-	-	1	MOVEMENT ASSEMBLY .. Gauge - Approximately 32 tooth gear
φ 8	8238556	-	-	1	MOVEMENT ASSEMBLY .. Gauge - Approximately 24 tooth gear
8	8248971	1	1	-	MOVEMENT ASSEMBLY .. Gauge
9	8238096	2	2	2	STUD .. Movement mounting - 3-48 I.D. x 8-32 O.D. x .195 hex. head
10	8238596	1	1	1	LINK
11	8238095	1	1	1	SCREW .. Link - Segment - 2-56 x 21/64 round head
12	8238094	1	1	1	SCREW .. Link - End piece - 2-56 x 19/64 round head
13	8222129	1	1	1	NUT .. Sliding
14	8238598	1	1	1	NUT .. End piece
15	8222142	1	1	1	WASHER .. Plain - 3/32
16	8328786	-	-	1	DIAL ASSEMBLY .. Includes stop pin
16	8248970	1	-	-	DIAL ASSEMBLY .. Includes stop pin
16	8258067	-	1	-	DIAL ASSEMBLY .. Includes stop pin
17	8222130	2	2	2	SCREW .. Dial - 3-48 x 1/8 pan head
18	8222125	1	1	1	POINTER ASSEMBLY .. White
*19	8222136	-	-	1	SCREW .. Restriction - No. 12-24 x 5/32

P.L. No. D1805-E

DIAL GAUGES

Single Pointer Main Reservoir and Vacuum Air Control Gauge

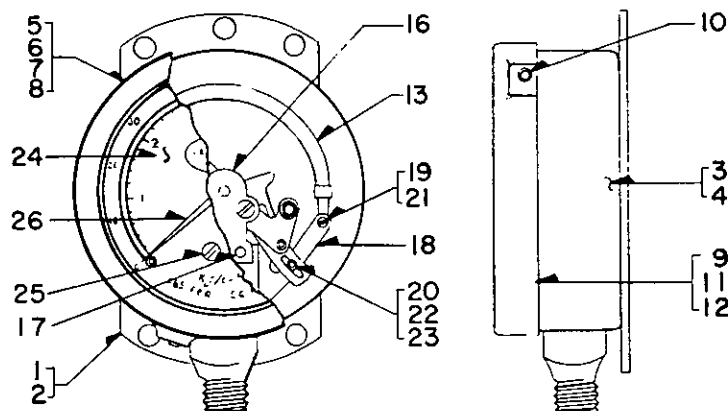


PLATE C1805-E-2

Ref. No.	Part Number	Number Required	Description
1	8231593	A - -	GAUGE .. Main reservoir - 0 to 200 lbs. - 0 to 14 Kg/Cm ²
2	8306937	- B - -	GAUGE .. Main reservoir - 0 to 11 Kg/Cm ² - 0 to 160 lbs.
3	8252403	- - C -	GAUGE .. Vacuum air control - 0 to 60 lbs. - 0 to 4 Kg/Cm ²
4	8306939	- - - D	GAUGE .. Vacuum air control - 0 to 4Kg/Cm ² - 0 to 60 lbs.
5	8222119	1 - 1 -	RING .. Gauge glass
6	8497063	1 - 1 -	GLASS .. Gauge - Replaces 8222120
7	8222121	1 - 1 -	GASKET .. Gauge glass
8	8417658	- 1 - -	LENS .. Gauge - Molded acrylic plastic - Replaces 8387322
9	8218701	- - 1 1	RING ASSEMBLY .. Gauge glass
10	140868	- - 2 2	SCREW .. Set - 10-24 x 1/4 hex. socket - Cup point
11	8369482	- - 1 1	GLASS .. Gauge
12	8275736	- - 1 1	RING .. Plexiglass
13	8269929	1 - - -	SOCKET ASSEMBLY .. Includes bourdon tube
13	8313023	- 1 - -	SOCKET ASSEMBLY .. Includes bourdon tube
13	8258121	- - 1 -	SOCKET ASSEMBLY .. Includes bourdon tube
13	8313025	- - - 1	SOCKET ASSEMBLY .. Includes bourdon tube
*14	8238599	1 1 1 1	GASKET .. Socket to case
*15	8222126	2 2 2 2	SCREW .. Case to socket - 10-32 x 1/2 pan head - Formerly 436534
16	8248971	1 1 1 1	MOVEMENT ASSEMBLY .. Gauge
17	8238096	2 2 2 2	STUD .. Movement mounting - 3-48 I.D. x 8-32 O.D. x .195 hex. head
18	8238596	1 1 1 1	LINK .. Connection
19	8238095	1 1 1 1	SCREW .. Link segment
20	8238094	1 1 1 1	SCREW .. End piece
21	8222129	1 1 1 1	NUT .. Sliding - Link segment screw
22	8238598	1 1 1 1	NUT .. End piece screw
23	8222142	1 1 1 1	WASHER .. Spacer - End piece screw
24	8269930	1 - - -	DIAL ASSEMBLY .. Includes stop pin
24	8313022	- 1 - -	DIAL ASSEMBLY .. Includes stop pin
24	8258120	- - 1 -	DIAL ASSEMBLY .. Includes stop pin
24	8313024	- - - 1	DIAL ASSEMBLY .. Includes stop pin
25	8222130	2 2 2 2	SCREW .. Dial mounting - 3-48 x 1/8 pan head
26	8222125	1 1 1 1	POINTER ASSEMBLY .. White

DIAL GAUGES Duplex Vacuum and Pressure Gauge

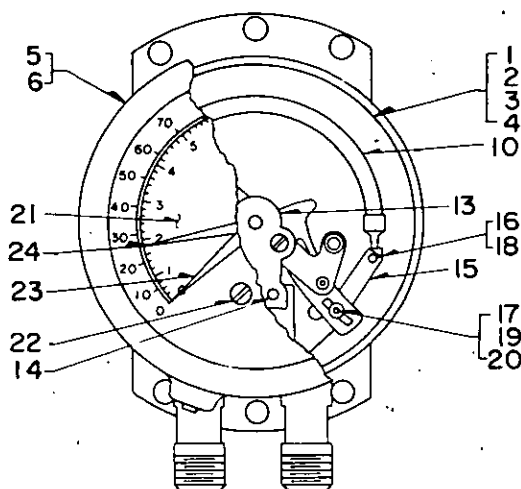


PLATE C1805-E-3

Ref. No.	Part Number	Number Required			Description
1	8231325	A	-	-	GAUGE .. Vacuum - VMR-VBP - 0 to 30 in. - 0 to 76 Cm
2	8231326	-	B	-	GAUGE .. Vacuum - BC-BP - 0 to 160 lbs. - 0 to 11 Kg/Cm ²
3	8387330	-	-	C	GAUGE .. Pressure - BC-BP, SAC-SAT - 0 to 160 lbs. - 0 to 11 Kg/Cm ²
4	8387331	-	-	D	GAUGE .. Pressure - MR-ER - 0 to 200 lbs. - 0 to 14 Kg/Cm ²
5	8417658	1	-	1	LENS .. Molded acrylic plastic - Replaces 8387322
6	8218701	1	1	-	RING ASSEMBLY .. Gauge glass
7	140868	2	2	-	SCREW .. Set - 10-24 x 1/4 hex. socket - Cup point
8	8369482	1	1	-	GLASS .. Gauge
9	8275736	1	1	-	RING .. Plexiglass
10	8227289	1	-	-	SOCKET ASSEMBLY .. Includes bourdon tube
10	8252628	-	1	1	SOCKET ASSEMBLY .. Includes bourdon tube
10	8227286	-	-	1	SOCKET ASSEMBLY .. Includes bourdon tube
11	8222133	1	1	1	GASKET .. Socket to case
12	8222126	2	2	2	SCREW .. Case to socket - 10-32 x 1/2 flat head - Formerly 436534
13	8227290	1	-	-	MOVEMENT ASSEMBLY .. Gauge
13	8222134	-	1	1	MOVEMENT ASSEMBLY .. Gauge
14	8222127	2	2	2	STUD .. Movement mounting - 3-48 I.D. x 8-32 O.D. x .222 hex. head
15	8222124	1	1	1	LINK .. Connection - 7/32 x 3/4
15	8227292	1	1	1	LINK .. Connection - 7/32 x 7/8
16	8222131	2	-	-	SCREW .. Link segment
16	8238095	-	2	2	SCREW .. Link segment - 2-56 x 21/64 round head
17	8222132	2	2	2	SCREW .. End piece
18	8222129	2	2	2	NUT .. Sliding - Link segment screw
19	140630	2	2	2	NUT .. End piece screw - 2-56 hex.
20	8222142	1	1	1	WASHER .. Spacer - End piece screw
21	8242405	1	-	-	DIAL ASSEMBLY .. Includes stop pin
21	8252629	-	1	-	DIAL ASSEMBLY .. Includes stop pin
21	-	-	-	1	DIAL ASSEMBLY .. Includes stop pin
21	-	-	-	1	DIAL ASSEMBLY .. Includes stop pin
22	8222130	2	2	2	SCREW .. Dial mounting - 3-48 x 1/8 pan head
23	8222125	1	1	1	POINTER ASSEMBLY .. White
24	8222143	1	1	1	POINTER ASSEMBLY .. Red

P.L. No. D1805-E

DIAL GAUGES

Brake Pipe Air Flow Indicator

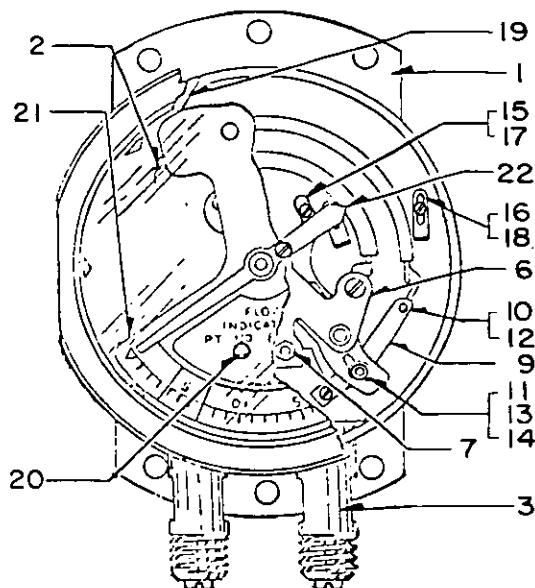
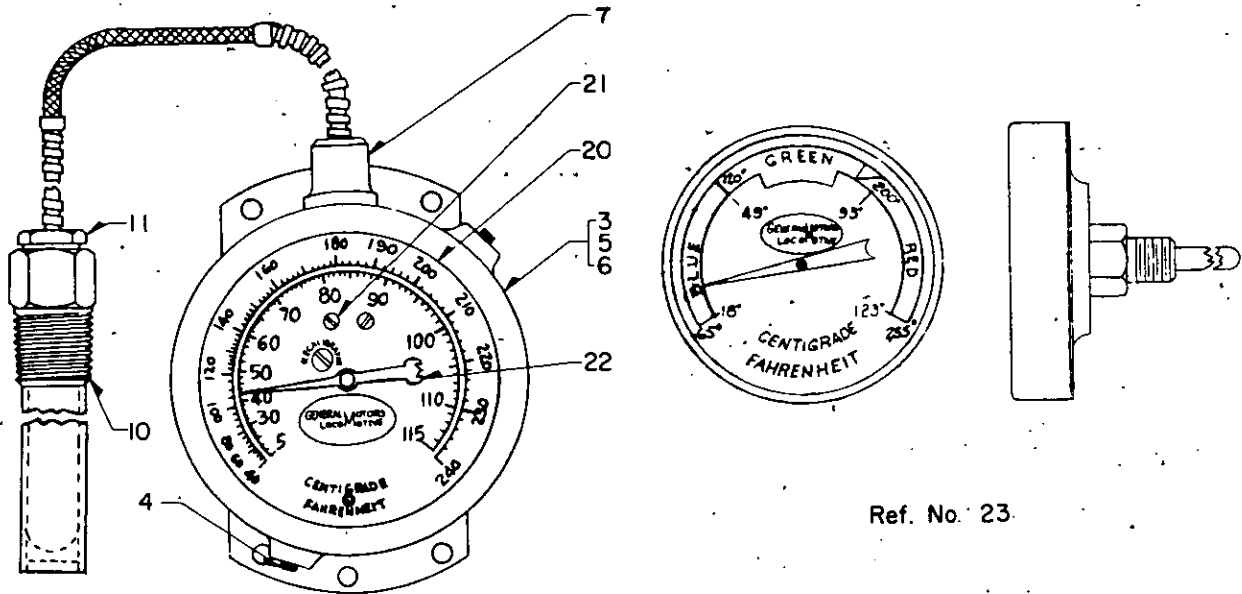


PLATE C1805-E-4

Ref. No.	Part Number	No. Req.	Description
1	8387634	1	INDICATOR .. Brake pipe air flow
2	8417658	1	LENS .. Molded acrylic plastic - Replaces 8387322
3	8275019	1	SOCKET ASSEMBLY .. Includes bourdon tube
* 4	8222133	1	GASKET .. Socket to case
* 5	8222126	2	SCREW .. Case to socket - 10-32 x 1/2 flat head - Formerly 436534
6	8222134	1	MOVEMENT ASSEMBLY .. Indicator
7	8238096	2	STUD .. Movement mtg. - 3-48 I.D. x 8-32 O.D. x .195 hex. head
* 8	8275009	1	LINK .. Connection - Short
9	8275010	1	LINK .. Connection - Long
10	8222131	2	SCREW .. Link segment
11	8222132	2	SCREW .. End piece
12	8222129	2	NUT .. Sliding - Link segment screw
13	140630	2	NUT .. End piece screw - 2-56 hex.
14	8222142	2	WASHER .. Spacer - End piece screw
15	8295949	2	STOP .. Minimum and maximum - Short
16	8295948	1	STOP .. Maximum - Long
17	8295946	2	SCREW .. Stop mounting - 2-56 x 5/32 pan head
18	8295947	1	SCREW .. Stop mounting - 2-56 x 1/8 pan head
19		1	DIAL .. Indicator - 60,80,100,120,140,160 lb. reading
20	8222130	2	SCREW .. Dial mounting - 3-48 x 1/8 pan head
21	8275018	1	SEGMENT .. Rotating - Graduating marks only
22	8275011	1	POINTER .. Indicator - Red

DIAL GAUGES Water Temperature Gauge.

P.L. No. D1805-E



Ref. No. 23

Ref. Nos. 1 and 2

PLATE C1805-E-5

Ref. No.	Part Number	No. Req.	Description
1	8417020	A	GAUGE .. Water temperature - 40° to 240° F. - 5° to 115° C. - 23 feet of capillary lead
2	8398927	B	GAUGE .. Water temperature - 40° to 240° F. - 5° to 115° C. - 35 feet of capillary lead
3	8218701	1	RING ASSEMBLY .. Gauge glass
4	140868	2	SCREW .. Set - 10-24 x 1/4 hex. socket - Cup point
5	8369482	1	GLASS .. Gauge
6	8275736	1	RING .. Plexiglass
7		1	SOCKET ASY. .. Includes bourdon tube and capillary lead
7		1	SOCKET ASY. .. Includes bourdon tube and capillary lead
8	8238599	1	GASKET .. Socket to case
* 9	8222126	2	SCREW .. Case to socket - 10-32 x 1/2 pan head - Formerly 436534
10	8238100	1	SOCKET .. Separable - 1/2 M.P.T. x 3/4-16 F.P.T.
11	8238092	1	NUT .. Union - 3/4-16 hex.
*12	8238093	1	MOVEMENT ASSEMBLY .. Gauge
*13	8238096	2	STUD .. Movement mtg. - 3-48 I.D. x 8-32 O.D. x .195 hex. head
*14	8238099	1	LINK .. Connection
*15	8238095	1	SCREW .. Link segment - 2-56 x 21/64 round head
*16	8238094	1	SCREW .. End piece - 2-56 x 19/64 round head
*17	8222129	1	NUT .. Sliding - Link segment screw
*18	8238598	1	NUT .. End piece screw
*19	8222142	1	WASHER .. Spacer - End piece screw
20		1	DIAL ASSEMBLY .. Includes stop pin
20		1	DIAL ASSEMBLY .. Includes stop pin
21	8222130	2	SCREW .. Dial mounting - 3-48 x 1/8 pan head
22	8238098	1	POINTER ASSEMBLY .. White
23	8099907	1	GAUGE .. Engine inlet water temperature - Blue, green and red dial - 65° to 255° F. - 18° to 123° C. - 1/2 M.P.T. Repl. 8232106

AUGUST, 1980

P.L. No. D1805-E

DIAL GAUGES

Vacuum, Air, Water and Lube Oil Gauges

(Not Illustrated)

Ref. No.	Part Number	No. Req.	Description
1	9081458	1	GAUGE .. Air pressure - 3-1/2 in. duplex - 0 to 11 Kg/Cm ² BC-BP or MR-ER
2	9081457	1	GAUGE .. Oil pressure - 3-1/2 in. single pointer - 0-11 Kg/Cm ²
3	9081456	1	GAUGE .. Air pressure - 3-1/2 in. single pointer - 0-14 Kg/Cm ² MR pressure
4	8488763	1	GAUGE .. Vacuum - 3-1/2 in. duplex - 0 to 1000 milli bar - VMR-VBP
5	8488761	1	GAUGE .. Air pressure - 3-1/2 in. duplex - 0 to 11 bar - BC-BP
6	8453723	1	GAUGE .. Vacuum - 3-1/2 in. single pointer - 0 to 4 bar - Vacuum air control or turbo pressure
7	8453721	1	GAUGE .. Pressure - 3-1/2 in. single pointer - 0 to 11 bar - MR pressure or L.O. pressure

/ Ref. Nos. 1 thru 7 use Quantity 1 molder acrylic lens P/N 8417650.

8 8453837 1 GAUGE .. Air pressure - 3-1/2 in. single pointer - 0 to 14 bar -

≠ Ref. No. 8 uses Quantity 1 glass lens P/N 8497063.

9 8453724 1 GAUGE .. Engine inlet water temperature - 3-1/2 in. dial
thermometer - 5^o to 115^o centigrade - Includes 39 feet
of capillary tube and sensor

Parts List No. J1850

BALL COCK VALVES

Air, Fuel Oil, Lube Oil and Water Ball Cock Valves

Reference List

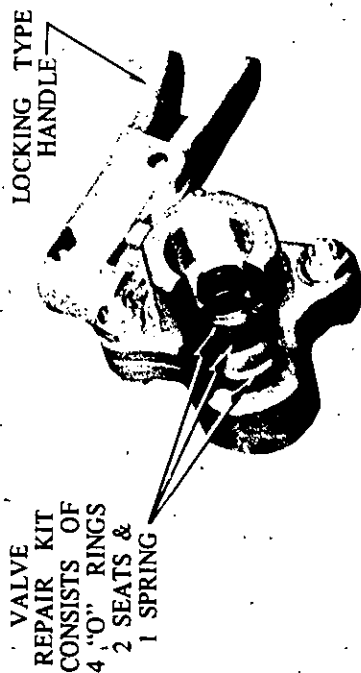
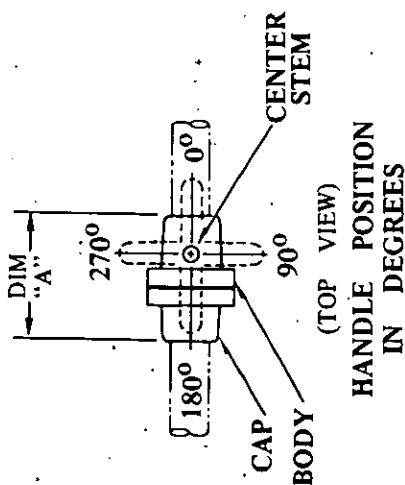


PLATE H1850-1

Ref. No.	Part Number	Pipe Size F.P.T.	Porting Full or Standard	Vented (B - Body) (C - Cap)	Length Dim. "A"	Valve Handle					Repair Kit
						Part Number	Position		Plain or Locking	Handle Length	
							Open	Closed			
# 1	9316689	1/4	Full	-	2-7/16 in.	-	0°	90°	*	3-3/4 in.	8362238
2	8351607	3/8	Full	-	2-9/16 in.	8407711	0°	90°	Plain	1-3/4 in.	8362238
3	8351608	3/8	Full	-	2-9/16 in.	8407712	90°	0°	Plain	1-1/2 in.	8362238
4	8362821	3/8	Full	-	2-9/16 in.	8464316	90°	0°	Locking	3-1/8 in.	8362238
5	8388228	3/8	Full	-	2-9/16 in.	8407715	90°	0°	Plain	3-3/4 in.	8362238
6	8390302	3/8	Full	-	2-9/16 in.	-	0°	90°	Plain	1-3/4 in.	8362238
7	8444084	3/8	Full	-	2-9/16 in.	8407715	90°	0°	Plain	3-3/4 in.	-
8	8452907	3/8	Full	(C) 5/64 in.	2-9/16 in.	-	0°	90°	Plain	3-3/4 in.	-
9	8472183	3/8	Full	-	2-9/16 in.	-	0°	90°	***Plain	1-3/4 in.	-
# 10	8485024	3/8	Full	(B) 5/64 in.	2-9/16 in.	8407711	0°	90°	Plain	1-3/4 in.	-
11	9081684	3/8	Full	-	2-9/16 in.	-	90°	0°	**Plain	1-3/4 in.	-
# 12	9093616	3/8	Full	-	2-9/16 in.	-	90°	0°	**	1-3/4 in.	-

NOTE: All valves are rated for Air, Fuel Oil, Lube Oil and Water applications. Valves that contain Teflon Seats are rated - 400°F to 2000°F. Valves with Buna-N Seats are rated - 400°F to 200°F. Working pressure is 300 P.S.I. for all valves.

* Spring loaded closed ** Safety wired in open position *** Safety wired in closed position

† Standard porting provides flow capacity accepted as standard by industry. Full ported flow capacity is equivalent to the capacity of the pipe for which the valve is tapped.

‡ Valve and repair kits contain Teflon Seats.

P.L. No. J1850

BALL COCK VALVES

Ref. No.	Part Number	Pipe Size F.P.T.	Porting Full or Standard	Vented (B - Body) (C - Cap)	Length Dim. "A"	Valve Handle			Repair Kit
						Part Number	Position Open	Plain or Locking	Handle Length
13	8178307	1/2	Standard	-	1-5/16 in.	-	90°	Locking	3-1/8 in.
14	8351610	1/2	Full	-	2-11/16 in.	8464316	90°	Locking	3-1/8 in.
15	8351611	1/2	Standard	-	2-9/16 in.	8407715	90°	Plain	3-3/4 in.
16	8365777	1/2	Standard	-	2-9/16 in.	-	0°	Plain	3-3/4 in.
17	8379840	1/2	Standard	-	2-9/16 in.	-	0°	Plain	1-3/4 in.
#18	8419531	1/2	Full	(B) 3/32 in.	2-11/16 in.	8464316	90°	Locking	3-1/8 in.
19	8452512	1/2	Standard	-	2-9/16 in.	8407715	0°	Plain	3-3/4 in.
20	8455089	1/2	Full	-	2-11/16 in.	-	225°	Dual	5 in.
#21	8489939	1/2	Standard	(C) 1/2 M.P.T.	2-9/16 in.	8464316	90°	Locking	3-1/8 in.
22	9085888	1/2	Full	-	2-11/16 in.	-	0°	Special	3-1/8 in.
23	9322896	1/2	Full	-	-	-	270°	Plain	4-7/16 in.
24	9323901	1/2	Full	-	2-5/32 in.	-	180°	Wrench	No handle
25	9333430	1/2	Full	-	2-11/16 in.	-	90°	Plain	1-3/4 in.
26	9338021	1/2	Full	-	2-11/16 in.	-	90°	Locking	5-7/8 in.
27	9508718	1/2	Standard	-	2-9/16 in.	-	0°	Locking	1-3/4 in.
28	8363655	3/4	Full	-	3-1/4 in.	8464316	90°	Locking	3-1/8 in.
29	8375667	3/4	Full	-	3-1/4 in.	-	90°	Plain	3-1/8 in.
30	8379841	3/4	Standard	-	2-11/16 in.	-	0°	Plain	4-7/16 in.
31	8381999	3/4	Full	-	3-1/4 in.	-	270°	Plain	4-7/16 in.
#32	8454218	3/4	Standard	(B) 7/32 in.	2-11/16 in.	-	90°	**	1-3/4 in.
#33	8458813	3/4	Full	-	3-1/4 in.	-	0°	Wrench	No handle
#34	8467908	3/4	Full	(B) 3/32 in.	3-1/4 in.	-	90°	Locking	3-1/8 in.
35	9330855	3/4	Standard	-	2-11/16 in.	-	90°	Special	6-3/4 in.
36	9501291	3/4	Full	-	3-1/4 in.	-	0°	Wrench	No handle
37	8351609	1	Full	-	3-15/16 in.	-	90°	Locking	5-1/8 in.
38	8358203	1	Standard	-	3-1/4 in.	-	0°	Plain	4-7/16 in.
39	8387230	1	Full	-	3-15/16 in.	8473752	270°	Plain	5-13/16 in.
#40	8451783	1	Full	(B) 1/8 in.	3-15/16 in.	8464315	0°	Locking	5-1/8 in.
#41	8458814	1	Standard	-	3-1/4 in.	-	0°	Wrench	No handle
42	9314732	1	Standard	-	4-1/4 in.	-	315°	-	8 in.
43	9317782	1	Full	-	4-1/4 in.	9317781	0°	Plain	8 in.
44	9321880	1	Full	-	4-1/4 in.	-	0°	Plain	8 in.
45	9322895	1	Full	-	-	-	270°	Plain	5-13/16 in.

NOTE: All valves are rated for Air, Fuel Oil, Lube Oil and Water applications. Valves that contain Teflon Seats are rated - 400°F to 2000°F. Valves with Buna-N Seats are rated - 400°F to 2000°F. Working pressure is 300 P.S.I. for all valves.

* Spring loaded closed ** Safety wired in open position *** Safety wired in closed position

† Standard porting provides flow capacity accepted as standard by industry. Full ported flow capacity is equivalent to the capacity of the pipe for which the valve is tapped.

‡ Valve and repair kits contain Teflon Seats.

BALL COCK VALVES

P.L. No. J1850

Ref. No.	Part Number	Pipe Size F.P.T.	Porting Full or Standard	Vented (B - Body) (C - Cap)	Length Dim. "A"	Valve Handle			Repair Kit
						Part Number	Position Open	Plain or Locking Closed	
46	8354227	1-1/4	Standard	-	6-7/8 in.	8381409	00	900	8362236
#47	8363508	1-1/4	Full	-	4-1/4 in.	8473752	1800	900	8372452
48	8365217	1-1/4	Full	-	4-1/4 in.	-	2700	00	8372452
49	8388154	1-1/4	Full	-	4-1/4 in.	-	900	00	8406747
50	8389006	1-1/4	Full	(C) 1/4 in.	4-1/4 in.	-	00	900	8406747
51	8389007	1-1/4	Full	(B) 1/4 in.	4-1/4 in.	-	00	900	8406747
52	8497555	1-1/4	Full	-	4-1/4 in.	-	00	2700	-
#53	8416261	1-1/4	Full	(B) 1/8 in.	6-7/8 in.	-	1800	900	8427980
54	8425358	1-1/4	Standard	-	1-15/16 in.	-	3150	2250	8362236
#55	8430183	1-1/4	Full	-	6-7/8 in.	8381409	1800	2700	-
#56	8431621	1-1/4	Full	(B) 1/8 in.	6-7/8 in.	-	1800	2700	8427980
57	8442864	1-1/4	Standard	-	1-15/16 in.	-	1350	450	-
#58	8451782	1-1/4	Full	(B) 1/8 in.	4-1/4 in.	8464315	00	900	8427980
59	8454217	1-1/4	Full	(B) 1/8 in.	4-1/4 in.	-	2700	00	-
60	8498092	1-1/4	Full	-	5-13/16 in.	-	00	2700	-
61	9088395	1-1/4	Full	-	4-3/8 in.	-	1800	2700	-
#62	9091503	1-1/4	Full	-	4-1/4 in.	-	2700	00	-
63	9317126	1-1/4	Standard	-	4-7/8 in.	-	00	2700	-
64	9332599	1-1/4	Full	(B) 1/8 in.	-	-	900	00	-
65	9338265	1-1/4	Full	-	-	-	00	900	-
66	8409024	1-1/2	Standard	-	4-1/4 in.	8464313	00	900	8406747
#67	8458815	1-1/2	Standard	-	4-1/4 in.	-	00	2700	8372452
68	8463756	1-1/2	Standard	-	-	8381409	-	900	-
69	8370552	2	Standard	-	4-11/16 in.	-	00	900	8377693
70	8375934	2	Standard	-	4-11/16 in.	8464313	00	900	8377693
71	8453457	2	Full	-	5-23/64 in.	-	00	900	-
72	8486540	2	Full	-	3-5/8 in.	-	00	900	-
#73	8495276	2	Standard	-	4-11/16 in.	-	00	2700	-
#74	9313363	2	Full	-	5-1/2 in.	-	1800	2700	-

NOTE: All valves are rated for Air, Fuel Oil, Lube Oil and Water applications. Valves that contain Teflon Seats are rated - 400°F to 2000°F. Valves with Buna-N Seats are rated - 400°F to 200°F. Working pressure is 300 P.S.I. for all valves.

* Spring loaded closed ** Safety wired in open position *** Safety wired in closed position

† Standard porting provides flow capacity accepted as standard by industry. Full ported flow capacity is equivalent to the capacity of the pipe for which the valve is tapped.

‡ Valve and repair kits contain Teflon Seats.

P.L. No. J1850

BALL COCK VALVES

Ref. No.	Part Number	Pipe Size F.P.T.	Porting Full or Standard	Vented (B - Body) (C - Cap)	Length Dim. "A"	Valve Handle				Repair Kit	
						Part Number	Position		Plain or Locking		Handle Length
							Open	Closed			
3 Way Valves											
#75	8412325	1 x 1/8 in.	1 x 1/8 in.	(B) 1/8 in.	3-15/16 in.	-	90°	0°	Plain	5-1/8 in.	8413596
#76	8419531	1/2 x 1/2 x 1/8 in.	1/2 x 1/2 x 1/8 in.	(B) 1/8 in.	2-11/16 in.	-	90°	0°	Locking	3-1/8 in.	8424979
#77	8423393	3/4 x 3/4 x 1/4 in.	3/4 x 3/4 x 1/4 in.	(B) 7/32 in.	3-1/4 in.	-	90°	0°	Locking	3-1/8 in.	-
#78	8454218	3/4 x 3/4 x 1/4 in.	3/4 x 3/4 x 1/4 in.	(B) 7/32 in.	2-11/16 in.	-	90°	0°	Plain	1-3/4 in.	-
#79	8441325	3/4 x 3/4 x 1/4 in.	3/4 x 3/4 x 1/4 in.	(B) 1/4 in.	1-11/16 in.	-	270°	0°	Plain	6-3/4 in.	8427979
#80	8449115	3/4 x 3/4 x 3/4 in.	3/4 x 3/4 x 3/4 in.	-	3-15/16 in.	-	0°	270°	Plain	6-1/16 in.	-
#81	9332972	3/4 x 3/4 x 3/4 in.	3/4 x 3/4 x 3/4 in.	-	3-15/16 in.	-	0°	270°	Plain	6-1/16 in.	-

NOTE: All valves are rated for Air, Fuel Oil, Lube Oil and Water applications. Valves that contain Teflon Seats are rated - 400°F to 200°F. Valves with Buna-N Seats are rated - 400°F to 200°F. Working pressure is 300 P.S.I. for all valves.

* Spring loaded closed ** Safety wired in open position *** Safety wired in closed position

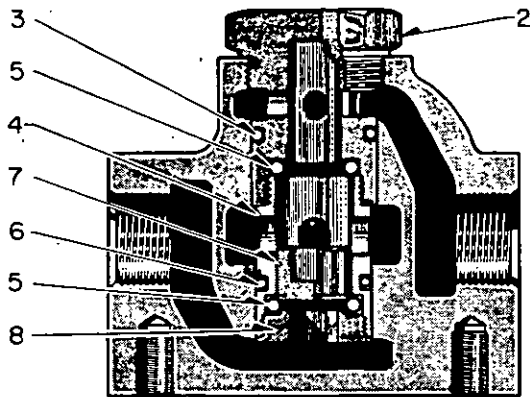
† Standard porting provides flow capacity accepted as standard by industry. Full ported flow capacity is equivalent to the capacity of the pipe for which the valve is tapped.

‡ Valve and repair kits contain Teflon Seats.

SANDING EQUIPMENT

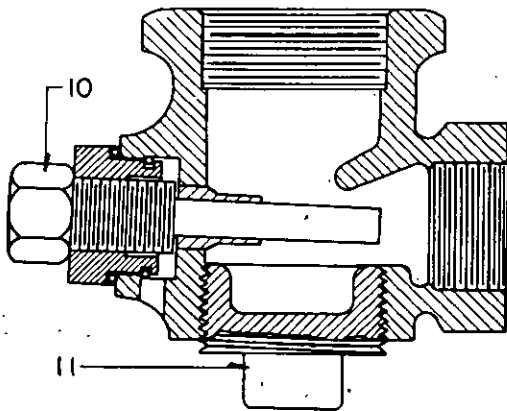
Parts List No. D1900-E

Two-Way Check Valve and Sand Traps
 G18U,G18W,GA18,G22W,G22CU,G22CW,GL22C,GT22CU,
 GT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



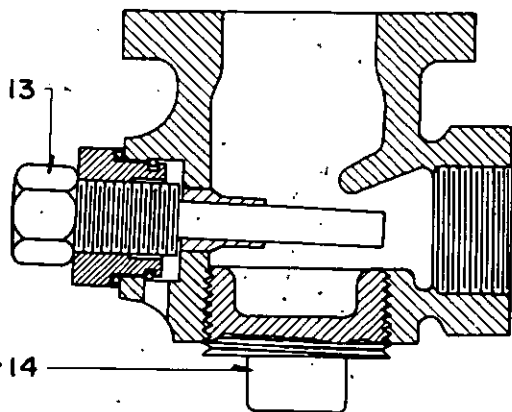
Ref. No. 1

Ref. No.	Part Number	No. Req.	Description
VALVE .. Two-Way Check - G18U,G22W,G22CW, GT22CU,GT22CW,G26CW,GT26CW and GT26CU-2 Locomotives			
1	8318372	1	VALVE .. Cartridge type - 596
2	8321182	1	CAP .. Valve cartridge
3	8321180	1	RING .. "O" - Cap to body
4	8321183	1	BODY .. Valve cartridge
5	8156983	2	RING .. "O" - Cartridge body to cap and retainer
6	8293538	1	RING .. "O" - Cartridge body to valve body
7	8321184	1	SHUTTLE .. Valve
8	8341948	1	RETAINER .. Valve shuttle



Ref. No. 9

TRAP .. Sand - 273 - G22W,GL22C,G26CW and GT26CW Locomotives			
9	8335166	1	TRAP .. Sand - 273 - 1-1/2 F.P.T. sand inlet, 1 F.P.T. sand outlet
10	8350356	1	NOZZLE .. Sand trap
11	219307	1	PLUG .. Clean out - 1-1/2 M.P.T.



Ref. No. 12

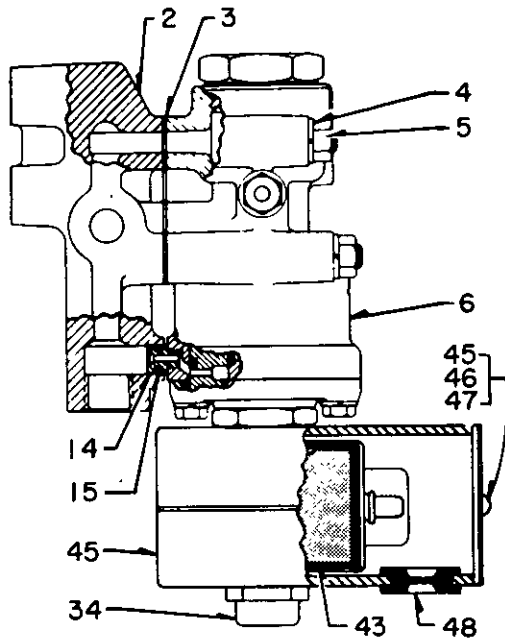
TRAP .. Sand - 273-F-G18U,G18W,GA18,GL18M,G22W, G22CU,G22CW,GT22CU, JT22CW-2,G26CU,G26CW, GT26CW,GT26CU-2 and GT26CW-2 Locomotives			
12	8269587	1	TRAP .. Sand - 273-F - 3-1/4 in. square flange sand inlet, 1 F.P.T. sand outlet
13	8350356	1	NOZZLE .. Sand trap
14	219307	1	PLUG .. Clean out - 1-1/2 M.P.T.
*+15	8101197	1	GASKET .. Trap mounting
*+16	179839	4	BOLT .. 3/16-18 x 1 hex. head
*+17	103321	4	WASHER .. Lock - 3/8

PLATE C1900-E-1

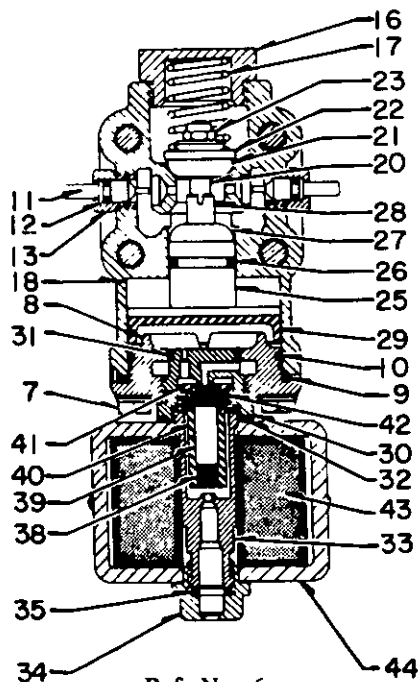
P.L. No. D1900-E

SANDING EQUIPMENT

500-BS-1-20 Solenoid Actuated Sander Control Valve
 G18U,G18W,GA18,GL18M,G22W,G22U,G22CW,GL22C,GT22CU,
 GT22CW,JT22CW-2,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1



Ref. No. 6

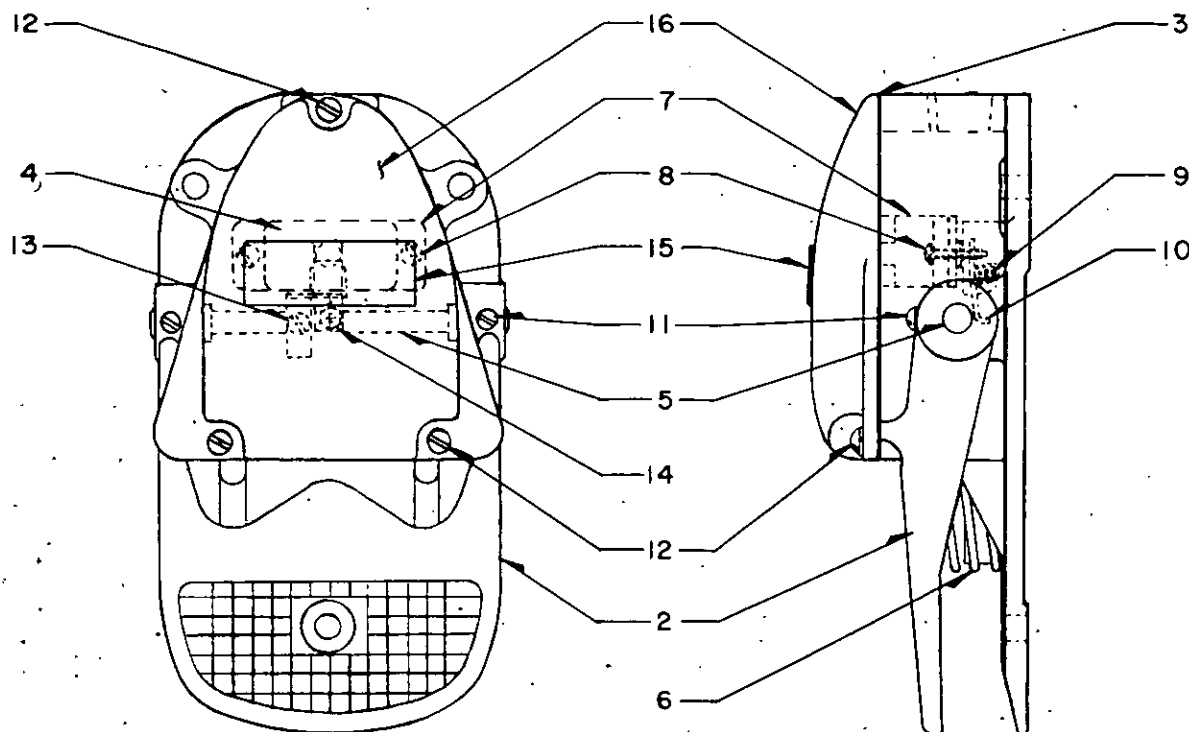
PLATE C1900-E-2

Ref. No.	Part Number	No. Req.	Description
1	8464204	1	VALVE ASY. .. 500-BS-1-20 - Repl. 8332920
2	8353943	1	BRACKET .. Mounting
3	8294568	1	GASKET .. Mounting
4	120214	4	WASHER .. Lock - 5/16
5	120376	4	NUT .. 5/16-18 hex.
6	8498335	1	VALVE ASY. .. Less mtg. bracket- Repl. 8382422
7	9411424	4	SCREW .. 1/4-20 x 3/4 hex. hd.
8		1	CAP .. Actuating cylinder
9	8350389	1	RING .. Rubber "O" - 2-1/16 I.D.
10	8308292	1	RING .. Rubber "O" - 1-51/64 I.D.
11	8350385	2	PLUNGER .. Jet cleanout
12	8156974	2	RING .. Rubber "O" - 3/16 I.D.
13	8350384	2	BODY .. Plunger
14	8350859	1	PLUG .. Strainer
15	8156967	1	RING .. Rubber "O" - 1/4 I.D.
16	8133223	1	CAP .. Spring
17	8133220	1	SPRING .. 1-1/2 in. lg.=7 turns
18		1	BODY .. Valve
19	8294566	1	VALVE ASY. .. Intake
20	8350860	1	STEM .. Valve - 7/16x1-11/32 in.
21	8294563	1	SEAT .. Valve
22	8294569	1	WASHER .. Valve seat
23	8035144	1	NUT .. Lock - 1/4-20 hex.
24	8294571	1	PISTON ASY. .. Actuating
25	8294565	1	PISTON .. Actuating
26	8156971	1	RING .. Rubber "O" - .674 I.D.
27	8294563	1	SEAT .. Valve
28	8350858	1	STEM .. Piston - 7/16 x 1 in.
29	8078285	1	WASHER .. Cup
30	8351170	1	BODY .. Solenoid valve
31	8350390	1	RING .. Rubber "O" - 13/16 I.D.
32	8362707	1	RING .. Rubber "O" - 1:00 I.D.
33	8350383	1	POLE .. Coil
34	8360402	1	NUT .. Exhaust - 4/8-18 hex.
35	8305664	1	RING .. Rubber "O" - .362 I.D. - Previously 8350664
36	8250983	1	PLUNGER ASY. .. Valve
37	8447977	1	KIT ASY. .. Seat and spacer
38	8251091	2	SEAT .. Plunger
39	8293034	1	SPACER .. Plunger
40	8293029	1	BODY .. Plunger
41	8293036	1	CAP .. Plunger
42	8288488	1	SPRING .. 1-1/8 in. lg.=4-1/2 turns
43	8468748	1	COIL .. Magnet - 330 Ohms - Repl. 8292290
44	8390672	1	CASE .. Coil
45		1	PLATE .. Cover
46	8293030	1	GASKET .. Cover plate
47	121832	2	SCREW .. 8-32 x 3/8 round head
48	8251649	1	GROMMET .. Black rubber

P.L. No. D1900-E

SANDING EQUIPMENT

Manual Foot Sanding, Service Brake Foot Pedal and Air Horn Switch
GL18M, JT22CW and GT26CW Locomotives



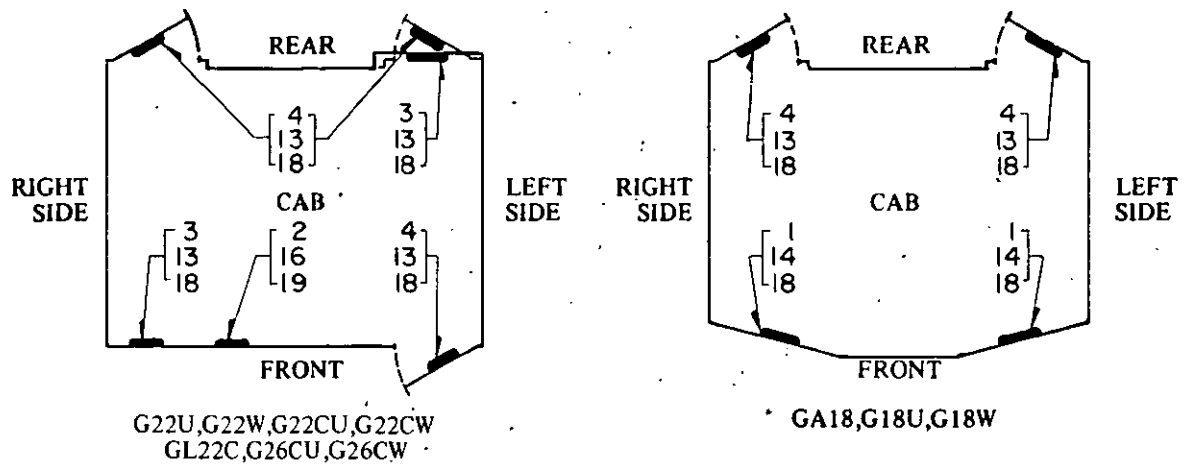
Ref. No. 1
PLATE C1900-E-3

Ref. No.	Part Number	No. Req.	Description
1	8295369	1	SWITCH .. Foot Type
2	8454389	1	PEDAL .. Foot
3	8454390	1	GASKET .. Bottom enclosure to top cover
4	8454391	1	BLOCK .. Actuator
5	8454392	1	SHAFT .. Pedal
6	8454393	1	SPRING .. Pedal
7	8144845	1	SWITCH .. Snap
8	228295	2	SCREW ASSEMBLY .. Machine - 6-32 x 1/2 - Round slotted head with lockwasher
9	8454394	1	SPRING .. Actuator
10	8454395	1	LEVER .. Actuator
11	228342	2	SCREW ASY. ... Machine - 8-32 x 7/8 - Round slotted head with lockwasher
12	228358	3	SCREW ASY. ... Machine - 10-24 x 1/2 - Round slotted head with lockwasher
13	228343	1	SCREW ASY. ... Machine - 8-32 x 1 - Round slotted head with lockwasher
14		1	SCREW .. Set - Switch adjustment
15		1	PLATE .. Name
16		1	COVER .. Plain type
*17	9311274	1	PEDAL ASSEMBLY .. Left side
*18	9311275	1	PEDAL ASSEMBLY .. Right side
*19	9311255	2	PIN .. Actuating
*20	9311886	2	PIN .. Pedal hinge
*21	121223	4	PIN .. Cotter - Pedal hinge pin
*22	9311829	1	SUPPORT ASSEMBLY .. Pedal - Left side
*23	9311826	1	SUPPORT ASSEMBLY .. Pedal - Right side
*24	130129	12	SCREW .. Wood - Support mtg. - No. 10 x 3/4 round head slotted
*25	130434	6	SCREW .. Wood - Switch mtg. - No. 14 x 1 - 1/4 round head slotted
*26	8224254	2	BUSHING .. Strain relief - Switch connection - 3/4 M.P.T. - Incl. knurled nut
*27	8453681	-	SLEEVEING .. Fiberglass - 3/4 I.D. - Approx. 8 ft. required

9312336 24637 24469

WINDOW WIPER

Window Wiper Air Motor, Blades and Air Line
GA18,G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives



AIR MOTOR LOCATION CHART
PLATE C2106-E-1

Ref. No.	Part Number	Number Required			Description
		A	-	-	GA18,G18U,G18W locomotives
		B	-	-	G22U,G22W,G22CU,GL22C and G26CW locomotives
		C	-	-	G22CU,G22CW,G26CU and G26CW locomotives
1	8335924	2	-	-	MOTOR .. Air - 80° sweep
2	8385217	-	1	1	MOTOR .. Air - 75° sweep
3	8343468	-	2	1	MOTOR .. Air - 50° sweep
4	8343469	2	2	3	MOTOR .. Air - 40° sweep
* 5	8385216	-	1	1	DRIVE ASSEMBLY .. Auxiliary - Left front
* 6	8335943	4	4	4	PIVOT .. Outer spacer guide
* 7	8310363	4	4	4	GASKET .. Outer spacer and pivot guide
* 8	181309	8	12	12	BOLT .. Motor and drive mounting - 1/4-20 x 1/2 hex. head
* 9	103319	8	12	12	WASHER .. Lock - 1/4
* 10	120222	8	8	8	SCREW .. Machine - Pivot mounting - 10-24 x 5/8 round head
* 11	120217	8	8	8	WASHER .. Lock - No. 10
* 12	8385215	-	1	1	ROD ASSEMBLY .. Connecting - Air motor to auxiliary drive shaft
13	8313113	2	4	4	ARM ASSEMBLY .. Parallelogram - Cab door and stationary windows
14	8310360	2	-	-	ARM ASSEMBLY .. Parallelogram - Cab front stationary windows
* 15	8310364	4	4	4	NUT .. Clamping - Arm assembly to outer spacer and pivot guide
16	8385214	-	2	2	ARM ASSEMBLY .. Cab front center windows
* 17	8310368	4	4	4	BLADE .. Window wiper - 18 in. long
18	8348903	-	2	2	BLADE .. Window wiper - 12 in. long
19	8155981	2	3	4	HOSE ASSEMBLY .. Air motor to air line at cab door
* 20	8310366	4	5	6	VALVE .. Pressure regulating - See Page 15
* 21	8312944	2	1	-	BRACKET .. Valve mounting - Two (2) valves
* 22	8312943	2	1	-	COVER .. Valve
* 23	8349463	-	1	1	BRACKET .. Valve mounting - Three (3) valves
* 24	8449486	-	-	1	BRACKET .. Valve mounting - Three (3) valves
* 25	8349462	-	1	2	COVER .. Valve
* 26	171575	4	4	4	SCREW .. Tapping - Cover to bracket - 10-32 x 3/8 round head
* 27	145371	-	-	6	SCREW .. Drive - Cover to bracket - No. 2 x 1/4 round head
* 28	171577	10	10	10	SCREW .. Tapping - Bracket mounting - 10-32 x 1/2 round head

8383796K 18558 19377 20801
8396154C 20673 21023

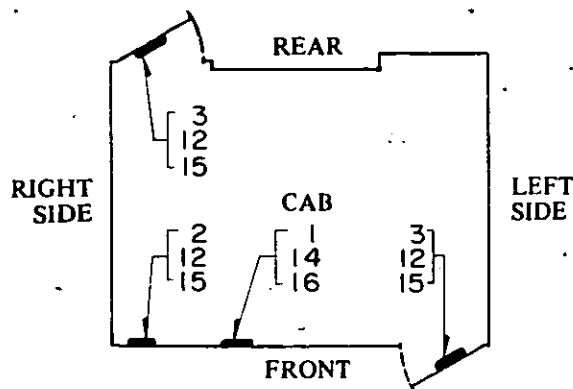
P.L. No. C2106-E

WINDOW WIPER

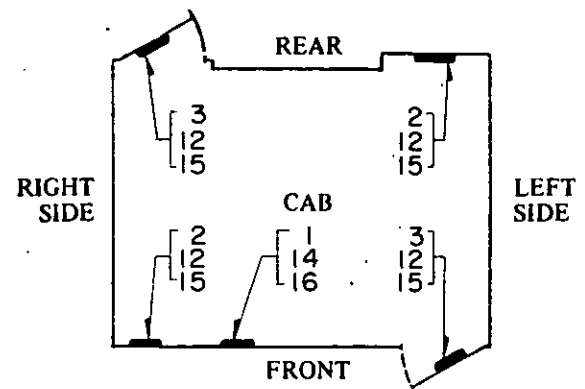
Ref. No.	Part Number	Number Required			Description
		A	-	-	GA18,G18U and G18W locomotives
		-	B	-	G22U,G22W,G22CU,GL22C and G26CW locomotives
		-	-	C	G22CU,G22CW,G26CU and G26CW locomotives
*29	8098593	As Required			TUBING .. 1/4 in. O.D. x .028 wall copper brazed steel - Sold per foot - Available 20 ft. length
*30	8098594	As Required			TUBING .. 3/8 in. O.D. x .028 wall cop. brazed stl. - Sold per ft. - Avail. 20 ft. length
*31	8108202	8	2	2	CLAMP ASSEMBLY .. 3/8 in. tubing support
*32	8108199	2	-	-	CLAMP ASSEMBLY .. 1/4 in. tubing support
*33	120521	12	31	36	CLIP .. Closed - 1/4 in. tubing and hose support
*34	171577	10	28	33	SCREW .. Tapping - Clip mounting - 10-32 x 1/2 round head
*35	8395162	-	-	2	PAD .. Tapping - 3/4 in. x 3/4 in. x 3/16 in.
*36	116542	12	18	24	NUT .. 1/4 tube
*37	112758	2	2	2	NUT .. 1/2 tube
*38	116436	-	2	2	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
*39	118748	8	8	9	CONNECTOR .. 1/4 tube x 1/8 M.P.T.
*40	118750	-	1	1	CONNECTOR .. 3/8 tube x 1/4 M.P.T.
*41	121323	2	1	1	CONNECTOR .. 3/8 tube x 1/4 F.P.T.
*42	8040312	2	-	-	CONNECTOR .. 3/8 tube x 1/8 M.P.T.
*43	118800	-	1	3	UNION .. 1/4 tube
*44	118810	2	1	1	ELBOW .. 1/4 tube
*45	118812	2	-	-	ELBOW .. 3/8 tube
*46	118753	-	-	1	ELBOW .. Pipe - 1/4 M.P.T.
*47	119455	2	2	2	ELBOW .. Pipe - 1/4 F.P.T.
*48	121761	2	3	5	TEE .. Pipe - 1/8 F.P.T.
*49	8043832	-	1	1	TEE .. Pipe - 1/4 F.P.T.
*50	8061465	-	1	3	NIPPLE .. Pipe - 1/8 M.P.T. x 1-1/2 in. long - Brass
*51	8083497	4	2	6	NIPPLE .. Pipe - 1/8 M.P.T. x 3/4 in. long - Brass
*52	8148847	2	1	-	NIPPLE .. Pipe - 1/8 M.P.T. x 3 in. long - Brass
*53	8148849	-	1	2	NIPPLE .. Pipe - 1/8 M.P.T. x 3-1/2 in. long - Brass
*54	178763	2	2	2	PLUG .. Button - 11/16 hole
*55	113175	-	-	2	PLUG .. Pipe - 1/8 M.P.T. - Square head

P.L. No. C2106-E

WINDOW WIPER

Window Wiper Air Motor, Blades and Air Line
GT26CW Locomotive

Locomotives With (4) Air Motors



Locomotives With (5) Air Motors

AIR MOTOR LOCATION CHART

PLATE C2106-E-2

Ref. No.	Part Number	No. Req.	Description
		A	GT26CW with (4) air motors
		B	GT26CW with (5) air motors
1	8385217	1 1	MOTOR .. Air - 75° sweep
2	8343468	1 2	MOTOR .. Air - 50° sweep
3	8343469	2 2	MOTOR .. Air - 40° sweep
* 4	8385216	1 1	DRIVE ASSEMBLY .. Auxiliary - Left front center window
* 5	8335943	3 4	PIVOT .. Outer spacer and guide
* 6	8310363	3 4	GASKET .. Outer spacer and guide pivot
* 7	181309	10 12	BOLT .. Motor and drive mounting - 1/4-20 x 1/2 hex. head
* 8	103319	10 12	WASHER .. Lock - 1/4
* 9	120222	6 8	SCREW .. Machine - Pivot mounting - 10-24 x 5/8 round head
* 10	120217	6 8	WASHER .. Lock - No. 10
* 11	8447001	1 1	ROD ASSEMBLY .. Connecting - Air motor to auxiliary drive shaft
12	8313113	3 4	ARM ASSEMBLY .. Parallelgram - Cab doors and stationary windows
* 13	8310364	3 4	NUT .. Clamping - Arm assembly to outer spacer and pivot guide
14	8385214	2 2	ARM ASSEMBLY .. Cab front center windows
15	8310368	3 4	BLADE .. Window wiper - 18 in. long
16	8348903	2 2	BLADE .. Window wiper - 12 in. long
* 17	8155981	2 3	HOSE ASSEMBLY .. Air motor to air line
* 18	8310366	4 5	VALVE .. Pressure regulating - See Page 15
* 19	8312944	1 1	BRACKET .. Valve mounting - One (1) or two (2) valves
* 20	8312943	1 1	COVER .. Valve
* 21	8349463	1 1	BRACKET .. Valve mounting - Three (3) valves
* 22	8349462	1 1	COVER .. Valve
* 23	171575	5 5	SCREW .. Tapping - Cover to bracket - 10-32 x 3/8 round head
* 24	171577	10 10	SCREW .. Tapping - Cover and bracket mtg. - 10-32 x 1/2 round head
* 25	8098593	A.R.	TUBING .. 1/4 in. O.D. x .028 wall copper brazed steel 20 feet
* 26	8098594	A.R.	TUBING .. 3/8 in. O.D. x .028 wall copper brazed steel 20 feet
* 27			Reference Number Not Used
* 28	120521	29 31	CLIP .. Closed - 1/4 in. tubing support
* 29	120523	7 9	CLIP .. Closed - Hose support
* 30	171577	28 32	SCREW .. Tapping - Clip mounting - 10-32 x 1/2 round head
* 31	116542	16 18	NUT .. 1/4 tube
* 32	121758	2 2	NUT .. 3/8 tube

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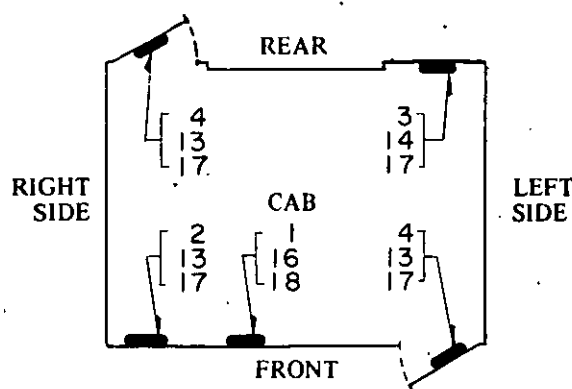
P.L. No. C2106-E

WINDOW WIPER

Ref. No.	Part Number	No. Req.		Description
		A	-	Locomotives with (4) air motors
		-	B	Locomotives with (5) air motors
*33	118748	3	9	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
*34	121323	1	1	CONNECTOR .. 3/8 tube x 1/4 F.P.T.
*35	140638	1	1	CONNECTOR .. 3/8 tube x 3/8 F.P.T.
*36	118800	4	4	UNION .. 1/4 tube
*37	119445	1	2	ELBOW .. Pipe - 1/4 F.P.T. - 90°
*38	121761	1	1	TEE .. Pipe - 1/4 F.P.T.
*39	8061465	2	3	NIPPLE .. Pipe - 1/8 M.P.T. x 1-1/2 in. long - Brass
*40	8083497	1	2	NIPPLE .. Pipe - 1/8 M.P.T. x 3/4 in. long - Brass
*41	8148849	1	1	NIPPLE .. Pipe - 1/8 M.P.T. x 3 in. long - Brass
*42	113175	2	-	PLUG .. Pipe - 1/8 M.P.T. - Square head

WINDOW WIPER

Window Wiper Air Motors, Blades and Air Line
GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives



Locomotives With (5) Air Motors

AIR MOTOR LOCATION CHART

PLATE C2106-E-3

Ref. No.	Part Number	No. Req.	Description
	A	-	GT26CU-2 locomotives
	B	-	GT22CU,GT22CW and GT26CW-2 locomotives
1	8385217	1	MOTOR .. Air - 75° sweep - Right front center window
2	8343468	1	MOTOR .. Air - 50° sweep - Right front stationary window
3	8454075	-	MOTOR .. Air - 40° sweep - Left rear stationary window
4	8343469	1	MOTOR .. Air - 40° sweep - Access door window
* 5	8385216	1	DRIVE ASSEMBLY .. Auxiliary - Left front center window
* 6	8335943	2	PIVOT .. Outer spacer and guide
* 7	8310363	2	GASKET .. Outer spacer and guide pivot
* 8	181309	8	BOLT .. Motor and drive mounting - 1/4-20 x 1/2 hex. head
* 9	103319	8	WASHER .. Lock - 1/4
* 10	120222	4	SCREW .. Machine - Pivot mounting - 10-24 x 5/8 round head
* 11	120217	4	WASHER .. Lock - No. 10
* 12	8385215	1	ROD ASSEMBLY .. Connecting - Arm to arm - Front center windows
13	8313113	2	ARM ASSEMBLY .. Parallelogram - Cab access doors and right frt. stat. window
14	8454076	-	ARM ASSEMBLY .. Parallelogram - Cab left rear stationary window
* 15	8310364	2	NUT .. Clamping - Arm assembly to outer spacer
16	8385214	2	ARM ASSEMBLY .. Front center windows
17	8310368	2	BLADE .. Window wiper - 18 in. long
18	8348903	2	BLADE .. Window wiper - 12 in. long
* 19	8155981	1	HOSE ASSEMBLY .. Air motor to air line at cab access doors
* 20	8310366	4	VALVE .. Pressure regulating - See Page 15
* 21	8449486	1	BRACKET .. Valve mounting - Left side
* 22	8349463	1	BRACKET .. Valve mounting - Right side
* 23	8349462	2	COVER .. Valve
* 24	171575	4	SCREW .. Tapping - Cover to bracket - 10-32 x 3/8 round head
* 25	171577	8	SCREW .. Tapping - Bracket mounting - 10-32 x 1/2 round head
* 26		2	PLATE .. Name - Window wiper (State locomotive model and order numbers)
* 27	145371	6	SCREW .. Drive - Name plate to cover - No. 2 x 1/4 round head
* 28	8098593	-	TUBING .. 1/4 O.D. x .028 wall copper brazed steel 20 ft. - Approx. 40 ft. req'd.
* 29	8098595	-	TUBING .. 1/2 O.D. x .035 wall copper brazed steel 20 ft. - 51-21/32 in. req'd.
* 30	8108206	2	CLAMP ASSEMBLY .. Hanger - 1/2 O.D. tubing - 4 in. long
* 31	120521	27	CLIP .. Close - 1/4 dia. - Hose and 1/4 O.D. tubing
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See Pages 12-14

P.L. No. C2106-E

WINDOW WIPER

Ref. No.	Part Number	No. Req.		Description
		A	-	GT26CU-2 locomotives
		-	B	GT22CU,GT22CW and GT26CW-2 locomotives
*32	171577	27	32	SCREW .. Tapping - Clip mounting - 10-32 x 1/2 round head
*33	116452	20	24	NUT .. 1/4 tube
*34	120141	2	2	NUT .. 1/2 tube
*35	118748	8	10	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
*36	8040330	1	1	CONNECTOR .. 1/2 tube x 1/4 F.P.T.
*37	8040324	1	1	CONNECTOR .. 1/2 tube x 1/2 F.P.T.
*38	118800	2	2	UNION .. 1/4 tube
*39	127887	-	1	ELBOW .. 1/4 tube x 1/8 F.P.T. - 90°
*40	118753	1	1	ELBOW .. 1/4 tube x 1/8 M.P.T. - 90°
*41	118810	2	2	ELBOW .. 1/4 tube - 90°
*42	119445	-	2	ELBOW .. Pipe - 1/8 F.P.T. - 90°
*43	121761	5	4	TEE .. Pipe - 1/8 F.P.T.
*44	8040391	1	1	TEE .. 1/4 tube x 1/4 tube x 1/4 M.P.T.
*45	8061465	1	4	NIPPLE .. Pipe - 1/8 M.P.T. x 1-1/2 in. long - Brass
*46	8083497	4	6	NIPPLE .. Pipe - 1/8 M.P.T. x 3/4 in. long - Brass
*47	8148849	2	2	NIPPLE .. Pipe - 1/8 M.P.T. x 3 in. long - Brass
*48	113175	2	2	PLUG .. Pipe - 1/8 M.P.T. - Square head

WINDOW WIPER

JT22CW and JT22CW-2 Locomotives

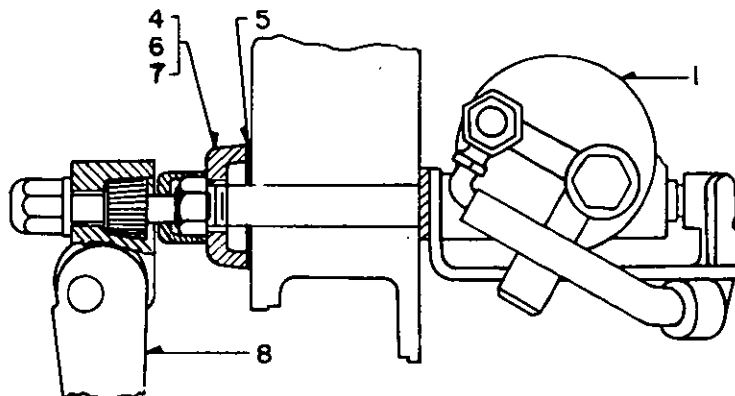


PLATE C2106-E4

Ref. No.	Part Number	No. Req.	Description
MOTOR .. Air - Window Wiper			
1	8335924	4	MOTOR .. Air - Window wiper - 80° sweep - See Pages 12 - 14
* 2	181309	8	BOLT .. Air motor to cab wall - 1/4-28 x 1/2 hex. head
* 3	103319	8	WASHER .. Lock - Air motor to cab wall bolt - 1/4
4	8335943	4	PIVOT .. Outer spacer and guide
5	8310363	4	GASKET .. Pivot to cab wall
6	120222	8	SCREW .. Machine - Pivot to cab wall - 10-24 x 5/8 round head
7	120217	8	WASHER .. Lock - No. 10
ARM AND BLADE .. Window Wiper			
8	8322639	4	ARM ASSEMBLY .. Parallelogram - Window wiper
* 9	8310364	4	NUT .. Clamping
*10	8322145	4	BLADE .. Window wiper
AIR LINE AND FITTINGS			
*11	8310366	4	VALVE .. Pressure regulator - Air motor - See Page 15
*12	8323336	4	HOSE ASSEMBLY .. Air - 15-1/2 in. long
*13	8323337	4	HOSE ASSEMBLY .. Air - 17-3/4 in. long
*14	8116511	-	TUBING .. 1/4 in. O.D. x .042 wall copper - 50 ft. - Approx. 11 ft. 9-3/4 in. required
*15	120521	12	CLIP .. Close - Air line support - 1/4
*16	171599	12	SCREW .. Tapping - Clip mounting
*17	118537	16	NUT .. 1/4 tube
*18	118748	4	CONNECTOR .. 1/4 tube x 1/8 M.P.T.
*19	118800	4	UNION .. 1/4 tube
*20	118753	4	ELBOW .. 1/4 tube x 1/2 M.P.T.
*21	8160443	4	ELBOW .. Flared tube
*22	272131	4	NUT .. 7/16-20 hex.

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WINDOW WIPER

Window Wiper Air Motor, Blades and Air Line
GL18M Locomotive
PLATE C2106-E-5

Ref. No.	Part Number	No. Req.	Description
1	9330031	3	MOTOR .. Air - 29 ⁰ sweep
2	9330330	1	MOTOR .. Air - 50 ⁰ sweep
3	9330030	1	MOTOR .. Air - 70 ⁰ sweep
4	179795	8	BOLT .. Motor mounting - 1/4-20 x 3/4 hex. head
5	179799	2	BOLT .. Motor mounting - 1/4-20 x 1-1/4 hex. head
6	103319	10	WASHER .. Lock - 1/4
7	8128523	3	BEARING ASSEMBLY .. Outer
* 8	8263486	3	BEARING .. Ball
* 9	8333925	12	SEAL .. Felt
10	9330331	1	SHAFT ASSEMBLY .. Auxiliary
*11		1	SHAFT .. Auxiliary
*12	8343249	1	NUT .. Cap - Drilled for set screw
*13	8343251	1	SCREW .. Set - 8-32 x 1/2
*14	8128523	1	BEARING ASSEMBLY .. Outer
*15	8263486	1	BEARING .. Ball
*16	8333925	4	SEAL .. Felt
*17	9421487	1	RING .. Retaining
*18	8085799	1	DRIVER .. Arm - Transmission shaft
*19	9085798	1	NUT .. Acorn
*19A	6926993	3	PLATE .. Mounting - Outer bearing
20	9088065	2	ARM .. Wiper
21	9330032	4	ARM ASSEMBLY .. Pantograph - Cab door and stationary end windows
22	9330029	1	ARM ASSEMBLY .. Linkage - 31-1/2 in. long
23	9088075	2	WASHER .. Plain - 21/64 I.D. x 11/16 O.D.
24	9088076	2	WASHER .. Spring
25	9088077	2	CLIP .. Retainer
26	9088071	4	POST .. Idler - Hex.
27	9088072	4	NUT .. Acorn
28	8410881	4	BLADE .. Wiper - 18 in. long
29	8351298	2	BLADE .. Wiper - 12 in. long
30	9322041	2	HOSE ASSEMBLY .. Air motor to air line at cab door - 16 in. long
31	9316239	6	VALVE .. Air control - 1/8 F.P.T.
32	9337727	6	KNOB .. Valve
33	8098593	A.R.	TUBING .. 1/4 in. O.D. x .028 wall copper - 20 ft.
*34	116452	12	NUT .. 1/4 in. tube
35	8040313	1	CONNECTOR .. 3/8 M.P.T. x 3/8 tube
36	118748	5	CONNECTOR .. 1/8 M.P.T. x 1/4 tube
37	125620	2	CONNECTOR .. 1/4 tube x 1/8 F.P.T.
38	120521	22	CLIP .. Closed - Tubing support - 1/4
39	120523	4	CLIP .. Closed - Hose and tubing support
40	8108202	2	CLAMP ASSEMBLY .. Pipe support - 3/8 tube - 4 in. long
41	9331594	1	NIPPLE .. 1/8 M.P.T. x 1-1/2 in. long
42	9331595	1	NIPPLE .. 1/4 M.P.T. x 4-1/2 in. long
43	8040391	1	TEE .. 1/4 tube x 3/8 tube x 1/4 M.P.T.
44	118805	1	TEE .. 1/4 tube
45	8040347	6	ELBOW .. 1/4 F.P.T. x 1/4 tubing - 90 ⁰
46	118810	2	ELBOW .. Union - 1/4 tube - 90 ⁰
*47	9319901	5	COVER .. Wiper motor - 4 in. wide x 11-1/4 in. long
*48	9088464	1	COVER .. Wiper idler post - 4 in. lg. x 2-1/8 in. high
*49	171716	22	SCREW .. Tapping - 10-24 x 3/8 pan head

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WINDOW WIPER

P.L. No. C2106-E

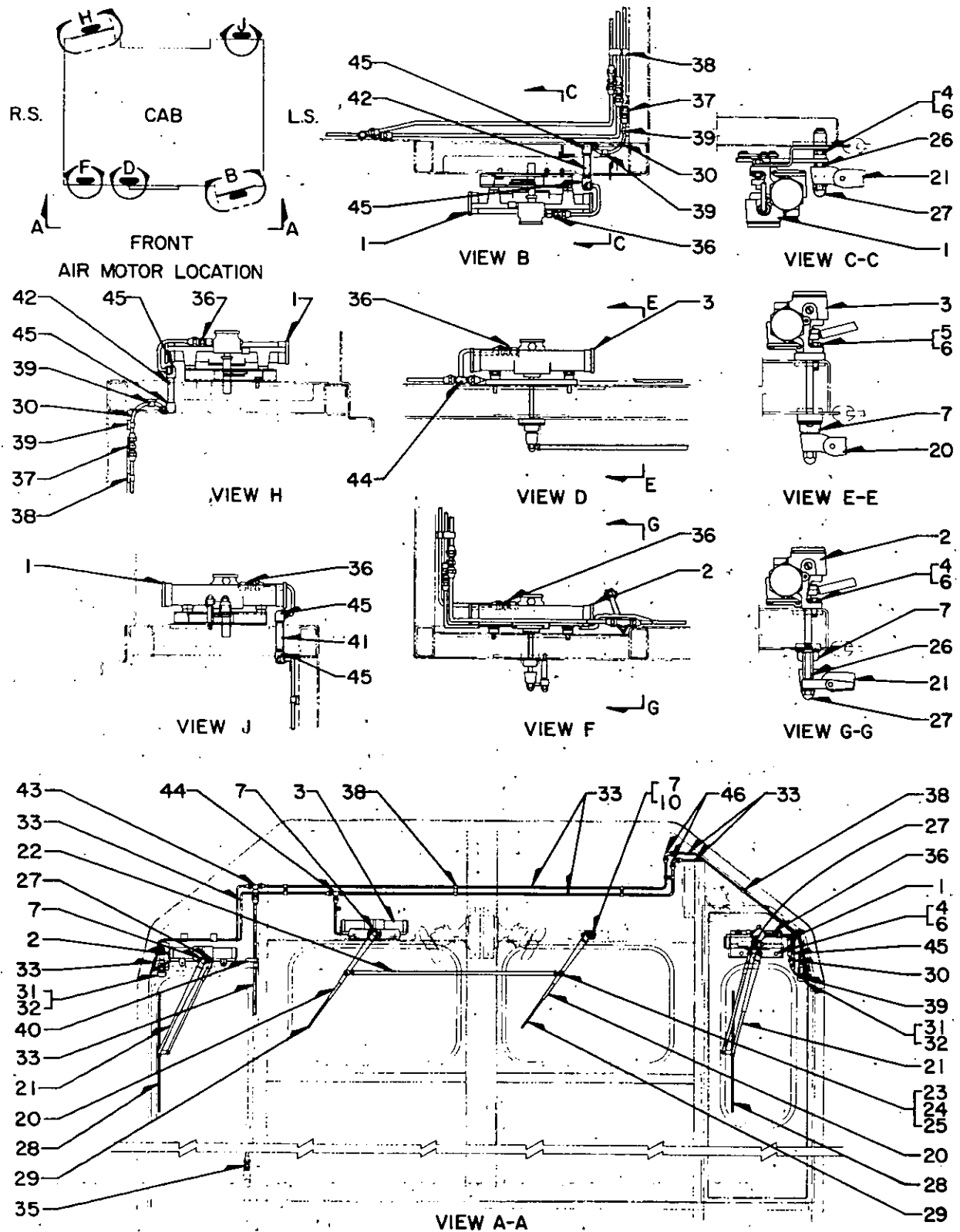


PLATE C2106-E-5

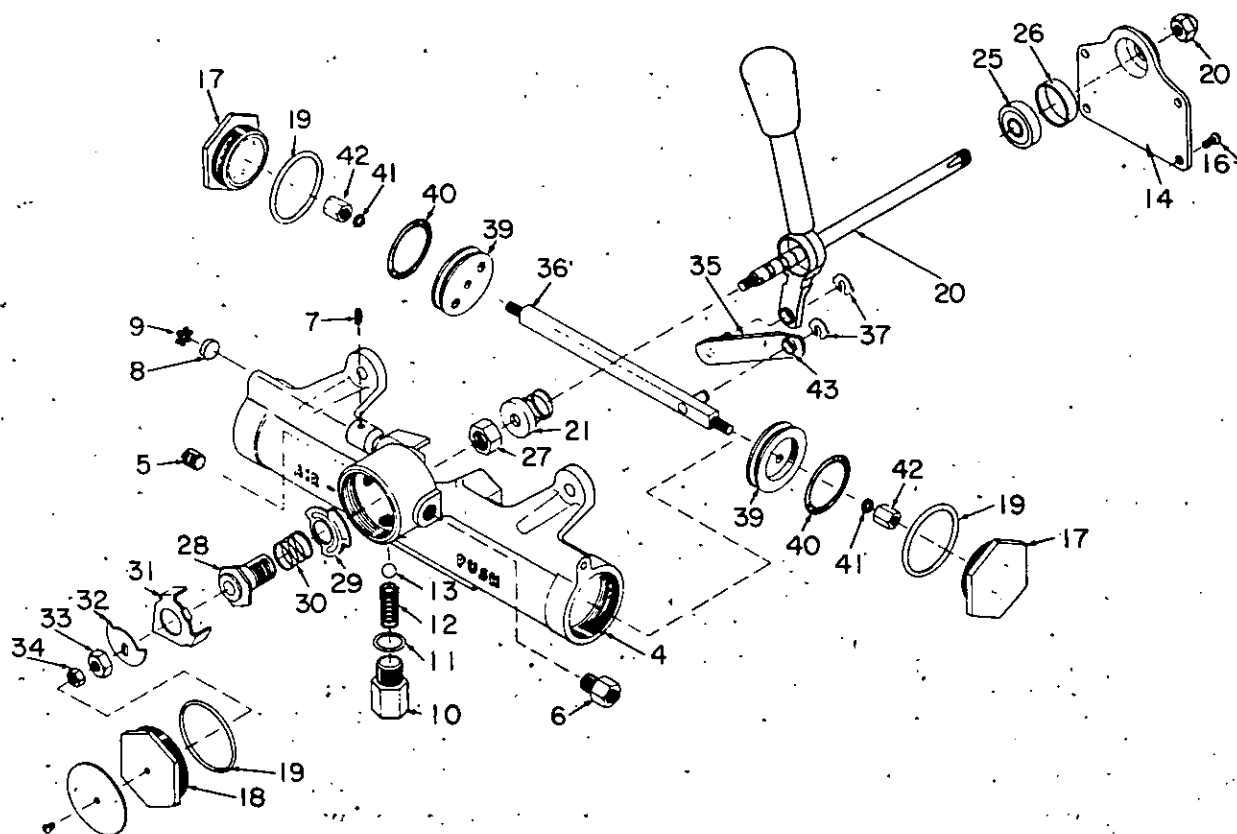
WINDOW WIPER

Air Motor
GL18M Locomotive
PLATE C2106-E-6

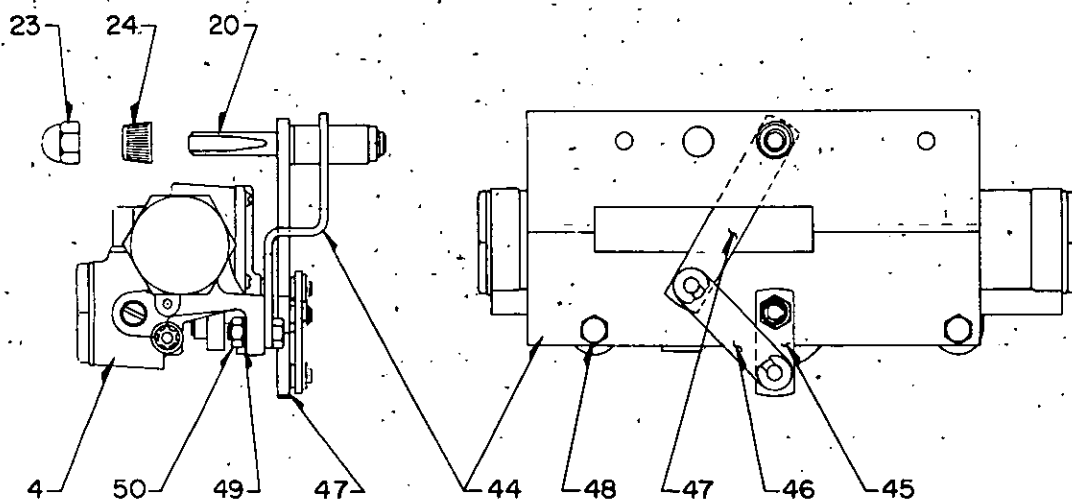
Ref. No.	Part Number	No. Req.	Description
1	9330330	1 - -	MOTOR .. 50° sweep - 4-1/2 in. lg. transmission shaft
* 2	9330030	- 1 -	MOTOR .. 70° sweep - 5-1/2 in. lg. transmission shaft
3	9330031	- - 1	MOTOR .. 29° sweep
4		1 1 1	BODY .. Motor
5	118831	1 1 1	PLUG .. Pipe - 1/8 M.P.T. headless - Slotted
6	8022780	1 1 1	FITTING .. Intake
7	8409208	1 1 1	SCREW .. Set - 10-32 x 1/4 hex.
8	8060255	1 1 1	WASHER .. Felt - Muffler
9	8409209	1 1 1	RING .. Retaining - Muffler felt washer
f 10	8022793	1 1 1	HOUSING .. Reverser ball
f 11	8123934	1 1 1	GASKET .. Reverser ball housing
f 12	8057905	1 1 1	SPRING .. Reverser ball
f 13	104920	1 1 1	BALL .. Reverser - 3/8 in. dia.
14	8022796	1 1 1	PLATE .. Back bearing
15	8263486	1 1 1	BEARING .. Shaft
16	133423	4 4 4	SCREW .. Bearing back plate to motor housing - 6-32 x 3/8 flat head
17	8102471	2 2 2	CAP .. Cylinder end
18		1 1 1	CAP .. Air chamber
f 19	8123935	3 3 3	GASKET .. Cap to body
20	9314838	1 - -	SHAFT .. Transmission
*20	9314839	- 1 -	SHAFT .. Transmission
20		- - 1	SHAFT .. Transmission
f 21	8136956	1 1 -	SEAL .. Rotary
22	9085798	1 1 -	NUT .. Acorn
23	9085797	- - 1	NUT .. Acorn
*24	9085799	1 1 -	DRIVER .. Arm - Transmission shaft
24	9085800	- - 1	DRIVER .. Arm - Transmission shaft
25		1 1 -	BEARING .. Transmission shaft
26		1 1 -	SLEEVE .. Transmission shaft
f 27	8136955	1 1 1	NUT .. Main bearing - Between rotary seal and bearing
f 28	8022795	1 1 1	BEARING .. Main - Screws into body
f 29	8022842	1 1 1	VALVE .. Timer - Between bearing and body
f 30	8022843	1 1 1	SPRING .. Timer valve - Between valve and bearing
f 31	8022844	1 1 1	REVERSER .. Timer - Rotates on main bearing
32	8168507	1 - -	TIMER .. 50 degree
*32	8022845	- 1 -	TIMER .. 70 degree
*32	8060251	- - 1	TIMER .. 90 degree
f 33	8022847	1 1 1	NUT .. Timer locking 10-32 hex.
34	120614	1 1 1	NUT .. Lock - 10-32 hex.
35	8409205	1 1 1	LINK .. Connecting - Includes drive pin and bushing
36		1 1 1	ROD .. Connecting - With drilled hole for drive pin - 10-32 thread both ends
f 37	8409206	2 2 2	RING .. Retaining - Drive pin to connecting link
*38	9310296	1 1 1	KIT .. Piston repair - Replaces 8022791, 8022790, 8022782, 8022781 and 8198306
f 39	9310297	2 2 2	RETAINER .. Piston
f 40	9310298	2 2 2	RING .. "O" - 1.109 in. I.D.
f 41	120217	2 2 2	WASHER .. Lock - No. 10
42	8409202	2 - -	STOP .. Piston - 50° sweep motor
42		- 2 -	STOP .. Piston - 70° sweep motor
*42	9324106	- - 2	STOP .. Piston - 90° motor
43		1 1 1	BEARING .. Flange
44		- - 1	BRACKET ASSEMBLY .. Motor mounting
45		- - 1	BAR ASSEMBLY .. Drive
46		- - 1	LINK ASSEMBLY .. Connecting
47		- - 1	SHAFT ASSEMBLY .. Idler
48	180020	- - 2	BOLT .. Bracket mounting - 1/4-20 x 3/4 hex. head
49	121637	- - 2	WASHER .. Lock - 1/4
50	120375	- - 2	NUT .. 1/4-20 hex.
f 51	8136957	1 1 1	KIT .. Repair - Includes all Ref. Nos. with the preceding symbol (f). - Replaces 9338921

P.L. No. C2106-E

WINDOW WIPER



Ref. No. 1



Ref. No. 3
 PLATE C2106-E-6

WINDOW WIPER

Air Motors
PLATE C2106-E-7

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
* 1	8335924	1	-	-	-	-	MOTOR .. Air - 80° sweep - Right and left front stat. window
* 1	8385217	-	1	-	-	-	MOTOR .. Air - 75° sweep - Right front center window
1	8343468	-	-	1	-	-	MOTOR .. Air - 50° sweep - Right front stationary window
1	8454075	-	-	-	1	-	MOTOR .. Air - 40° sweep - Left rear stationary window
1	8343469	-	-	-	-	1	MOTOR .. Air - 40° sweep - Access door window
2	8316938	1	1	1	1	1	SILENCER .. Exhaust
3	8316920	1	1	1	1	1	HEAD ASSEMBLY .. Valve - Replaces 8316921
4	8316926	1	1	1	1	1	LEVER ASSEMBLY .. Primary - Includes pin
5	8316927	1	1	1	1	1	SPRING
6	8316928	1	1	1	1	1	LEVER ASSEMBLY .. Secondary - Includes pin
7	8316924	1	1	1	1	1	PLUG .. Screw - 7/16-28 thread
8	8316923	1	1	1	1	1	GASKET .. Screw plug - Copper
9	8316922	1	1	1	1	1	STEM ASSEMBLY .. Valve
10	8316925	1	1	1	1	1	SCREEN .. Air
11		1	1	1	1	1	PLATE .. End
12	8316935	2	2	2	2	2	GASKET .. Valve head and end plate
13	9432330	12	12	12	12	12	SCREW .. Machine - 8-32 x 7/16 round head - Includes washer
14	8317104	1	-	1	1	1	NUT .. Cap - 3/8-24 thread
14	8317106	-	1	-	-	-	NUT .. Cap - 5/16-32 thread
15	138542	1	-	1	1	1	WASHER .. Lock - 3/8 - Internal teeth
15	138538	-	1	-	-	-	WASHER .. Lock - 5/16 - Internal teeth
16	8316942	-	1	-	-	-	DRIVER .. Knurled - Gear segment shaft
16	8343072	1	-	1	1	1	DRIVER .. Knurled - Gear segment shaft
18	8316941	-	1	-	-	-	SHIELD .. Rain - Gear segment shaft
18	8343070	1	-	1	1	1	SHIELD .. Rain - Gear segment shaft
19	8316940	-	1	-	-	-	NUT .. Holding - Gear segment
19	8343069	1	-	1	1	1	NUT .. Holding - Gear segment
*20		-	1	-	-	-	WASHER .. Metal - Holding nut
*21		-	1	-	-	-	WASHER .. Leather - Holding nut
22	8343068	1	-	-	-	-	PLATE ASSEMBLY .. Mounting - 10-5/8 in. long - Incl. 2.50 in. long bushing
22		-	1	-	-	-	PLATE ASSEMBLY .. Mounting - 9-5/8 in. long - Incl. 3-1/4 in. long bushing
22		-	-	1	1	-	PLATE ASSEMBLY .. Mounting - 11-1/8 in. long - Incl. 3.62 in. long bushing
22		-	-	-	-	1	PLATE ASSEMBLY .. Mounting - 11-1/8 in. long - Incl. 2-1/2 in. long bushing
23	133689	2	2	2	2	2	SCREW .. Machine - 12-24 x 3/8 flat head
*24	8316939	-	2	2	-	2	WASHER .. Felt - Spacer bet. mtg. plt. & cyl. - .321 I.D. x 3/4 O.D. x .09 in. thick
25		1	1	1	-	1	COVER .. Top - Inspection
26	8316937	1	1	1	-	1	GASKET .. Top inspection cover
27	131958	4	4	4	-	4	SCREW .. Machine - 8-32 x 5/16 fillister head
28	121841	4	4	4	-	4	WASHER .. Lock - No. 8
29		1	1	1	-	1	COVER .. Top
29		-	-	-	1	-	COVER .. Top
30	8316936	1	1	1	1	1	GASKET .. Top cover
31	228329	6	4	4	4	4	SCREW .. Machine - 8-32 x 1/4 round head - Incl. washer

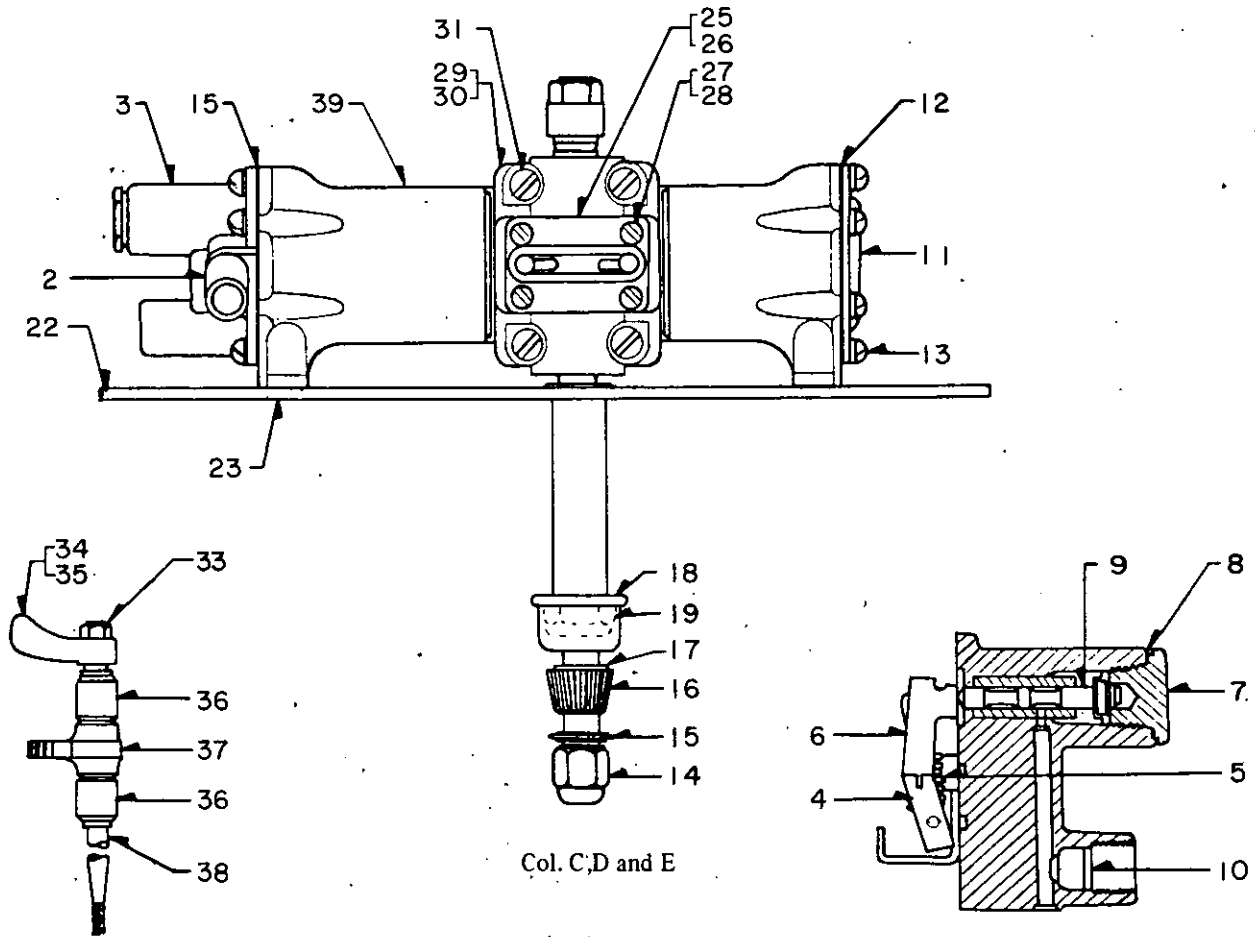
WINDOW WIPER

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
	8335924	1	-	-	-	-	MOTOR .. Air - 80° sweep - R. and L. frt. stat. windows
	8385217	-	1	-	-	-	MOTOR .. Air - 75° sweep - Right front center window
	8343468	-	-	1	-	-	MOTOR .. Air - 50° sweep - Right frt. stationary window
	8454075	-	-	-	1	-	MOTOR .. Air - 40° sweep - Left rear stationary window
	8343469	-	-	-	-	1	MOTOR .. Air - 40° sweep - Access door window
32	- - - -	-	1	-	-	-	SHAFT ASSEMBLY .. Gear segment - 8.23 in. long
32	- - - -	-	-	1	1	-	SHAFT ASSEMBLY .. Gear segment - 8.64 in. long
32	8343067	1	-	-	-	1	SHAFT ASSEMBLY .. Gear segment - 7.52 in. long
33	8343077	1	1	1	1	1	NUT .. Lock - 5/16-24 hex.
34	8343076	1	-	1	1	1	HANDLE ASSEMBLY .. Includes bushing
35	- - - -	-	1	-	-	-	BUSHING .. Knurled
36	8343074	2	2	2	2	2	BEARING .. Shaft
37	8343075	1	1	1	1	1	SEGMENT .. Gear - 8 teeth
38	- - - -	-	1	-	-	-	SHAFT .. Gear segment - 8.23 in. long
38	- - - -	-	-	1	1	-	SHAFT .. Gear segment - 8.64 in. long
38	8343073	1	-	-	-	1	SHAFT .. Gear segment - 7.52 in. long
39	- - - -	-	1	-	-	-	CYLINDER .. Air motor
39	8385565	1	-	1	1	1	CYLINDER .. Air motor
40	8316914	1	-	-	-	-	PISTON ASSEMBLY .. 80° sweep
40	- - - -	-	1	-	-	-	PISTON ASSEMBLY .. 75° sweep
40	8317044	-	-	1	-	-	PISTON ASSEMBLY .. 50° sweep
40	8343103	-	-	-	1	1	PISTON ASSEMBLY .. 40° sweep
41	8316916	2	2	2	2	2	WASHER .. Felt - 13/16 I.D. x 1-9/16 O.D. x 1/8 in. thick
42	8316917	2	2	2	2	2	RETAINER .. Felt seal
43	120221	2	2	2	2	2	SCREW .. Machine - 10-24 x 1/2 round head
44	131183	2	2	2	2	2	WASHER .. Lock - No. 10
45	8316915	2	2	2	2	2	PACKING .. Piston
46	8316918	1	1	1	1	1	HEAD .. Piston
*47	8316919	1	-	-	-	-	UNIT ASSEMBLY .. Valve stop - Incl. head, collar, spring, bushing and actuating rod
47	- - - -	-	1	-	-	-	UNIT ASSEMBLY .. Valve stop - Incl. head, collar, spring, bushing and actuating rod
47	8317045	-	-	1	-	-	UNIT ASSEMBLY .. Valve stop - Incl. head, collar, spring, bushing and actuating rod
47	8343110	-	-	-	1	1	UNIT ASSEMBLY .. Valve stop - Incl. head, collar, spring, bushing and actuating rod
*48	9418611	1	-	-	-	-	SCREW .. Set - 10-24 x 3/4 hex. socket - Oval point
*48	9418612	-	2	2	2	2	SCREW .. Set - 10-24 x 7/8 hex. socket - Oval point
*49	120361	2	2	2	2	2	NUT .. 10-24 hex.
*50	8316939	2	2	2	2	2	WASHER .. Felt - .32 I.D. x 3/4 O.D. x .09 in. thick

AIR MOTOR REPAIR KIT (Applies To Air Motors Ref. No. 1, Col. A thru E on Page 7)

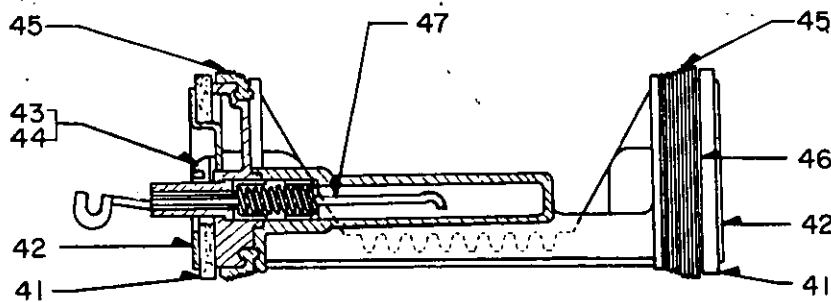
Ref. No.	Part Number	No. Req.	Description
*51	8334836	1	KIT .. Air motor repair
*52	8316915	1	PACKING .. Piston
*53	8316916	2	WASHER .. Felt - 13/16 I.D. x 1-9/16 O.D. x 1/8 in. thick
*54	8316922	1	STEM ASSEMBLY .. Valve
*55	8316923	1	GASKET .. Screw plug - Copper
56	8316925	1	SCREEN .. Air
*57	8316935	2	GASKET... Valve head and end plate
*58	8316936	1	GASKET .. Top cover
*59	8316937	1	GASKET .. Top inspection cover
*60	8316939	2	WASHER .. Felt - .32 I.D. x 3/4 O.D. x .09 in. thick

WINDOW WIPER



Ref. No. 32

Ref. No. 6



Ref. No. 40

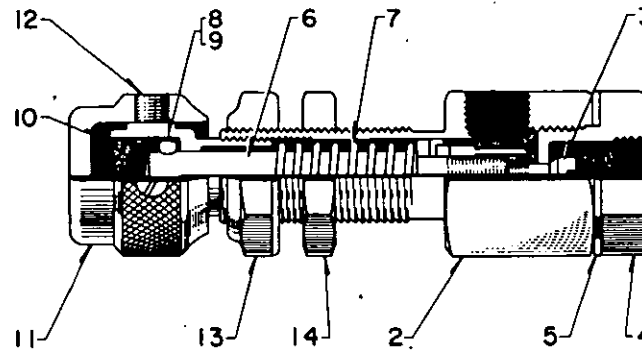
Air Motors

PLATE C2106-E-7

WINDOW WIPER

Pressure Regulating Valve

GA18,G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW,JT22CW-2,G26CU,G26CW,GT26CU-2,
GT26CW and GT26CW-2 Locomotives



Ref. No. 1

PLATE C2106-E-8

Ref. No.	Part Number	No. Req.	Description
1	8310366	1	VALVE .. Pressure regulating - 1/8 F.P.T.
2	8317123	1	BODY ASSEMBLY .. Valve
3	8317131	1	VALVE .. Air inlet
4	8317130	1	SEAT .. Air inlet valve
5	8317129	1	WASHER .. Valve seat
6	8317126	1	STEM ASSEMBLY .. Valve - Includes washers and stop nut
7	8317125	1	SPRING .. Valve
8	8317127	1	PIN .. Valve stem
9	8317128	1	WASHER .. Valve stem pin
10	8317124	1	KNOB .. Adjustment
11	8317134	1	KNOB .. Adjustable stop
12	8317135	2	SCREW .. Set - 8-40 x .171 - Slotted
13	8317133	1	NUT .. Control body - 5/8-18 hex.
14	8317132	1	NUT .. 5/8-18 hex.

Parts List No. B2133-E

SPEED RECORDER

0-120 KPH and 0-75 MPH Speed Recorders
G18U,G22W,G22CU and GL22C Locomotives

PLATES A2133-E-1 and A2133-E-2

Ref. No.	Part Number	Number Required	Description
1	8267992	A - - -	RECORDER ASY. .. Speed - 0-120 KPH - Oil lubricated - G18U
2	8367274	- B - -	RECORDER ASY. .. Speed - 0-120 KPH - Grease lubricated - GL22C
3	8391284	- - C -	RECORDER ASY. .. Speed - 0-120 KPH - Oil lubricated - G22W
3A	8094896	- - - D	RECORDER ASY. .. Speed - 0-75 MPH - Oil lubricated - G22CU
4	8082899	2 - - 1	SWITCH .. Micro
5	100741	4 - - 2	SCREW .. Switch mounting - 6-32 x 7/8 round head
6	222381	1 - - -	SCREW .. Switch adjusting - 10-32 x 3/4 hex. socket head
7	103088	1 - - -	NUT .. Lock - Switch adjusting screw - 10-32 hex.
8	8116366	1 - - -	LEVER ASSEMBLY .. Micro switch
9	140853	1 - - -	SCREW .. Set - Lever pin - 8-32 x 3/16 hex. socket head
10	8116374	1 - - -	PIN .. Lever
11	8116373	1 - - -	BRACKET .. Micro switch
11	8116375	- - - 1	BRACKET .. Micro switch
12	132096	1 - - 1	SCREW .. Switch to bracket - 10-32 x 1/4 fil. head
13	8270346	1 1 1 -	ROLL ASSEMBLY .. Registration
13	8152543	- - - 1	ROLL ASSEMBLY .. Registration
14	8082072	12 12 12 12	SPUR .. Registration roll
15	8160378	1 1 1 -	GEAR .. Driving
15	8152542	- - - 1	GEAR .. Driving
16	8082077	1 1 1 1	PIN .. Driving gear
17	8082073	1 1 1 1	SCREW .. Registration roll - 10-32 x 3/8 fil. head
18	8152540	1 1 1 1	INDICATOR .. Speed recorder
19	224934	1 1 1 1	SCREW .. Indicator mounting - 5-40 x 1/4 fil. head
20	8160379	1 1 1 -	GEAR .. Indicator - Driven
20	8152539	- - - 1	GEAR .. Indicator - Driven
21	147460	1 1 1 1	SCREW .. Set - Driven gear - 6-32 x 1/8 hex. socket head
*22	8152541	1 1 1 1	PIN .. Driven gear
23	8160377	1 1 1 -	GEAR .. Indicator - Idler
23	8158446	- - - 1	GEAR .. Indicator - Idler
*24	8152537	1 1 1 1	STUD .. Idler gear
25	8201063	1 1 1 -	CHART .. Speed recorder - 1600 Km. - Includes stylus
25	8082426	- - - 1	CHART .. Speed recorder - 1000 miles - Includes stylus
26	8062169	1 1 1 1	CORE .. Chart
27	8263021	1 1 1 1	KIT .. Stylus - Consists of 10 styli and one installation tool
28	8152545	1 1 1 1	COVER .. Speed recorder case
29	8082097	1 1 1 1	PLATE .. Cover latch
30	155092	2 2 2 2	SCREW .. Latch plate - 10-24 x 1/4 round head
31	8174979	1 1 1 1	PIN .. Hinge - Cover
32	8116443	1 - 1 1	CUP .. Oil - Gear case
*33	444687	- 1 - -	PLUG .. Pipe - Gear case
34	8082173	1 - 1 1	GAUGE .. Gear case oil
*35	9412339	- 1 - -	PIN .. Groove - Gear case

The following components are applicable to Ref. Nos. 1 thru 3A, Columns A thru D.

36	8082013	1	LOCK ASSEMBLY .. Cover - Includes 2 keys and stop pin
37	8082407	1	PIN .. Stop - Cover lock
*38	8082108	1	KEY .. Cover lock
39	8081994	1	SPRING .. Cover lock bolt
40	8082098	1	BOLT .. Cover lock
41	8152546	1	HOUSING .. Front plate and light
42	8152548	6	SCREW .. Front plate and bezel - 10-24 x 3/4 oval head
43	110549	2	SCREW .. Front plate - 10-24 x 1-1/8 oval head
44	8152547	1	BEZEL .. Glass
45	8129439	1	GLASS .. Bezel
46	8082106	3	GASKET .. Bezel
47	8152550	1	WASHER .. Bezel

P.L. No. B2133-E

SPEED RECORDER

Ref. No.	Part Number	No. Req.	Description
	A-D		RECORDER ASSEMBLY .. Speed
48	8156987	1	COVER .. Front plate and light housing
49	8156988	1	GASKET .. Cover
50	155092	4	SCREW .. Cover - 10-24 x 1-1/4 round head cross recess
*51	8152544	1	BASE ASSEMBLY .. Lamp plate
52	8004457	1	LAMP .. 30 Watt - 64 Volts - Bayonet base
53	8059574	1	RHEOSTAT .. Light dimmer - 100 Ohm
*54	8174980	1	PLATE .. Light baffle
*55	8152548	4	SCREW .. Baffle plate - 10-24 x 3/4 oval head
56	8174983	1	WINDOW .. Light housing (Clear)
57	8257705	1	GASKET .. Window
58	110532	2	SCREW .. Window retainer - 10-24 x 5/8 flat head
59	8082015	1	CASE .. Speed recorder
60	8082511	1	LATCH .. Cover
61	155092	2	SCREW .. Cover latch - 10-24 x 1/4 round head cross recess
62	8186960	3	STUD .. Speed recorder mounting
63	102637	3	NUT .. Stud - 1/2-13 hex.
64	103323	3	WASHER .. Lock - 1/2
65	8116439	1	CUP ASSEMBLY .. Oil filler
66	8082151	1	CAP .. Filler body
67	8082157	2	GLASS .. Filler elbow
68	8082158	4	GASKET .. Glass - Filler elbow
69	8082159	2	RING .. Gasket retaining
70	8082160	2	NUT .. Retaining - Elbow glass
71	8186961	1	PLUG .. Oil drain
72	8184182	1	GASKET .. Drain plug
73	8219316	2	PLUG .. Adjusting screw bushing
74	8217286	2	GASKET .. Bushing plug
75	8082033	2	SCREW .. Valve adjusting
76	8082209	2	BUSHING .. Valve adjusting screw
77	8174977	1	POST ASSEMBLY .. Receiving
78	8160332	3	WIRE .. Friction
79	8174975	1	POST ASSEMBLY .. Supply
80	8160332	1	WIRE .. Friction
*81	8202438	1	HOLDER .. Stylus
*82	222375	1	SCREW .. Stylus holder - 10-32 x 5/16 hex. socket
83	8082091	1	SPRING .. Stylus holder
*84	8263021	1	KIT .. Stylus - Consist of 10 nylon styli and one installation tool
85	8082081	1	PLATE .. Lower roll
*86	8081991	4	SCREW .. Lower roll plate
87	8184181	1	LID .. Gear case
88	155118	1	SCREW .. Case lid - 10-24 x 5/8 round head cross recess
89	8091683	2	SCREW .. Case lid - Special - Lid dowel and screw
90	8082048	1	COVER .. Gear case
91	8082049	1	GASKET .. Gear box cover
92	156760	5	SCREW .. Gear box cover - 8-32 x 3/8 round head cross recess
93	8082050	1	BUSHING .. Pencil holder post
94	8082408	1	SHAFT .. Vertical
95	8082055	1	GEAR .. Worm - Vertical shaft
96	9413369	1	PIN .. Worm gear
97	8082054	1	BUSHING .. Vertical shaft
*98	8082011	1	SEAL .. Vertical shaft
99	8082410	1	GEAR .. Vertical shaft
100	8082409	1	PIN .. Vertical shaft gear

SPEED RECORDER

Ref. No.	Part Number	No. Req.	Description
		A-D	RECORDER ASSEMBLY .. Speed
*101	8082210	1	SHAFT ASSEMBLY .. Horizontal
102	8082057	1	SHAFT .. Horizontal
103	8082012	2	WORM .. Horizontal shaft
104	9413369	2	PIN .. Shaft worm - 5/64 x 3/8
105	8082058	1	GEAR .. Horizontal shaft - 40 teeth
106	455735	1	PIN .. Shaft gear - 5/32 x 5/8
107	8082060	1	BUSHING .. Horizontal shaft - Stationary
108	8082061	1	BUSHING .. Horizontal shaft - Adjustable
109	8082127	1	SCREW .. Adjustable bushing
110	8082075	1	SHAFT .. Registration roll
111	8082076	1	GEAR .. Worm - Registration roll shaft - 30 teeth
112	8082074	1	PIN .. Registration roll shaft
113	8082046	1	BUSHING .. Shaft - Upper
114	455735	1	PIN .. Shaft - 3/32 x 5/8
*115	8082068	1	GEAR .. Worm - Receiving post
*116	8082107	1	PIN .. Receiving post gear
*117	8082067	1	PACKING .. Leather
*118	8082069	1	BUSHING .. Receiving post - Upper
119	8082070	2	BUSHING .. Registration roll shaft and receiving post - Lower
120	8082232	1	SHAFT ASSEMBLY .. Index finger
121	8082113	1	SHAFT .. Index finger
122	8082092	1	GEAR .. Index finger shaft - 40 teeth
123	8082093	1	BEARING .. Index finger shaft - Rear
124	8082094	1	BEARING .. Index finger shaft - Front
125	159908	2	SCREW .. Front bearing mounting - 10-24 x 3/8 pan head cross recess
126	8082169	3	SCREW .. Dial mounting
127	110406	2	DOWEL .. Front bearing
128	8082211	1	FORK ASSEMBLY .. Stylus holder
129	8082089	1	WHEEL .. Stylus holder fork
130	8174982	1	ARM ASSEMBLY .. Piston rod
131	115728	1	NUT .. Lock - Piston rod
132	8082029	1	WEIGHT .. Piston
*133	8210630	1	COVER .. Cylinder bushing
*134	8210616	1	"O" RING .. Cylinder bushing cover
135	8082412	1	BUSHING ASSEMBLY .. Cylinder
*136	8082031	1	VALVE .. Cylinder bushing
*137	8082032	2	SPRING .. Valve
138	8082208	1	PISTON ASSEMBLY .. Speed recorder
139	153137	3	SCREW .. Cylinder bushing cover - 8-32 x 1/2 fil. head cross recess
*140	8082419	1	GEAR ASSEMBLY .. Timing
141	8082418	1	GEAR .. Timing - Includes shaft
142	8082417	1	BUSHING .. Timing gear
143	8082025	1	RETAINER .. Timing gear
144	8082024	1	SPRING .. Retainer
145	8082026	1	PIN .. Retainer to shaft
146	8082151	2	CAP .. Timing gear
147	8082152	2	GASKET .. Timing gear cap
148	8082416	2	SCREW .. Timing gear bearing
149	8196964	1	SHAFT .. Intermediate
150	8082021	2	GEAR .. Intermediate - 21 teeth
151	103691	2	PIN .. Intermediate gear to shaft - 1/8 x 5/8
152	8174978	2	BEARING .. Intermediate shaft
*153	8205574	1	SPACER .. Gear
*154	8258347	1	SHIELD .. Upper bearing

P.L. No. B2133-E

SPEED RECORDER

Ref. No.	Part Number	No. Req.	Description
	A-D		RECORDER ASSEMBLY .. Speed
*155	6920672	1	PUMP ASSEMBLY .. Speed recorder
156	8135230	1	BUSHING .. Rotor shaft
157	908502	1	BEARING .. Ball - Pump rotor - Lower
158	8082144	1	SPACER .. Bearing
159	8082147	1	SEAL .. Oil - Rotor shaft
160	8082421	1	GEAR .. Rotor shaft
161	103691	1	PIN .. Gear to shaft
162	8091685	1	WASHER .. Rotor shaft
163	8082016	1	HEAD ASSEMBLY .. Pump
*164	455160	1	PIN .. Pump head
165	8082018	1	GEAR .. Pump idler
166	8082139	2	SCREW .. Pump head
167		1	BEARING .. Ball - Pump rotor - Upper
168	8082146	1	RING .. Snap - Retainer
169	8088672	1	GASKET .. Pump head - .001
170	8082104	2	GASKET .. Pump head - .005
171	8082673	1	GASKET .. Pump head - .003
172	8082140	4	SCREW .. Pump housing
173	179803	4	BOLT .. Pump cover - 1/4-20 x 1-3/4 hex. head
174	8082153	4	GASKET .. Pump cover bolt
175	8217285	1	GASKET .. Pump cover - Large
176	8217287	1	GASKET .. Pump cover - Small
*177	8082241	1	FRAME ASSEMBLY .. Reversing - Includes bottom plate
178	8082148	1	GEAR .. Intermediate idler - 21 teeth
179	8126173	1	RING .. Snap - Upper terminal shaft
*180	8082233	1	PLATE ASSEMBLY .. Bottom
181	8082044	1	SHAFT .. Internal idler gear
182	8082114	1	PLATE .. Bottom
183	8082115	2	PIN .. Stop - Reversing frame
184	8082131	2	BEARING .. Ball - Bottom plate
185	8082011	1	SEAL .. Oil - Bottom plate
186	117868	2	DOWEL .. Bottom plate - 3/16 x 9/16
*187	8082234	1	FRAME ASSEMBLY .. Reversing - Includes terminal shaft
188	8082116	1	SHAFT .. Upper terminal
189	8082117	1	GEAR .. Upper terminal shaft
190	8081987	1	PIN .. Roll - Gear to shaft - 1/8 x 5/8
191	8082041	1	WASHER .. Gear to frame
192	8082118	1	COLLAR .. Gear
193	8205573	1	SPRING .. Reversing frame shaft
194	8082040	1	WASHER .. Reversing frame spring
195	8082038	1	COLLAR .. Reversing frame spring
196	455798	1	PIN .. Collar to shaft
197	8082010	2	GEAR .. Reversing frame idler - 21 teeth
198	110736	2	PIN .. Idler gear - .250 x .625
*199	8232691	1	FRAME .. Reversing
200	8082105	1	GASKET .. Bottom plate
201	179816	4	BOLT .. Bottom plate - 5/16-18 x 3/4 hex. head
202	115548	4	WASHER .. Lock - 5/16
*203	- - - -	A.R.	OIL .. Circulating
			8082433 .. 1 pint
			8082434 .. 1 quart
			8082435 .. 1/2 gallon
			8082436 .. 1 gallon

SPEED RECORDER

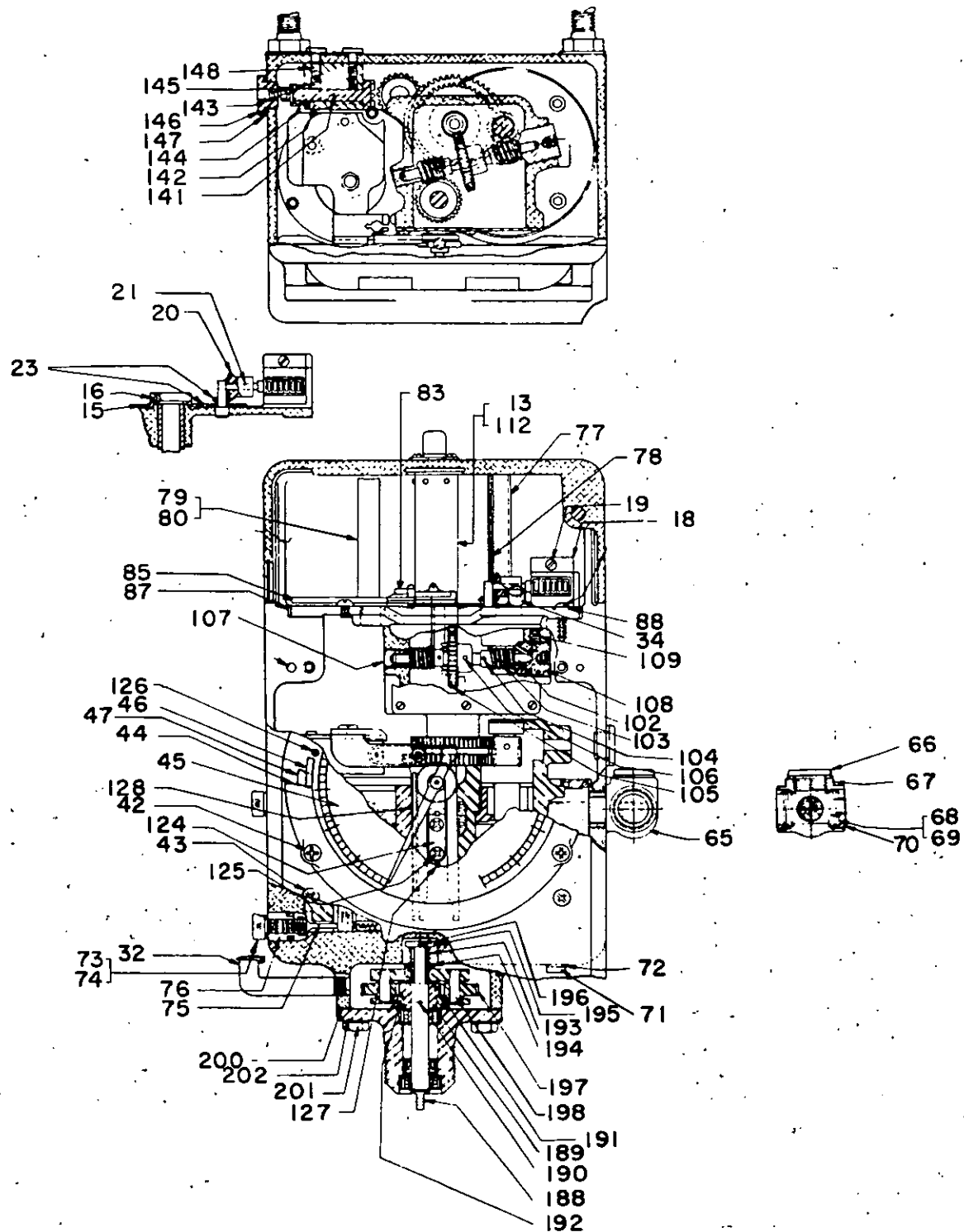
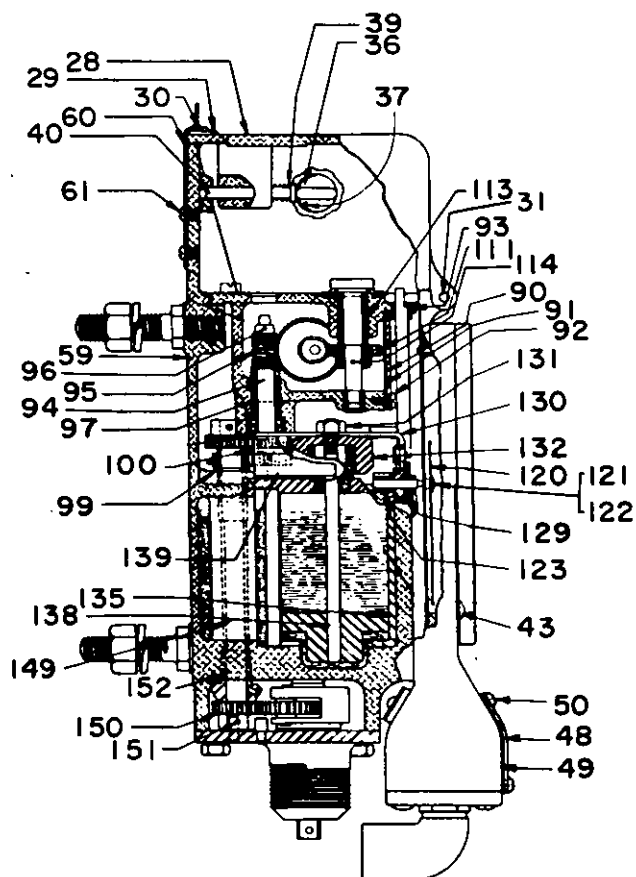
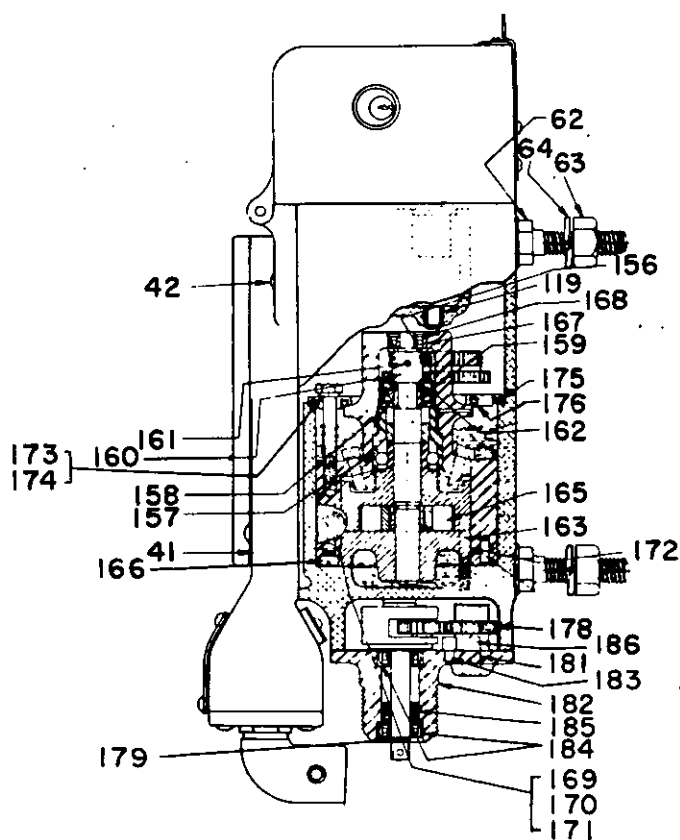
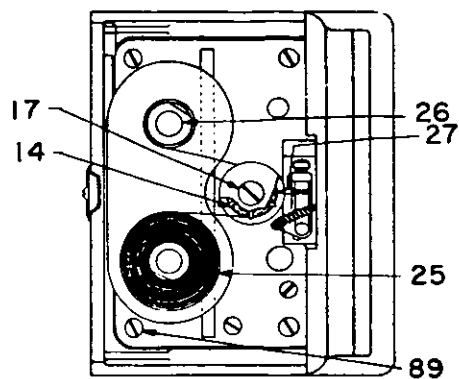


PLATE A2133-E-1

SPEED RECORDER



B2133-E

SPEED RECORDER

Speed Recorder Head

G18U,G22W,G22CU,GL22C and G26CW Locomotives

PLATE A2133-E-3

Ref. No.	Part Number	Number Required			Description
1	8242324	A	-	-	HEAD ASSEMBLY .. Speed recorder - G18U,G22W,G22CU
* 2	8384258	-	B	-	HEAD ASSEMBLY .. Speed recorder - GL22C
* 3	8419826	-	-	C	HEAD ASSEMBLY .. Speed recorder - G26CW
4	8082183	1	1	-	HOUSING .. Gear
5	8239957	-	-	1	HOUSING .. Gear
6	8250175	1	-	-	BASE .. Gear housing
7	8082184	-	1	1	BASE .. Gear housing
8	8082185	1	1	1	GASKET .. Gear housing to base
9	8082186	4	4	4	BOLT .. Gear housing to base
10	115549	4	4	4	WASHER .. Lock - Internal teeth
11	8082165	1	1	1	DOWEL .. Gear housing to base
12	8081999	1	1	1	PLUG .. Pipe - Gear housing
*13	191135	-	1	-	FITTING .. Grease - 1/8 F.P.T.
14	8082195	1	1	1	CAP .. Rear - Terminal shaft housing
15	8082124	1	1	1	CAP .. Front - Terminal shaft housing
16	8082196	2	2	2	GASKET .. Terminal shaft housing
17	179795	16	16	16	BOLT .. Cap to housing - 1/4-20 x 3/4 hex. head
18	115547	16	16	16	WASHER .. Lock - 1/4 internal teeth
19	8082192	1	1	1	SHAFT .. Terminal
20	903302	1	1	1	BEARING .. Terminal shaft - Front
21	903202	1	1	1	BEARING .. Terminal shaft - Rear
22	8082194	1	1	1	SPACER .. Terminal shaft - Long
22	8082193	1	1	1	SPACER .. Terminal shaft - Short
23	8082191	1	1	1	GEAR .. Worm - Terminal shaft
24	106749	1	1	1	KEY .. Worm gear
25	8081979	1	1	1	NUT .. Terminal shaft
26	103385	1	1	1	PIN .. Cotter - 1/8 x 1
27	8082187	1	1	1	SHAFT .. Gear
28	8082205	1	-	-	GEAR .. 63 teeth
29	8082200	-	1	-	GEAR .. 70 teeth
30	-	-	-	1	GEAR .. 73 teeth
31	8082197	3	3	3	SCREW .. Gear to shaft
32	115547	3	3	3	WASHER .. Lock - 1/4 internal teeth
33	8116738	As Required			WIRE .. Lock - 3/64 dia. x 500 ft.
34	8082188	1	1	1	RETAINER .. Front gear shaft bearing
35	8082189	3	3	3	SCREW .. Retainer to housing
36	115547	3	3	3	WASHER .. Lock - 1/4 internal tooth
37	903302	1	1	1	BEARING .. Gear shaft - Front
38	8082190	2	2	2	SPACER .. Gear and bearing
39	8082191	1	1	1	GEAR .. Worm
40	106749	1	1	1	KEY .. Worm gear
41	903201	1	1	1	BEARING .. Gear shaft - Rear
42	8081988	1	1	1	NUT .. Gear shaft
43	103385	1	1	1	PIN .. Cotter - 1/8 x 1
44	8082174	1	-	-	SHAFT .. Pinion
*45	-	-	1	-	SHAFT .. Pinion
*46	-	-	-	1	SHAFT .. Pinion
47	8082203	1	-	-	PINION .. 49 teeth
*48	8082199	-	1	-	PINION .. 50 teeth
*49	-	-	-	1	PINION .. 47 teeth
50	8082197	3	3	3	SCREW .. Pinion to shaft
51	115547	3	3	3	WASHER .. Lock - 1/4 internal teeth
52	903204	1	1	1	BEARING .. Pinion shaft - Rear (Pinion end)
53	8082177	1	1	1	SPACER .. Pinion shaft bearing
54	8082178	1	1	1	SEAL .. Oil - Pinion shaft
55	9417359	1	1	1	BEARING .. Pinion shaft - Front
56	8082176	1	1	1	RING .. Bearing retainer
57	119257	1	-	-	NUT .. Pinion shaft - 3/8-16 hex. - Slotted
58	103398	1	-	-	PIN .. Cotter - 5/32 x 1-1/2

P.L. No. B2133-E

SPEED RECORDER

Ref. No.	Part Number	Number Required			Description
		A	B	C	
					HEAD ASSEMBLY .. Speed recorder
59	8082181	1	-	-	LINK .. End - Pinion flexible shaft
60	8082180	2	-	-	RIVET .. End link
61	8250176	1	-	-	HOUSING .. Pinion flexible shaft
+*62	8295460	-	-	1	ADAPTER .. Speed recorder head
+*63	8346149	-	1	-	ADAPTER .. Speed recorder head

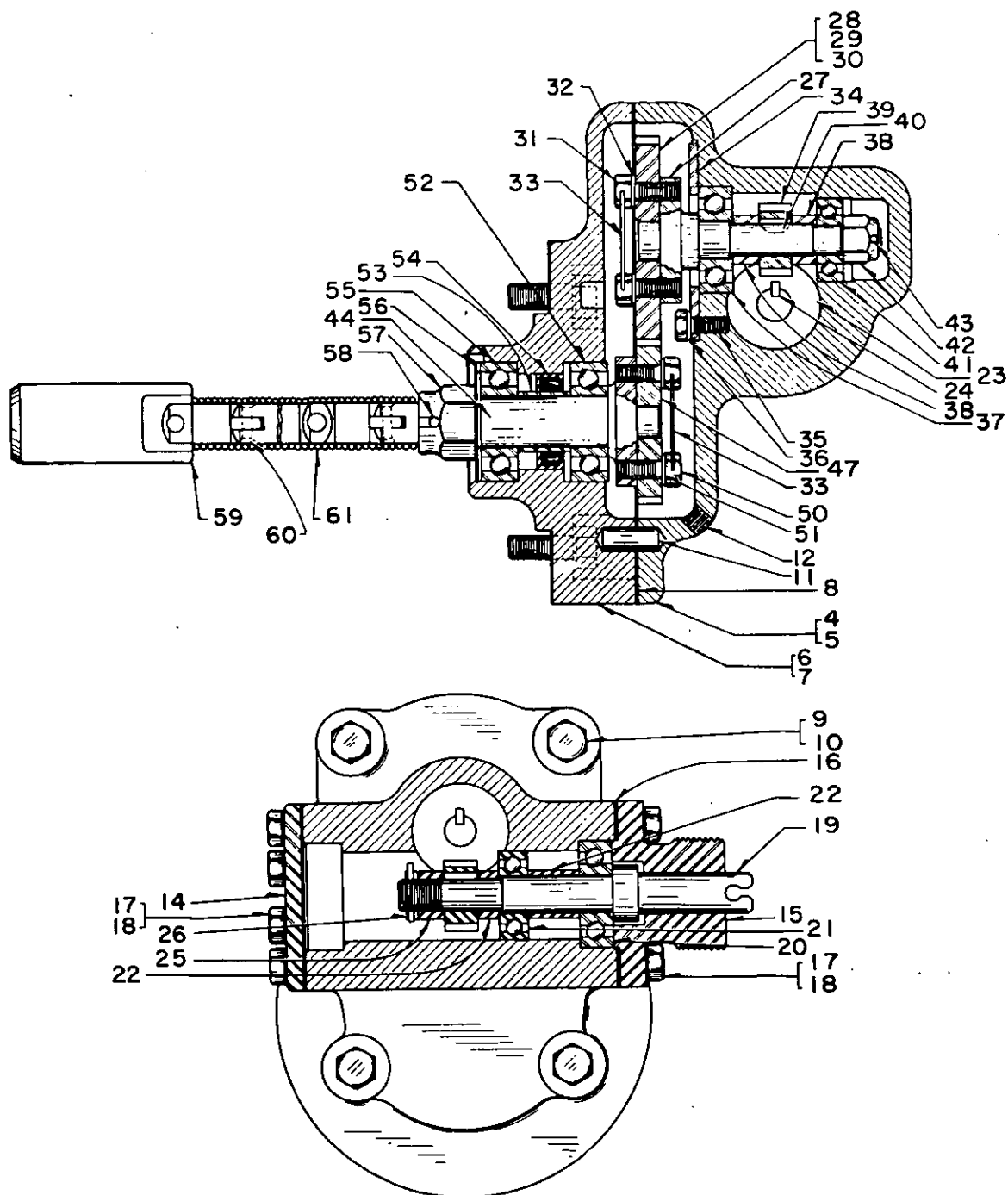


PLATE A2133-E-3

P.L. No. B2133-E

SPEED RECORDER

Flexible Shaft, Hose and Conduit
G18U,G22W,G22CU,GL22C and G26CW Locomotives

PLATE A2133-E-4

Ref. No.	Part Number	No. Req.	Description
1	8092252	1	SHAFT ASSEMBLY .. Flexible drive - 12 ft. - G26CW - Replaced by 8238122
2	8170876	1	SHAFT ASSEMBLY .. Flexible drive - 13 ft. - 6 in. - G22W
3	8238122	1	SHAFT ASSEMBLY .. Flexible drive - 12 ft. - 6 in. - G22CU,GL22C - Replaces 8092252
4	8406498	1	SHAFT ASSEMBLY .. Flexible drive - 19 ft. - 6 in. - G18U

The following components, Ref. Nos. 5 thru 11 are applicable to Ref. Nos. 1, 2, 3 and 4.

5	8081322	1	TERMINAL .. Lower - Head end
6	8082831	13	LINK .. Shaft - 7/16 dia.
7	8082832	14	RIVET .. Link
8	8116484	1	LINK .. Cable - Drive end - 7/16 dia.
9	8116485	1	LINK .. Cable - Recorder end - 7/16 dia.
10	8062168	1	RIVET .. Link - Recorder end
11	8081327	1	SCREW .. Connecting link to recorder
12	8057043	1	HOSE ASSEMBLY .. Flexible - 54-1/2 in. - G18U,G22W,G22CU,GL22C,G26CW
13	8082003	1	CONNECTION .. End
14	8082120	1	SLEEVE .. Lower connection
15	8082126	1	NUT .. Sleeve - Speed recorder head
16	8082002	1	NUT .. Lock - Sleeve
17	8082121	1	LINER .. Flexible hose
18	8081350	1	HOSE .. Flexible
19	8081998	2	CLAMP .. Hose
20	8201027	1	RING .. Sealing - Lower connection sleeve
21	8355054	1	CONNECTION .. Upper conduit - GL22C
22	8082006	1	NUT .. Union sleeve
23	8082005	1	SLEEVE .. Upper connection
24	8082009	1	NUT .. Lock - Sleeve to tee
25	8082004	1	TEE .. Upper connection
26	8189407	1	FITTING .. Pressure relief
27	119933	1	BUSHING .. Reducing - 3/8 M.P.T. x 1/8 F.P.T.
*28	8208178	1	CONNECTION .. Upper conduit - G18U,G22W,G22CU,G26CW
*29	8208179	1	RESERVOIR .. Oil
30	8082006	1	NUT .. Union sleeve
31	8082005	1	SLEEVE .. Upper connection
32	8082009	1	NUT .. Lock - Sleeve
*33	103879	1	PLUG .. Pipe - 3/8 M.P.T.

The following components, Ref. Nos. 34 thru 39 are applicable to G18U,G22W,G22CU,GL22C and G26CW.

34	8122055	A.R.	CONDUIT .. Rigid steel - 1/2 I.P.S. - 10 ft.	
*35	8249829	2	FLANGE .. Conduit	
*36	8249833	1	GASKET .. Conduit flange	
*37	8126880	A.R.	CABLE .. 2 conductor - 25 ft. - 15 ft. required	
*38	8168447	3	CLAMP .. Insulated - Cable	
*39	8250906	2	TERMINAL .. Faston	
*40	8108196	2	CLAMP .. Conduit - 1 x 4-5/8	} G18U,G22CW,GL22C and G26CW
*41	8081626	1	CLAMP .. Conduit - "U" type	
*42	8108197	2	CLAMP .. Conduit - 1 x 6-5/8	} G22CU
*43	8108115	1	CLAMP .. Conduit - "C"	

P.L. No. B2133-E

SPEED RECORDER

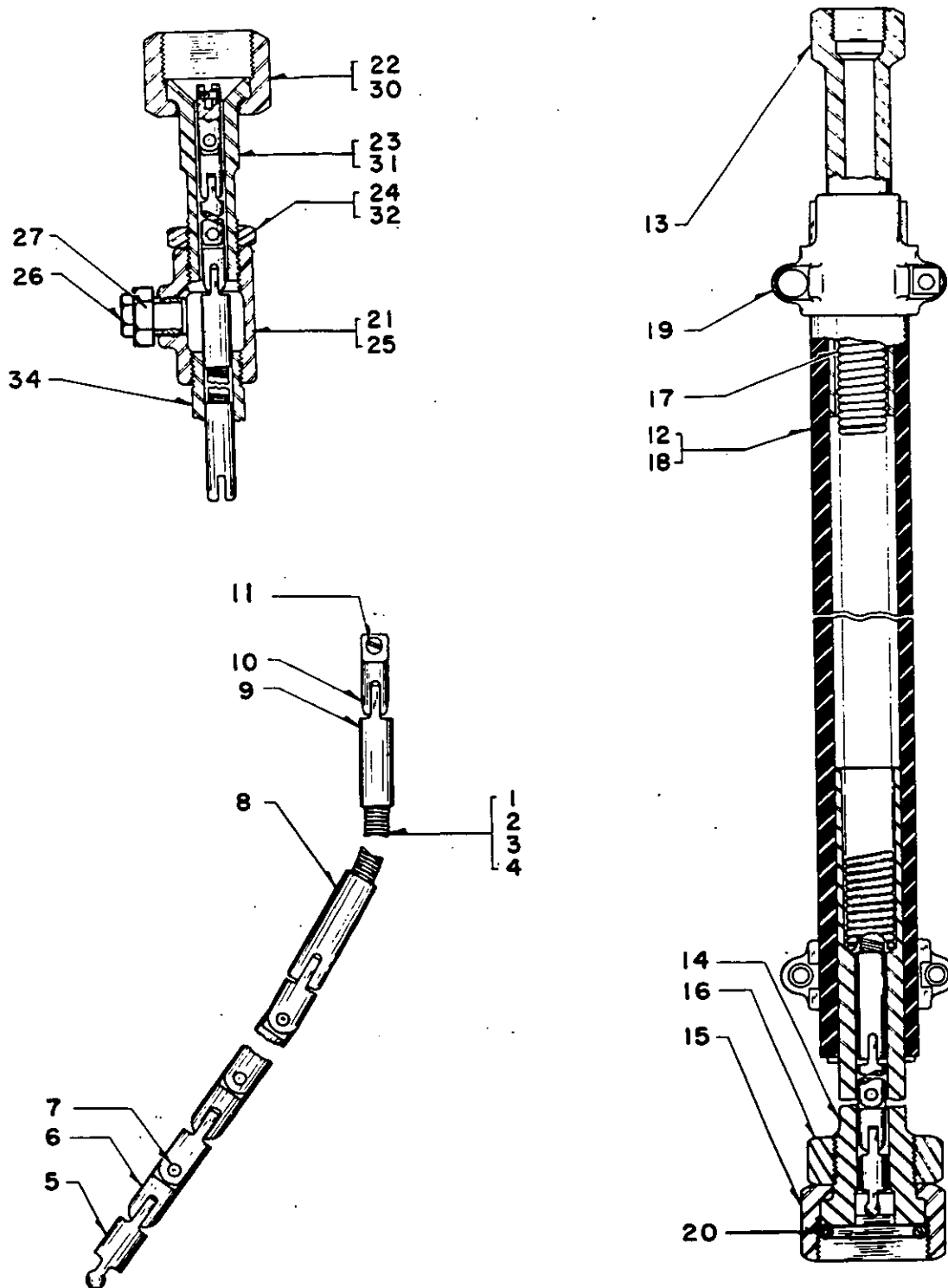


PLATE A2133-E-4

SPEED RECORDER

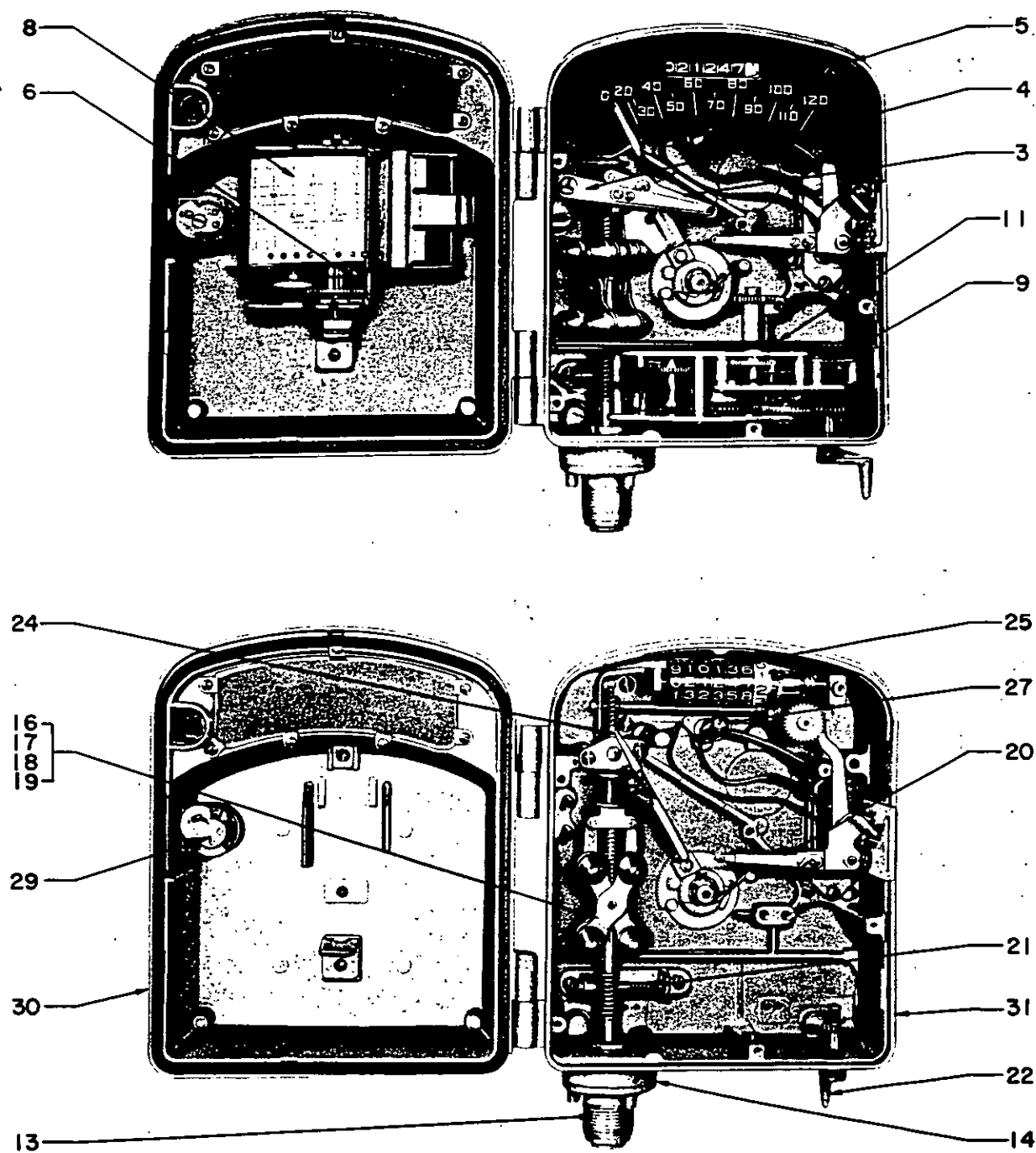
Bantam Speed Recorder
G18U Locomotives
PLATE A2137-E-1

Ref. No.	Part Number	No. Req.	Description
1	8309531	1	RECORDER .. Speed - Bantam - 120 KPH - G18U
* 2	8313438	1	PLATE .. Cover
3	8313436	2	STYLUS .. Speed recorder
4	8313439	1	ARM ASSEMBLY .. Speed stylus
5	8313440	1	DIAL .. Speed indicating - 120 KPH
6	8313441	1	CARRIER .. Cartridge
* 7	8313442	1	SPOOL .. Chart - Includes hub
8	8312413	1	CHART .. 0-120 KPH - 15 day
9	8313443	1	CLOCK ASSEMBLY .. Speed recorder
*10	8313444	1	CARTRIDGE .. Drive gear
11	8313445	1	GUARD .. Dust
*12	8313446	1	ROTOR ASSEMBLY .. Calibrated
13	8313447	1	COUPLING .. Cable
14	8313448	1	PLATE .. Bearing retaining
*15	8313449	1	SLEEVE .. Drive
16	8313450	A.R.	WASHER .. Calibrating - .02
17	8313451	A.R.	WASHER .. Calibrating - .025
18	8313452	A.R.	WASHER .. Calibrating - .0296
19	8313453	A.R.	WASHER .. Calibrating - .035
20	8313454	1	ARM ASSEMBLY .. Distance stylus
21	8313455	1	WORM ASSEMBLY .. Automatic clock winding
22	8313456	1	CRANK ASSEMBLY .. Manual clock winding
*23	8313457	1	HAND ASSEMBLY .. Speed indicating
24	8313458	1	HAND .. Speed indicating
25	8313459	1	ODOMETER ASSEMBLY .. Speed recorder - 120 KPH
*26	8313460	1	SOCKET ASSEMBLY .. Light
27	8140357	1	BULB .. Speed recorder - 6 Volt bayonet base
*28	8313461	1	BLOCK ASSEMBLY .. Terminal
29	8313462	1	LATCH ASSEMBLY .. Door
30	8313463	1	DOOR ASSEMBLY .. Speed recorder
31	8313465	1	CASE ASSEMBLY .. Speed recorder
*32	8448879	1	DRIVE ASSEMBLY .. Right angle - See Page 3
*33	6914293	1	ADAPTER .. Right angle drive
*34	8172334	1	GASKET .. Adapter to journal box
*35	8344258	1	SHAFT ASSEMBLY .. Flexible - 11 ft. long

8445786 23777

P.L. No. A2137-E

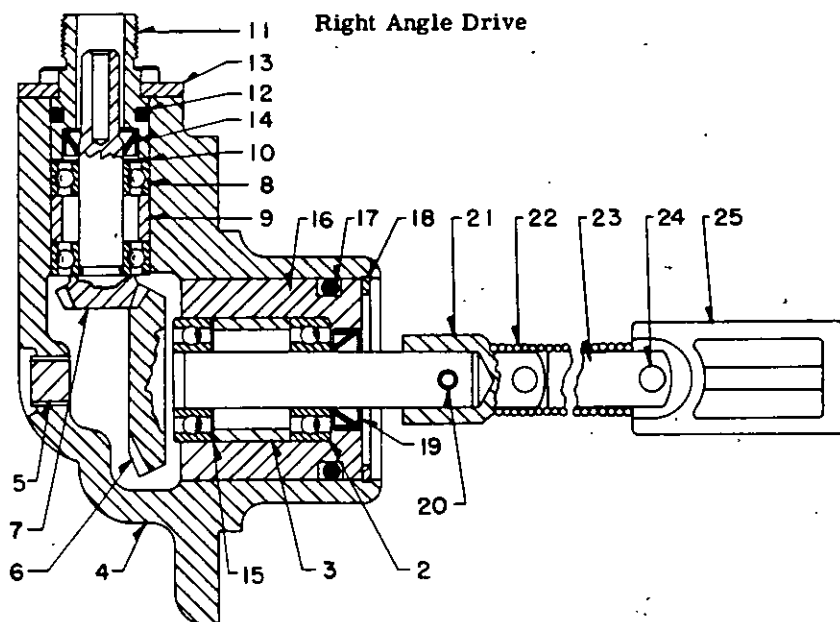
SPEED RECORDER



Ref. No. 1

PLATE A2137-E-1

SPEED RECORDER



Ref. No. 1

PLATE A2137-E-2

Ref. No.	Part Number	No. Req.	Description

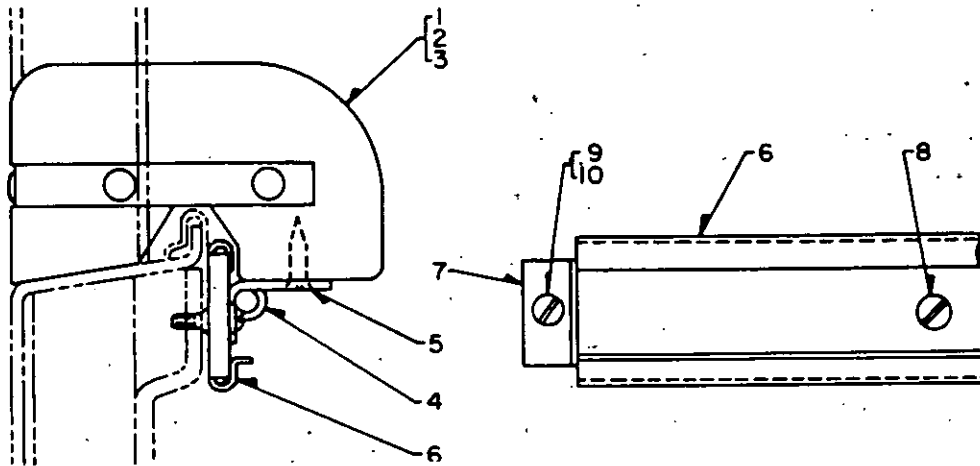
DRIVE ASSEMBLY .. Right Angle

1	8448879	1	DRIVE ASSEMBLY .. Right angle
2	8313375	2	BEARING .. Ball - Gear
3	8313376	1	SPACER .. Ball bearing
4	8313377	1	HOUSING .. Drive
5	143997	1	PLUG .. Oil filler
6	8313379	1	PINION
7	8313380	1	GEAR
8	8313381	2	BEARING .. Ball - Pinion
9	8313382	1	SPACER .. Ball bearing
10	8313383	4	SHIM .. Pinion
11	8313384	1	ADAPTER .. Flexible shaft
12	8313385	1	"O" RING .. Adapter
13	8313386	1	RETAINER .. Adapter
14	8313387	1	SEAL .. Pinion shaft
15	8313388	4	SHIM .. Gear
16	8313389	1	ADAPTER .. Gear bearing
17	8313390	1	"O" RING .. Adapter
18	8313391	1	RING .. Retaining
19	8313392	1	SEAL .. Gear shaft
20	456299	1	PIN .. Roll - 1/4 x 1 in. long
21	8313393	1	ADAPTER
22	8313394	1	HOUSING
23	8082179	3	LINK
24	8082180	4	RIVET
25		1	KEY .. Spline

Parts List No. D2410-E

CAB EQUIPMENT

Arm Rest and Sun Visor Assembly
 G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
 GT22CW,JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

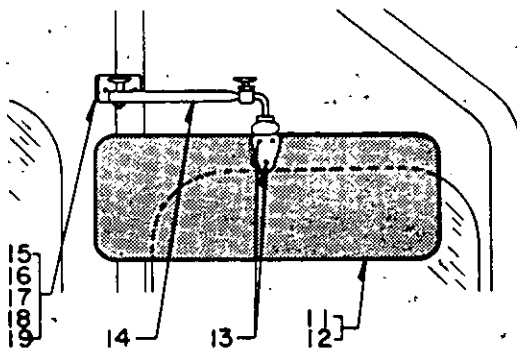


Ref. No. 1

PLATE C2410-E-1

Ref. No.	Part Number	No. Req.	Description
1	8208618	1	ARM REST ASY. ... Cab side window
2	8208616	1	PADDING .. Rubber
3	8118828	1	COVER .. Leather
4	8208621	1	SLIDE ASY. ... Arm rest
5	148865	5	SCREW .. Wood - No. 8 x 1 flat head
6	8208619	1	TRACK .. Arm rest slide
7	8208624	2	STOP .. Arm rest
8	171256	9	SCREW .. Tapping - 10-24 x 1/2 flat head
9	171482	4	SCREW .. Tapping - 10-24 x 1/2 round head
10	106497	4	WASHER .. Lock - No. 10

VISOR ASY. ... Sun



Ref. No.	Part Number	No. Req.	Description
*11	8358640	1	VISOR ASY. ... Sun - Replaced by 9331382
11	9331382	1	VISOR ASY.
12	8168493	1	VISOR .. Sun - Hard board
12		1	VISOR .. Padded
13	104220	3	RIVET .. Tubular - 1/8 x 3/8 flat head
14	8358957	1	ARM ASY. ... Sun visor
15	8358956	1	BASE .. Sun visor
16	8459341	1	BRACKET ... Visor mounting
16	9331818	1	BRACKET .. Visor mounting
17	103319	2	WASHER .. Lock - 1/4
18	103339	2	WASHER .. Plain - 9/32
19	113956	2	SCREW .. 1/4 - 20 x 5/8 rnd. hd.
19	113955	2	SCREW .. 1/4 - 20 x 1/2 rnd. hd.
19	113954	2	SCREW .. 1/4 - 20 x 3/8 rnd. hd.
19	441444	2	SCREW .. 1/4 - 20 x 1/2 pan hd.

† Some models may require new mounting holes to allow installation of this visor assembly.

Ref. No. 11

PLATE C2410-E-2

30533

AUGUST, 1980

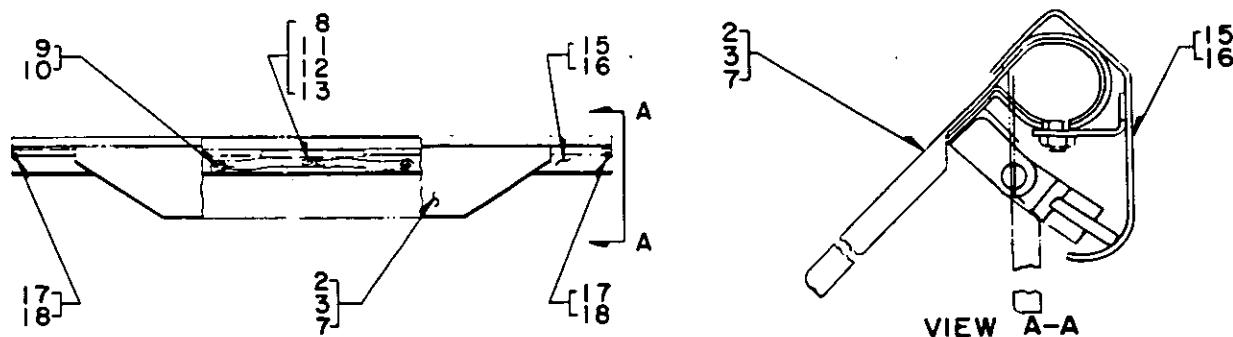
1

D2410-E

P.L. No. D2410-E

CAB EQUIPMENT

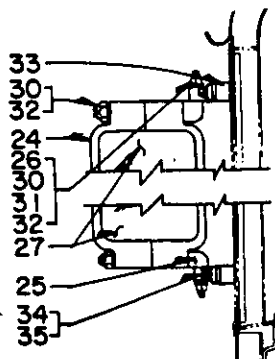
Metal Awnings and Rear View Mirrors
 GL18M,G22CU,G22CW,GL22C,GT22CU,GT22CW,GT26CW and GT26CU-2 Locomotives



Ref. No. 1
 PLATE C2410-E-3

Ref. No.	Part Number	No. Req.	Description	Locomotive Application
1	8123974	A	AWNING .. Metal - Adjustable	GL18M,G22CU,G22CW,GT22CU,
* 1	8467868	-	AWNING .. Metal - Stationary	GT22CW and GT26CW Locomotives
2	8308756	1	SHIELD ASSEMBLY .. Awning - Without stop angle - 55 in. long	
3	8280138	1	SHIELD SUB ASSEMBLY .. Awning - Includes connector	
* 4		1	CONNECTOR ASSEMBLY .. Shield	
* 5		1	BASE .. Shield	
* 6		2	LUG .. Connector	
7		1	SHIELD .. Plate	
8		1	SPRING ASSEMBLY .. Leaf	
9		2	PIN .. Roller	
10		2	WHEEL .. Leaf spring	
11		1	SPRING .. Leaf	
12		1	CONNECTOR .. Spring	
13		2	RIVET .. Connector	
*14	119199	1	PIN .. Cotter - 3/8 in. x 1-1/2 in. long	
15	8308757	1	HOUSING ASSEMBLY .. Awning - 70 in. long	
16		1	HOUSING .. Mounting to cab wall	
17	8441988	2	NUT .. Hex. - 3/8-16	
18	180116	2	BOLT .. Hex. head - 3/8-16 x 1/2	
*19	8467869	-	STRIP .. Mounting - To cab wall	
*20	180021	-	BOLT .. Hex. head - 1/4-20 x 7/8	
*21	120380	-	WASHER .. Lock - 1/4	
*22	9416528	-	NUT .. Lock - Hex. 1/4-20	

MIRROR .. Rear View - G22W,G22CU,G22CW,GL22C,GT22CU,
 GT22CW,GT26CW and GT26CU-2 Locomotives



Ref. No. 23
 PLATE C2410-E-4

Ref. No.	Part Number	No. Req.	Description
23	8198817	1	MIRROR .. Rear view
24		2	FRAME .. Mirror
25		2	PIN .. Friction mounting
26		2	BRACKET .. Mounting
27		1	MIRROR .. Glass - 5-1/8 x 17-3/4 in. long
*28		1	CUSHION .. Mirror
*29		1	PLATE .. Back
30		4	WASHER .. Plain - 1/2
31	120239	2	WASHER .. Lock - 1/2
32	9416536	4	NUT .. Lock - 1/2-13
33	8277902	2	BRACKET ASY. .. Mounting - To cab wall
33	8467957	2	BRACKET ASY. .. Mounting - To cab wall
33	8447365	2	BRACKET ASY. .. Mtg. - To cab wall - GT26CW only
34	180020	4	BOLT .. 1/4-20 x 3/4
35	120380	4	WASHER .. Lock - 1/4

24484,27432,19269,25295,23769

D2410-E

P.L. No. D2410-E

CAB EQUIPMENT
Arm Rest, Visor and Cab Vent

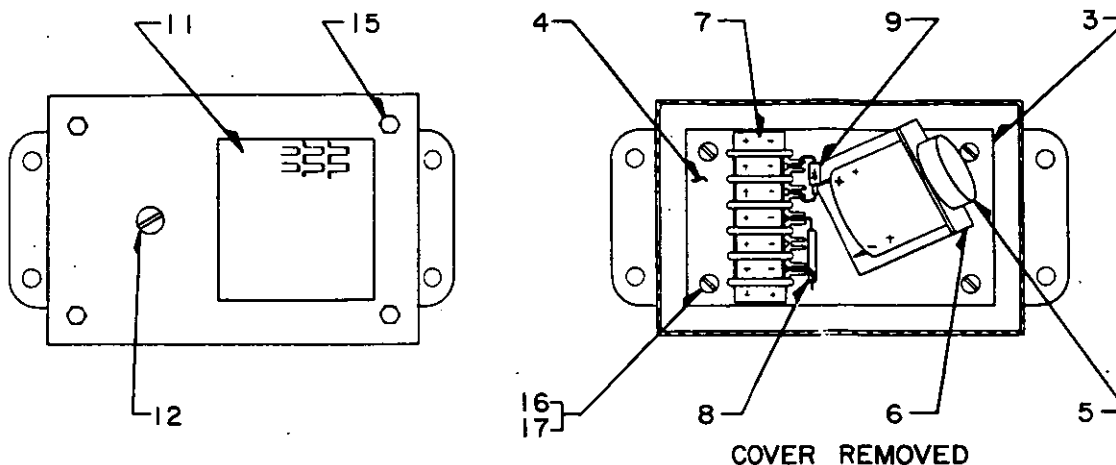
JT22CW and JT22CW-2 Locomotives
(Not Illustrated)

Ref. No.	Part Number	No. Req.	Description
ARM REST .. Sliding			
1	8322386	4	ARM REST .. Sliding
2	8322385	4	COVERING .. Leather
3	8266839	4	SLIDE ASY. .. Arm rest
4	101920	16	SCREW .. Wood - Slide to arm rest - No: 8 x 7/8 flat head
5	8322381	4	TRACK .. Arm rest slide
6	171256	36	SCREW .. Tapping - Slide mounting - 10-24 x 1/2 flat head
7	8322380	4	STRIP .. Arm rest
8	171482	8	SCREW .. Tapping - Strip mounting - 10-24 x 1/2 round head
VISOR ASY. .. Sun			
9	8284236	4	VISOR ASY. .. Sun
10	8284237	4	VISOR ASY. .. Sun - Incl. blade ball and arm, thumb screw, clamp and rivets
11	8235038	4	ARM ASY. .. Sun visor - Includes thumb screws
12	109958	12	RIVET .. Sun visor to arm - 1/8 oval head tubular
13	113955	8	SCREW .. Machine - Visor mounting - 1/4 - 20 x 1/2 round head
14	103319	8	WASHER .. Lock - 1/4
15	103339	8	WASHER .. Plain - 1/4
CAB ROOF VENT			
17	8424366	2	VENTILATOR .. Cab exhaust
18	171482	12	SCREW .. Tapping - Ventilator mounting - 10-24 x 1/2 round head
19	8380548	2	TRIM .. Ventilator support
20	8378200	2	GASKET .. Support to roof
LOCKS AND HINGES .. Cab Doors			
21	8376316	2	LOCK ASY. .. Cab door - Left side front and right side rear
22	8376317	2	LOCK ASY. .. Cab door - Right side front and left side rear
23	8186800	2	SPRING .. Latch
24	8186801	2	SPRING .. Latch
25	8153911	2	LATCH .. Slide
26	8039265	2	SPRING .. Tension
27	8253333	2	BOLT
28	8253334	2	BOLT
29	8284675	2	SPRING .. Tumbler
30	8284674	2	SPRING .. Tumbler
31	8284673	2	TUMBLER
32	8284672	2	TUMBLER
33	8272516	2	KEEPER .. Door lock
34	8272517	2	KEEPER .. Door lock
35	134432	8	SCREW .. Machine - Lock mounting - 1/4 - 20 x 1-1/4 oval head
36	120591	8	SCREW .. Machine - Lock mounting - 10-24 x 1/2 oval head
37	171225	4	SCREW .. Tapping - Lock mounting - 8-32 x 1/2 flat head
38	114346	6	SCREW .. Machine - Keeper mounting - 1/4 - 20 x 1-3/4 oval head
39	120583	4	SCREW .. Machine - Keeper angle mtg. - 1/4 - 20 x 5/8 round head
40	8321931	4	HINGE .. Cab door
41	9419648	16	SCREW .. Tapping - Hinge to door and carbody - 5/16 - 18 x 3/4 indented hex. washer head
42	9418466	88	SCREW .. Tapping - Hinge to door frame and door frame to carbody - 1/4-20 x 5/8 indented pan washer head

P.L. No. D2410-E

CAB EQUIPMENT

Safety Control Alarm Box Assembly
GL22C and JT22CW Locomotives



Ref. No. 1

PLATE C2410-E-5

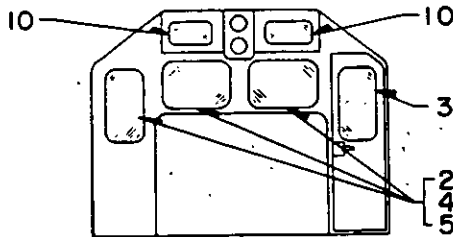
Ref. No.	Part Number	No. Req.	Description
1	9311095	1	BOX ASSEMBLY .. Safety control alarm
2	9311093	1	BOX .. Junction
3	9311094	1	PANEL ASSEMBLY .. Safety alarm
4	8455481	1	PANEL .. Equipment mounting - 11 ga. x 3 x 5 in.
5	8453394	1	SIGNAL .. Electronic - Operating voltage 6-28 V.D.C.
6	8455482	1	BRACKET .. Signal mounting
7	8455477	1	BOARD .. Terminal - 5 point - TB15
8	8453445	1	RESISTOR .. Tube - 3300 Ohms - 5 Watt - Includes leads
9	8421175	1	DIODE .. Silicon zener - Z10 - 27 Volts (Jedec No. 1 N3030B)
10	9419642	6	SCREW .. Tapping - 6-32 x 1/2 hex. washer head
11	8455479	1	GRILL .. Perforated interweave aluminum
12	8427171	1	RHEOSTAT .. Locking adjusting - 10,000 Ohms - 12.5 Watts
*13	8397794	A.R.	WIRE .. No. 18 teflon covered - Sold per ft. - 18 in. required
*14	8380934	4	TERMINAL .. Insulated female faston tab - Red
15	8455478	4	SCREW .. Machine - 10-32 x 5/8 drilled hex. head
16	132900	4	SCREW .. Machine - 10-32 x 3/8 round head
17	120217	4	WASHER .. Lock - No. 10
*18	8339154	A.R.	SOLDER .. Resin core - 1/16 dia. - 5 pound spool

9312723B 9313747B

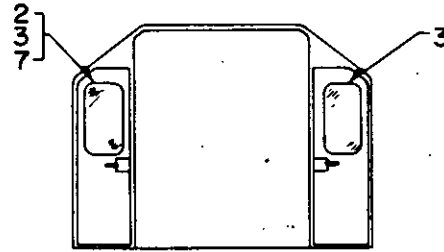
Parts List No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

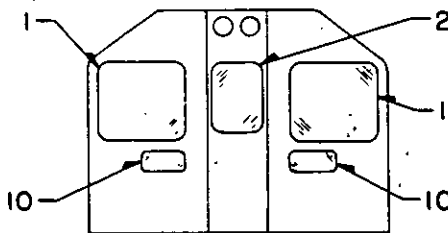
Cab Front and Rear Facing Stationary Windows

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

FRONT OF CAB

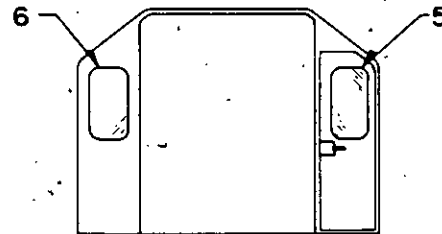
GL18M,G22U,G22W,G22CU,G22CW,GL22C
GT22CU,GT22CW,G26CU,G26CW,GT26CW
GT26CU-2,GT26CW-2

REAR OF CAB

G18U,G18W,GA18,G22U,G22W,G22U,G22CW
GL22C,GT22CU,GT22CW,G26CU,G26CW
GT26CW,GT26CU-2,GT26CW-2

FRONT OF CAB

G18U,G18W,GA18



REAR OF CAB

GL18M

PLATE D2415-E-1

Ref. No.	Part Number	Number Required	Description
		A - - - -	G18U,G18W and GA18 Locomotives
		- B - - - -	GL18M Locomotives
		- - C - - -	G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives
		- - - D - -	GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives
		- - - - E	GT26CW Locomotives
1	8396094	2 - - - -	GLASS .. 1/4 in. x 29 in. x 30 in.
2	8210376	1 2 3 3 4	GLASS .. 1/4 in. x 17-5/16 in. x 24-13/16 in.
2	8428403	1 2 3 3 4	GLASS .. Tinted - 1/4 in. x 17-5/16 in. x 24-13/16 in.
3	8208081	2 - 3 2 2	GLASS .. 1/4 in. x 13-7/16 in. x 25-3/16 in.
3	8428402	2 - 2 2 2	GLASS .. Tinted - 1/4 in. x 13-7/8 in. x 26-3/16 in.
4	9327963	- 1 - - -	GLASS .. 1/4 in. x 24-13/16 in. x 14-5/16 in. - Front right
5	9327858	- 2 - - -	GLASS .. 1/4 in. x 23-13/16 in. x 10-7/16 in. - Front left and right rear
6	9327962	- 1 - - -	GLASS .. 1/4 in. x 24-13/16 in. x 9-7/16 in.
7	8378985	- - - 1 -	GLASS .. 1/4 in. x 12-7/16 in. x 22-7/16 in. - Rear left
7	9080303	- - - 1 -	GLASS .. 1/4 in. x 12-7/16 in. x 22-7/16 in. - GT26CW-2
* 8	8489788	As Req.	WEATHERSTRIP .. Glass - Self sealing - 10 ft. long
* 9	8166637	As Req.	FILLER .. Weatherstrip - 100 ft. long
10	8439279	4 | 4 | 4 | 4	GLASS .. Number box - 1/4 in. x 7-7/8 in. x 17-5/8 in.
* 11	8489788	As Req.	WEATHERSTRIP .. Glass - Self sealing - 10 ft. long
* 12	8166637	As Req.	FILLER .. Weatherstrip - 100 ft. long

8396507, 9328080, 8383824, 8471070, 8446000, 9322180, 9327859, 8482469
8470707, 8444435

P.L. No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Front and Rear Facing Stationary Windows

JT22CW and JT22CW-2 Locomotives

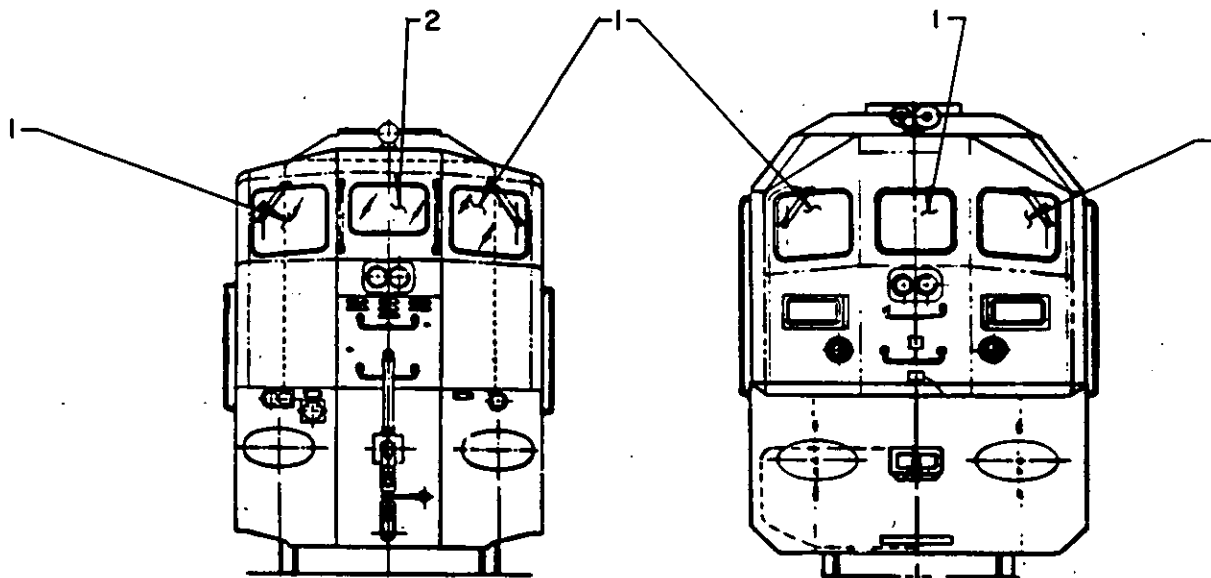


PLATE A2415-E-2

Ref. No.	Part Number	No. Req.	Description
		A -	JT22CW Locomotives
		B -	JT22CW-2 Locomotives
1	8320972	2 3	GLASS .. 9/16 in. x 28 in. x 25-1/8 in.
2	8320973	1 -	GLASS .. 9/16 in. x 25-1/8 in. x 19-1/8 in.
* 3	8388721	3 3	WEATHERSTRIP .. 13 ft. 3-3/8 in. long - Cut to required length
* 4	8321681	4 -	GLASS .. 1/4 in. x 12-3/8 in. x 21 in. - Cab door window
* 5	8489788	AR -	WEATERSTRIP .. Glass - Self sealing - 10 ft. long
* 6	8166637	AR -	FILLER .. Weatherstrip - 100 ft. long

P.L. No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Sliding Sash - Aluminum

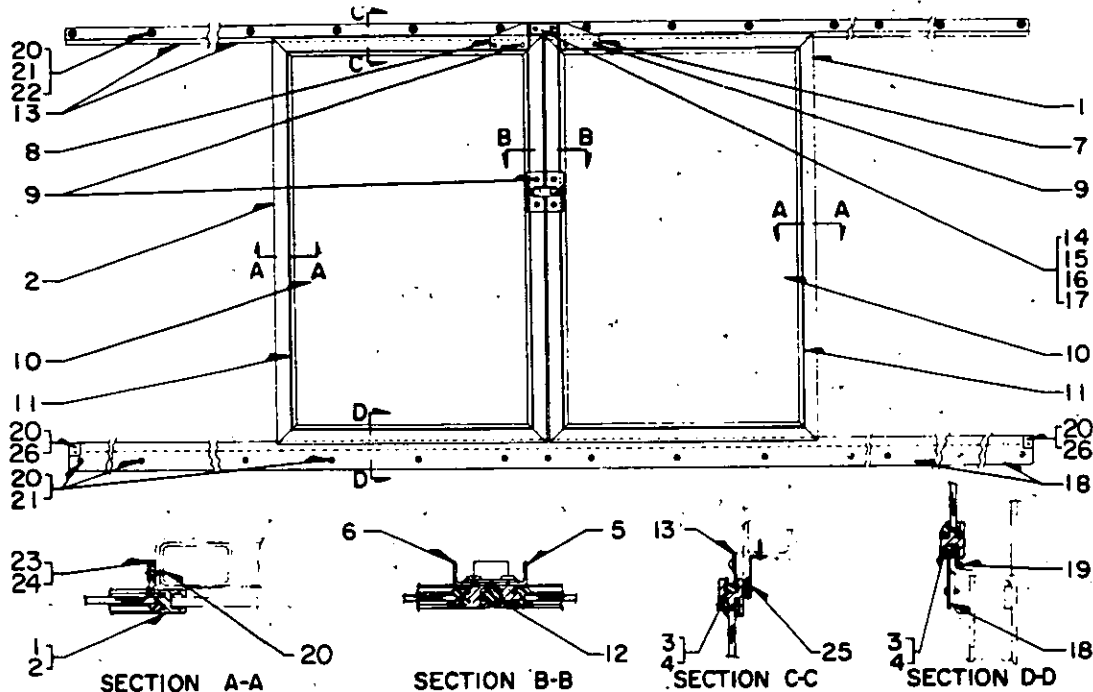
G18U, G18W, GA18, GL18M, G22U, G22W, G22CU, G22CW, GL22C
GT22CU, GT22CW, G26CU, G26CW, GT26CU-2 and GT26CW-2 Locomotives

PLATE C2415-E-3

Ref. No.	Part Number	No. Req.	Description
		A -	G18U, G18W, GA18, G22U, G22W, G22CU, G22CW, GL22C, GT22CU, GT22CW,
		B -	G26CU, G26CW, GT26CU, GT26CW, GT26CU-2 and GT26CW-2 locomotives
		C -	GL18M locomotives
φ 1	8455414	2 -	SASH ASY. .. Sliding - Left front and right rear - 17 x 25-1/2 in.
φ 1	8489062	- 2 -	SASH ASY. .. Sliding - Left front and right rear - 17 x 25-1/2 in.
1	9328950	- - 2	SASH ASY. .. Sliding - Left front and right rear - 17 x 23-1/16 in.
φ 2	8455415	2 -	SASH ASY. .. Sliding - Right front and left rear - 17 x 25-1/2 in.
φ 2	8489063	- 2 -	SASH ASY. .. Sliding - Right front and left rear - 17 x 25-1/2 in.
2	9328949	- - 2	SASH ASY. .. Sliding - Right front and left rear - 17 x 23-1/16 in.
3	8107247	8 8 8	BEARING .. Sash - Nylon
4	227104	8 8 -	SCREW .. Machine - 6-32 x 3/4 flat head - Stainless steel
* 4		- - 8	SCREW .. Machine - 6-32 x 1/2 flat head - Stainless steel
5	8184821	2 2 2	KEEPER .. Sash latch - Right front and left rear
6	8137362	2 2 2	LATCH .. Sash - Lock sash to sash - Left front and right rear
7		2 2 2	STOP .. Sash - Left front and right rear
8		2 2 2	STOP .. Sash - Right front and left rear
9	9413550	8 8 -	RIVET .. 3/16 x 1-1/4 countersunk head - Aluminum
9		- - 8	RIVET .. 3/16 x 1 countersunk head - Aluminum
φ 10	8205358	2 2 -	GLASS .. Sliding sash - 15/64 x 14-7/8 x 23-3/8 in.
φ 10	8432553	2 2 -	GLASS .. Cab sliding sash - Tinted - 1/4 in. x 23-3/8 x 14-7/8 in.
φ 10	8307491	2 2 -	GLASS .. Cab sliding sash - Deeply tinted - 1/4 in. x 23-3/8 x 14-7/8 in.
* 10		- - 2	GLASS .. Sliding sash - 15/64 x 14-7/8 x 20-15/16 in.
11	8116587	1 1 -	WEATHERSTRIP .. Glazing - 15 ft. length - Approx. 6 ft. 6 in. required per glass
* 11	8205361	- - 2	WEATHERSTRIP .. Glazing - Top and bottom of sash - 15-1/4 in. long
* 11		- - 2	WEATHERSTRIP .. Glazing - Sides of sash - 21-5/16 in. long
12	8107252	1 1 -	WEATHERSTRIP .. Bumping - Right front and left rear only
* 12		- - 1	WEATHERSTRIP .. Bumping - Right front and left rear only
13	8455416	2	TRACK .. Sliding sash - Upper - 5 ft. 6-3/4 in. - Left and right side
14		2	BLOCK .. Stop - Outer
	8455417, 9331289		

AUGUST, 1980

3

D2415-E

P.L. No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Sliding Sash - Aluminum

Ref. No.	Part Number	No. Req.	Description
		A - - - B - - - C	G18U,G22U,G22CU,G22CW,GT22CU,GT22CW,G26CU,G26CW,GT26CW, GT26CU-2 and GT26CW-2 locomotives GL18M
-	8455416	2	TRACK .. Sliding sash - Upper - 5 ft. 6-3/4 in. - Left and right side
15		2	BLOCK .. Stop - Inner - Welds to track
16	180021	4	BOLT .. Outer block to innder block - 1/4-20 x 7/8 hex. head
17		4	WASHER .. Lock - 1/4 stainless steel
18	8205355	2	TRACK .. Sliding sash - Lower - 5 ft. 6-3/4 in. - Left and right side
19	----	AR	COMPOUND .. Calking - Lower track to sill 8198204 .. 1-1/2 lb. can 8165001 .. 7-1/2 lb. can
20	171570	98	SCREW .. Tapping - 10-24 x 7/8 slotted round head
21	115545	50	WASHER .. Lock - No. 10 - Internal tooth
22	103338	24	WASHER .. Plain - No. 10
23	8205356	2 2 -	WEATHERSTRIP .. Side - Felt with steel binder - Left front and right rear
*23	9331290	- - 2	WEATHERSTRIP .. Side - Felt with steel binder - Left front and right rear
24	8205665	2 2 -	WEATHERSTRIP .. Side - Felt with steel binder - Right front and left rear
*24	9331291	- - 2	WEATHERSTRIP .. Side - Felt with steel binder - Right front and left rear
25	8205357	1 1 1	WEATHERSTRIP .. Top
26	8251891	2 2 2	BLOCK .. Sash stop

P.L. No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Sliding Sash - Aluminum

JT22CW and JT22CW-2 Locomotives

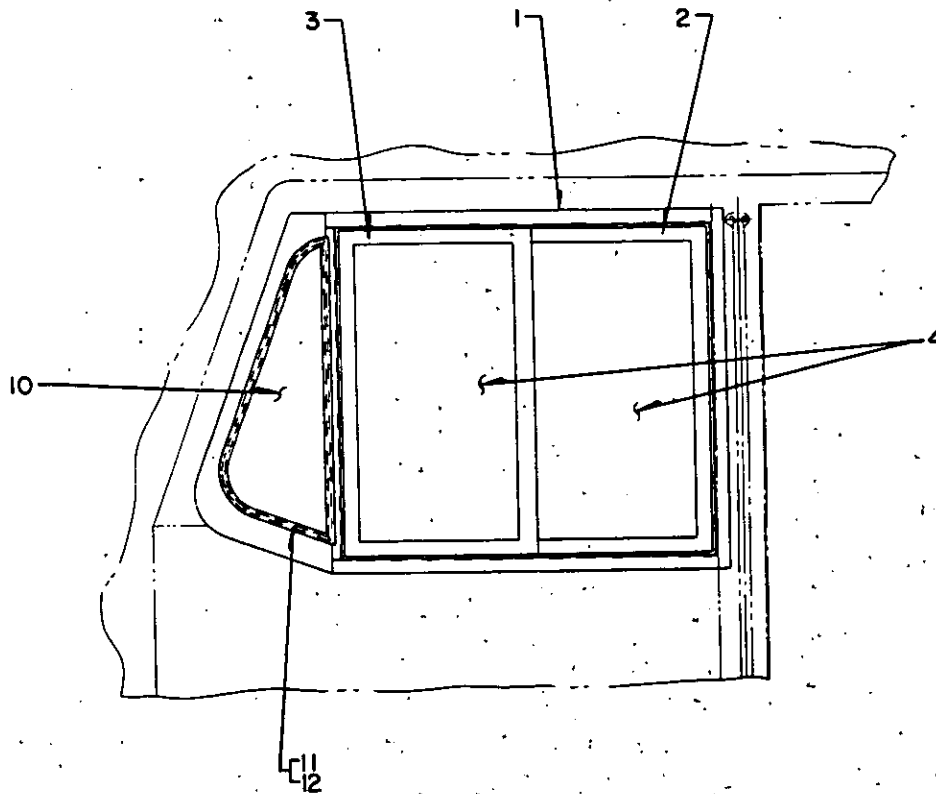


PLATE A2415-E4

Ref. No.	Part Number	No. Req.	Description
		A -	JT22CW-2 locomotives
		B -	JT22CW locomotives
1	9518414	2 -	SASH ASY. .. Sliding - Left hand cab side - Complete with frame
* 1	9518413	2 -	SASH ASY. .. Sliding - Right hand cab side - Complete with frame
1	8320189	- 2	SASH ASY. .. Sliding - Left hand cab side - Complete with frame
* 1	8320188	- 2	SASH ASY. .. Sliding - Right hand cab side - Complete with frame
2		4 4	SASH .. Slider asy. with glass - Left rear, right front - 16-9/32 x 28-1/2 in.
3		4 4	SASH .. Slider asy. with glass - Left front, right rear - 16-9/32 x 28-1/2 in.
4	8326790	4 4	GLASS .. 1/4 x 26-3/8 x 14-5/32 in. - Slider asy.
* 5	8116587	- -	WEATHERSTRIP .. Rubber glazing 15 ft. - Approx. 5 ft. 2-11/32 in. required per sliding sash glass
* 6	8326787	4 4	SEAL .. Rubber bumper - 27-27/32 in. long - Front of front sash and rear of rear sash
* 7	8326788	2 2	SEAL .. Rubber bumper - 28-1/2 in. long - Rear of front sash
* 8	8326791	2 2	BUMPER .. Rubber - 27-27/32 in. long - Front and rear of sash
* 9	8210699	2 2	FELT ASY. .. Weatherstrip - Between sliding sash
10	8326789	2 2	GLASS .. Stationary window
11	8326896	2 2	WEATHERSTRIP .. With vulcanized corners
12	8166637	- -	FILLER .. Weatherstrip 100 ft. - Approx. 5 ft. - 4-7/16 in. required for each stationary window
* 13	8133198	- AR	TAPE .. Pressure sensitive with adhesive backing - 1/16 in. x 3/4 in. x 100 ft. long - Window assembly to cab
* 14	9418466	- 144	SCREW .. Tapping - Window assembly to cab - 1/4-20 x 5/8 pan washer head

9500491, 8322790, 8322791, 8320189

AUGUST, 1980

P.L. No. D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Sliding Sash - Aluminum

G18U,G18W,GA18,G22W,G22CU,GL22C and G26CW Locomotives

PLATE C2415-E-5

Ref. No.	Part Number	No. Req.	Description
1	8205359	2	SASH .. Sliding - Right side front and left side rear
2	8205360	- 2	SASH .. Sliding - Left side front and right side rear
3	8107247	8 8	PLATE .. Wear
4	227095	8 8	SCREW .. Machine - 6-32 x 3/8 flat head - Stainless
5	8137362	2 -	LATCH .. Window - Locks sash to sash
6	8184820	- 2	KEEPER .. Latch
7	9402094	4 4	RIVET .. 3/16 x 1-1/8 countersunk head - Aluminum
8	8137360	2 -	STOP .. Lock
9	8245922	6 -	RIVET .. 5/32 x 1-1/4 countersunk head - Aluminum
10	8107252	2 -	WEATHERSTRIP .. Bumping
11	8205354	2	TRACK .. Sliding sash - Upper
*12	8137355	2	LOCK ASSEMBLY .. Sash - Spring
13	8198088	2	PLUNGER .. Lock - Includes pin
14	8198090	2	SPRING
15	8198091	2	PIN .. Short
16	8205355	2	TRACK .. Sliding sash - Lower
17	100764	22	SCREW .. Machine - 10-32 x 1/2 round head
18	171482	8	SCREW .. Tapping - 10-24 x 1/2 round head
19	115545	30	WASHER .. Lock - No. 10 - Internal tooth
20	103338	22	WASHER .. Plain - 7/32 I.D.
*21	8251891	4	STOP .. Sliding sash
*22	171570	8	SCREW .. Tapping - 10-24 x 7/8 round head
23	8205665	2	WEATHERSTRIP .. Side - Felt with steel binder - Right side front and left side rear
*24	8205356	2	WEATHERSTRIP .. Side - Felt with steel binder - Left side front and right side rear
25	8205357	2	WEATHERSTRIP .. Top - Felt with steel mounting angle
26	171482	12	SCREW .. Tapping - 10-24 x 1/2 round head
27	171507	28	SCREW .. Tapping - 10-24 x 5/8 round head
28	8205358	4	GLASS .. Sliding sash - 1/4 in. x 13-3/8 in. x 14-7/8 in.
29	8116587	-	WEATHERSTRIP .. Rubber glazing 15 ft. - Approximately 6 ft. 6 in. required per glass
*30	8198204	A.R.	COMPOUND .. Caulking - 1-1/2 pound can - Lower track to sill

8205351A

D2415-E

CAB SLIDING SASH AND STATIONARY WINDOWS

Cab Sliding Sash - Aluminum

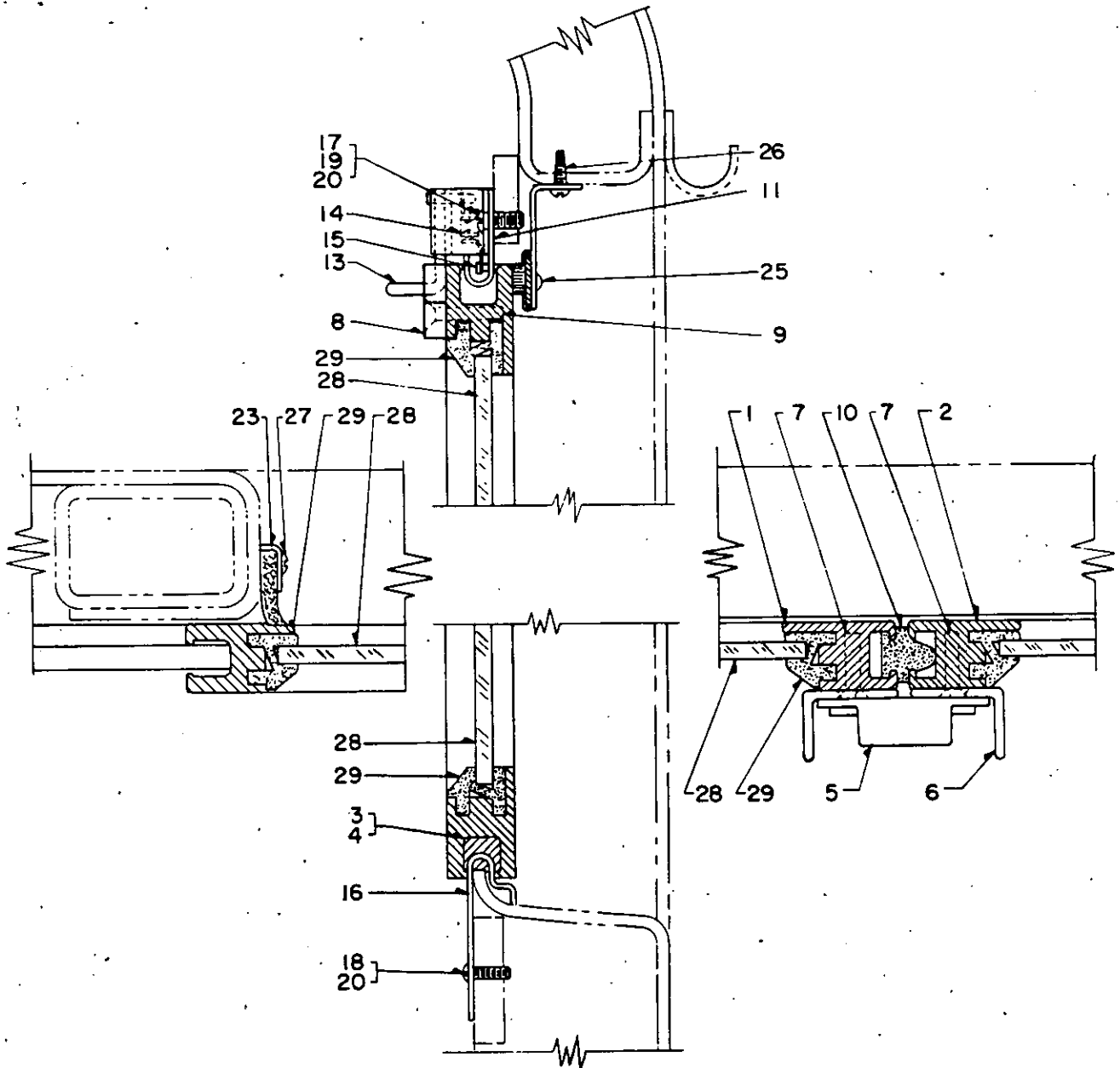


PLATE C2415-E-5

CAB SEATS

Parts List-No. D2420-E

Cab Seat Assembly - Fold Down Removable Back Rest -
No Arm Rest - Slide Rail Mounted

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

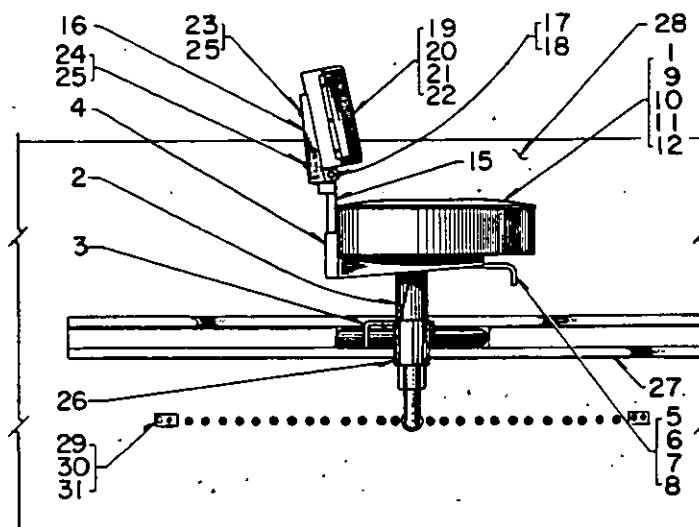


PLATE C2420-E-1

Ref. No.	Part Number	No. Req.	Description
1	8196957	1	SEAT ASSEMBLY .. Cab - 360° rotation - 90° indexing
2	8200468	1	TUBE ASSEMBLY .. Slide
3	8200469	1	PIN ASSEMBLY .. Height adjustment - Includes chain
4	8398731	1	SUPPORT ASSEMBLY .. Seat cushion
5	8200471	1	PIN .. Swivel stop
6	9417941	1	PIN .. Spring - 1/8 in. x 3/4 in. long
7	8200472	1	SPRING .. Swivel stop pin
8	103374	1	PIN .. Cotter - 3/32 in. x 1 in. long
9	8200473	1	CUSHION ASSEMBLY .. Seat - 18 in. dia. x 5-1/4 in. thick
10	8190246	1	PAD .. Rubber cushion
11	8190245	1	COVER .. Leather
12	453832	8	NUT .. Tee - 1/4-20 three prong
*13	180024	4	BOLT .. Cushion mounting - 1/4-20 x 1-1/4 hex. head
*14	103319	4	WASHER .. Lock - 1/4
15	8396394	1	TUBE ASSEMBLY .. Back support - Removable - Old style
15	8471426	1	TUBE ASSEMBLY .. Back support - Removable - New style
16	8250770	1	SUPPORT ASSEMBLY .. Back seat
17	8346909	1	PIN .. Hinge - Back rest support
18	8353974	1	WASHER .. Lock - Hinge pin
19	8200477	1	CUSHION ASSEMBLY .. Back rest - 15-1/4 in. wide x 8-1/2 in. high
20	8200478	1	PAD .. Back rest cushion
21	8200479	1	COVER .. Leather
22	453832	4	NUT .. Tee - 1/4-20 three prong
23	155363	2	SCREW .. Machine - 1/4-20 x 1-1/4 round head - Cross recess
24	155373	2	SCREW .. Machine - 1/4-20 x 1-3/4 round head - Cross recess
25	103319	4	WASHER .. Lock - 1/4

MOUNTING EQUIPMENT

	A	B	
			G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU, GT22CW,G26CU,G26CW,GT26CU-2 and GT26CW-2 Locomotives
			JT22CW-2 and GT26CW Locomotives
26	8208040	1	SUPPORT .. Seat - Extends 11-3/8 in. from side rail
26	8346783	1	SUPPORT ASY. .. Seat - Extends 13-3/8 in. from side rail - Replaces 8182305
27	8336879	1	RAIL .. Slide - Welds to cab side sheet - Right side or left side
28	8381183	1	SHEET .. Cab side - Welds to cab wall - Right or left side
29	8208318	2	STOP .. Seat - Right or left side
39	8201054	1	STOP .. Seat - Adjustable
30	179814	4	BOLT .. 5/16-18 x 5/8 hex. head
31	103320	4	WASHER .. Lock - 5/16

P.L. No. D2420-E

CAB SEATS

Cab Seat Assembly - Fold Down Back Rest -
 No Arm Rest - Slide Rail Mounted
 G18W and G26CW Locomotives

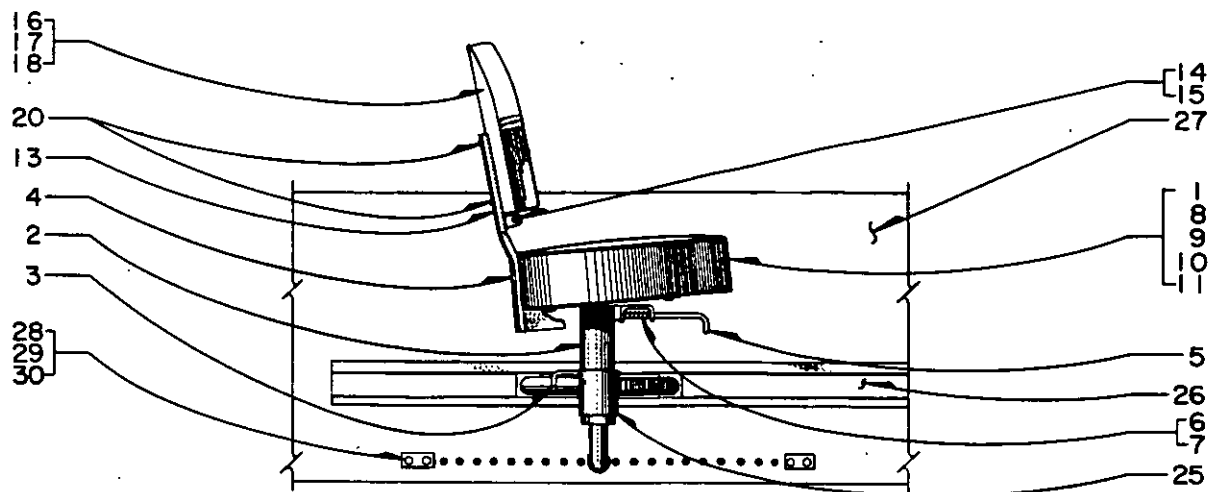


PLATE C2420-E-2

Ref. No.	Part Number	No. Req.	Description
1	9087100	1	SEAT ASSEMBLY .. Cab - 360° rotation - 90° indexing - Replaces 8489802
2	8200468	1	TUBE ASSEMBLY .. Slide
3	8200469	1	PIN ASSEMBLY .. Height adjustment
4		1	SUPPORT ASSEMBLY
5	8200471	1	HANDLE .. Indexing - 6-1/4 in. long
6	8200472	1	SPRING .. Swivel stop pin
7	103374	1	PIN .. Cotter - 3/32 x 1 in. long
8	8200473	1	CUSHION ASSEMBLY .. Seat - 18 in. dia. x 5-1/4 in. thick
9	8190246	1	PAD .. Rubber cushion
10	8190245	1	COVER .. Vinyl
11	453832	8	NUT .. Tee - 1/4-20 three prong
*12		4	BOLT .. Cushion mounting - 1/4-20 x 1 in. hex. head - Self locking
13	8250770	1	SUPPORT ASSEMBLY .. Back support
14	8346909	1	PIN .. Hinge - Back rest support
15	8353974	1	WASHER .. Lock - Hinge pin
16	8250771	1	CUSHION ASSEMBLY .. Back rest - 15-1/4 in. wide x 15-1/4 in. high
17	8317875	1	PAD .. Back rest cushion
18	8317876	1	COVER .. Vinyl
*19	453832	4	NUT .. Tee - 1/4-20 three prong
20	155363	4	SCREW .. Machine - 1/4-20 x 1-1/4 round head - Cross recess
*21		1	STRAP .. Anti-Theft
*22		1	RIVET .. Drive
*23		1	BOLT .. Self locking - Anti-theft strap mounting
*24		1	WASHER .. Nylon - Anti-theft strap mounting

MOUNTING EQUIPMENT

25	8208040	1	SUPPORT .. Seat - Extends 11-3/8 in. from side rail
26	8336879	1	RAIL .. Slide - Welds to cab side sheet - Right or left sides
27	8381183	1	SHEET .. Cab side - Welds to cab wall - Right or left sides
28	8208318	2	STOP .. Seat - Right or left side
29	179814	4	BOLT .. 5/16-18 x 5/8 hex. head
30	103320	4	WASHER .. Lock - 5/16 in.

30477 25309 28593 24651
 20960 30315

CAB SEATS

Slide Rail Mounted Folded Cab Seat Assembly
and Folding Observer's Seat
GA18,G18W,G22W and G22CU Locomotives

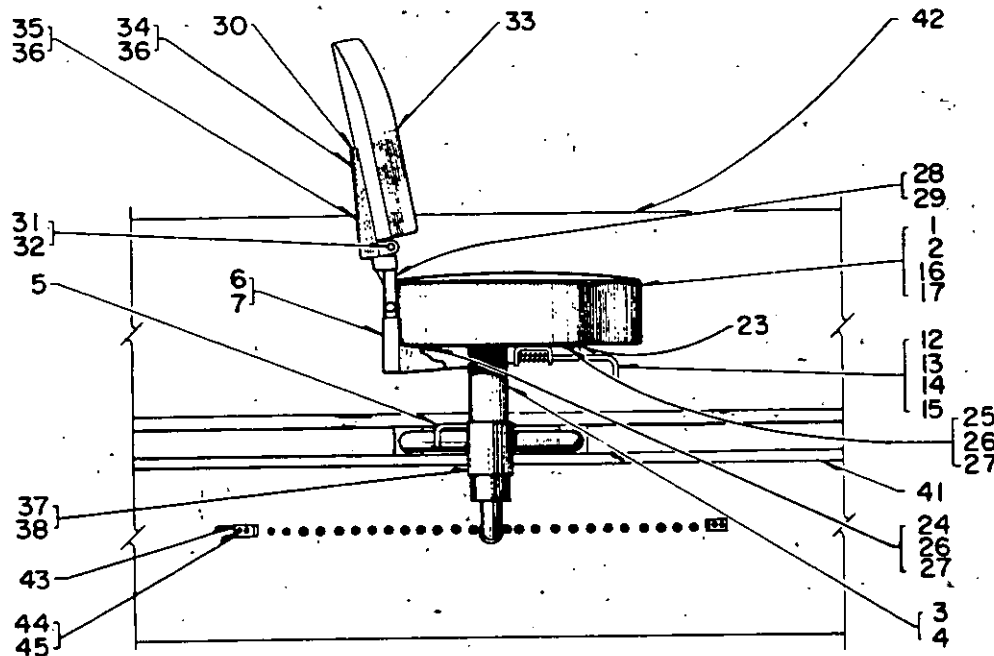


PLATE C2420-E-3

Ref. No.	Part Number	No. Req.	Description	Rotation	Indexing	Type	Location
1	8386525	A	SEAT ASY... Cab - G18W Repl. by 9087100	360°	90°	Non-Alertor	R.S., L.S.
2	8349553	B	SEAT ASY... Cab - Repl. by 9087120 GA18,G22W,G22CU	270°	90°	Alertor	R.S.
3	8200468	1	TUBE ASSEMBLY .. Slide				
4	8353972	1	TUBE ASSEMBLY .. Slide				
5	8200469	1	PIN ASSEMBLY .. Height adjusting - Includes chain				
6	8250768	1	SUPPORT ASSEMBLY .. Seat cushion				
7	8353970	1	SUPPORT ASSEMBLY .. Seat cushion				
* 8	8228161	1	CLAMP .. Alertor cable support				
* 9	9415760	1	SCREW .. Machine - 6-32 x 3/4 hex. head				
* 10	134530	1	NUT .. 6-32 hex.				
* 11	131014	1	WASHER .. Plain - 5/32 I.D.				
12	8200471	1	PIN .. Swivel stop				
13	8200472	1	SPRING .. Swivel stop pin				
14	103374	1	PIN .. Cotter - 3/32 in. x 1 in. long				
15	9417941	1	PIN .. Spring - 1/8 in. x 3/4 in. long				
16	8200473	1	CUSHION ASSEMBLY .. Seat - 18 in. dia. x 5-1/4 in. thick				
17	8353973	1	CUSHION ASSEMBLY .. Seat - 18 in. dia. x 5-1/4 in. thick Includes alertor antenna				
* 18	8190246	1	PAD .. Rubber				
* 19	8190245	1	COVER .. Leather				
* 20	453832	8	NUT .. Tee - 1/4-20				

20960

P.L. No. D2420-E

CAB SEATS

Ref. No.	Part Number	No. Req.	Description
	8386525	A -	SEAT ASSEMBLY .. Cab - Non-Alertor
	8349553	- B	SEAT ASSEMBLY .. Cab - Alertor
*21	8350061	- 1	BOARD .. Terminal - 2 point
*22	161638	- 4	SCREW .. Tapping - Terminal board mounting - 8-15 x 1 round head - Cross recess
23		2 -	BLOCK .. Cushion support
24	179799	2 -	BOLT .. 1/4-20 x 1-1/4 hex. head - Rear bolts
25	179805	2 -	BOLT .. 1/4-20 x 2 hex. head - Front bolts
26	180024	- 4	BOLT .. 1/4-20 x 1-1/4 hex. head
27	103319	4 4	WASHER .. Lock - 1/4
28	8250769	1 -	TUBE ASSEMBLY .. Back support - Removable
29	8353971	- 1	TUBE ASSEMBLY .. Back support - Removable
30	8250770	1 1	SUPPORT ASSEMBLY .. Back rest - Fold down
31	8346909	1 1	PIN .. Hinge - Back rest support
32	8353974	2 2	WASHER .. Lock - Hinge pin
33	8250771	1 1	PAD ASSEMBLY .. Back rest - 15 in. wide x 15 in. high
34	155363	2 2	SCREW .. Machine - 1/4-20 x 1-1/4 round head - Cross recess
35	155373	2 2	SCREW .. Machine - 1/4-20 x 1-3/4 round head - Cross recess
36	103319	4 4	WASHER .. Lock - 1/4
37	8208040	1 -	SUPPORT .. Seat - Right or left side
38	8346783	- 1	SUPPORT .. Seat
*39	180122	- 1	BOLT .. 3/8-16 x 1 hex. head
*40	120382	- 1	WASHER .. Lock - 3/8
41	8336879	1	RAIL .. Slide - Welds to cab side sheet - Right or left side
42	8381183	1	SHEET .. Cab side - Welds to cab wall - Right or left side
43	8208318	2	STOP .. Seat - Right or left side
44	179814	4	BOLT .. 5/16-18 x 5/8 hex. head
45	103320	4	WASHER .. Lock - 5/16

SEAT ASSEMBLY .. Cab - Observer - G22CU,G22CW,GT22CU and GT22CW Locomotives

Ref. No.	Part Number	No. Req.	Description
46	8349729	1	SEAT ASY. ... Folding - Observer's
47	8395826	1	CUSHION ASY. .. Seat - Oval - 11-1/2 in. wide x 11 in. long x 2-1/4 in. high
48		1	PAD .. Rubber
49		1	COVER .. Leather
*50	453832	4	NUT .. Tee - 1/4-20 - Three prong
*51	179795	4	BOLT .. Cushion mounting - 1/4-20 x 3/4 hex. head
*52	103319	4	WASHER .. Lock - 1/4
53	8395827	1	BRACKET .. Cushion support
54	8395830	1	CHANNEL .. Cushion support
55	8395829	1	SHAFT .. Bracket to channel hinge
56	8395828	1	SPRING .. Tension
57	8395831	2	WASHER .. Lock - Bracket to channel hinge shaft
58	8378138	1	BRACKET .. Seat mounting - Welds to cab wall
59	179839	8	BOLT .. Seat to mounting bracket
60	103321	8	WASHER .. Lock - 3/8
61	102635	8	NUT .. 3/8-16 hex.

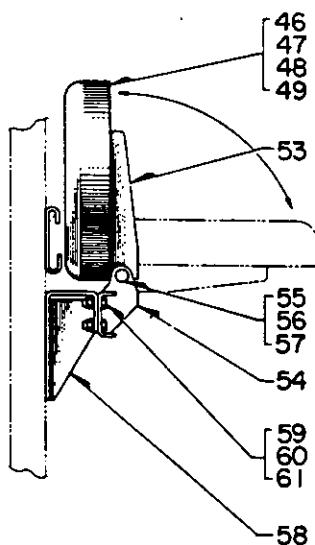
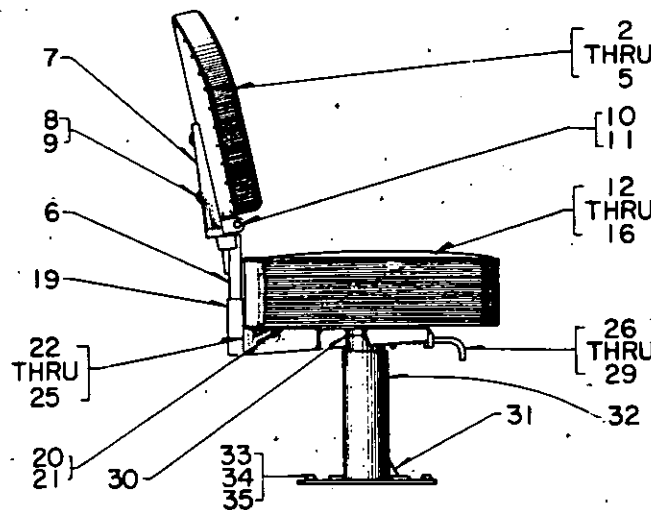


PLATE C2420-E-4

25309

CAB SEATS

Seat Assembly - Fold Down Removable Backrest -
No Armrests - Pedestal Mounted
G26CW Locomotive



Ref. No. 1

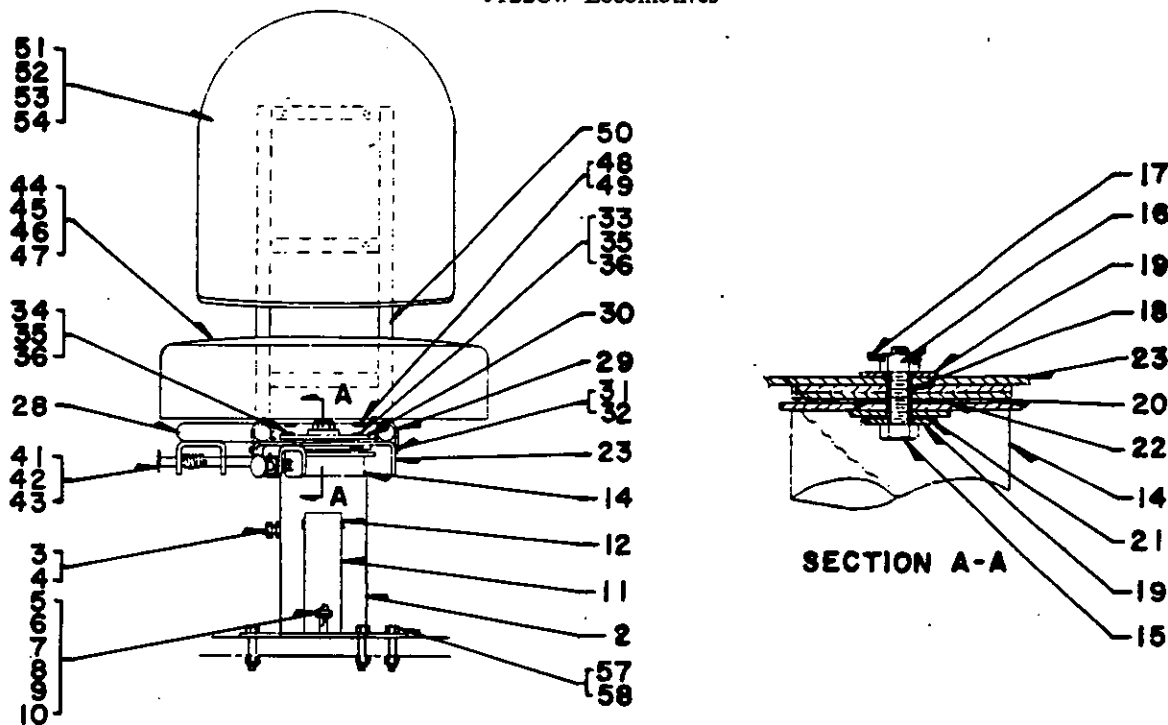
PLATE C2420-E-5

Ref. No.	Part Number	No. Req.	Description
1	8486734	1	SEAT ASSEMBLY .. Cab - Rotation 270° - Indexing 90° - 4 in. vertical travel
2	8250771	1	CUSHION ASSEMBLY .. Back
3	8317875	1	PAD .. Backrest
4	8317876	1	COVER .. Vinyl
5	453832	4	NUT .. Tee - 1/4-20 - Three prong
6	8471426	1	TUBE .. Back support
7	8250770	1	SUPPORT ASSEMBLY .. Backrest - Fold down
8	155363	4	SCREW .. Machine - Pad mounting - 1/4-20 x 1-1/4 round head
9	103319	4	WASHER .. Lock - 1/4
10	8346909	1	PIN .. Hinge - Backrest support
11	8353974	2	WASHER .. Lock - Hinge pin
12	8353973	1	CUSHION ASSEMBLY .. Seat
13	8190246	1	PAD .. Rubber
14		1	COVER .. Vinyl
15	453832	4	NUT .. Tee - 1/4-20 - Three prong
16		1	ANTENNA ASSEMBLY .. Alert
*17	8350061	1	STRIP .. Terminal
*18	132776	2	SCREW .. Machine - Terminal mounting - 8-32 x 1 round head
19	8346906	1	SUPPORT ASSEMBLY .. Seat cushion
20	180024	4	SCREW .. Support to seat cushion
21	103319	4	WASHER .. Lock - 1/4
22	8228161	1	CLAMP .. Seat support
23	155043	1	SCREW .. Machine - 8-32 x 1/2 round head
24	120622	1	NUT .. No. 8-32
25	131016	1	WASHER .. Plain - 5/8
26	9417941	1	PIN .. Rotating index
27	8200472	1	SPRING .. Rotating index pin
28	103374	1	PIN .. Cotter - 3/32 x 1
29	8200471	1	HANDLE .. Rotating index
30	8353972	1	TUBE ASSEMBLY .. Slide
31	8200469	1	PIN ASSEMBLY .. Height adjusting - Includes chain
32	8238490	1	BASE ASSEMBLY .. Seat
33	179890	12	BOLT .. Base mounting - 1/2-13 x 2-1/4 hex. head
34	106265	12	WASHER .. Plain - 1/2
35	103323	12	WASHER .. Lock - 1/2

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CAB SEATS

Cab Seat Assembly - Removable Backrest -
No Armrests - Pedestal Mounted
JT22CW Locomotives



Ref. No. 1

PLATE C2420-E-6

Ref. No.	Part Number	No. Req.	Description
1	8413204	1	SEAT ASSEMBLY .. Cab - 360° rotation - 90° indexing - 4 vertical positions - 5 horizontal positions - Engineer's
2	9522171	1	BASE ASSEMBLY .. Seat - Includes outside tube - Replaces 8214885
3	8214902	1	BOLT .. Elevation lock
4	103323	1	WASHER .. Lock - 1/2
5	8372997	1	LEVER ASSEMBLY .. Foot
6	113959	1	SCREW .. Machine - Foot lever pivot - 1/4-20 x 1 round head
7	103319	1	WASHER .. Lock - 1/4
8	120375	1	NUT .. 1/4-20 hex.
9	8214896	1	PIN .. Foot lever index
10	8178104	1	SPRING .. Foot lever
11		1	HOUSING .. Foot lever cover
12	447813	2	SCREW .. Tapping - Foot lever cover to outside tube - 8-32 x 1/2 round head
*13	8178106	1	SPRING .. Compression
14		1	TUBE ASSEMBLY .. Inside
15		1	BOLT .. 3/4-16 x 2-1/4 hex. head - Drilled
16	272320	1	NUT .. Slotted - 3/4-16 hex.
17	120123	1	PIN .. Cotter - 1/8 x 1-1/4 in. long
18		1	SPACER .. Bolt
19		2	WASHER .. Steel - 1.015 I.D. x 1-3/4 O.D. x .134 in. thick
20		1	WASHER .. Nylon - Large
21		1	WASHER .. Nylon - Small
22		1	SPACER .. Steel - 1.015 I.D. x 2-7/8 O.D. x .0359 in. thick
23		1	PLATE ASSEMBLY .. Cushion support
24	8214895	1	PIN .. Rotating index
25	8178115	1	SPRING .. Rotating index

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CAB SEATS

Ref. No.	Part Number	No. Req.	Description
	8413204	1	SEAT ASSEMBLY .. Cab
26	9417941	1	PIN .. Spring - 1/8 x 3/4 in. long
27	103374	2	PIN .. Cotter - 3/32 x 1 in. long
28	8304200	1	FRAME ASSEMBLY .. Seat cushion
29	8380443	2	BRACKET .. Cushion slide
30	8214901	2	STRAP .. Cushion slide bracket - Formerly 8204901
31	181591	4	BOLT .. Cushion slide bracket mounting - 5/16-24 x 1/2 hex. head
32	103320	4	WASHER .. Lock - 5/16
33	155358	3	SCREW .. Mach. - Bracket and strap mtg. - 1/4-20 x 1 round head - Cross recess
34	155363	1	SCREW .. Mach. - Bracket and strap mtg. - 1/4-20 x 1-1/4 rnd. head - Cross recess
35	103319	4	WASHER .. Lock - 1/4
36	120375	4	NUT .. 1/4-20 hex.
*37			LOCK .. Spring - Seat cushion frame
*38	447813	2	SCREW .. Tapping - Spring lock to frame - 8-32 x 1/2 round head
*39	121841	2	WASHER .. Lock - No. 8
*40	120392	2	WASHER .. Plain - No. 8
41	8304204	1	PIN .. Horizontal adjusting
42	8178115	1	SPRING .. Horizontal adjusting pin
43	103374	1	PIN .. Cotter - 3/32 x 1 in. long
44	8304202	1	CUSHION ASSEMBLY .. Seat - 18 in. dia. x 5-1/4 in. high
45		1	PAD .. Rubber
46		1	COVER .. Leather
47	453832	4	NUT .. Tee - 1/4-20 - Three prong
48	179799	4	BOLT .. Cushion mounting - 1/4-20 x 1-1/4 hex. head
49	103319	4	WASHER .. Lock - 1/4
50	8304201	1	SUPPORT ASSEMBLY... Back
51	8304203	1	CUSHION ASSEMBLY .. Backrest - 14 in. wide x 16 in. high
52		1	PAD .. Rubber
53		1	COVER .. Leather
54	453832	4	NUT .. Tee - 1/4-20 - Three prong
*55	155358	4	SCREW .. Machine - Cushion mounting - 1/4-20 x 1 round head - Cross recess
*56	103319	4	WASHER .. Lock - 1/4
57	179891	6	BOLT .. Seat mounting - 1/2-13 x 2-1/2 hex. head
58	9416517	6	NUT .. Lock - 1/2-13 hex.

Parts List No. C2425-E

CAB ACCESS DOORS

Cab Access Door Assembly

GA18,G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

PLATE C2425-E-1

Ref. No.	Part Number	No. Req.	Description
1	8279843	A	DOOR ASSEMBLY .. Cab access - Left hand - 19-3/4 in. x 63-13/16 in. - Left side rear door - GA18,G18U and G18W Right side front door - G22W,G22CU,G22CW,GL22C,G26CU,G26CW
2	8279844	B	DOOR ASSEMBLY .. Cab access - Right hand - 19-3/4 in. x 63-13/16 in. - Left side front door - G22W,G22CU,GL22C,G26CW Right side rear door - GA18,G18U,G18W,G22W,G22CU,G22CW,GL22CU,G26CU and G26CW
3	8224366	2	HINGE .. Fast pin - 2-7/8 in. x 4 in.
4	8208081	1	GLASS .. 1/4 in. x 13-7/16 in. x 24-13/16 in.
4	8428402	1	GLASS .. 1/4 in. x 13-7/16 in. x 24-13/16 in. - Tinted
5	8489788	1	WEATHERSTRIP .. Glass - Self sealing - 10 ft. long
6	8166637	-	FILLER .. Weatherstrip 100 ft. - Approximately 6 ft. 3 in. req'd. per glass
7	8116908	-	WEATHERSTRIP .. Door to frame - Sponge rubber 5 ft. - Approximately 13 ft. 4-1/2 in. required per door
8	8232575	2	RETAINER .. Weatherstrip - 8 ft. - Undrilled
9	162699	20	SCREW .. Tapping - 10-16 x 1 flat head - Cross recess
*10	8284666	1	BODY .. Lock - Keyed
11	8284665	1	BODY .. Lock - Keyed } See Page 7
12	134342	4	SCREW .. Machine - 1/4-20 x 1-1/4 flat head
13	8154877	1	SPINDLE .. Lock body
14	8154876	1	HANDLE .. Includes escutcheon plate
*15	171260	4	SCREW .. Tapping - Handle to door - 10-24 x 3/4 flat head
*16	8189855	1	THUMBPIECE .. Includes spindle
*17	8189854	1	ESCUTCHEON .. Thumbpiece
*18	171225	2	SCREW .. Tapping - Escutcheon to door - 8-32 x 1/2 flat head
*19	8176988	1	KEEPER .. Door lock
20	8154879	1	KEEPER .. Door lock
21	113997	3	SCREW .. Machine - 1/4-20 x 1-1/2 flat head
22	9416528	3	NUT .. Lock - 1/4-20 hex.
23	179816	6	BOLT .. 5/16-18 x 3/4 hex. head
24	103320	6	WASHER .. Lock - 5/16
*25	8122635	-	RETAINER .. Weatherstrip - Aluminum 16 ft. - Undrilled - Approximately 14 ft. required per door frame
*26	166336	18	SCREW .. Tapping - Retainer to door frame - 10-24 x 1/2 flat head - Cross recess
27	8208060	1	THRESHOLD .. Door
28	171718	5	SCREW .. Tapping - 10-24 x 1/2 pan head
*29	101930	10	SCREW .. Wood - No. 10 x 3/4 flat head
30	8024232	1	BUMPER .. Rubber - Door
31	171599	2	SCREW .. Tapping - 1/4-20 x 1/2 round head
32	8233382	1	GRILL ASSEMBLY .. Door windows
33	8422839	8	SCREW .. Tapping - 1/4-20 x 1 pan head - Grill to door
34	8486947	1	SPACER .. Door bumper - Used with grill assembly
35	9418466	2	SCREW .. Tapping - 1/4-20 x 5/8 pan head - Bumper and spacer to door - Used in place of Ref. 31 when grill assembly is applied

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P.L. No. C2425-E

CAB ACCESS DOORS

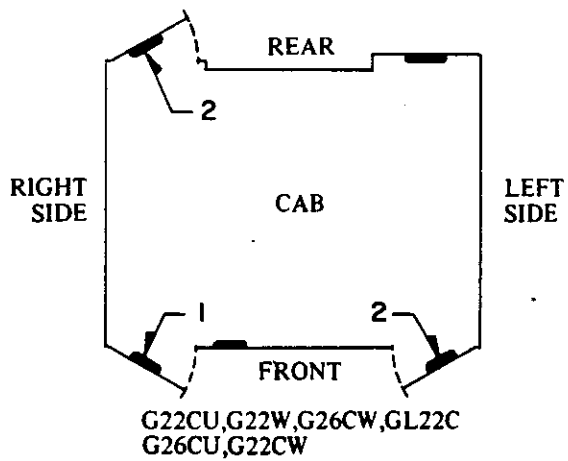
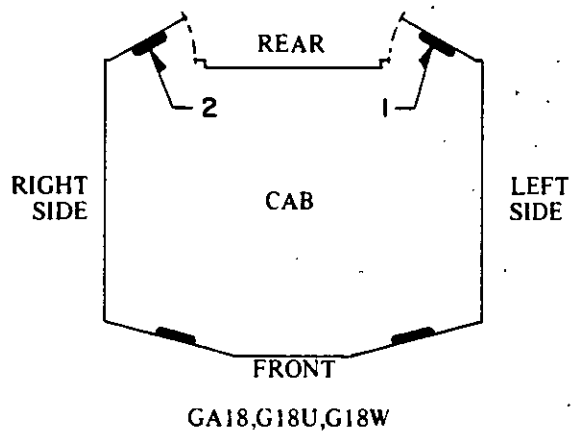
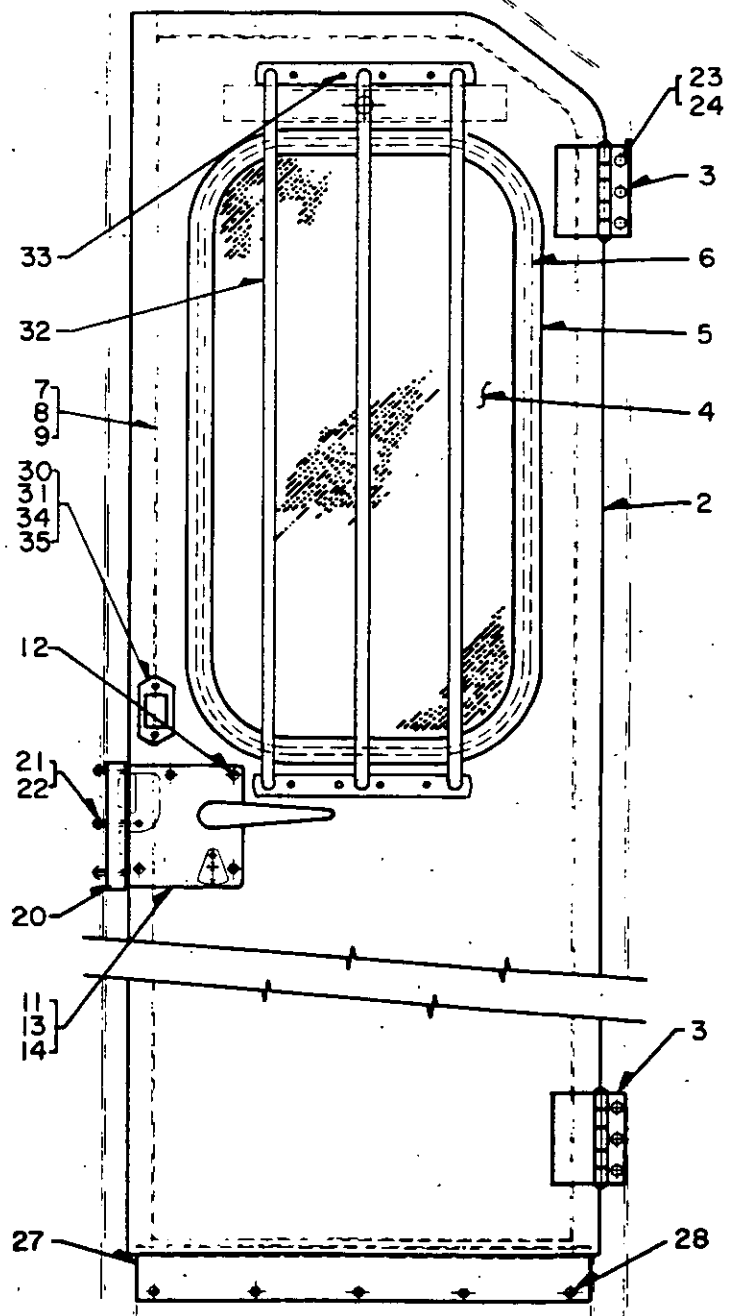
Cab Access Door
Location Chart

PLATE C2425-E-1

CAB ACCESS DOORS

Cab Access Door Assembly

G22CU,G22CW,GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE C2425-E-2

Ref. No.	Part Number	Number Required				Description
1	8470706	A	-	-	-	DOOR ASSEMBLY .. Cab access - Right hand - 68-5/8 in. x 19-3/4 in. Right side rear door - GT22CU,GT22CW,GT26CU-2 & GT26CW-2 locos.
1	8481428	-	B	-	-	DOOR ASSEMBLY .. Cab access - Right hand - 68-5/8 in. x 19-3/4 in. Left side front door - GT22CU,GT22CW,GT26CU-2 & GT26CW-2 locos.
1	8482470	-	-	C	-	DOOR ASSEMBLY .. Cab access - Left hand - 63-13/16 in. x 19-3/4 in. Left side rear door - G22CU and G22CW locomotives
1	8482471	-	-	-	D	DOOR ASSEMBLY .. Cab access - Right hand - 63-13/16 in. x 19-3/4 in. Right side rear door - G22CU and G22CW locomotives
2	8470700	1	-	-	-	STRUCTURE ASSEMBLY .. Cab door
2	8481427	-	1	-	-	STRUCTURE ASSEMBLY .. Cab door
2	8482409	-	-	1	-	STRUCTURE ASSEMBLY .. Cab door
2	8482410	-	-	-	1	STRUCTURE ASSEMBLY .. Cab door
φ 3	8208081	1	1	1	1	GLASS .. Window - 1/4 in. x 13-7/16 x 26-3/16 in.
φ 3	8428402	1	1	1	1	GLASS .. Window - 1/4 in. x 13-7/16 in. x 26-3/16 in. - Tinted
4	8489788	1	1	1	1	WEATHERSTRIP .. Glass - Self-sealing - 10 ft. long
5	8166637	1	1	1	1	FILLER .. Weatherstrip 100 ft. - Approx. 6 ft. 3 in. req. per glass
6	8224366	2	2	2	2	HINGE .. Fast pin - 2-7/8 in. x 4 in.
7	8116908	3	3	3	3	WEATHERSTRIP .. Door to frame - Sponge rubber 5 ft. - Approx. 13 ft. 4-1/2 in. required per door
8	8232575	2	2	2	2	RETAINER .. Weatherstrip - 8 ft. - Undrilled
9	162699	20	20	20	20	SCREW .. Tapping - 10-16 x 1 flat head - Cross recess
10	8284665	1	1	-	1	BODY .. Lock - Keyed
10	8284666	-	-	1	-	BODY .. Lock - Keyed } See Page 7
11	134432	4	4	4	4	SCREW .. Machine - 1/4-20 x 1-1/4 flat head
12	8469779	1	1	-	-	SPINDLE .. Lock body - 1/2 in. x 1/2 in. x 4 in. - For use with low profile handle
12	8154877	-	-	1	1	SPINDLE .. Lock body - 1/2 in. x 1/2 in. x 5-1/2 in.
13	8326926	1	1	-	-	HANDLE .. Includes escutcheon plate - Low profile type
13	8154876	-	-	1	1	HANDLE .. Includes escutcheon plate
*14	120591	4	4	-	-	SCREW .. Machine - Handle to door - No. 10 x 1/2 oval head
*14	171260	-	-	4	4	SCREW .. Tapping - Handle to door - 10-24 x 3/4 flat head
*15	8189855	1	1	1	1	THUMBPIECE .. Includes spindle
*16	8189854	1	1	1	1	ESCUTCHEON .. Thumbpiece
*17	171225	2	2	2	2	SCREW .. Tapping - Escutcheon to door - 8-32 x 1/2 flat head
18	8283463	1	-	-	1	KEEPER .. Door lock
18	8154879	-	1	-	-	KEEPER .. Door lock
18	8283464	-	-	1	-	KEEPER .. Door lock
*19	8284031	A.R.	-	-	A.R.	SHIM .. Keeper - 11 ga.
*19	8283462	A.R.	-	-	A.R.	SHIM .. Keeper - 14 ga.
*19	8197106	-	A.R.	-	-	SHIM .. Keeper - 16 ga.
*19	8197107	-	A.R.	-	-	SHIM .. Keeper - 20 ga.
*19	8283461	A.R.	-	-	A.R.	SHIM .. Keeper - 24 ga.
20	175519	3	-	3	3	SCREW .. Tapping - Keeper to door frame - 1/4-20 x 1-1/4 flat head
20	186990	-	3	-	-	SCREW .. Tapping - Keeper to door frame - 1/4-20 x 1-3/4 flat head
21	8331677	1	-	1	1	PAD .. 11 ga. steel
*22	171758	2	-	2	2	SCREW .. Tapping - Pad to door frame - 1/4-20 x 3/4 pan head
23	8024232	-	-	1	1	BUMPER .. Rubber - Door
24	171599	-	-	2	2	SCREW .. Tapping - 1/4-20 x 1/2 round head
25	179816	6	6	6	6	BOLT .. Hinge to cab frame - 5/16-18 hex. head
26	103320	6	6	6	6	WASHER .. Lock - 5/16
27	8208060	1	1	1	1	THRESHOLD .. Door
28	171718	5	5	5	5	SCREW .. Tapping - 10-24 x 1/2 pan head
*29	101930	10	10	10	10	SCREW .. Wood - No. 10 x 3/4 flat head
*30	8122635	1	1	1	1	RETAINER .. Weatherstrip - Aluminum 16 ft. lg. - Undrilled - Approximately 14 ft. required per door - Inside cab door frame
*31	166336	18	18	18	18	SCREW .. Tapping - Retainer to door frame - 10-24 x 1/2 flat head - Cross recess

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P.L. No. C2425-E

CAB ACCESS DOORS

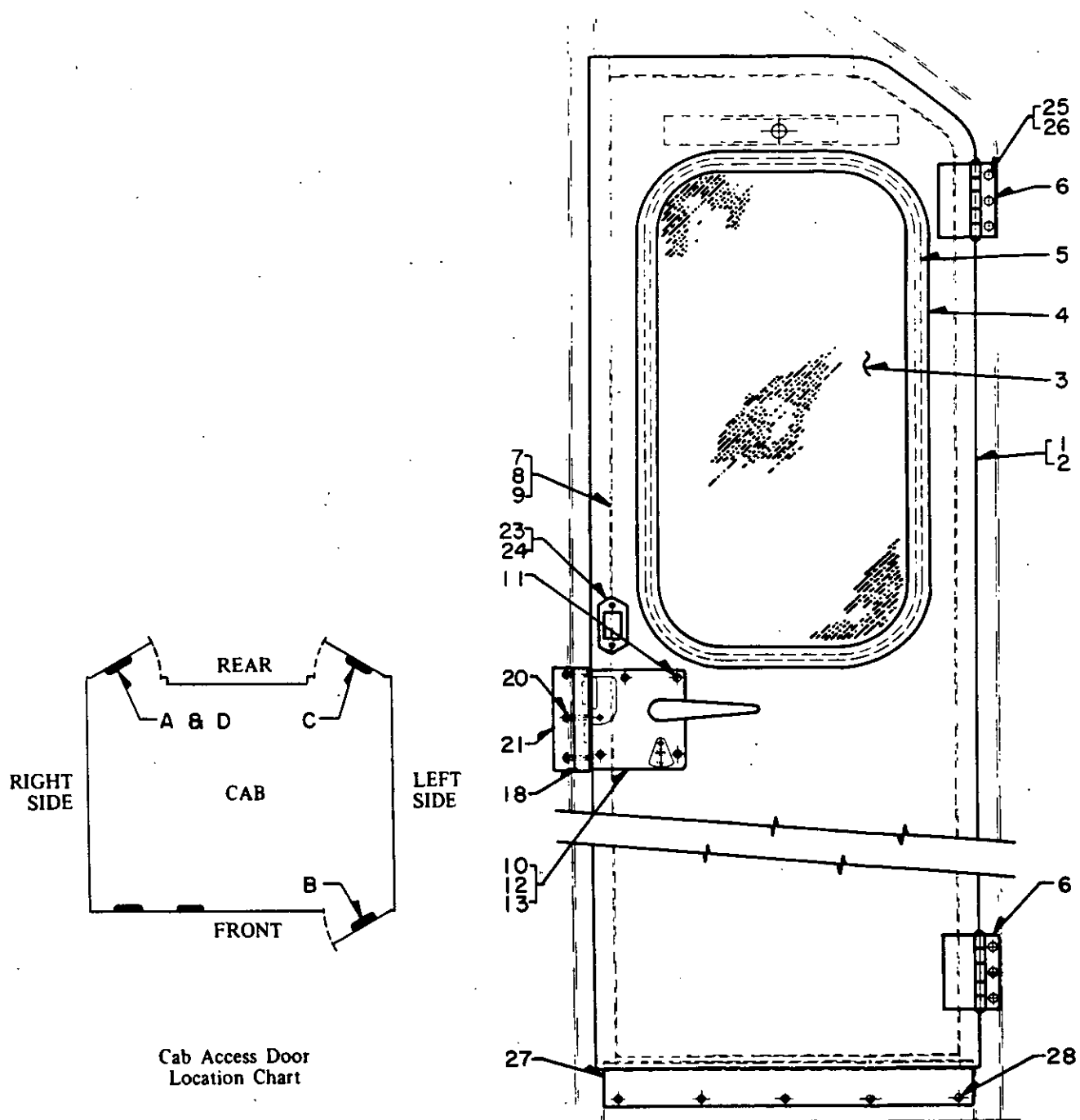


PLATE C2425-E-2

P.L. No. C7425-E

CAB ACCESS DOORS

Cab Access Door Assembly
GT26CW Locomotive

PLATE C2425-E-3

Ref. No.	Part Number	No. Req.	Description
1	8444021	A	DOOR ASSEMBLY .. Cab access - 21-7/8 in. x 67-7/16 in. - Left side front or right side rear - Without provision for window wiper
1	8482241	B	DOOR ASSEMBLY .. Cab access - 21-7/8 in. x 67-7/16 in. - Right side rear - With provision for window wiper
2	8224366	2	HINGE .. Fast pin - 2-7/8 in. x 4 in.
3	8208081	1	GLASS .. 1/4 in. x 13-7/16 x 24-13/16 in.
3	8428402	1	GLASS .. 1/4 in. x 13-7/16 x 24-13/16 in. - Tinted
4	8489788	1	WEATHERSTRIP .. Glass - Self sealing - 10 ft. long
5	8166637	-	FILLER .. Weatherstrip 100 ft. - Approximately 6 ft. 3 in. required per glass
6	8116908	-	WEATHERSTRIP .. Door to frame - Sponge rubber 5 ft. - Approximately 14 ft. 3-3/4 in. required per door
7	8232575	2	RETAINER .. Weatherstrip - 8 ft. - Undrilled
8	162699	22	SCREW .. Tapping - 10-16 x 1 flat head - Cross recess
9	8284665	1	BODY .. Lock - Keyed - See Parts List A2425-E, Page 7
10	134342	4	SCREW .. Machine - 1/4-20 x 1-1/4 flat head
11	8154877	1	SPINDLE .. Lock body
12	8154876	1	HANDLE .. Includes escutcheon plate
*13	171260	4	SCREW .. Tapping - Handle to door - 10-24 x 3/4 flat head
*14	8189855	1	THUMB PIECE .. Includes spindle
*15	8189854	1	ESCUTCHEON .. Thumb piece
*16	171225	2	SCREW .. Tapping - Escutcheon to door - 8-32 x 1/2 flat head
17	8154879	1	KEEPER .. Door lock - Left side front door
18	8444431	1	ANGLE .. Door lock keeper - Welds to cab
19	113997	3	SCREW .. Machine - 1/4-20 x 1-1/2 flat head
20	9416509	3	NUT .. Lock - 1/4-20 hex.
*21	8283463	1	KEEPER .. Door lock - Right side rear door
*22	8283461	A.R.	SHIM .. Keeper - 24 ga.
*23	8284031	-	SHIM .. Keeper - 11 ga.
*24	171758	2	SCREW .. Tapping - Keeper to door frame - 1/4-20 x 3/4 pan head
*25	175519	3	SCREW .. Tapping - Keeper to door frame - 1/4-20 x 1-1/4 flat head
26	179816	6	BOLT .. 5/16-18 x 3/4 hex. head
27	103320	6	WASHER .. Lock - 5/16
*28	8122635	-	RETAINER .. Weatherstrip - Aluminum 16 ft. - Undrilled - Approximately 13 ft. required per door frame
*29	166336	18	SCREW .. Tapping - Retainer to door frame - 10-24 x 1/2 flat head - Cross recess
30	8444434	1	THRESHOLD .. Door
31	171718	5	SCREW .. Wood - 10-24 x 1/2 pan head
*32	101930	10	SCREW .. Wood - No. 10 x 3/4 flat head
33	8024232	1	BUMPER .. Rubber - Door
34	8455558	1	PAD .. Steel - Bumper mounting
34	8455559	-	CHANNEL .. Bumper mounting
35	113955	2	SCREW .. Machine - 1/4-20 x 1/2 round head
35	171599	-	SCREW .. Tapping - 1/4-20 x 1/2 round head

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P.L. No. C2425-E

CAB ACCESS DOORS

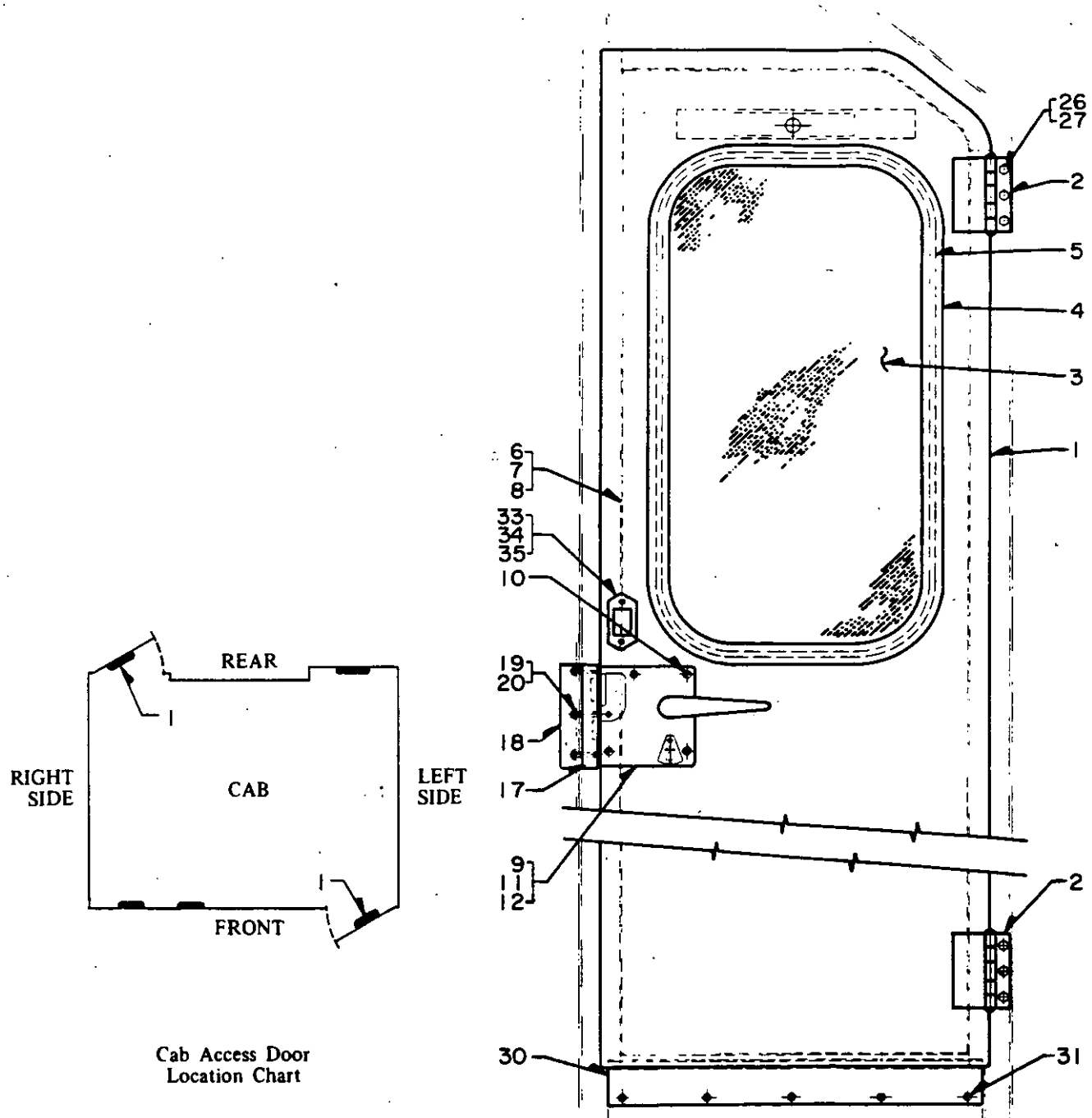


PLATE C2425-E-3

P.L. No. C2425-E

CAB ACCESS DOORS

Access Door Keyed Lock Body Assembly
 GA18,G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
 G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

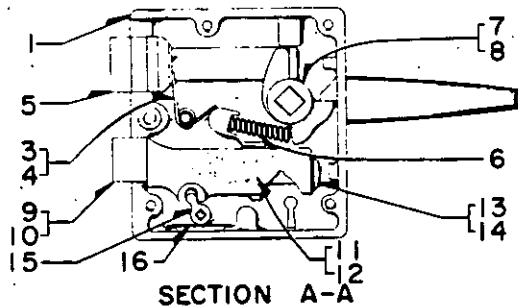
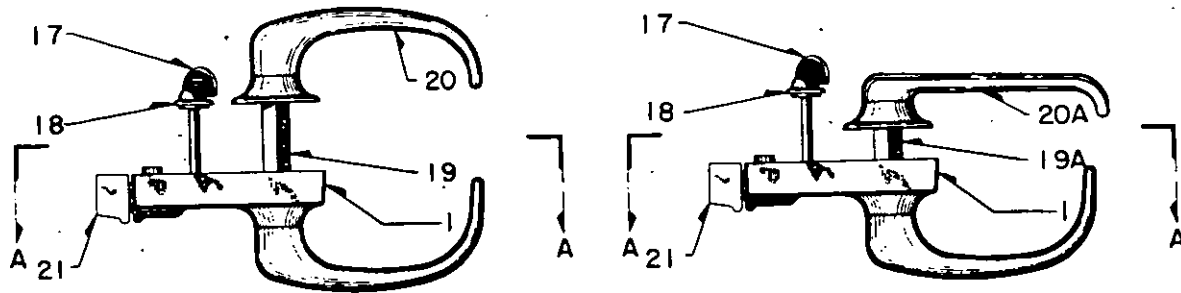


PLATE C2425-E-4

Ref. No.	Part Number	No. Req.	Description

Keyed lock body assemblies for individual railroads are not carried in stock. It is suggested that customer carry a protective inventory of these lock body assemblies as approximately sixty days lead time is required to supply lock body assemblies keyed to individual requirements. One (1) key is furnished with each lock body assembly.

1	8284665	A	-	BODY ASSEMBLY .. Lock - Left hand
* 2	8284666	-	B	BODY ASSEMBLY .. Lock - Right hand
3	8186801	1	-	SPRING .. Latch
4	8186800	-	1	SPRING .. Latch
5	8153911	1	-	LATCH .. Slide
6	8039265	1	1	SPRING .. Tension
7	8095209	1	-	FOLLOWER
8	8095210	-	1	FOLLOWER
9	8284670	1	-	BOLT .. Beveled
10	8284671	-	1	BOLT .. Beveled
11	8284674	1	-	SPRING .. Tumbler
12	8284675	-	1	SPRING .. Tumbler
13	8284672	1	-	TUMBLER
14	8284673	-	1	TUMBLER
15	8193947	1	1	FOLLOWER .. Thumbpiece
16	8116062	1	1	SPRING .. Thumbpiece follower
+17	8189855	1	1	THUMBPIECE .. Includes spindle
+18	8189854	1	-	ESCUTCHEON .. Thumbpiece
φ+19	8154877	1	1	SPINDLE .. Lock body - 1/2 in. x 1/2 in. x 5-1/2 in.
φ+19A	8469779	-	1	SPINDLE .. Lock body - 1/2 in. x 1/2 in. x 4 in. - To be used with handle 8326926
φ+20	8154876	1	1	HANDLE .. Includes escutcheon plate
φ+20A	8326926	-	1	HANDLE .. Includes escutcheon plate - Low profile type
φ+21	8176988	1	-	KEEPER .. Door lock - See Page 1 for application
φ*+21	8154879	-	1	KEEPER .. Door lock - See Page 1 for application
φ*+21	8283463	1	-	KEEPER .. Door lock - See Page 3 for application
φ*+21	8283464	-	1	KEEPER .. Door lock - See Page 3 for application

ELECTRIC WATER COOLER - DRINKING

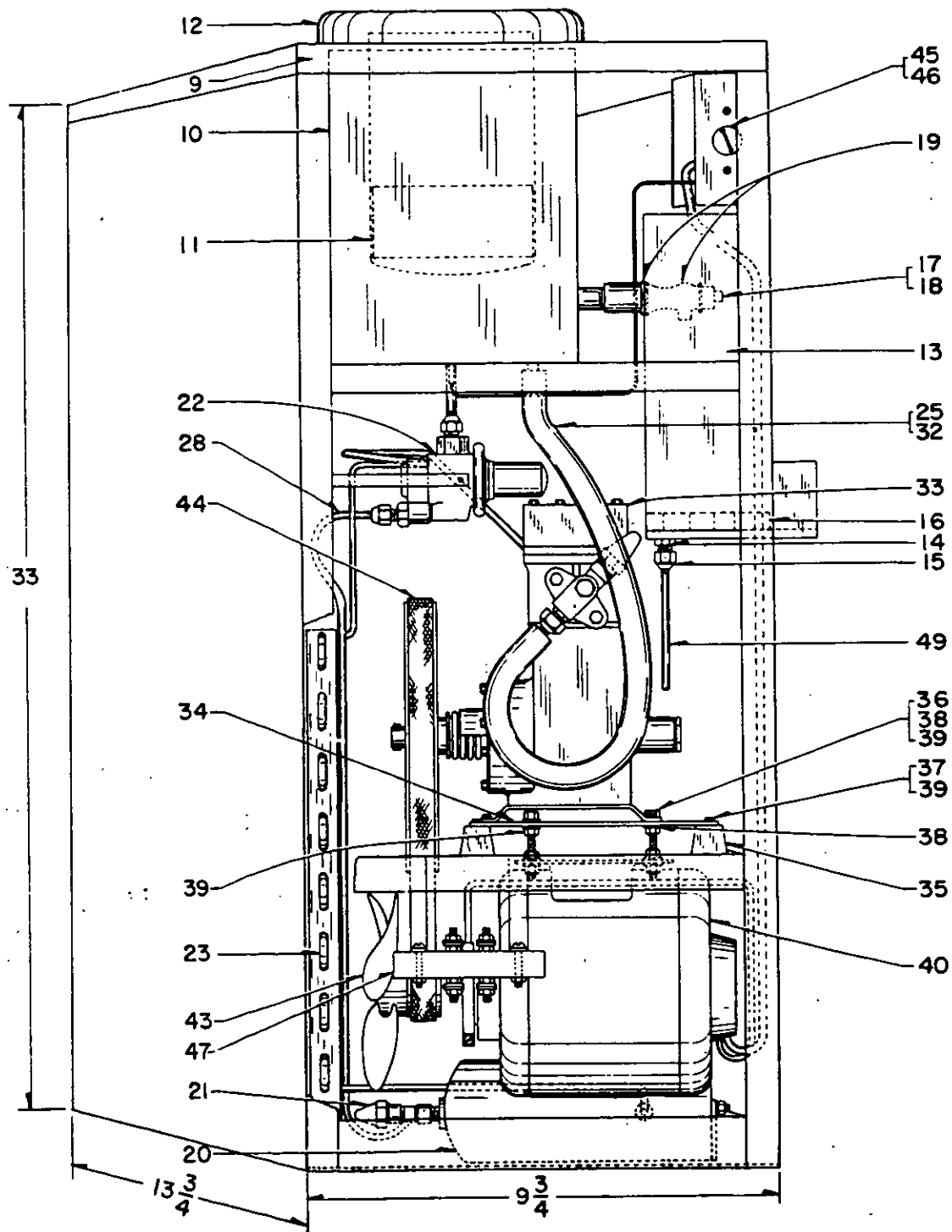
G18W,G22W,GT26CW and GT26CU-2 Locomotives

PLATE A2428-E-1

Ref. No.	Part Number	No. Req.	Description
* 1	8205870	1	COOLER ASSEMBLY .. Water - 1 gallon
* 2	8162130	1	BOTTLE .. Water - 1 gallon
* 3	8163141	1	CLAMP ASSEMBLY .. Bottle mounting
* 4	8239818	1	CATCH ASSEMBLY .. Clamp fastener
* 5	8160257	5	BUMPER .. Rubber
* 6	8160238	2	BOLT .. Expansion - 3/8-16 x 2-1/4 in. long
* 7	180134	2	BOLT .. Clamp mounting - 3/8-16 x 2-1/2 hex. head
8	8204193	1	COOLER ASSEMBLY .. Water - Less bottle and clamp assembly
9	8221539	1	CABINET ASSEMBLY .. Water cooler
10	8238416	1	LOW SIDE ASSEMBLY .. Includes stainless steel well - 3 qt. capacity
11	8238417	1	PLATE .. Baffle - Low side - Polyethylene
12	8238418	1	RING .. Bottle - Polyethylene - 7-1/4 O.D. x 4-1/4 I.D.
13	8160480	1	ALCOVE ASSEMBLY .. Covered recess
14	8316744	1	FITTING .. Alcove drain - Includes seating nut
15	8160190	1	NUT .. Tube - 1/2 in. tube x 3/4-16 F.P.T.
16	8160492	1	TRAY .. Anti splash
17	8160008	1	FAUCET .. Push button
18	8163504	1	WASHER .. Faucet
19	8160189	2	WASHER .. Faucet mounting - 1-1/8 O.D. x 21/32 I.D. x 1/8 in.
20	8471072	1	RECEIVER ASSEMBLY .. Liquid - Replaces 8160371
21	8160191	1	VALVE .. Angle - 1/4 pt.
22	8160098	1	VALVE .. Automatic expansion
23	8160404	1	CONDENSER ASSEMBLY .. Includes coil and vains
*24	8165776	1	TUBE ASSEMBLY .. Discharge line - 24 in. long
25	8165777	1	TUBE ASSEMBLY .. Suction line - 26-3/4 in. long
*26	8116856	A.R.	TUBING .. 3/8 O.D. x .042 wall copper - 25 ft. (50-3/4 in. required)
*27	121758	2	NUT .. Flared tube - 3/8 brass
28	8165778	1	TUBE ASSEMBLY .. Liquid line - 30-1/2 in. long
*29	8165779	1	TUBE ASSEMBLY .. Condenser to receiver - 10 in. long
*30	8116511	A.R.	TUBING .. 1/4 O.D. x .032 wall copper - 50 ft. (40-1/2 in. required)
*31	116542	3	NUT .. Flared tube - 1/4 brass
32	8193509	A.R.	TAPE .. Tube insulating - 26 ft. roll (10 ft. required)
33	8184413	1	COMPRESSOR ASSEMBLY .. Water cooler - See Page 3
34	8202696	1	PLATE .. Compressor mounting
35	8160213	4	MOUNT .. Moulded rubber - Incl. 5/16 x 2-5/8 in. long stud
36	180087	4	BOLT .. Compressor and motor mounting - 5/16-18 x 2 hex. head
37	106261	4	WASHER .. Plain - 5/16
38	112723	16	WASHER .. Lock - 5/16
39	102634	20	NUT .. Machine - 5/16-18 hex.
40	8260381	1	MOTOR ASSEMBLY .. Compressor drive - See Page 4
*41	907503	2	BEARING .. Ball - Front and rear
*42	8317337	2	BRUSH ASSEMBLY .. Motor - 7/8 x 3/8 x 1/4 in.
43	8160536	1	FAN ASSEMBLY .. Motor - Includes pulley
44	8203446	1	BELT .. V - Drive
45	8160342	1	THERMOSTAT .. Motor control
46	8249010	1	KNOB .. Thermostat
47	8176508	1	BLOCK .. Terminal
*48	8230837	1	PLATE ASSEMBLY .. Outside flange base mounting
49	8116730	A.R.	TUBING .. 1/2 O.D. x .042 wall copper - 50 ft. roll
φ*50	8458727	1	BREAKER .. Circuit - Two pole - 15 Amp. - GT26CU-2 locomotives
φ*50	8458698	1	BREAKER .. Circuit - Single pole - 15 Amp. - G18W,G22W and GT26CW locos.
*51	8004695	1	RECEPTACLE .. Flush type - 2 pole female
*52	8075968	1	PLUG .. Cable cord - 2 pole male - Twist lock
*53	8126880	A.R.	CABLE .. 2 conductor - No. 16 AWG. - 25 ft. roll

P. L. No. B2428-E

ELECTRIC WATER COOLER - DRINKING



(Height 42 inches with 1 Gallon Bottle)

Ref. No..8

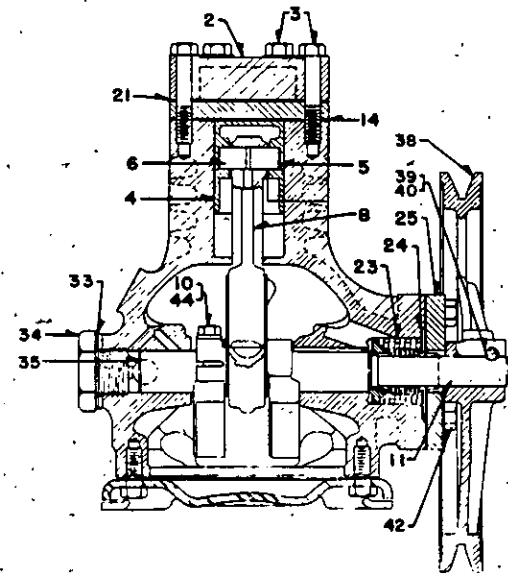
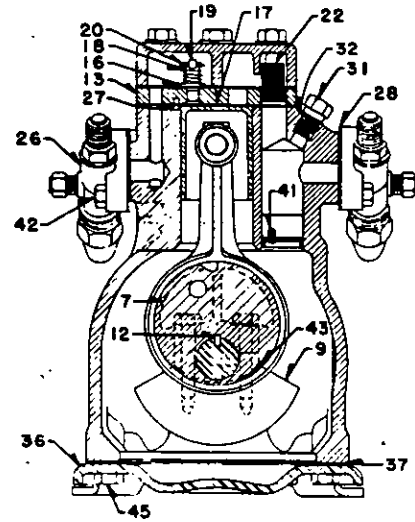
PLATE A2428-E-1

ELECTRIC WATER COOLER - DRINKING

P. L. No. B2428-E

Water Cooler Compressor

Ref. No.	Part Number	No. Req.	Description
1	8184413	1	COMPRESSOR .. Water cooler
2	8184426	1	HEAD .. Cylinder
3	181346	6	BOLT .. 5/16-24 x 1-7/8 Hex.Hd.
4	8184436	1	PISTON .. Compressor
5	8184437	1	WASHER .. Piston pin
6	8184438	1	PIN .. Piston
7	8184439	1	ECCENTRIC
8	8184440	1	ROD .. Connecting
9	8184441	1	COUNTERWEIGHT
10	179803	1	BOLT .. 1/4-20 x 1-3/4 Hex.Hd.
11	8184461	1	CRANKSHAFT
12	103905	1	KEY .. Woodruff - 1/8 x 5/8
13	8184428	1	PLATE ASSEMBLY .. Valve
14	8184430	1	GASKET .. Valve plate
*15	8184431	1	REED .. Discharge valve
16	8184432	1	RETAINER .. Valve
17	8184433	1	LEAF .. Suction valve
18	8184434	2	SPRING .. Valve
19	8184435	2	SCREW .. Valve
20	8113991	2	WASHER .. Valve
21	8184427	1	GASKET .. Head
22	8184457	1	SCREEN .. Suction
23	8184442	1	SEAL ASSEMBLY .. Bellows
24	8184444	1	GASKET .. Retainer
25	8184443	1	PLATE .. Seal retainer
26	8184452	2	VALVE .. Suction and discharge
27	8184458	2	PIN .. Valve
28	8184455	2	GASKET .. Valve
*29	8184433	1	LEAF .. Suction valve
*30	8184430	1	GASKET .. Valve plate
31	8396441	1	BOLT .. Fil.- 7/16-20 x 5/8 Hex.Hd.
32	8184456	1	GASKET .. Filler bolt
33	8184451	1	GASKET .. Bearing
34	8184446	1	BEARING .. Thrust
35	147493	1	BALL .. Thrust bearing
36	8184448	1	PLATE .. Oil pan base
37	8184449	1	GASKET .. Base plate
38	8184447	1	SHEAVE .. Flywheel
39	181320	1	BOLT .. 1/4-28 x 1-5/8 hex. head
40	103024	1	NUT .. Machine - 1/4-20 Hex.
41	8184450	1	VALVE .. Oil check
42	181339	10	BOLT .. 5/16-24 x 1 Hex.Hd.
43	8068098	2	WASHER .. Spacer
44	103319	2	WASHER .. Lock - 1/4
45	181332	10	BOLT .. 5/16-24 x 9/16 Hex.Hd.



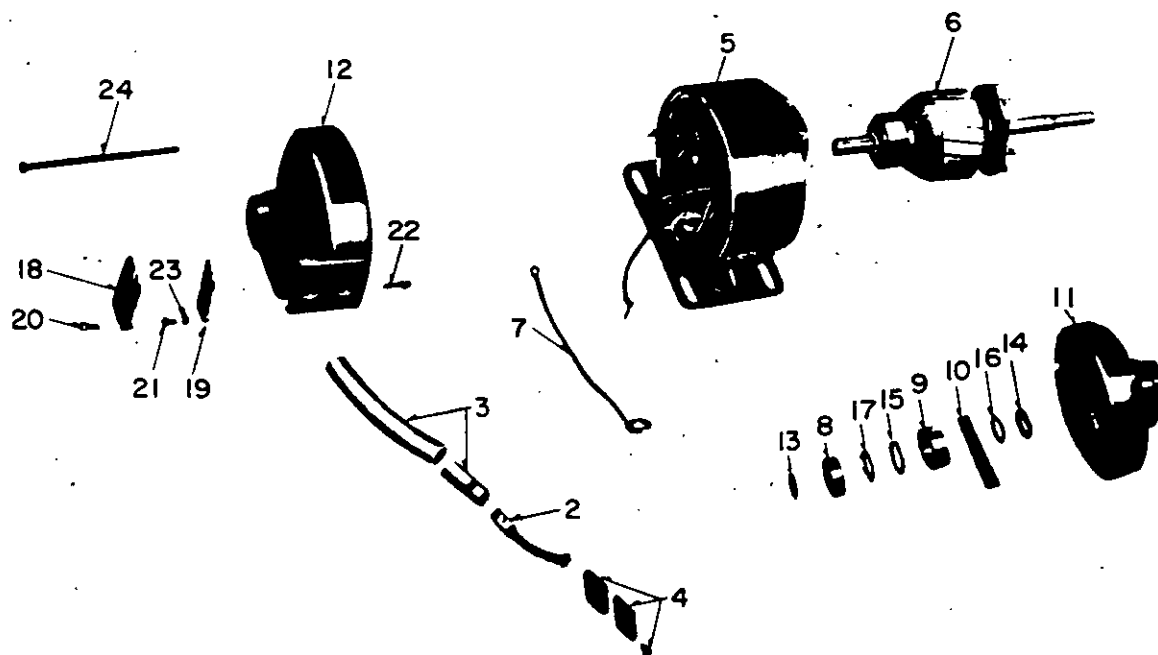
Ref. No. 1

PLATE A2428-E-2

P. L. No. B2428-E

ELECTRIC WATER COOLER - DRINKING

Motor Assembly



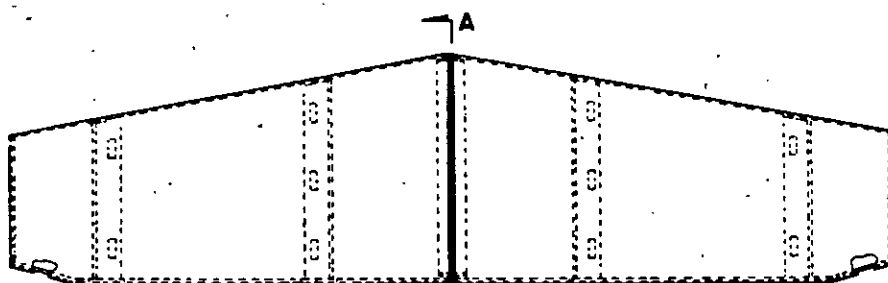
Ref. No. 1
PLATE A2428-E-3

Ref. No.	Part Number	No. Req.	Description
1	8260381	1	MOTOR ASSEMBLY .. Water cooler - 1/4 H.P. - 56/80 Volts
2	8317337	2	BRUSH ASSEMBLY .. Carbon - 7/8 x 3/8 x 1/4 in.
3		2	HOLDER ASSEMBLY .. Brush - Includes insulation tube
4		2	PLATE ASSEMBLY .. Brush holder
5		1	COIL ASSEMBLY .. Field - Includes 2 Main - 1 Interpole coil
6		1	ARMATURE ASSEMBLY .. Includes commutator
7		1	LEAD ASSEMBLY .. Cable - Stator to brush
8	907503	2	BEARING .. Ball
9		2	SLEEVE .. Bearing
10		2	STRIP .. Rubber liner
11		1	SHIELD .. Pulley end
12		1	SHIELD .. Commutator end
13		2	WASHER .. Pull
14		A.R.	WASHER .. Felt
15		A.R.	WASHER .. Shim
16		A.R.	WASHER .. Split steel
17		A.R.	WASHER .. Spring
18		1	COVER .. Conduit box
19		1	PLATE .. Terminal
20		2	SCREW .. Cover mounting
21		2	SCREW .. Terminal plate mounting
22		A.R.	SCREW .. Terminal
23		A.R.	NUT .. Terminal screw
24		4	NUT .. Clamping
*25		4	NUT .. Clamping

Parts List No. B2453-E

PILOTS

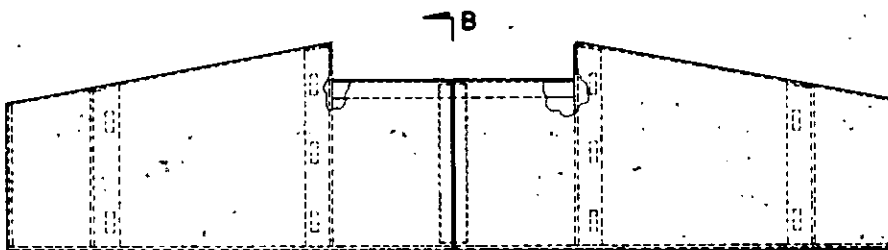
Front or Rear Road Pilots
G18U, G26CW, GT26CW and GT26CW-2 Locomotives



Ref. No. 1



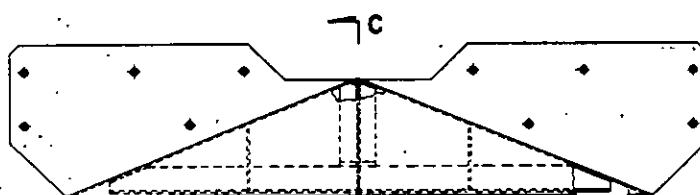
SECTION A-A



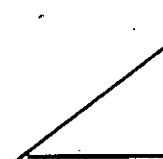
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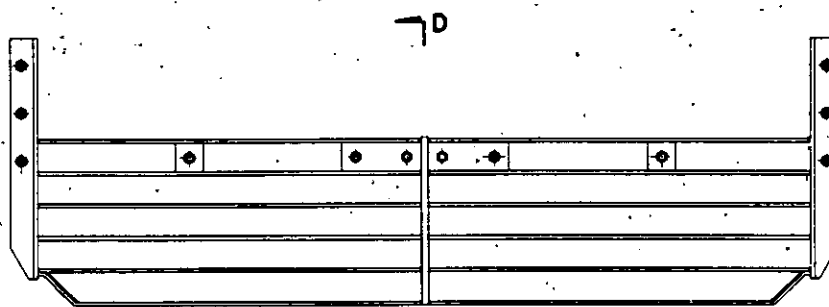
SECTION B-B



Ref. No. 3



SECTION C-C



Ref. No. 4



SECTION D-D

PLATE A2453-E-1

Ref. No.	Part Number	No. Req.	Description	Locomotive Application
1	8474945	1	PILOT ASSEMBLY .. Plate type - 8 ft. long	GT26CW-2
2	8488562	1	PILOT ASSEMBLY .. Adjustable plate type - 8 ft. long	G18U
3	8449952	1	PILOT ASSEMBLY .. Adjustable plate type - 6 ft. 4 in. long	GT26CW, GT26CW-2
4	8219435	1	PILOT ASSEMBLY .. Non-adjustable grill type - Includes mounting bolts - 7 ft. 6-1/2 in. long	G26CW
* 5	9313030	1	PILOT ASY. .. Adjustable plate type - 6 ft. 4 in. lg.	GT26CW-2
† The following items are applicable to Reference Nos. 1 thru 3 and 5 only.				
* 6	218096	10	BOLT .. Pilot mounting - Square neck - 3/4-10 x 2 round head	
* 7	8032748	10	NUT .. Pilot mounting - Lock - 3/4-10 hex.	

24481 27323 28907
24483 33303

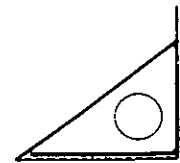
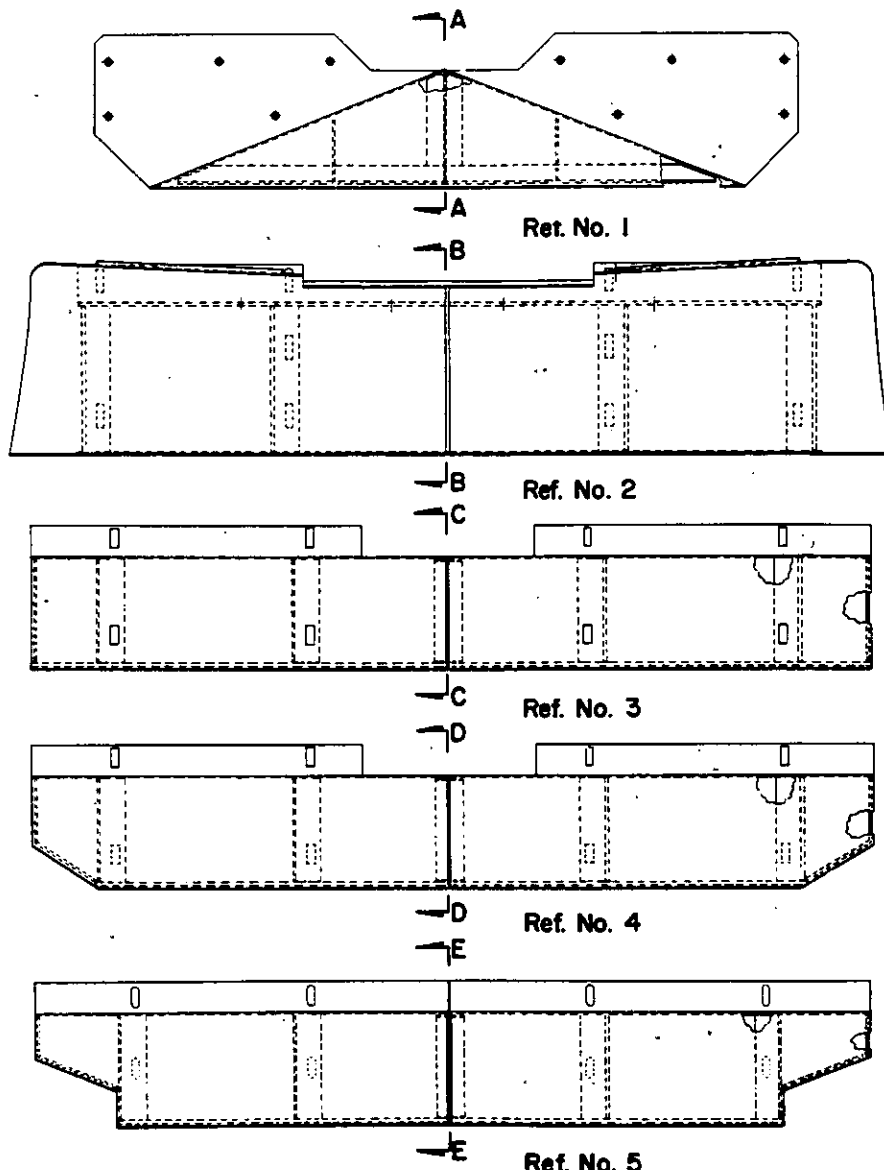
AUGUST, 1980

B2453-E

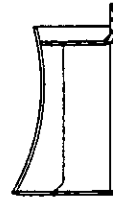
P.L. No. B2453-E

PILOTS

Front or Rear Road Pilots
 G18U, GL18M, G22W, G22CU, G22CW, GL22C, GT22CW,
 G26CU, G26CW, GT26CW and GT26CW-2 Locomotives



SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

Ref. No. 5
 PLATE A2453-E-2

Ref. No.	Part Number	Number Required				Description	Locomotive Application
1	8383326	1	-	-	-	PILOT ASY. .. Plow type - 6 ft. 4 in. lg.	G18U, GT26CW, GT26CW-2
2	8489865	-	1	-	-	PILOT ASY. .. Plow type - 7 ft. 6 in. lg.	G22W, GT26CW
3	8469171	-	-	1	-	PILOT ASY. .. Plate type - Adjustable - 7 ft. 6 in. lg.	G22CU, G22CW, GL22C, GT22CW, G26CU
4	8477985	-	-	-	1	PILOT ASY. .. Plate type - 7 ft. 6 in. lg.	G26CU
5	8486676	-	-	-	1	PILOT ASY. .. Plate type - 7 ft. 5-1/2 in. lg.	G22W, G26CW
* 6	9329001	-	-	-	-	PILOT ASY. .. Plate type - 6 ft. 3 in. lg.	GL18M
7	218095	10	10	-	-	BOLT .. Pilot mtg. - Square neck - 3/4 - 10 x 1-3/4 round head	
8	271611	-	-	8	8	BOLT .. Pilot mtg. - 3/4 - 10 x 2 hex.	
9	271612	-	-	-	2	BOLT .. Pilot mtg. - 3/4 - 10 x 2-1/4 hex. head	
10	103346	10	-	-	12	WASHER .. Pilot mounting - Plain - 3/4 in.	
11	106268	-	-	8	-	WASHER .. Pilot mounting - Plain - 3/4 in.	
12	8032748	10	10	8	12	NUT .. Pilot mounting - Lock - 3/4 in.	
27981	29063	19178	-	-	-		
20983	31635	33650	-	-	-		

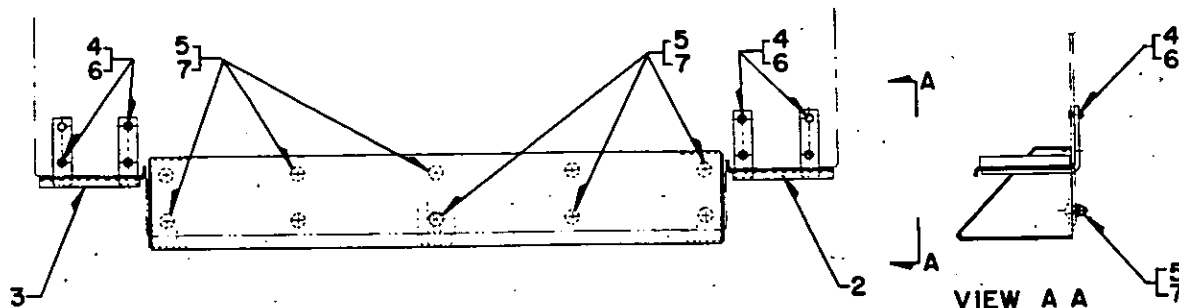
B2453-E

AUGUST, 1980

PILOTS

P.L. No. B2453-E

Front or Rear Road Pilots
G18U and G22CU Locomotives



Ref. No. 1

PLATE A2453-E-3

Ref. No.	Part Number	No. Req.	Description
1	8398888	1	PILOT ASSEMBLY .. Plate type - 5 ft. 3 in. lg. - G18U
2	8398889	1	STEP ASSEMBLY .. Right side - Mounts to end plate
3	8398890	1	STEP ASSEMBLY .. Left side - Mounts to end plate
4	179887	8	BOLT .. Step mounting - 1/2-13 x 1-3/4 hex. head
5	218096	10	BOLT .. Pilot mounting - Square neck - 3/4-10 x 2 round head
6	9416517	8	NUT .. Step mounting - Lock - 1/2-13 hex.
7	8416522	10	NUT .. Pilot mounting - Lock - 3/4-10 hex.

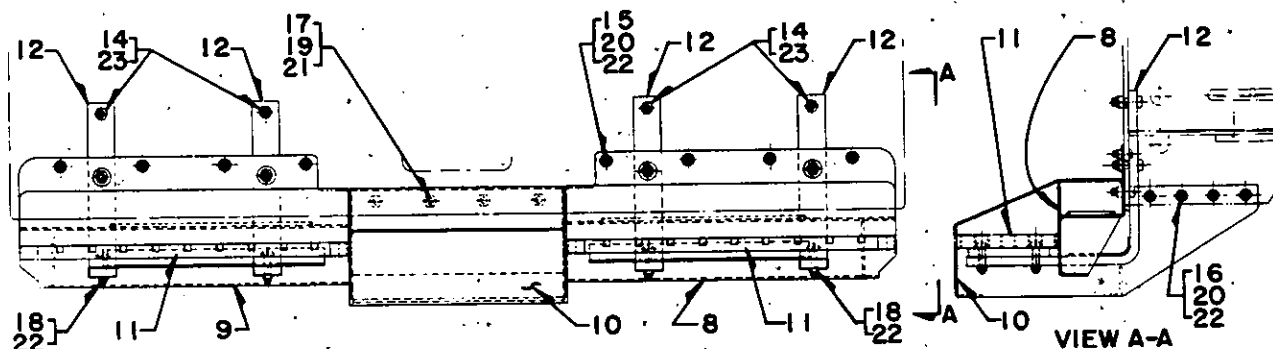


PLATE A2453-E-4

Ref. No.	Part Number	No. Req.	Description
8	8205807	1	PILOT ASSEMBLY .. Right side - Plate type - 36 in. wide
9	8205808	1	PILOT ASSEMBLY .. Left side - Plate type - 36 in. wide
10	8245116	1	PILOT ASSEMBLY .. Center - Plate type - 24 in. wide
11	8163923	2	FOOTBOARD ASSEMBLY .. Front or rear end.
12	8206280	4	HANGER .. Footboard support
*13	8206284	1	HANDHOLD .. Mounts to front or rear end plate - 7 ft. 11-3/4 in. long
14	271659	8	BOLT... 7/8-9 x 2-3/4 hex. head
15	271560	8	BOLT .. 5/8-11 x 1-3/4 hex. head
16	271558	8	BOLT .. 5/8-11 x 1-1/2 hex. head
17	271609	4	BOLT .. 3/4-10 x 1-3/4 hex. head
18	121394	8	BOLT .. 5/8-11 x 3-1/2 in. - Round head
19	103346	4	WASHER .. Plain - 13/16 I.D.
20	103345	16	WASHER .. Plain - 5/8 in.
21	9416522	8	NUT .. 3/4-10 hex. - Metallic
22	442821	24	NUT .. Lock - 5/8-11 hex.
23	271659	8	NUT .. 7/8-9 x 2-3/4 hex. head

} G22CU

18893 20790

AUGUST, 1980

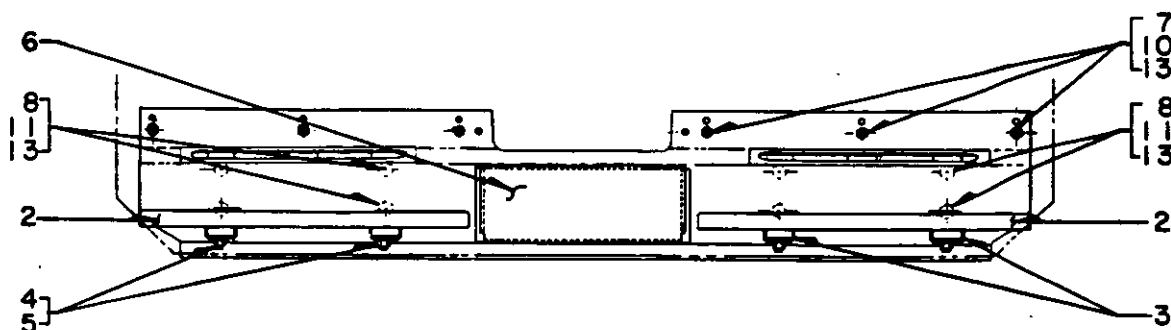
B2453-E

P.L. No. B2453-E

PILOTS

Front or Rear Road Pilot with Center Pilot Application

G18U,G22CW,G26CU and GT26CW Locomotives



Ref. No. 1

PLATE A2453-E-5

Ref. No.	Part Number	No. Req.	Description	
1	8390551	1	PILOT ASSEMBLY .. With footboards - 18 in. high x 97 in. wide x 5-1/4 in. extension	
2	8174738	2	FOOTBOARD ASSEMBLY .. Step - 10-1/4 x 36 in.	
3	8390545	4	BRACKET .. Footboard	
4	271569	8	BOLT .. Footboard to pilot - 5/8-11 x 3-3/4 hex. head	
5	8032747	8	NUT .. Lock - 5/8-11 hex.	
6	8391582	1	PILOT ASSEMBLY .. Center - 24 in. wide	
φ 7	271612	6	BOLT .. Pilot to end plate - 3/4-10 x 2-1/4 hex. head	} Applicable to 3/4 in. thick end plates
φ 8	271660	8	BOLT .. Pilot to end plate - 7/8-9 x 3 hex. head	
*φ 9	271613	4	BOLT .. Handhold mounting - 3/4-10 x 2-1/2 hex. head	} Applicable to 1-1/2 in. thick end plates
φ 10	271615	6	BOLT .. Pilot to end plate - 3/4-10 x 3 hex. head	
φ 11	271663	8	BOLT .. Pilot to end plate - 7/8-9 x 3-3/4 hex. head	
*φ 12	271616	4	BOLT .. Handhold mounting - 3/4-10 x 3-1/4 hex. head	
13	8032749	8	NUT .. Pilot and handhold mounting - Lock 7/8-9 hex.	
*φ 14	8367831	1	HANDHOLD .. End - 8 ft. 6-13/16 in. overall length	
*φ 14	8206284	1	HANDHOLD .. End - 7 ft. 13 in. overall length	

24644,33169,33230

CARBODY

Hood Doors, Manifold, Turbo Hatch, Exhaust Stack, Battery Box Doors, End Side Steps,
Switchman's End Ladder Steps, Walkway Light and U/F Jacking Pads

GT26CW Locomotives

PLATE B2501-E-1

Ref. No.	Part Number	Number Required	Description
LOW SHORT HOOD AIR BRAKE RACK ACCESS DOORS			
1	8443476	2	DOOR ASSEMBLY .. Incl. latches and hinges - 15-1/2 x 33-1/4 in.
2	8443422	2	DOOR ASSEMBLY .. Incl. hinges - 15-1/2 x 33-1/4 in.
3	8205838	4	HINGE .. Door - 1-7/8 x 3 in.
4	8158536	4	LATCH .. Clamp type - See Page 16
5	157125	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
6	120217	16	WASHER .. Lock - No. 10
7	120614	16	NUT .. 10-32 hex.

LONG HOOD RADIATOR AND FAN ACCESS DOORS

		A	-	Applicable to units built prior to Mid - 1971
		-	B	Applicable to units built after Mid - 1971
* 8	8445907	6	-	DOOR ASSEMBLY .. Left and right sides - 23 x 54 in.
9	8455050	-	6	DOOR ASSEMBLY .. Left and right sides - 24-3/16 x 54 in.
10	8455051	-	6	SHEET .. Door - Upper - 16 x 54 in.
11	8455052	-	6	SHEET .. Door - Lower - 8 x 54 in.
*12	8404830	-	24	FILLER .. Door sheet - Welds to door sheet
13	8370414	-	12	HINGE .. Door - 3-1/2 x 4 in.
14	8370413	12	12	HINGE .. Door - 3-7/32 x 4 in.
*15	8158536	12	-	LATCH .. Clamp type - See Page 16
*16	157125	48	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
*17	120217	48	-	WASHER .. Lock - No. 10
*18	120614	48	-	NUT .. 10-32 hex.
19	179838	28	30	BOLT .. Door to structure - 3/8-16 x 7/8 hex. head
20	103321	28	30	WASHER .. Lock - 3/8

LONG HOOD AIR COMPRESSOR ACCESS DOORS

21	8445909	2	-	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right sides - 15 x 54-3/4 in.
22	8445914	-	2	DOOR ASSEMBLY .. Incl. hinges - Left and right side - 15 x 54-3/4 in.
23	8205838	4	4	HINGE .. Door - 1-7/8 x 3 in.
24	8158536	4	-	LATCH .. Clamp type - See Page 16
25	157125	16	-	SCREW .. Machine - 10-32
26	120217	16	-	WASHER .. Lock - No. 10
27	120614	16	-	NUT .. 10-32 hex.

LONG HOOD ACCESSORY RACK AND ALTERNATOR ACCESS DOORS

28	8446308	4	-	DOOR ASSEMBLY .. Incl. hinges - Left and right side - 22 x 66-5/16 in.
29	8446312	-	2	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right side - 22 x 66-5/16 in.
30	8446305	-	4	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right side - 15 x 66-5/16 in.
31	8446314	-	2	DOOR ASSEMBLY .. Incl. hinges - Left and right side - 18 x 66-5/16 in.
32	8205838	8	4	HINGE .. Door - 1-7/8 x 3 in.
33	8158536	-	8	LATCH .. Clamp type - See Page 16
34	157125	-	32	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
35	120217	-	32	WASHER .. Lock - No. 10
36	120614	-	32	NUT .. 10-32 hex.

LONG HOOD ENGINE ACCESS DOORS

37	8446303	8	-	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right side - 16 x 62-7/8 in.
38	8446301	-	8	DOOR ASSEMBLY .. Incl. hinges - Left and right side - 18 x 62-7/8 in.
39	8205838	16	16	HINGE .. Door - 1-7/8 x 3 in.
40	8158536	16	16	LATCH .. Clamp - See Page 16

8489182 8483140 8483256 8483207 23620
8448115 8447956 8447445 25288
8442600 8448208

P.L. No. B2501-E

CARBODY

Ref. No.	Part Number	Number Required	Description
LONG HOOD ENGINE ACCESS DOORS			
-	8446303	-	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right side
-	8446301	-	DOOR ASSEMBLY .. Incl. hinges - Left and right side
41	157125	64	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
42	120217	64	WASHER .. Lock - No. 10
43	120216	64	NUT .. 10-32 hex.

LONG HOOD HATCH DOORS

44	8446369	4	DOOR ASSEMBLY .. 1st. and 4th. from turbo hatch - L. and R. side
45	8446495	2	DOOR ASSEMBLY .. 3rd. on L.S. and 2nd. on R.S. from turbo hatch
46	8446496	2	DOOR ASSEMBLY .. 2nd. on R.S. and 3rd on L.S. from turbo hatch

The following components Ref. Nos. 47 thru 55 are for one door only. Ref. Nos. 44, 45 and 46.

47	8225949	2	HINGE .. Door - 3 x 4 in.
*48	8203089	2	LATCH .. Clamp type - Welds to door - See Page 16
*49	8227548	1	ROD ASSEMBLY .. Door support
*50	8226946	1	BRACKET .. Rod hinge - Welds to door
*51	103340	1	WASHER .. Plain - 11/32 I.D.
*52	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
*53	8225945	1	CLIP .. Rod retaining
*54	110498	1	SCREW .. Machine - 1/4-20 x 1/4 round head
*55	8225944	1	PAD .. Tapping - Welds to door

MANIFOLD, TURBO HATCH AND EXHAUST STACK

		A	-	Applicable to locomotives built prior to late 1972
		-	B	Applicable to locomotives built after early 1973
56	8446546	2	2	HATCH ASSEMBLY .. Manifold
57	8447067	1	-	HATCH ASSEMBLY .. Turbo
58	8483051	-	1	HATCH ASSEMBLY .. Turbo
*59	8133198	A.R.		TAPE .. Press. sensitive with adhesive backing - 1/16 in. x 3/4 in. x 100 ft.
*60	179839	32	32	BOLT .. Manifold hatch to hood - 3/8-16 x 1 hex. head
*61	179841	43	34	BOLT .. Hatch to hood - 3/8-16 x 1-1/4 hex.
*62	103321	75	66	WASHER .. Lock - 3/8 in.
*63	105606	75	66	NUT .. 3/8-16 square - Welds to hood
*64	271554	6	6	BOLT .. 5/8-11 x 1 hex. head
*65	103325	6	6	WASHER .. Lock - 5/8 in.
*66	9420050	-	2	SCREW .. Tapping - 3/8-16 x 1 hex. washer head
*67	9416513	-	7	NUT .. Lock - 3/8-16 hex.
68	8447078	1		STACK ASSEMBLY .. Exhaust - See P.L. 182

COOLING COMPARTMENT AIR INLET SCREENS AND SHUTTERS

69	8474959	3	SCREEN .. Air inlet - L. and R. sides - 39-1/4 x 76-1/4 in. lg.	} Appl. to loco's. built after mid-1973
70	8489181	1	SCREEN .. Air inlet - L.S. - 29-1/4 x 76-1/4 in. lg.	
*71	179837	78	BOLT .. Screen to hood - 3/8-16 x 3/4 hex. hd.	
*72	103321	78	WASHER .. Lock - 3/8 in.	
73	- - - -	-	ROOF SHUTTER ASSEMBLIES - See P.L. 539	
74	- - - -	-	SIDE SHUTTER AND GRILL ASSEMBLIES - See P.L. 539 (Applicable to locomotives built prior to Mid-1973)	

AIR STAIGHTENER GRILLS - (Applicable To Locomotives With No Shutters)

75	8457805	3	GRILL ASSEMBLY .. Air staightener - L.S. rear, R.S. front and rear - 39-1/4 x 81 in.
76	8457806	1	GRILL ASSEMBLY .. Air staightener - L.S. front - 30-3/8 x 81 in.
*77	179835	61	BOLT .. Grill to hood - 3/8-16 x 5/8 hex. head
*78	103321	61	WASHER .. Lock - 3/8

BATTERY BOX DOORS

ø79	8235878	2	-	DOOR ASY. .. Battery box - Left and right sides - 25-7/8 x 36 in.
ø80	8452940	-	2	DOOR ASY. .. Battery box - Left and right sides - 25-7/8 x 36 in.
81	8058895	4	4	HINGE .. Door - 3 x 3-1/2 in.
82	8258905	2	-	HINGE .. Zee line
83	8158536	4	4	LATCH .. Clamp type - See Page 16

CARBODY

Ref. No.	Part Number	Number Required	Description
BATTERY BOX DOORS (Continued)			
-	8235878	-	DOOR ASY. .. Battery box - Left and right sides - 25-7/8 x 36 in.
-	8452940	-	DOOR ASY. .. Battery box - Left and right sides - 25-7/8 x 36 in.
*84	8226266	2	SUPPORT .. Hinge
85	157125	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
86	120217	16	WASHER .. Lock - No. 10
87	120614	16	NUT .. 10-32 hex.
88	179847	8	BOLT .. Support to door - 3/8-16 x 2 hex. head
89	179839	4	BOLT .. 3/8-16 x 1 hex. head
90	103321	4	WASHER .. Lock - 3/8
91	-	-	STORAGE BATTERIES, SHIM BLOCKS, CABLES AND CONNECTORS - See P.L. 9130

LOCOMOTIVE END SIDE STEPS

92	8443150	4	STEP ASSEMBLY .. End side - Left and right side - Front and rear - Welds to end plate and underframe
93	8277377	12	TREAD .. Step - 10 ga. x 1-1/2 x 4 x 10-1/4 in. long
94	8206549	4	TREAD .. Step - 13 ga. x 1 x 2 x 10-1/4 in. long
95	109112	32	BOLT .. Square neck - 3/8-16 x 1 round head
96	106263	32	WASHER .. Plain - 7/16
97	9416513	32	NUT .. Lock - 3/8-16 hex.

SWITCHMAN'S END LADDER STEPS - SPECIAL

φ98	8403789	4	STEP ASSEMBLY .. Switchman's - L. and R. sides - Front and rear - Mounts to side bottom step
φ99	8257635	4	TREAD .. Step - 7-7/8 x 15-1/2 in. long
φ100	8267638	8	SUPPORT .. Step - 1 x 1 x 3/16 angle - 7-1/8 in. long
φ101	8403790	4	BRACKET .. Step - 8-1/8 x 10-1/8 in. - Left side of step
φ102	8403791	4	BRACKET .. Step - 1-1/8 x 10-1/8 in. - Right side of step
φ103	8257636	4	PLATE .. Kick - 5-1/2 x 12-1/4 in. long
φ104	271558	16	BOLT .. 5/8-11 x 1-1/2 hex. head
φ105	9416520	16	NUT .. Lock - 5/8-11 hex.

PLAIN HATCH AND DYNAMIC BRAKE EQUIPMENT

φ*106	8451051	1	HATCH ASY. .. Plain - Welds to inertial filter structure - 71-3/4 in. x 71-3/4 in. x 86-1/2 in.
φ*107	8031891	4	BOLT .. Eye - 1-8 thread
φ*108	9416526	4	NUT .. Lock - 1-8 hex.

φ 109 DYNAMIC BRAKE EQUIPMENT - See P.L. 3107

WALKWAY LIGHT

110	8059665	1	BULLS EYE .. White - Walkway light - Left side rear
*111	8292377	1	FITTING .. Lamp
*112	8316297	1	BRACKET .. Lamp fitting - Welds to underframe
*113	8401558	1	GASKET .. Bracket to lamp fitting
*114	132915	2	SCREW .. Machine - Bracket to lamp fitting - 10-32 x 3/4 rnd. hd.
*115	8035122	2	NUT .. Lock - 10-32 hex.
*116	8080403	1	LAMP .. Medium screw base - 25 Watts - 70 Volts
*117	8332374	1	SOCKET ASSEMBLY .. Lamp
*118	8004613	1	GLOBE .. Clear glass
*119	8296772	1	GUARD .. Globe

UNDERFRAME ASSEMBLY

120	8275554	4	PAD .. Jacking
121	-	-	LOCOMOTIVE PILOTS - See P.L. 2453
122	-	-	COUPLER AND DRAFT GEAR - See P.L. 2718
123	-	-	INERTIAL AIR COMPARTMENT EQUIPMENT - See P.L. 1045
124	-	-	ELECTRICAL CONTROL CABINET - See P.L. 3243

P.L. No. B2501-E

CARBODY

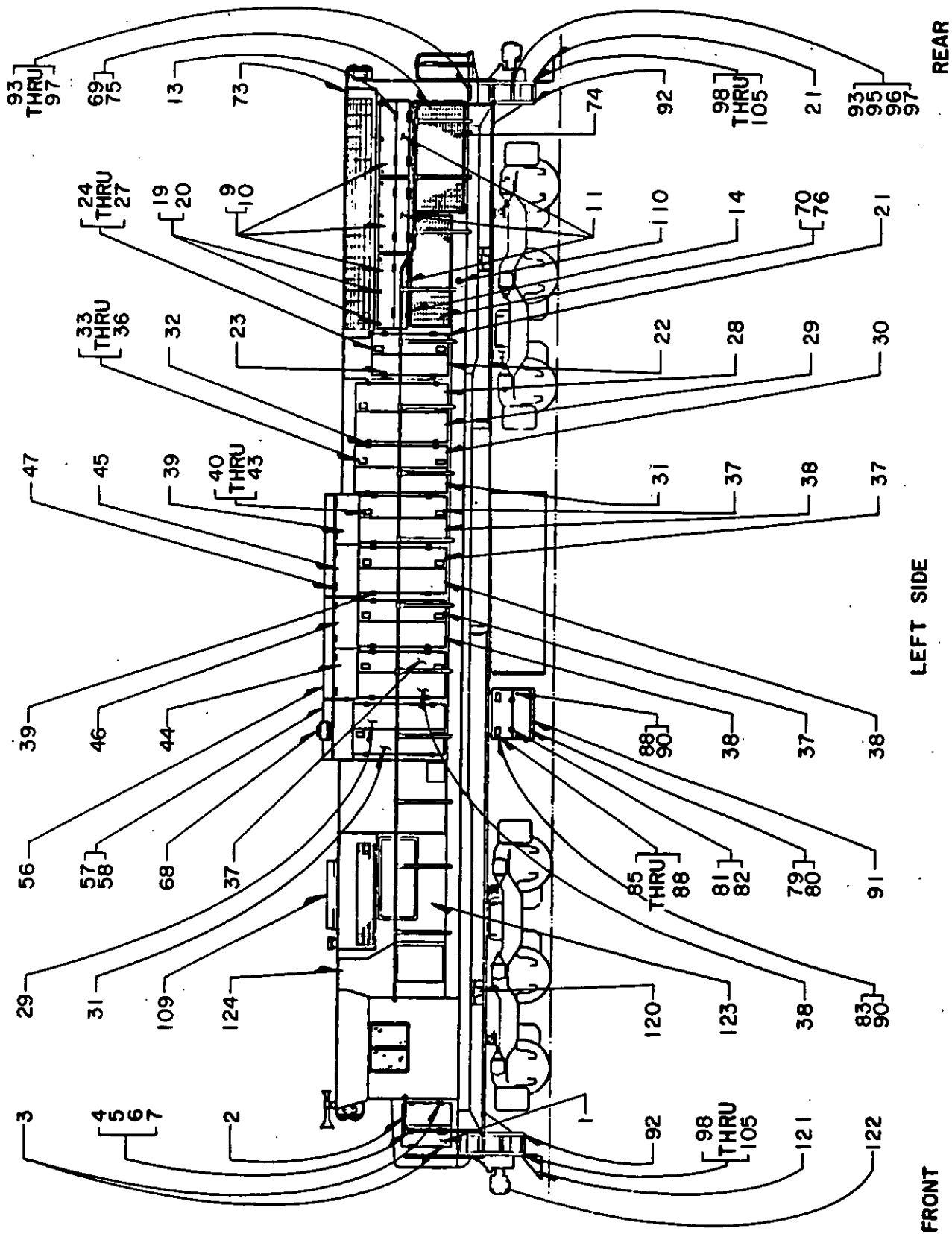


PLATE B2501-E-1

CARBODY

P.L. No. B2501-E

Hood Doors, Manifold and Turbo Hatch, Exhaust Stack, Battery Box Doors, Grab Irons,
End Side Steps, U/F Jacking Pads, Flag and Marker Light Brackets

GT26CW-2 Locomotives

PLATE B2501-E-2

Ref. No.	Part Number	Number Required		Description
SHORT HOOD AIR BRAKE RACK ACCESS DOORS				
1	8443476	2	-	DOOR ASY. ... Incl. latches and hinges - 1st. L. and R. side - 15-1/2 x 33-1/4 in.
2	8443422	-	2	DOOR ASY. ... Incl. hinges - 2nd. L. and R. side - 15-1/2 x 33-1/4 in.
3	8203858	4	4	HINGE .. Door - 1-7/8 x 3 in.
4	8158536	4	-	LATCH ASSEMBLY .. Door - See Page 16
5	157125	16	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
6	120217	16	-	WASHER .. Lock - No. 10
7	120614	16	-	NUT .. 10-32 hex.
LONG HOOD RADIATOR AND FAN ACCESS DOORS				
8	8455050	4	-	DOOR ASY. ... Incl. hinges - 24-3/16 x 54 in.
9	8455051	4	-	SHEET .. Door - Upper - 16 x 54 in.
10	8455052	4	-	SHEET .. Door - Lower - 8 x 54 in.
11	8404830	4	-	FILLER .. Door sheet - Welds to door sheet
12	8455055	4	-	ANGLE .. Stiffener - 1/8 x 1-1/2 x 2 x 52-1/2 in. - Welds to lower door sheet
13	8370414	8	-	HINGE .. Door - 3-1/2 x 4 in.
14	8370413	8	-	HINGE .. Door - 3-7/32 x 4 in.
15	179839	20	-	BOLT .. Door to structure - 3/8-16 x 1 hex. head
16	103321	20	-	WASHER .. Lock - 3/8
LONG HOOD END FAN AND SANDER CONTROL VALVE ACCESS DOOR				
17	8471865	1	-	DOOR ASY. ... Incl. latch and hinges - 21-1/4 x 21-1/4 in.
*18	8425522	2	-	HINGE .. Door - 1-3/4 in. x 2-1/2 in.
*19	8158536	1	-	LATCH ASSEMBLY .. Door - See Page 16
*20	157125	4	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
*21	8035122	4	-	NUT .. Lock - 10-32 hex.
LONG HOOD AIR COMPRESSOR ACCESS DOORS				
22	8471225	2	-	DOOR ASY. ... Incl. latches and hinges - L. and R. side - 18 x 62-7/8 in.
23	8472114	-	1	DOOR ASY. ... Incl. hinges - L.S. - 18-5/8 x 62-7/8 in.
*24	8446301	-	1	DOOR ASY. ... Incl. hinges - R.S. - 18-5/8 x 62-7/8 in.
25	8205838	4	2	HINGE .. Door - 1-7/8 x 3 in.
26	8184316	-	2	HINGE .. Door - 2 x 3 in.
27	8158536	4	-	LATCH ASSEMBLY .. Door - See Page 16
28	157125	16	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
29	8035122	16	-	NUT .. Lock - 10-32 hex.
LONG HOOD ALTERNATOR, ENGINE AND ACCESSORY RACK ACCESS DOORS				
30	8458274	3	-	DOOR ASY. ... Incl. latches and hinges - 2nd. on L.S. - 2nd. and 14th. on right side - 18 x 56 in.
31	8458245	-	9	DOOR ASY. ... Incl. latches and hinges - 4th., 6th., 8th. & 10th. on left side - 4th, 6th, 8th, 10th & 12th on R.S. - 15 x 56 in.
32	8446303	-	1	DOOR ASY. ... Incl. latches and hinges - 12th on L.S. - 15 x 62-7/8 in.
33	8458381	-	1	DOOR ASY. ... Incl. latches and hinges - 14th on L.S. - 18 x 62-7/8 in.
34	8205838	6	18	HINGE .. Door - 1-7/8 x 3 in.
35	8158536	6	18	LATCH ASSEMBLY .. Door - See Page 16
36	157125	24	72	SCREW .. Machine - 10-32 x 5/8 oval hd. - Cross recess
37	8035122	24	72	NUT .. Lock - 10-32 hex.
38	8458147	11	-	DOOR ASY. ... Incl. hinges - 1st, 3rd, 5th, 7th & 9th on L.S. - 1st, 3rd, 5th, 7th, 9th and 13th on R.S. - 18-5/8 x 56 in.
39	8458307	-	1	DOOR ASY. ... Incl. hinges - 11th on L.S. - 18-5/8 x 62-7/8 in.
40	8446301	-	1	DOOR ASY. ... Incl. hinges - 13th on L.S. - 18-5/8 x 62-7/8 in.
*41	8458309	-	1	DOOR ASY. ... Incl. hinges - 11th on R.S. - 18-5/8 x 56 in.
42	8205838	22	2	HINGE .. Door - 1-7/8 x 3 in.

8443505 8475492 27283 8471404, 30700
27556 27280 27323 27266 8475390

P.L. No. B2501-E

CARBODY

Ref. No.	Part Number	No. Req.	Description
LONG HOOD HATCH DOORS			
43	8457941	4	DOOR ASSEMBLY .. Hatch - 1st and 4th left and right side
44	8457955	2	DOOR ASSEMBLY .. Hatch - 2nd on left side and 3rd on right side
45	8457954	2	DOOR ASSEMBLY .. Hatch - 3rd on left side and 2nd on right side

The following components Ref. Nos. 46 thru 53 are for one (1) door only Ref. Nos. 43,44 and 45.

46	8225949	2	HINGE .. Door - 3 x 4 in.
47	8203089	2	LATCH ASSEMBLY .. Door - Welds to door - See Page 17
48	8227548	1	ROD ASSEMBLY .. Door support
49	103340	1	WASHER .. Plain - 11/32 I.D.
50	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
51	8225945	1	CLIP .. Spring - Door support rod
52	110499	2	SCREW .. Machine - Clip to door - 10-24 x 3/8 round head
53	120217	2	WASHER .. Lock - No. 10

LONG HOOD MANIFOLD HATCH, TURBO HATCH AND EXHAUST STACK

54	8454628	2	-	HATCH ASSEMBLY .. Manifold
55	8471717	-	1	HATCH ASSEMBLY .. Turbo
*56	8133198	A.R.		TAPE .. Press. sensitive with adhes. backing-1/16 in. x 3/4 in. x 100 ft.
				Manifold hatch to hood - 20 ft. required per hatch
				Turbo hatch to hood - 15 ft. 6 in. required
*57	179839	32	-	BOLT .. Hatch to hood - 3/8-16 x 1 hex. head
*58	179841	16	26	BOLT .. Hatch to hood - 3/8-16 x 1-1/4 hex. head
*59	103321	48	26	WASHER .. Lock - 3/8
*60	105606	48	26	NUT .. 3/8-16 hex. - Weld to hood
*61	9420050	-	4	SCREW .. Tapping - Hatch to hood - 3/8-16 x 1 hex. washer head
*62	8132009	-	7	STUD .. Welding - Hatch to hood - 3/8-16 thread - Welds to hood
*63	9416513	-	7	NUT .. Lock - 3/8-16 hex.
*64	271554	4	2	BOLT .. 5/8-11 x 1-1/4 hex. head
*65	103325	4		WASHER .. Lock - 5/8
66	8471400	1		STACK ASSEMBLY .. Exhaust - See P.L. 182

BATTERY BOX DOORS

667	8451313	2	-	DOOR ASY. .. Battery box - L and R. side - 25-7/8 x 36 in.
668	8452940	-	2	DOOR ASY. .. Battery box - L. and R. side - 25-7/8 x 36 in.
69	8058895	4	4	HINGE .. Door - 3 x 3-1/2 in.
70	8158536	4	4	LATCH ASY. .. Door - See Page 16
71	8226266	-	2	SUPPORT .. Door - Welds to lower door panel
72	8224414	10	10	CLIP .. Door - Welds to lower door panel
*73	8203058	-	2	ANGLE .. Door stiffener - Welds to lower door panel
74	8158081	2	-	ANGLE .. Door stiffener - Welds to lower door panel
*75	8452938	-	2	CHANNEL .. Door stiffener - Welds to lower door panel
*76	8451311	4	-	ANGLE .. Door - Welds to upper door panel
77	8451312	2	-	ANGLE .. Door - Welds to upper and lower door panels
78	157125	16	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
79	120217	16	16	WASHER .. Lock - No. 10
80	120614	16	16	NUT .. 10-32 hex.
81	179847	8	8	BOLT .. Door to battery box structure - 3/8-16 x 2 hex. head
82	103321	8	8	WASHER .. Lock - 3/8
83	8145334	4	4	NUT .. Lock - 3/8-16 flanged
84	- - - -	-	-	STORAGE BATTERIES, SHIM BLOCK, CABLES AND CONNECTORS - See P.L. 9130

COOLING COMPARTMENT AIR INLET SCREENS AND ROOF SHUTTERS

85	8474959	4	SCREEN ASSEMBLY .. Air inlet
*86	179839	80	BOLT .. Screen to hood - 3/8-16 x 1 hex. head
*87	103321	80	WASHER .. Lock - 3/8
88	- - - -	-	ROOF SHUTTER ASSEMBLIES - See P.L. 539

LONG HOOD GRAB IRONS

89	8331927	6	GRAB IRON .. Hood ladder
90	179885	3	BOLT .. 1/2-13 x 1-1/2 hex. head
91	8032745	12	NUT .. Lock - 1/2-13 hex.
92	8472995	A.R.	SHIM .. "U" shaped - 2 x 2 x 12 ga.

P.L. No. B2501-E

CARBODY

Ref. No.	Part Number	No. Req.	Description
LOCOMOTIVE END SIDE STEPS			
93	8277375	4	STEP ASSEMBLY .. End side - Left and right side - Front and rear - Welds to end plate and underframe
94	8277377	12	TREAD .. Step - 10 ga. x 1-1/2 x 4 x 10-1/4 in.
95	8206549	4	TREAD .. Step - 13 ga. x 1 x 2 x 10-1/4 in.
96	109112	32	BOLT .. Square neck - Tread to step and underframe - 3/8-16 x 1 round head
97	106263	32	WASHER .. Plain - 7/16 I.D.
98	8032743	32	NUT .. Lock - 3/8-16 hex.
PLAIN HATCH AND DYNAMIC BRAKE EQUIPMENT			
+*99	8473358	1	HATCH ASSEMBLY .. Plain
+*100	8031891	4	BOLT .. Eye - 1-8 x 2 in.
+*101	9416526	4	NUT .. Lock
+*102	8451597	1	PAD .. Mounting - 2 x 5-3/4 x 12 ga.
+*103	8451598	1	PAD .. Mounting - 1 x 5-3/4 x 12 ga.
+*104	8453677	2	PAD .. Mounting - 1-1/2 x 4-3/4 x 12 ga.
φ105	- - - -	-	DYNAMIC BRAKE EQUIPMENT - See P.L. 3107
UNDERFRAME ASSEMBLY			
106	8179065	4	PAD .. Jacking - 5-5/8 x 9-1/4 in.
107	8226850	4	PAD .. Jacking - 4 x 3-5/8 - Curved
FLAG AND MARKER LIGHT BRACKETS - SPECIAL			
φ*108	8100724	4	BRACKET .. Lamp and flag - Both sides long hood and cab ends
φ*109	8130954	2	BRACKET .. Lamp and flag - Long hood end - 1/4 x 3-1/2 x 4-3/8 in.
φ*110	8314295	2	CHANNEL .. Lamp and flag - Cab end - "U" shaped - 3/16 x 2-1/4 x 4-1/2
φ*111	113914	8	SCREW .. Lamp and flag bracket mounting - 5/16-18 x 1 flat head
φ*112	8035131	8	NUT .. Lamp and flag bracket mounting - 5/16-18 self locking
113	- - - -	-	LOCOMOTIVE PILOTS - See P.L. 2453
114	- - - -	-	COUPLER AND DRAFT GEAR - See P.L. 2718
115	- - - -	-	INERTIAL AIR COMPARTMENT EQUIPMENT - See P.L. 1045
116	- - - -	-	ELECTRICAL CONTROL CABINET - See P.L. 3243

+ Applicable to locomotives not equipped with dynamic brake.

P.L. No. B2501-E

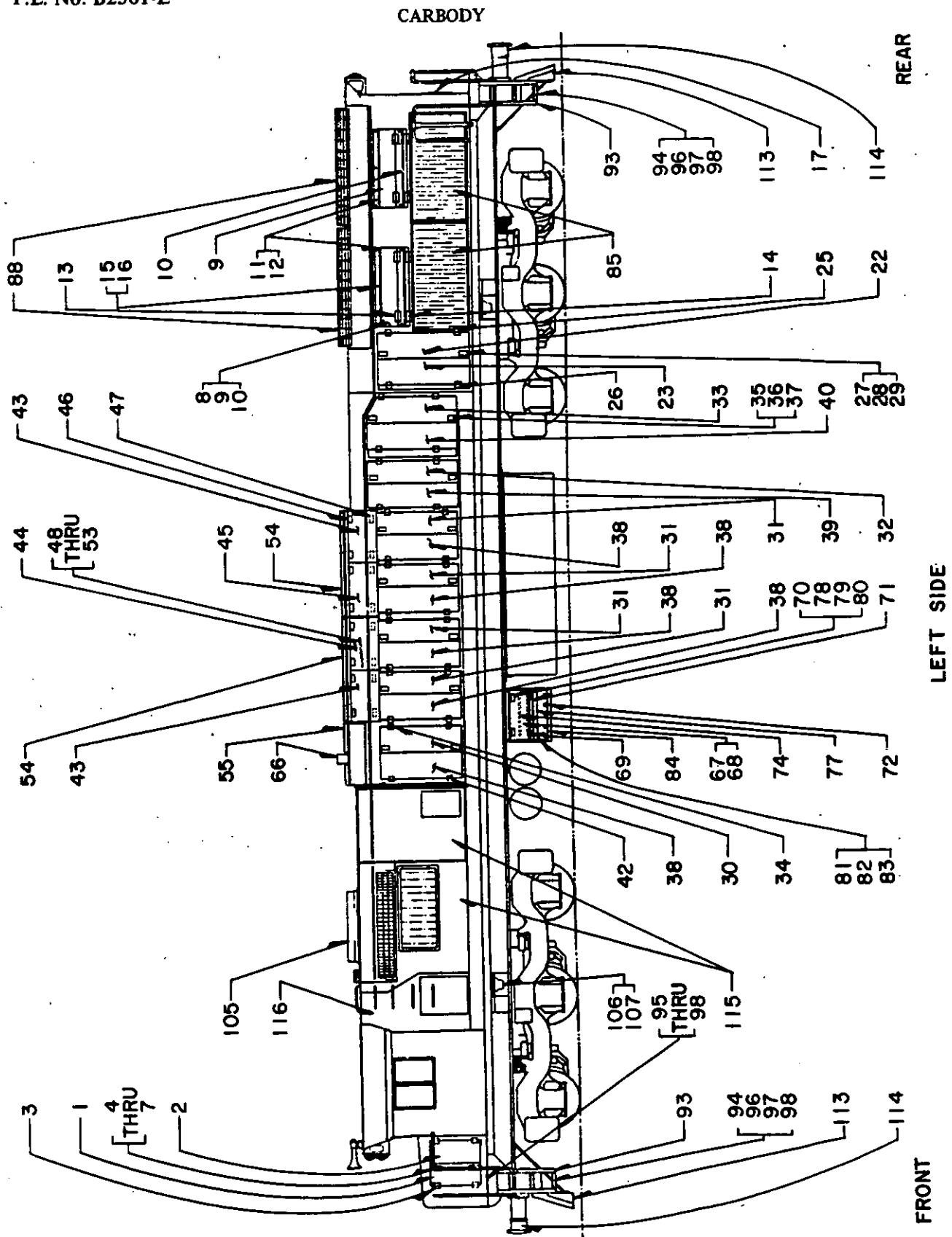


PLATE B2501-E-2

CARBODY

Hood, Doors, Engine Filter Hatch, Manifold Cover Sheet, Handholds, Grab Irons
and End Side Steps

G22CU Locomotives
PLATE B2501-E-3

Ref. No.	Part Number	Number Required	Description
LOW SHORT HOOD BATTERY ACCESS DOOR			
1	8363989	2	DOOR ASSEMBLY .. Battery access - Left and right side
2	8363987	2	SHEET .. Door - Lower
* 3	8180096	4	ANGLE .. Door stop - Welds to lower door sheet
4	8363988	2	PANEL .. Door - Louvered - Upper
5	8042265	4	HINGE .. Door - 3 x 3 in.
6	8158536	4	LATCH ASSEMBLY .. Door - See Page 16
7	157125	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
8	120217	16	WASHER .. Lock - No. 10
9	120614	16	NUT .. 10-32 hex.
*10	-	A.R.	PAINT .. Asphalt 8122180 .. 1 gallon can. 8075824 .. 5 gallon can
11	9420050	12	SCREW .. Tapping - Door to hood - 3/8-16 x 1 hex. washer head
12	-	-	BATTERIES, SHIM BLOCKS, CABLES AND CONNECTORS - See P.L. 9130
LONG HOOD LOUVERED AIR FILTER ACCESS DOORS - 22-1/4 x 59-3/8 in.			
13	8383635	1	DOOR ASSEMBLY .. Louvered - Incl. hinges and latches - 1st rear of cab - Left side - One (1) air filter element
*14	8383636	1	DOOR ASSEMBLY .. Louvered - Incl. hinges and latches - 1st rear of cab - Right side - One (1) air filter element
15	8384301	3	DOOR ASSEMBLY .. Louvered - Incl. hinges and latches - 3rd and 5th rear of cab - Left side - 4th rear of cab right side - Two (2) air filter elements
*16	8398185	1	DOOR ASSEMBLY .. Louvered - Incl. hinges and latches - 3rd rear of cab - Right side - Two (2) air filter elements
17	8384302	3	DOOR ASSEMBLY .. Louvered - Includes hinges - 2nd and 4th rear of cab - Left side - 5th rear of cab - Right side - Two (2) air filter elements
*18	8398210	1	DOOR ASSEMBLY .. Louvered - Includes hinges - 2nd rear of cab - Right side - Two (2) air filter elements

The following components Ref. Nos. 19 thru 28 are for one (1) door only Ref. Nos. 13 thru 18.

19	8205838	2	2	HINGE .. Door 1-7/8 x 3 in.
20	8158536	2	-	LATCH ASSEMBLY .. Door - See 16
21	157125	8	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
22	120217	8	-	WASHER .. Lock - No. 10
23	120614	8	-	NUT .. 10-32 hex.
*24	8121925	1	1	SPRING .. Tension - Air filter element
*25	8123101	1	1	RETAINER .. Spring
*26	113991	2	2	SCREW .. Machine - 1/4-20 x 3/4 flat head
*27	103319	2	2	WASHER .. Lock - 1/4
*28	109084	2	2	NUT .. 1/4-20 hex.
29	8118216	18	18	ELEMENT .. Air filter - Impingement - 2-1/8 x 19-1/2 x 19-1/2 in.

LONG HOOD PLAIN ACCESS DOORS

30	8205826	12	-	DOOR ASSEMBLY .. Plain - Includes hinges and latches - 6th, 8th, 10th, 12th, 14th and 16th rear of cab left side, 6th, 8th, 10th, 12th, 14th and 15th rear of cab right side - 15 x 59-3/8 in.
31	8205824	-	8	DOOR ASSEMBLY .. Plain - Includes hinges - 7th, 9th, 11th and 15th rear of cab left side, 7th, 9th, 11th and 16th rear of cab right side - 18 x 59-3/8 in.
32	8375605	-	2	DOOR ASSEMBLY .. Plain - Includes hinges - 13th rear of cab left and right side - 15 x 59-3/8 in.

The following component Ref. Nos. 33 thru 37 are for one (1) door only Ref. Nos. 30 thru 32.

33	8205838	2	2	HINGE .. Door - 1-7/8 x 3 in.
34	8158536	2	-	LATCH ASSEMBLY .. Door - See Page 16
35	157125	8	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
36	120217	8	-	WASHER .. Lock - No. 10
37	120614	8	-	NUT .. 10-32 hex.

P.L. No. B2501-E

CARBODY

Ref. No.	Part Number	Number Required	Description
LONG HOOD HATCH DOORS			
38	8384304	1	DOOR ASSEMBLY .. Hatch - 1st rear of cab left side
*39	8384305	1	DOOR ASSEMBLY .. Hatch - 1st rear of cab right side
40	8254411	6	DOOR ASSEMBLY .. Hatch - 2nd,3rd and 4th rear of cab - Left and right side
*41	8446482	2	LATCH ASSEMBLY .. Door - Welds to door - See Page 16
*42	8227548	1	ROD ASSEMBLY .. Door support
*43	8299665	1	ROD ASSEMBLY .. Door support
*44	8225946	1	BRACKET .. Rod hinge - Welds to door
*45	8396489	1	BRACKET .. Rod hinge - Welds to door
*46	103340	1	WASHER .. Plain - 11/32 I.D.
*47	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
*48	8225945	1	CLIP .. Spring - Door support rod retaining
*49	110498	1	SCREW .. Machine - 1/4-20 x 1/4 round head
*50	8225944	1	PAD .. Tapping - Welds to door

LONG HOOD END ACCESS DOOR

51	8374629	1	DOOR ASSEMBLY .. Long hood and access
*52	8205838	2	HINGE .. Door - 1-7/8 x 3 in.
*53	8226234	2	LATCH ASSEMBLY .. Door - See Page 16
*54	157125	8	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
*55	120217	8	WASHER .. Lock - No. 10
*56	120614	8	NUT .. 10-32 hex.

ENGINE AIR INTAKE FILTER HATCH AND EXHAUST MANIFOLD COVER SHEET

57	8384009	1	HATCH ASSEMBLY .. Engine air intake filter - 3 ft. 1 in. x 3 ft. 8-7/8 in.
58	8384012	1	SHEET ASSEMBLY .. Exhaust manifold cover - 3 ft. 1 in. x 9 ft. 1/4 in.
*59	8133198	A.R.	TAPE .. Pressure sensitive with adhesive backing - 1/16 in. x 3/4 in. x 100 ft.
*60	9419650	74	SCREW .. Tapping - Hatch and sheet to hood - 3/8-16 x 3/4 hex. wa. head
61	8376329	3	COLLAR ASSEMBLY .. Exhaust stack - Welds to exhaust manifold cover sheet

LONG HOOD COOLING COMPARTMENT

62	8468152	2	SCREEN ASSEMBLY .. Air outlet
*63	8468495	8	RETAINER .. Air outlet screen
*64	9423364	8	SCREW .. Tapping - Retainer to hood - 3/8-16 x 1-1/2 hex. washer head
*65	9419650	56	SCREW .. Tapping - Screen to hood - 3/8-16 x 3/4 hex. washer head
66	8383759	2	PANEL .. Closing - Below air outlet screen - 1 ft. 3-1/2 in. x 5 ft. 4-3/8 in.
*67	9419954	36	SCREW .. Tapping - Panel to hood - 5/16-18 x 3/4 pan head - Cross recess
68	- - - -	-	SHUTTER ASSEMBLIES - See P.L. 539

HANDHOLD AND GRAB IRONS

69	8375032	2	HANDHOLD .. Long hood end access door
70	271560	4	BOLT .. Handhold to hood - 5/8-11 x 1-3/4 hex. head
71	8032747	4	NUT .. Lock - 5/8-11 hex.
*72	8224857	6	GRAB IRON .. Hood access ladder
*73	179887	12	BOLT .. Grab iron to hood - 1/2-13 x 1-3/4 hex. head
*74	8032745	12	NUT .. Lock - 1/2-13 hex.

LOCOMOTIVE END SIDE STEPS

75	8277375	4	STEP ASSEMBLY .. End side - Left and right side - Front and rear - Welds to end plate and underframe
76	8277377	12	TREAD .. Step - 10 ga. x 1-1/2 x 4 x 10-1/4 in.
77	8206549	4	TREAD .. Step - 13 ga. x 1 x 2 x 10-1/4 in.
78	109112	32	BOLT .. Square neck - Tread to step and underframe - 3/8-16 x 1 rnd. head
79	106263	32	WASHER .. Plain - 7/16 I.D.
80	8032743	32	NUT .. Lock - 3/8-16 hex.

CENTER HOOD LIFTING EYE

81	8257660	4	EYE .. Lifting
82	179885	20	BOLT .. Lifting eye to hood - 1/2-13 x 1-1/2 hex. head
83	9416517	20	NUT .. Lock - 1/2-13 hex.
84	- - - -	-	LOCOMOTIVE PILOTS - See P.L. 2453
85	- - - -	-	COUPLER AND DRAFT GEAR - See P.L. 2718

8363584F 17445 8469484A 8469815A 25294
24379 25381 8467708

CARBODY

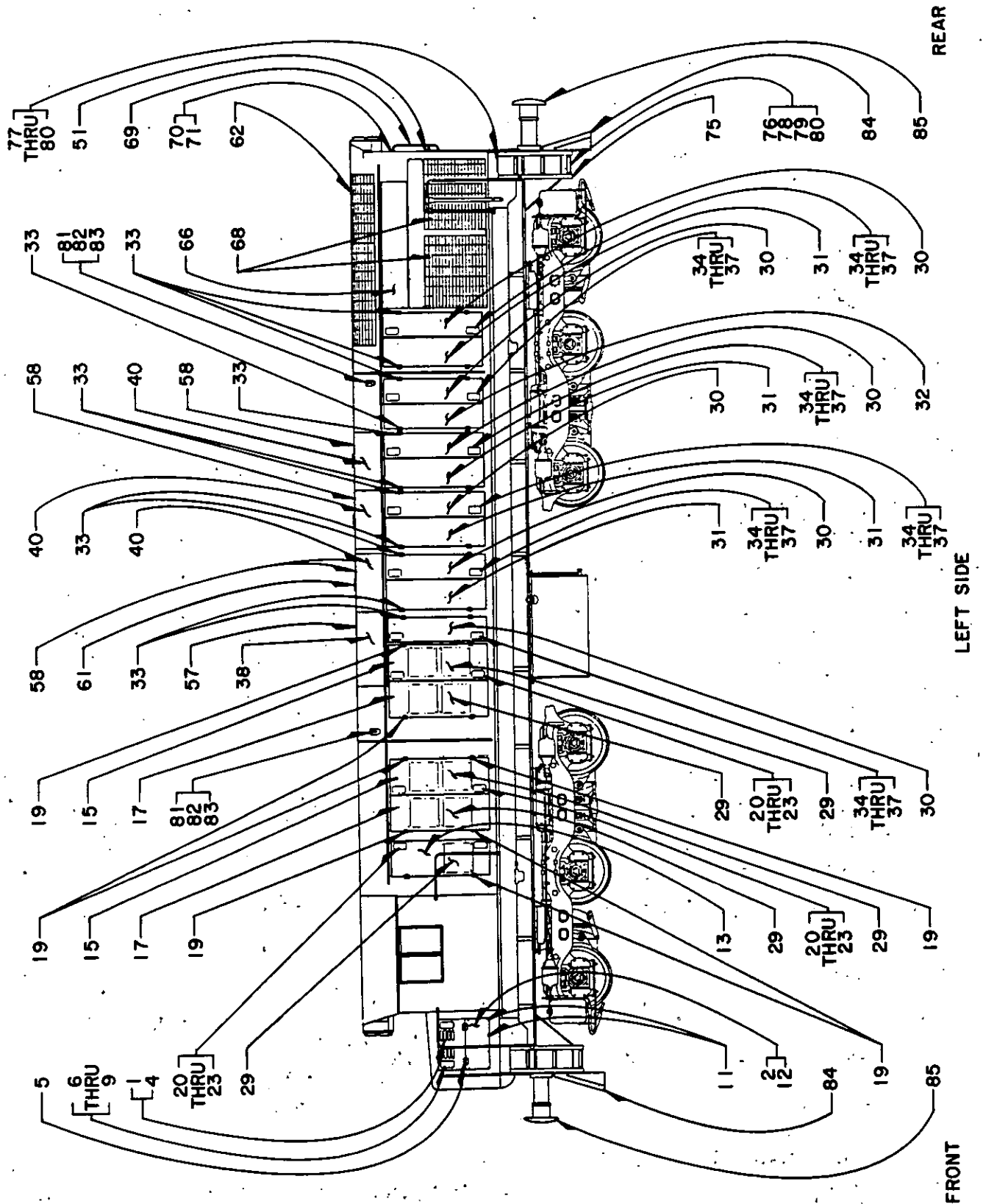


PLATE B2501-E-3

P.L. No. B2501-E

CARBODY

Hood Doors, Exhaust Hatch, End Side Steps, Handholds,
Flag and Marker Light Brackets

G26CW Locomotive

PLATE B2501-E-4

Ref. No.	Part Number	Number Required	Description
LOW SHORT HOOD BATTERY ACCESS DOOR			
1	8363989	2	DOOR ASSEMBLY .. Battery access - Left and right side
2	8363987	2	SHEET .. Door - Lower
* 3	8180096	4	ANGLE .. Door stop - Welds to lower door sheet
4	8363988	2	PANEL .. Door - Louvered - Upper
5	8042265	4	HINGE .. Door - 3 x 3 in.
6	8158536	4	LATCH ASSEMBLY .. Door - See Page 16
7	157125	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
8	120217	16	WASHER .. Lock - No. 10
9	120614	16	NUT .. 10-32 hex.
*10	- - - -	A.R.	PAINT .. Asphalt 8122180 .. 1 gallon can 8075824 .. 5 gallon can
11	9420050	12	SCREW .. Tapping - Door to hood - 3/8-16 x 1 hex. washer head
12	- - - -	-	BATTERIES, SHIM BLOCKS, CABLES AND CONNECTORS - See P.L. 9130

LONG HOOD LOUVERED AIR FILTER ACCESS DOORS

13	8398185	1	-	-	-	DOOR ASSEMBLY .. Incl. latches and hinges - 22-1/4 x 59-3/8 in. - Left side - 1st door
*14	8384301	-	1	-	-	DOOR ASSEMBLY .. Incl. latches and hinges - 22-1/4 x 59-3/8 in. - Right side - 1st door
15	8383550	-	-	2	-	DOOR ASSEMBLY .. Incl. latches and hinges - 22-1/4 x 42-3/8 in. - 2nd left and 3rd right side
16	8383544	-	-	-	2	PANEL ASSEMBLY .. 11-1/4 x 42-7/8 in. - Left and right side
17	8205838	2	2	4	-	HINGE .. Door - 1-7/8 x 3 in.
18	8206286	-	-	-	4	HINGE .. Door - 2 x 3 in.
19	8158536	2	2	-	-	LATCH ASSEMBLY .. Door - See Page 16
20	8226234	-	-	-	4	LATCH ASSEMBLY .. Door - See Page 16
21	157125	8	8	-	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
22	120217	8	8	-	16	WASHER .. Lock - No. 10
23	120614	8	8	-	16	NUT .. 10-32 hex.
24	8383634	-	-	2	-	DOOR ASSEMBLY .. 22-1/4 x 42-7/8 in. - 3rd left side and 2nd right side
25	8205838	-	-	4	-	HINGE .. Door - 1-7/8 x 3 in.
26	8118216	-	-	20	-	ELEMENT .. Filter - Engine air intake - Left and right sides

LONG HOOD PLAIN ACCESS DOORS

27	8384302	2	-	-	-	DOOR ASSEMBLY .. Incl. latches and hinges - 1st on left side and 2nd on right side
28	8384301	-	2	-	-	DOOR ASSEMBLY .. Incl. latches and hinges - 2nd on left side and 1st on right side
29	8205826	-	-	12	-	DOOR ASSEMBLY .. Incl. latches and hinges - 3rd, 5th, 7th, 9th, 11th and 13th on L.S. - 3rd, 5th, 7th, 9th, 11th and 13 on R.S.
30	8205824	-	-	-	8	DOOR ASSEMBLY .. Incl. hinges 4th, 6th, 8th and 10th on left side - 4th, 6th, 8th and 10th on right side
31	8205838	4	4	24	16	HINGE .. Door - 1-7/8 x 3 in.
32	8158536	-	4	24	-	LATCH ASSEMBLY .. Door - See Page 16
33	157125	-	16	96	-	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
34	120217	-	16	96	-	WASHER .. Lock - No. 10
35	120614	-	16	96	-	NUT .. 10-32 hex.

LONG HOOD PLAIN ACCESS DOORS

36	8375605	-	2	-	-	DOOR ASSEMBLY .. Incl. hinges - 12th on left side - 12th on right side
37	8206838	-	4	-	-	HINGE .. Door - 1-7/8 x 3 in.

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CARBODY

Ref. No.	Part Number	Number Required	Description
LONG HOOD END ACCESS DOORS			
38	8205824	2	DOOR ASSEMBLY .. Incl. hinges - Left and right sides
39	8206826	2	DOOR ASSEMBLY .. Incl. latches and hinges - Left and right sides
40	8374628	1	DOOR ASSEMBLY .. Incl. latches and hinges - No. 2 end access door
41	8205838	4	HINGE .. Door - 1-7/8 x 3 in.
42	8158536	4	LATCH ASSEMBLY .. Door - See Page 16
*43	8226234	2	LATCH ASSEMBLY .. Door - See Page 16
44	157125	16	SCREW .. Machine - 10-32 x 5/8 oval head - Cross recess
45	120217	16	WASHER .. Lock - No. 10
46	120614	16	NUT .. 10-32 hex.

LONG HOOD HATCH DOORS

47	8449928	1	DOOR ASSEMBLY .. Hatch - 1st on left side
*48	8449929	1	DOOR ASSEMBLY .. Hatch - 1st on right side
49	8254411	8	DOOR ASSEMBLY .. Hatch - 2nd, 3rd, 4th and 5th on right and left sides
*50	8446482	2	LATCH ASSEMBLY .. Door - See Page 16
*51	8227548	1	SUPPORT ASSEMBLY .. Rod - Door holder
*52	8299665	1	SUPPORT ASSEMBLY .. Rod - Door holder
*53	8225946	1	BRACKET .. Door holder support
*54	8396489	1	BRACKET .. Door holder support
*55	8225945	1	CLIP .. Spring - Door support rod
*56	103340	1	WASHER .. Plain - 11/32 I.D.
*57	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
*58	110498	4	SCREW .. Machine - 1/4-20 x 1/4 round head
*59	8225949	2	HINGE .. Hatch door

LONG HOOD EXHAUST HATCH

60	8449924	2	HATCH ASSEMBLY .. Exhaust
61	8449925	2	COLLAR ASSEMBLY .. Exhaust stack
*62	172487	72	SCREW .. Tapping - 3/8-16 x 1 hex. head
*63	8133198	A.R.	TAPE .. Pressure sensitive with adhesive backing - 1/16 in. x 3/4 in. x 100 ft.

LONG HOOD COOLING COMPARTMENT

64	9082013	4	SCREEN ASSEMBLY .. Air inlet - See P.L. 539
65	.....	.....	ROOF SHUTTER ASSEMBLIES - See P.L. 539

HOOD END HANDHOLDS

66	8374032	2	HANDHOLD ASSEMBLY .. Long hood end access door
67	271560	4	BOLT .. Handhold to hood - 5/8-11 x 1-3/4 hex. head
68	9416520	4	NUT .. Lock - 5/16-18 hex.

END SIDE STEPS

69	8476520	4	STEP ASSEMBLY .. Front and rear ends - Left and right sides - Welds to end plate and underframe
70	8277377	12	TREAD .. Step - 10 ga. x 1-1/2 x 4 x 10-1/4 in.
71	8421828	4	TREAD .. Step - 21 x 39-3/8 in.
72	109112	24	BOLT .. Square neck - Tread to step and underframe - 3/8-16 x 1 round head
73	106263	24	WASHER .. Plain - 7/16 I.D.
74	8032743	24	NUT .. Lock - 3/8-16 hex.

CENTER HOOD LIFTING EYE

75	8257660	4	LIFTING EYE ASSEMBLY .. Long hood center section
76	179885	20	BOLT .. Lifting eye to hood - 1/2-13 x 1-1/2 hex. head
77	9416517	20	NUT .. Lock - 1/2-13 hex.

P.L. No. B2501-E

CARBODY

Ref. No.	Part Number	Number Required	Description

FLAG AND MARKER LIGHT BRACKETS - SPECIAL

φ*78	8100724	4	BRACKET .. Lamp and flag - Left and right sides - Front and rear ends
φ*79	8130954	2	BRACKET .. Lamp and flag - Long hood end - Left and right sides
φ*80	8314295	2	CHANNEL .. Lamp and flag - Cab end - "U" shaped - 3/16 x 2-1/4 x 4-1/2
φ*81	113914	8	SCREW .. Bracket mounting - 5/16-18 x 1 flat head
φ*82	9416511	8	NUT .. Bracket mounting - Lock - 5/16-18
83	- - - -	-	LOCOMOTIVE PILOTS - See P.L. 2453
84	- - - -	-	COUPLER AND DRAFT GEAR - See P.L. 2718
85	- - - -	-	DYNAMIC BRAKE EQUIPMENT - See P.L. 3107

P.L. No. B2501-E

CARBODY

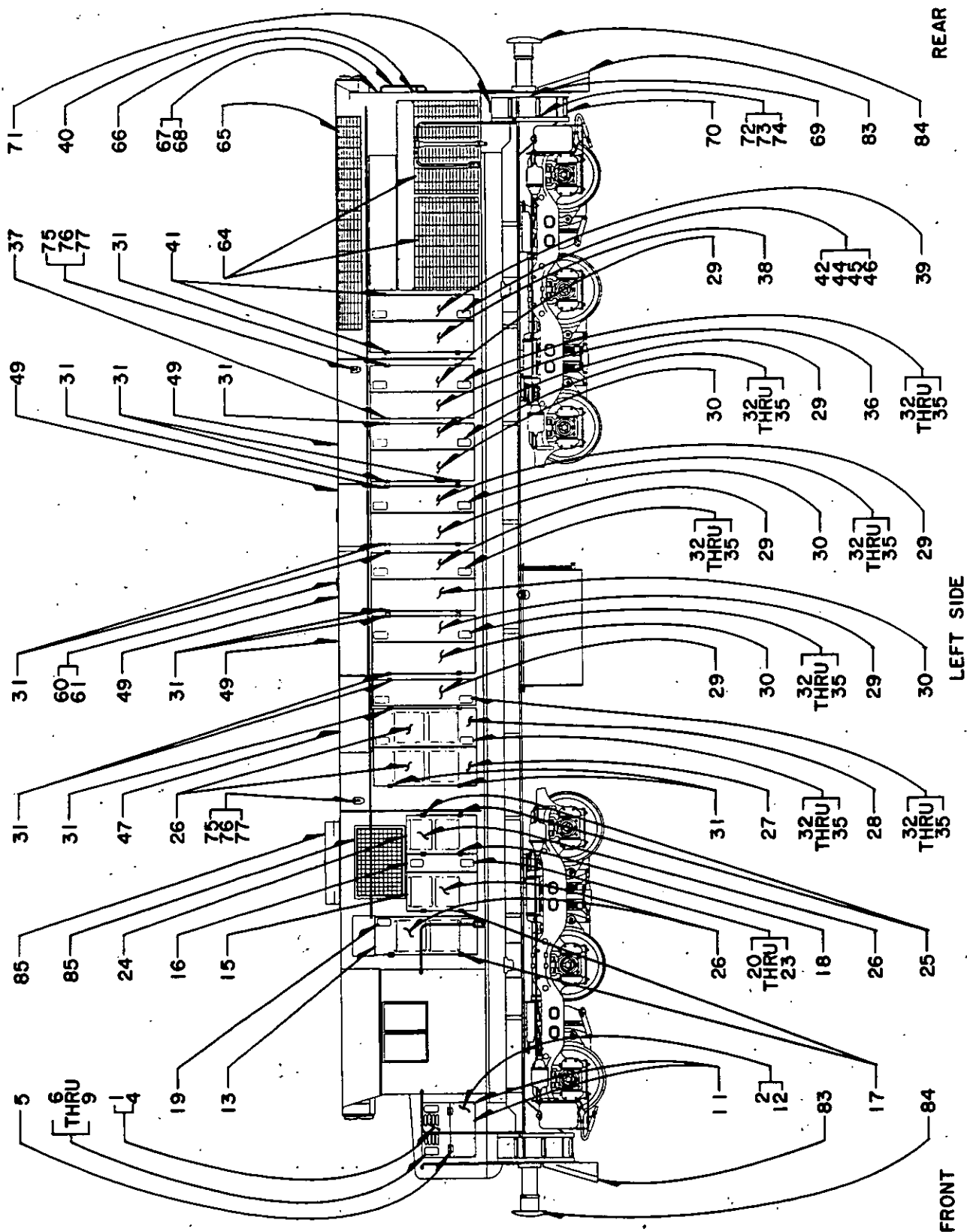


PLATE B2501-E-4

FEBRUARY, 1975

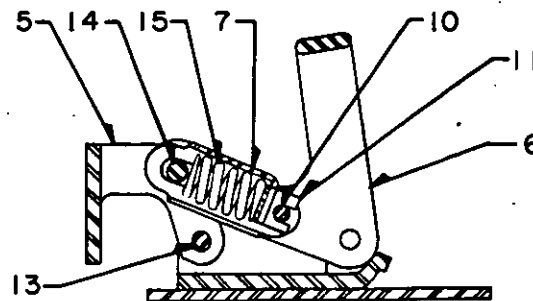
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B2501-E

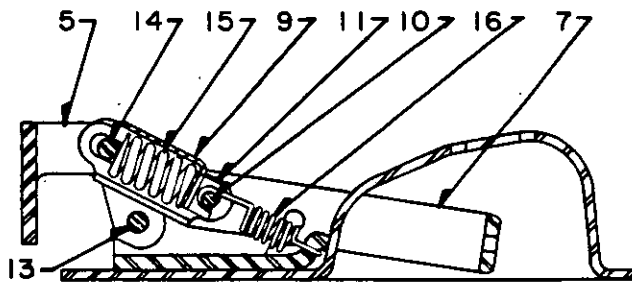
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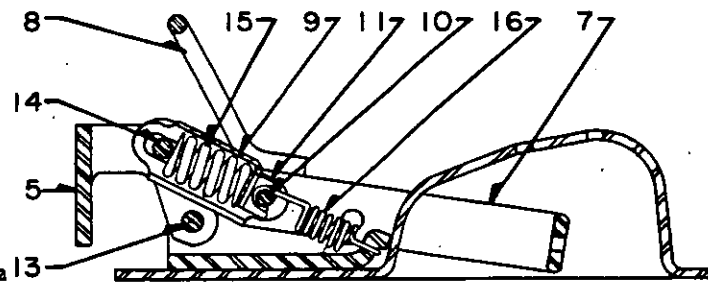
Hatch and Hood Access Door Latch Assembly



Ref. No. 1



Ref. No. 2



Ref. No. 3

PLATE B2501-E-5

Ref. No.	Part Number	Number Required				Description
		A	B	C	D	
1	8446482	1	-	-	-	LATCH ASSEMBLY .. Hatch access door
2	8158536	-	1	-	-	LATCH ASSEMBLY .. Hood access door
3	8226234	-	-	1	-	LATCH ASSEMBLY .. Hood access door
* 4	8203089	-	-	-	1	LATCH ASSEMBLY .. Hood access door
5	8387678	1	1	1	1	CATCH .. Latch
6	8162983	1	-	-	1	LEVER .. Latch
7	8158539	-	1	1	-	LEVER .. Latch
8	8363300	-	-	1	-	HANDLE .. Latch - Welds to latch lever
9	8365603	1	1	1	1	LINK .. Lever to catch
10	8387681	1	1	1	1	PIN .. Lock - Link to lever
11	8387682	1	1	1	1	RETAINER .. Lock pin
* 12	107562	-	-	-	1	RIVET .. Catch to body - 1/2 x 2-1/2 round head
13	9433521	1	1	1	-	RIVET .. Catch to body - 1/4 x 2-9/16 button head
14	8387684	1	1	1	1	RIVET .. Catch to link - .248 x 2-1/8 flat head - Special
15	8127662	2	2	2	2	SPRING .. Latch link
16	8387683	-	1	1	1	SPRING .. Link to body

Parts List No. B2605-E

HANDRAILS AND SUPPORTS

Rear End Arrangement - M.U. Operation

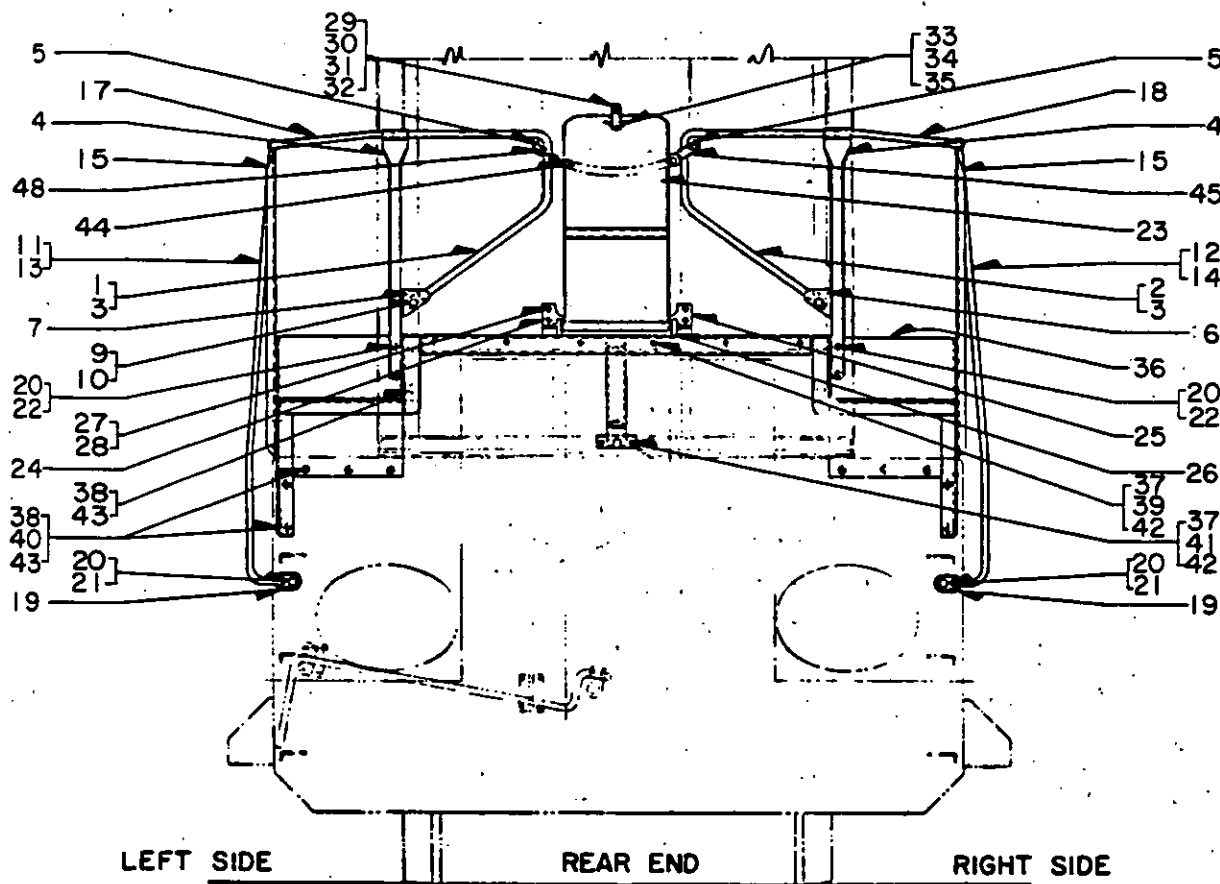
GT26CW Locomotive
(Built Prior to Mid - 1971)

PLATE B2605-E-1

Ref. No.	Part Number	No. Req.	Description
1	8447509	1	HANDRAIL ASSEMBLY .. Left side - Inner
2	8447508	1	HANDRAIL ASSEMBLY .. Right side - Inner
3	8447507	1	HANDRAIL .. Left and right sides - Inner
4	8258472	1	SUPPORT .. Handrail - 37-21/32 in. long
5	8214768	1	BOLT .. Eye
6	8447503	1	BRACKET .. Handrail mounting - Right side
7	8447504	1	BRACKET .. Handrail mounting - Left side
* 8	8228677	1	BUSHING .. Handrail support - 3-7/8 in. long
9	271612	1	BOLT .. 3/4-10 x 2-1/4 hex. head
10	9416522	1	NUT .. Lock - 3/4-10 hex.
11	8448728	1	HANDRAIL ASSEMBLY .. Left side - Outer
12	8448727	1	HANDRAIL ASSEMBLY .. Right side - Outer
13	8446654	1	HANDRAIL .. Left side - Outer
14	8446655	1	HANDRAIL .. Right side - Outer
15	8258472	1	SUPPORT .. Handrail - 37-21/32 in. long
* 16	8228677	1	BUSHING .. Handrail support - 3-7/8 in. long
17	8446643	1	HANDRAIL .. Left side - Center
18	8446644	1	HANDRAIL .. Right side - Center

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B2605-E

P.L. No. B2605-E

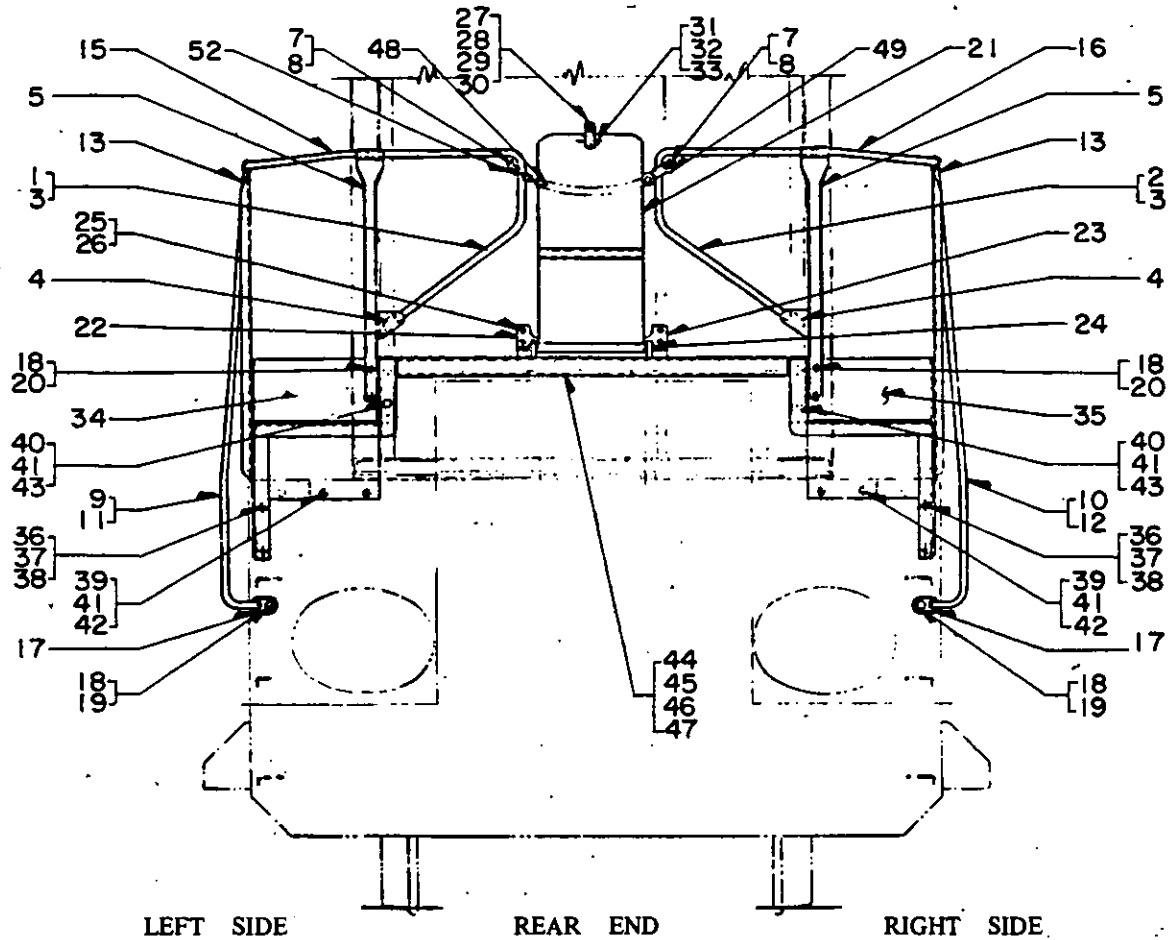
HANDRAILS AND SUPPORTS

Ref. No.	Part Number	No. Req.	Description
19	8393584	2	PAD .. Tapping - Handrail mounting - Welds to end plate
20	271607	10	BOLT .. 3/4-10 x 1-1/2 hex. head
21	103326	2	WASHER .. Lock - 3/4
22	9416522	8	NUT .. Lock - 3/4-10 hex.
23	8277105	1	RAMP .. Walkway - Includes hinge pin
24	8404258	1	BRACKET .. Hinge - Left side
25	8404259	1	BRACKET .. Hinge - Right side
26	103348	2	WASHER .. Plain - 1 inch
27	271562	4	BOLT .. 5/8-11 x 2 hex. head
28	9416520	4	NUT .. Lock - 5/8-11 hex.
29	8277066	1	LATCH .. Walkway ramp
30	179883	1	BOLT .. 1/2-13 x 1-1/4 hex. head
31	103343	2	WASHER .. Plain - 1/2
32	8135876	1	NUT .. Lock - 1/2-13 flanged - Welds to hood
33	8024232	1	BUMPER .. Rubber - Walkway ramp
34	179795	2	BOLT .. 1/4-20 x 3/4 hex. head
35	9416509	2	NUT .. Lock - 1/4-20 hex.
36	8446534	1	PLATFORM ASSEMBLY .. Walkway
37	179883	8	BOLT .. 1/2-13 x 1-1/4 hex. head
38	271558	14	BOLT .. 5/8-11 x 1-1/2 hex. head
39	103343	6	WASHER .. Plain - 1/2
40	103345	4	WASHER .. Plain - 5/8
41	8446642	1	SHIM .. Ramp to end plate - 12 ga. x 1/2 x 6 in. long
42	9416517	8	NUT .. Lock - 1/2-13 hex.
43	9416520	14	NUT .. Lock - 5/8-11 hex.
44	8095255	1	CHAIN ASSEMBLY .. Safety
45	8089288	1	SNAP .. Round eye - Swivel type
*46	8191938	1	SPRING .. Includes rivet
*47	8034230	1	LINK .. Locking
48	8034230	1	LINK .. Locking

HANDRAILS AND SUPPORTS

P.L. No. B2605-E

Rear End Arrangement - M.U. Operation
 GT26CW Locomotive
 (Built After Mid-1971)



Ref. No.	Part Number	No. Req.	Description
1	8459709	1	HANDRAIL ASSEMBLY .. Left side - Inner
2	8459710	1	HANDRAIL ASSEMBLY .. Right side - Inner
3	8447507	1	HANDRAIL .. Left and right side - Inner
4	8459708	1	FOOT .. Handrail - Welds to handrail and support
5	8258472	1	SUPPORT .. Handrail - Overall length 37-21/32 in.
* 6	8228677	1	BUSHING .. Handrail support - 3-7/8 in. long
7	8214768	1	BOLT .. Eye - Threadless
8	8277064	1	PLATE .. Eye bolt mounting - Welds to handrail
9	8448728	1	HANDRAIL ASSEMBLY .. Left side - Outer
10	8448727	1	HANDRAIL ASSEMBLY .. Right side - Outer
11	8446654	1	HANDRAIL .. Left side - Outer
12	8446655	1	HANDRAIL .. Right side - Outer
13	8258472	1	SUPPORT .. Handrail - Overall length - 37-21/32 in.
* 14	8228677	1	BUSHING .. Handrail support - 3-7/8 in. long
15	8446643	1	HANDRAIL .. Left side - Center
16	8446644	1	HANDRAIL .. Right side - Center
17	8393584	2	PAD .. Tapping - Handrail mounting - Welds to end plate
18	271607	10	BOLT .. 3/4-10 x 1-1/2 hex. head
19	103326	2	WASHER .. Lock - 3/4
20	8032748	8	NUT .. Lock - 3/4-10 hex.
21	8277105	1	RAMP .. Walkway - Includes hinge pin
22	8404258	1	BRACKET .. Hinge - Left side
23	8404259	1	BRACKET .. Hinge - Right side
24	103348	2	WASHER .. Plain - 1 inch

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P.L. No. B2605-E

HANDRAILS AND SUPPORTS

Ref. No.	Part Number	No. Req.	Description
25	271558	4	BOLT .. 5/8-11 x 1-1/2 hex. head
26	8032747	4	NUT .. Lock - 5/8-11 hex.
27	8277066	1	LATCH .. Walkway ramp
28	179883	1	BOLT .. 1/2-13 x 1-1/4 hex. head
29	103343	2	WASHER .. Plain - 1/2
30	8135876	1	NUT .. Lock - 1/2-13 flanged - Welds to hood
31	8024232	1	BUMPER .. Rubber - Walkway ramp
32	179795	2	BOLT .. 1/4-20 x 3/4 hex. head
33	8035130	2	NUT .. Lock - 1/4-20 hex.
34	8459787	1	PLATFORM ASSEMBLY .. Ramp - Left side
35	8459788	1	PLATFORM ASSEMBLY .. Ramp - Right side
36	8459785	1	PAD .. Tapping - Welds to end plate
37	271558	2	BOLT .. 5/8-11 x 1-1/2 hex. head
38	103325	2	WASHER .. Lock - 5/8
39	8459785	2	PAD .. Tapping - Platform mounting - Welds to end plate
40	8459789	2	ANGLE .. Platform mounting - Welds to platform
41	271558	8	BOLT .. 5/8-11 x 1-1/2 hex. head
42	103325	4	WASHER .. Lock - 5/8
43	8032747	4	NUT .. Lock - 5/8-11 hex.
44	8459786	1	TREAD .. Step - Platform - 2-3/4 x 17-1/4 x 58-1/2 in.
45	109135	6	BOLT .. Square neck - 1/2-13 x 1-1/4 round head
46	8258460	6	SEAT .. Bolt
47	8032745	6	NUT .. Lock - 1/2-13 hex.
48	8095255	1	CHAIN ASSEMBLY .. Safety
49	8089288	1	SNAP .. Round eye - Swivel type
*50	8191938	1	SPRING .. Includes rivet
*51	8034230	1	LINK .. Locking
52	8034230	1	LINK .. Locking

P.L. No. B2605-E

HANDRAILS AND SUPPORTS

Rear End Arrangement
Non-M.U. Operation

GT26CW Locomotives

PLATE B2605-E-3

Ref. No.	Part Number	No. Req.	Description
REAR END ARRANGEMENT			
1	8452574	1	HANDRAIL .. Right side - Curved - Includes mounting foot - 50-1/2 in. long
2	8452573	1	HANDRAIL .. Left side - Curved - Includes mounting foot - 50-1/2 in. long
3	8452718	2	HANDRAIL .. Left air right sides - Curved - 48-3/8 in. long
4	8452720	1	HANDRAIL .. Center - Straight - 23-3/4 in. long
5	8258472	2	SUPPORT .. Handrail - Inner - 36-3/4 in. long
6	8361180	2	SUPPORT .. Handrail - Outer - 36-3/4 in. long
7	8304238	4	BRACKET .. Handrail support mounting - 3 x 6-1/2 in.
8	8304235	2	CLAMP .. Handrail mounting - 4-11/16 x 4 in. - (2) 9/16 dia. holes
9	8315564	2	TUBING .. Handrail support mounting - 1-1/4 O.D. x 1-3/4 in. long
10	443183	2	PIN .. Handrail support mounting - 3/8 x 1-3/4 in.
11	179885	4	BOLT .. Handrail mounting - 1/2-13 x 1-1/2 hex. head
12	271607	8	BOLT .. Handrail mounting - 3/4-10 x 1-1/2 hex. head
13	8032748	26	NUT .. Handrail mounting - 3/4-10 self locking
14	271612	4	BOLT .. Handhold mounting - 3/4-10 x 2-1/4 hex. head
15	8450877	1	HANDHOLD .. End - Mounts to rear end plate - 112-9/16 in. overall length
16	8452606	1	WALKWAY ASSEMBLY .. Rear
17	8452716	1	SUPPORT ASSEMBLY .. Walkway - Right side - Includes tread plate
18	8452717	1	SUPPORT ASSEMBLY .. Walkway - Left side - Includes tread plate
19	8452600	1	RAMP .. Walkway - Right side - 37-11/16 in. long
20	8452601	1	RAMP .. Walkway - Left side - 37-11/16 in. long
21	8351485	4	BOLT .. Eye - Mounts to walkway ramps - 1-3/4 O.D. x 1/2 in.
22	8032745	8	NUT .. Lock - 1/2-13 self locking
23	8392203	2	LOCK ASSEMBLY .. Walkway
24	103343	A.R.	WASHER .. Plain - 1/2 in.
25	8392389	A.R.	SHIM .. Strip - No. 16 ga. - 1 x 32-7/8 in.
26	8392390	A.R.	SHIM .. Strip - No. 11 ga. - 1 x 32-7/8 in.
27	8392391	A.R.	SHIM .. Strip - 3/16 x 1' x 32-7/8 in.

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P.L. No. B2605-E

HANDRAILS AND SUPPORTS

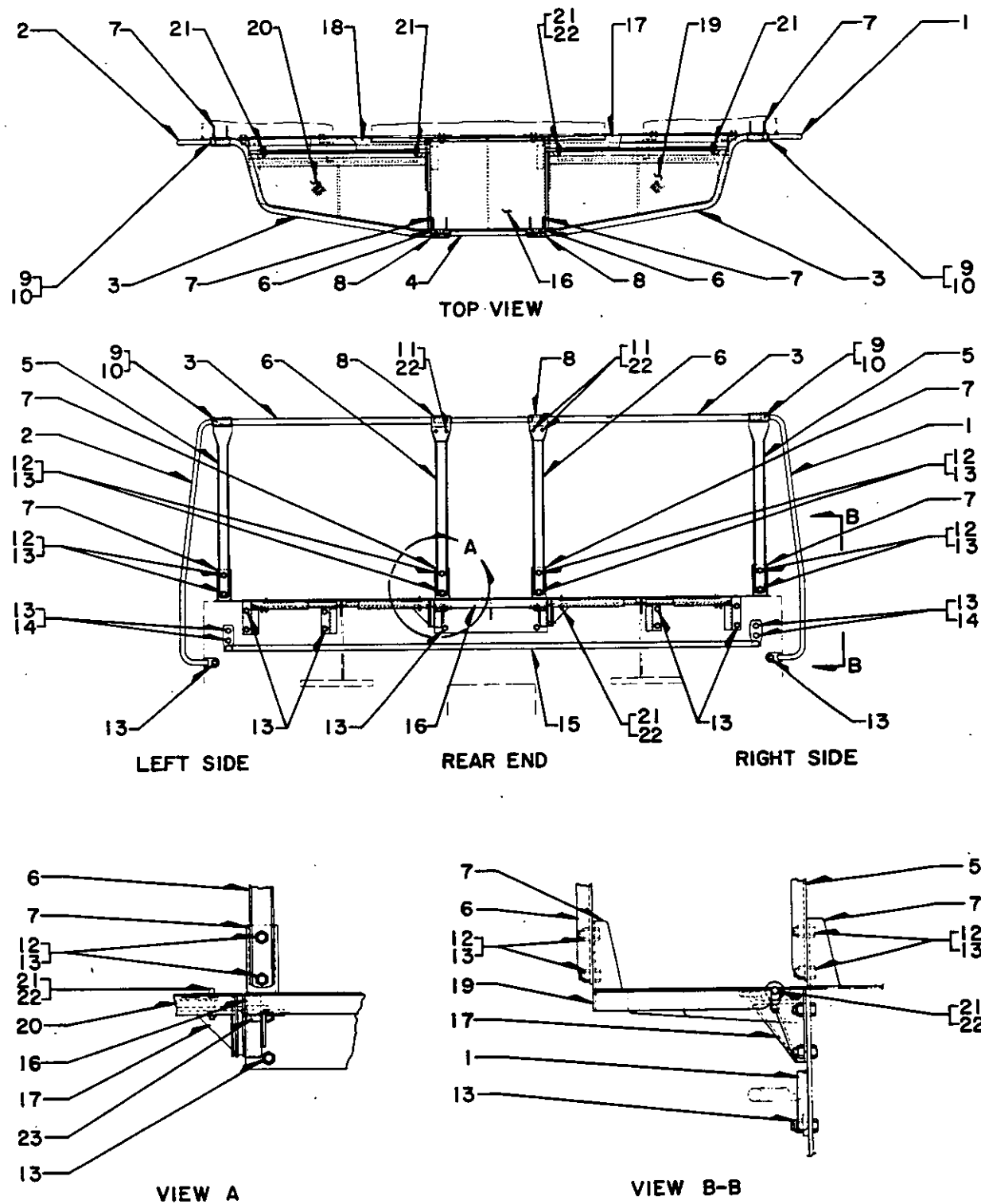


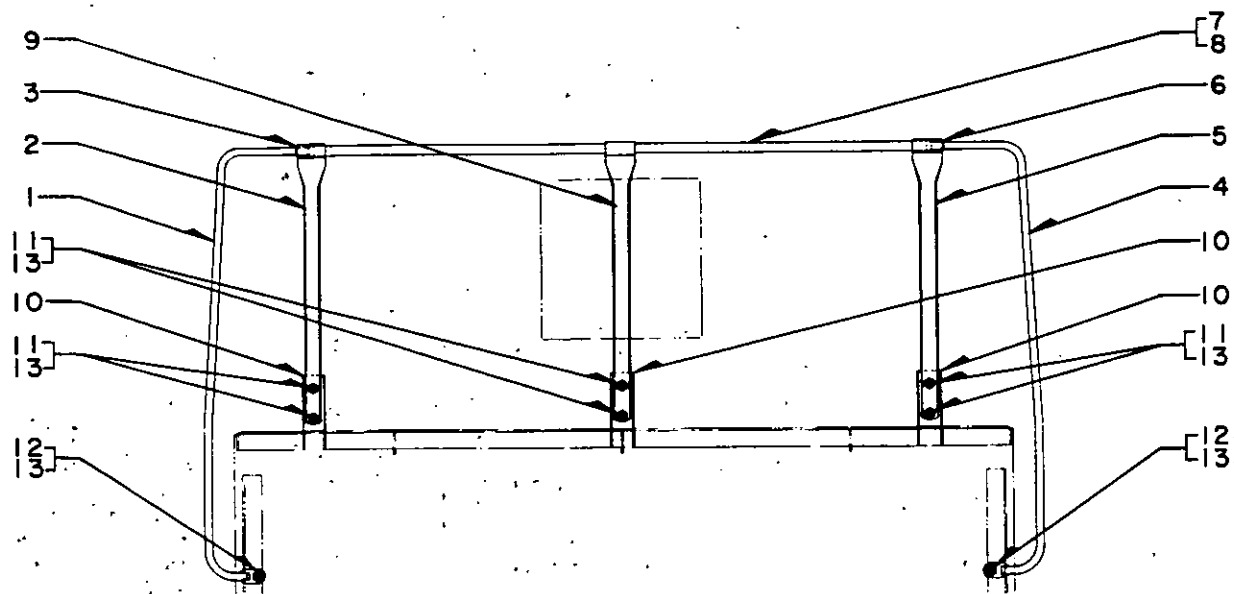
PLATE B2605-E-3

HANDRAILS AND SUPPORTS

Rear End Arrangement

GT26CW-2 Locomotives

Non-M.U. Operation



LEFT SIDE

REAR END

RIGHT SIDE

PLATE B2605-E-4

Ref. No.	Part Number	No. Req.	Description
1	8475688	1	HANDRAIL ASSEMBLY .. Left side
2	8258472	1	SUPPORT .. Handrail - 37-21/32 in.
3	8315564	1	TUBING .. Handrail mounting
4	8475687	1	HANDRAIL ASSEMBLY .. Right side
5	8258472	1	SUPPORT .. Handrail - 37-21/32 in.
6	8315564	1	TUBING .. Handrail mounting
7	8473014	1	HANDRAIL ASSEMBLY .. Center
8	8473013	1	HANDRAIL .. Center - 6 ft. - 8-7/8 in.
9	8258472	1	SUPPORT .. Handrail - 37-21/32 in.
10	8461086	3	BRACKET .. Handrail support mounting
11	271609	6	BOLT .. 3/4-10 x 1-3/4 hex. head
12	271611	2	BOLT .. 3/4-10 x 2 hex. head
13	8032748	8	NUT .. Lock - 3/4-10 hex.

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FEBRUARY, 1975

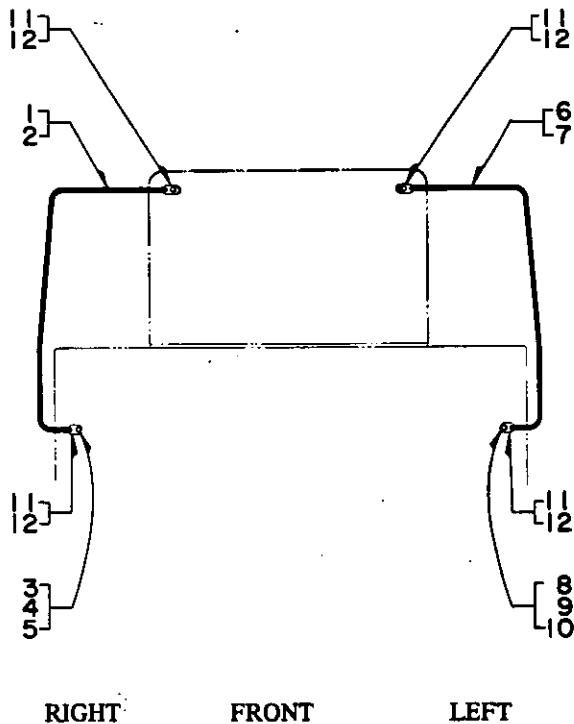
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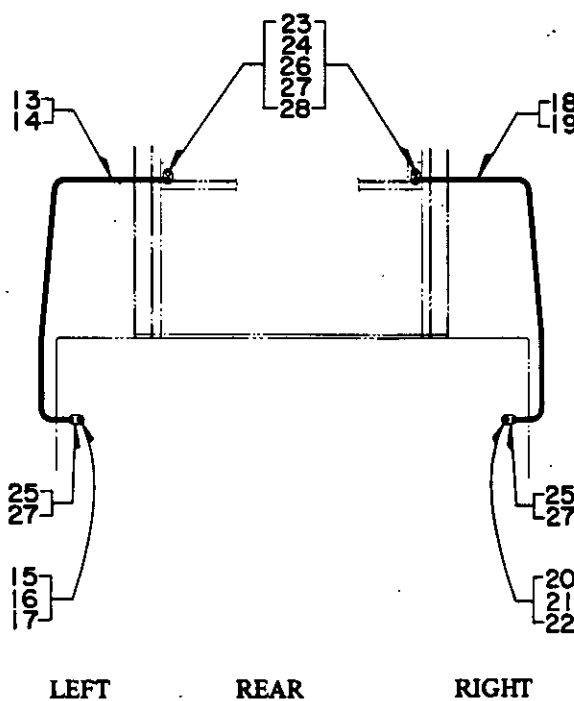
P.L. No. B2605-E

HANDRAILS AND SUPPORTS

Front and Rear End Arrangement

G18U,G22CU,G26CW,GT26CW and GT26CW-2 Locomotives
M.U. and Non-M.U. Operation

Ref. No.	Part Number	No. Req.	Description
FRONT END ARRANGEMENT			
		A -	G26CW (M.U.)
		B -	G22CU,GT26CW,GT26CW-2
		C -	GT26CW (Non-M.U.)
1	8425156	1 -	HANDRAIL ASY. .. R.S. - 56-3/4 in.
1	8463411	- 1 -	HANDRAIL ASY. .. R.S. - 56-3/4 in.
1	8451684	- - 1	HANDRAIL ASY. .. R.S. - 51-1/2 in.
2	8403905	- 1 -	HANDRAIL .. Rt. side - 56-3/4 in.
3	8393584	- 1 -	PAD .. Tapping
4	271607	- 1 -	BOLT .. 3/4 -10 x 1-1/2 hex. hd.
5	103326	- 1 -	WASHER .. Lock - 3/4 in.
6	8425157	1 -	HANDRAIL ASY. .. L.S. - 56-3/4 in.
6	8463412	- 1 -	HANDRAIL ASY. .. L.S. - 56-3/4 in.
6	8451685	- - 1	HANDRAIL ASY. .. L.S. - 51-1/2 in.
7	8403906	- 1 -	HANDRAIL .. L.S. 56-3/4 in.
8	8393584	- 1 -	PAD .. Tapping
9	271607	- 1 -	BOLT .. 3/4-10 x 1-1/2 hex. hd.
10	103326	- 1 -	WASHER .. Lock - 3/4 in.
φ11	271609	2 2 2	BOLT .. 3/4-10 x 1-3/4 hex. head
φ11	271611	2 2 -	BOLT .. 3/4-10 x 2 hex. head
φ11	271607	- - 2	BOLT .. 3/4-10 x 1-1/2 hex. head
φ12	9416522	4 - -	NUT .. Lock - 3/4-10 hex.
φ12	8032748	- 2 4	NUT .. Lock - 3/4-10 hex.



REAR END ARRANGEMENT

		A -	G26CW
		B -	G18U,G22CU
13	8425154	1 -	HANDRAIL ASY. .. L.S. - 56-3/4 in.
13	8463446	- 1	HANDRAIL ASY. .. L.S. - 56-3/4 in.
14	8393909	- 1	HANDRAIL .. 56-3/4 in. long
15	8393584	- 1	PAD .. Tapping
16	271607	- 1	BOLT .. 3/4-10 x 1-1/2 hex. head
17	103326	- 1	WASHER .. Lock - 3/4 in.
18	8425155	1 -	HANDRAIL ASY. .. R.S. - 56-3/4 in.
18	8463447	- 1	HANDRAIL ASY. .. R.S. - 56-3/4 in.
19	8393910	- 1	HANDRAIL .. 56-3/4 in. long
20	8393584	- 1	PAD .. Tapping
21	271607	- 1	BOLT .. 3/4-10 x 1-1/2 hex. head
22	103326	- 1	WASHER .. Lock - 3/4 in.
φ23	8398684	- 2	PAD .. Tapping - (G18 only)
24	271611	2 -	BOLT .. 3/4-10 x 2 hex. head
25	271609	2 -	BOLT .. 3/4-10 x 1-3/4 hex. head
26	271613	- 2	BOLT .. 3/4-10 x 2-1/2 hex. head
27	9416522	4 -	NUT .. Lock - 3/4-10 hex.
28	8032748	- 2	NUT .. Lock - 3/4-10 hex.

PLATE B2605-E-5

21928 84705 21927 18827 18828

B2605-E

HANDRAILS AND SUPPORTS

Parts List No. B2620-E

Side Handrails and Supports

GT26CW Locomotives
Built Prior To Late 1970
PLATE B2620-E-1

Ref. No.	Part Number	No. Req.	Description
1	8447360	1	HANDRAIL .. End - Left front
2	8447361	1	HANDRAIL .. End - Right front
3	8447358	1	HANDRAIL .. End - Left rear
4	8447359	1	HANDRAIL .. End - Right rear
5	8447362	2	HANDRAIL .. 1st.section rear of cab - 50-1/2 in. lg. Left and right side
6	8447344	1	HANDRAIL ASSEMBLY .. 2nd.section rear of cab - Left side
7	8447353	1	HANDRAIL ASSEMBLY .. 2nd.section rear of cab - Right side
8	8447345	1	TUBE .. Handrail - 12 ft. 4 in. long
9	8344827	2	SUPPORT .. Handrail - 50-9/32 in. long
10	8344812	2	SUPPORT .. Handrail - 40-21/32 in. long
11	8192934	2	ANGLE .. Handrail support
12	8355187	2	BRACKET .. Handrail support
13	179885	2	BOLT .. 1/2-13 x 1-1/2 hex. head
14	271609	2	BOLT .. 3/4-10 x 1-3/4 hex. head
15	103343	2	WASHER .. Plain - 1/2
16	9416517	2	NUT .. Lock - 1/2-13 hex.
17	9416522	2	NUT .. Lock - 3/4-10 hex.
18	8447346	1	HANDRAIL ASSEMBLY .. 3rd.section rear of cab - Left side
19	8447354	1	HANDRAIL ASSEMBLY .. 3rd.section rear of cab - Right side
20	8447347	1	TUBE .. Handrail - 16 ft. 5-1/2 in. long
21	8344827	3	SUPPORT .. Handrail - 50-9/32 in. long
22	8344812	3	SUPPORT .. Handrail - 40-21/32 in. long
23	8192934	3	ANGLE .. Handrail support
24	8355187	3	BRACKET .. Handrail support
25	179885	3	BOLT .. 1/2-13 x 1-1/2 hex. head
26	271609	3	BOLT .. 3/4-10 x 1-3/4 hex. head
27	103343	3	WASHER .. Plain - 1/2
28	9416517	3	NUT .. Lock - 1/2-13 hex.
29	9416522	3	NUT .. Lock - 3/4-10 hex.
30	8447348	1	HANDRAIL ASSEMBLY .. 4th.section rear of cab - Left side
31	8447355	1	HANDRAIL ASSEMBLY .. 4th.section rear of cab - Right side
32	8447349	1	TUBE .. Handrail - 8 ft. 2-1/2 in. long
33	8344827	1	SUPPORT .. Handrail - 50-9/32 in. long
34	8344812	1	SUPPORT .. Handrail - 40-21/32 in. long
35	8192934	1	ANGLE .. Handrail support
36	8355187	1	BRACKET .. Handrail support
37	179885	1	BOLT .. 1/2-13 x 1-1/2 hex. head
38	271609	1	BOLT .. 3/4-10 x 1-3/4 hex. head
39	103343	1	WASHER .. Plain - 1/2
40	9416517	1	NUT .. Lock - 1/2-13 hex.
41	9416522	1	NUT .. Lock - 3/4-10 hex.
42	8447350	1	HANDRAIL ASSEMBLY .. 5th.section rear of cab - Left side
43	8447356	1	HANDRAIL ASSEMBLY .. 5th.section rear of cab - Right side
44	8447352	1	ROD .. Handrail - Offset
45	8447351	1	TUBE .. Handrail - Straight - 7 ft. 5-11/16 in. long
46	8447357	1	TUBE .. Handrail - Straight - 10 ft. 10-1/2 in. long
47	8313482	3	SUPPORT .. Handrail - 44-21/32 in. long
48	8355611	2	SUPPORT .. Handrail - 40-21/32 in. long
49	8355612	4	SUPPORT .. Handrail - 50-9/32 in. long
50	8355621	2	SUPPORT .. Handrail - 44-21/32 in. long
51	8192934	4	ANGLE .. Handrail support
52	8355187	2	BRACKET .. Handrail support
53	8304235	8	CLAMP .. Handrail support
54	179885	20	BOLT .. 1/2-13 x 1-1/2 hex. head
55	271609	48	BOLT .. 3/4-10 x 1-3/4 hex. head
56	103343	4	WASHER .. Plain - 1/2
57	9416517	20	NUT .. Lock - 1/2-13 hex.
58	9416520	4	NUT .. Lock - 5/8-11 hex.
59	9416522	48	NUT .. Lock - 3/4-10 hex.
8447343			

P.L. No. B2620-E

HANDRAILS AND SUPPORTS

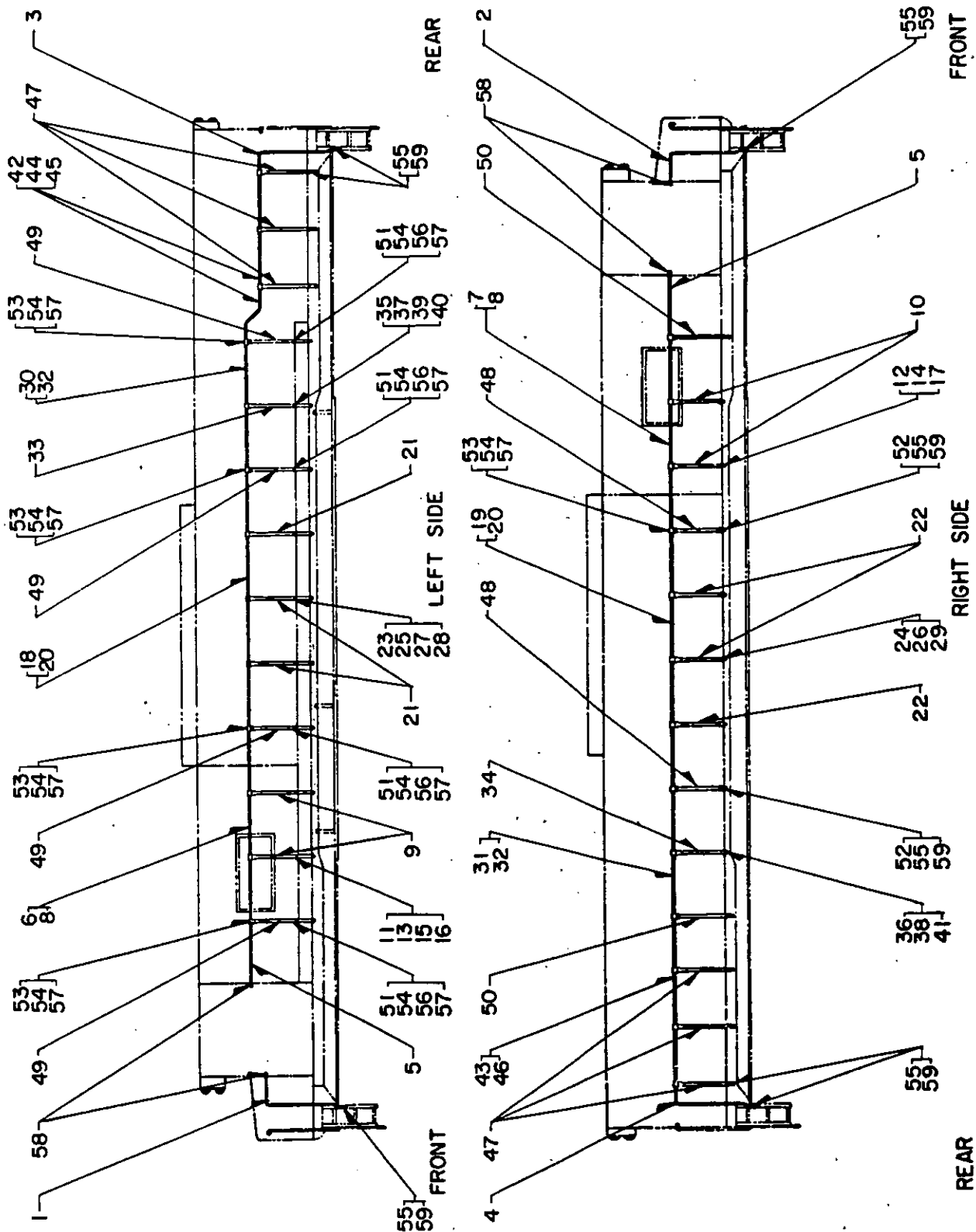


PLATE B2620-E-1

B2620-E

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HANDRAILS AND SUPPORTS

P.L. No. B2620-E

Side Handrails and Supports

GT26CW Locomotives

Built After Late 1970

PLATE B2620-E-2

Ref. No.	Part Number	No. Req.	Description
1	8447360	1	HANDRAIL .. End - Left front
2	8447361	1	HANDRAIL .. End - Right front
3	8447358	1	HANDRAIL .. End - Left rear
4	8447359	1	HANDRAIL .. End - Right rear
5	8447362	2	HANDRAIL .. 1st. section rear of cab - 50-1/2 in. lg. - Left and right side
6	8447344	1	HANDRAIL ASSEMBLY .. 2nd. section rear of cab - Left side
7	8447353	1	HANDRAIL ASSEMBLY .. 2nd. section rear of cab - Right side
8	8447345	1	TUBE .. Handrail - 12 ft. 4 in. long
9	8379950	2	SUPPORT .. Handrail - 50-5/8 in. long
10	8379953	2	SUPPORT .. Handrail - 41 in. long
11	8447346	1	HANDRAIL ASSEMBLY .. 3rd. section rear of cab - Left side
12	8447354	1	HANDRAIL ASSEMBLY .. 3rd. section rear of cab - Right side
13	8447347	1	TUBE .. Handrail - 16 ft. 5-1/2 in. long
14	8379950	3	SUPPORT .. Handrail - 50-5/8 in. long
15	8379953	3	SUPPORT .. Handrail - 41 in. long
16	8447348	1	HANDRAIL ASSEMBLY .. 4th. section rear of cab - Left side
17	8447355	1	HANDRAIL ASSEMBLY .. 4th. section rear of cab - Right side
18	8447349	1	TUBE .. Handrail - 8 ft. 2-1/2 in. long
19	8379950	1	SUPPORT .. Handrail - 50-5/8 in. long
20	8379953	1	SUPPORT .. Handrail - 41 in. long
21	8447350	1	HANDRAIL ASSEMBLY .. 5th. section rear of cab - Left side
22	8447356	1	HANDRAIL ASSEMBLY .. 5th. section rear of cab - Right side
23	8447352	1	ROD .. Handrail - Offset
24	8447351	1	TUBE .. Handrail - Straight - 7 ft. 5-11/16 in. long
25	8447357	1	TUBE .. Handrail - Straight - 10 ft. 10-1/2 in. long
26	8379953	3	SUPPORT .. Handrail - 41 in. long
27	8379949	4	SUPPORT .. Handrail - 41 in. long
28	8379951	4	SUPPORT .. Handrail - 50-5/8 in. long
29	8192934	10	ANGLE .. Handrail support
30	8363186	16	BRACKET .. Handrail support
31	8304235	8	CLAMP .. Handrail support
32	179885	26	BOLT .. 1/2-13 x 1-1/2 hex. head
33	271609	54	BOLT .. 3/4-10 x 1-3/4 hex. head
34	103343	10	WASHER .. Plain - 1/2
35	8032745	26	NUT .. Lock - 1/2-13 self locking
36	8032747	4	NUT .. Lock - 5/8-11 self locking
37	8032748	54	NUT .. Lock - 3/4-10 self locking

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P.L. No. B2620-E

HANDRAILS AND SUPPORTS

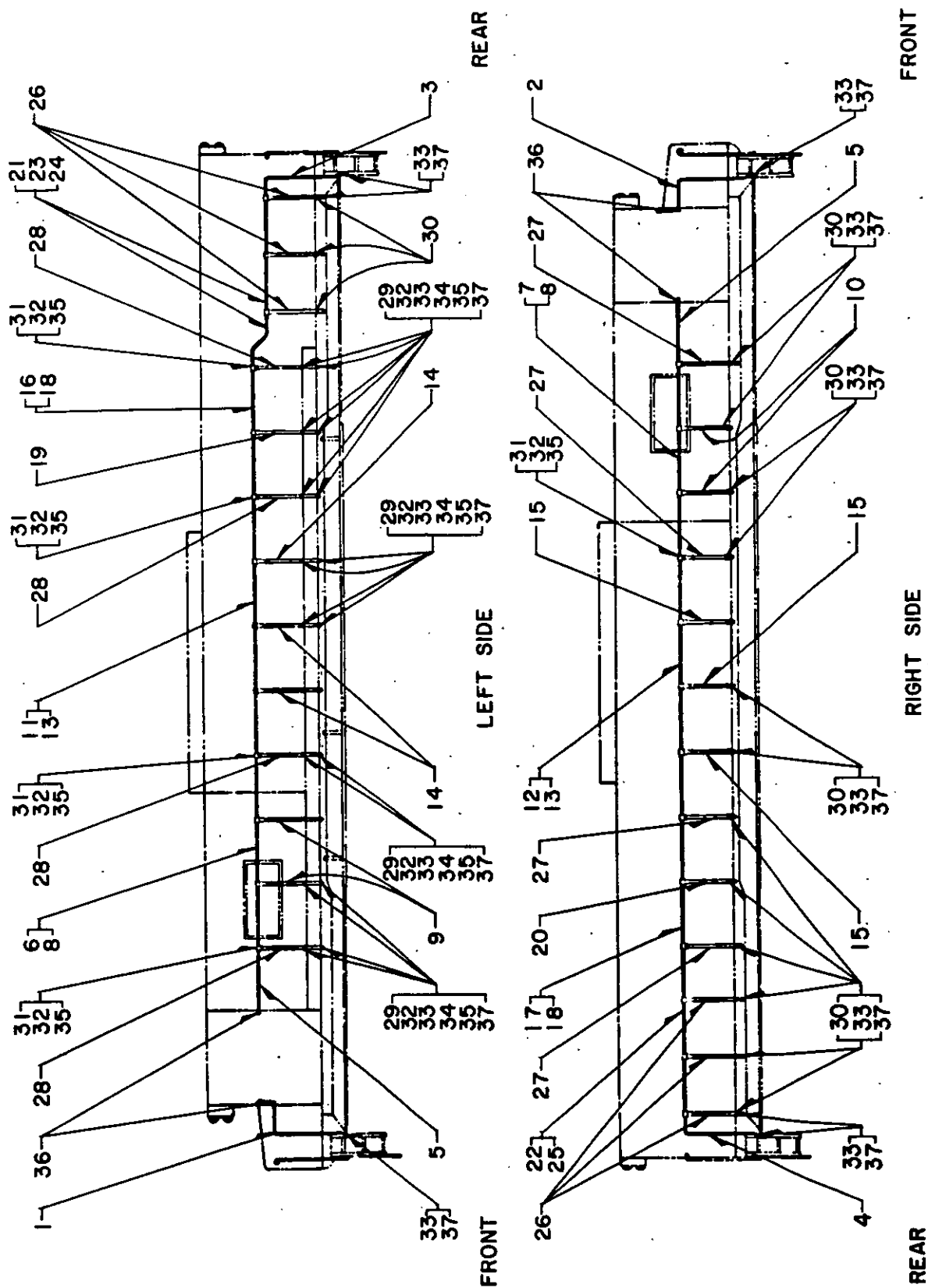


PLATE B2620-E-2

P.L. No. B2620-E

HANDRAILS AND SUPPORTS

Side Handrails and Supports

GT26CW-2 Locomotives

PLATE B2620-E-3

Ref. No.	Part Number	No. Req.	Description
# 1	8456751	1	HANDRAIL ASY. .. Left side - Includes mounting brkts. - 6 ft. 11-3/4 in. long
+ 1	9089572	1	HANDRAIL ASY. .. Left side - Includes mounting studs - 6 ft. 10-3/4 in. lg. - Straight
# 2	8456694	1	HANDRAIL ASY. .. Right side - Includes mounting bracket - 7 ft. 8-1/8 in. lg. - Offset
+ 2	9089571	1	HANDRAIL ASY. .. Right side - Includes mounting studs - 7 ft. 8-1/8 in. lg. - Straight
# 3	8453978	1	HANDRAIL ASY. .. Left side - Includes mounting studs - 4 ft. 3-1/16 in. long
+ 3	9089573	1	HANDRAIL ASY. .. Left side - Includes mounting studs - 6 ft. 10-3/4 in. lg. - Straight
4	8475356	1	HANDRAIL ASY. .. Right side - Includes mounting studs - 3 ft. 10-5/8 in. long
5	8475357	1	HANDRAIL ASY. .. Left side - Includes mounting studs - 3 ft. 6-7/8 in. long
6	8458351	1	HANDRAIL ASY. .. Right side - Includes mounting studs - 3 ft. 8-1/4 in. long
7	8458349	4	HANDRAIL ASY. .. Left and right sides - Includes mounting studs - 2 ft. 11-3/4 in. lg.
8	8458350	4	HANDRAIL ASY. .. Left and right sides - Includes mounting studs - 3 ft. 15/16 in. long
9	8458354	1	HANDRAIL ASY. .. Left side - Offset - Includes mounting studs
10	8458353	1	HANDRAIL ASY. .. Right side - Includes mounting studs - 6 ft. 9 in. long
11	8475767	2	HANDRAIL ASY. .. Left and right sides - Includes mounting studs - 16 ft. 11-1/2 in. lg.
*12	8325900	A.R.	PLUG .. End - Handrail
*13	8139623	A.R.	STIFFENER .. Handrail - 3/16 x 2 x 2 - 9/16 dia. hole
14	8475974	2	ANGLE .. Handrail mounting - 3/16 x 1-1/2 x 2-1/2 x 4 in.
15	8475975	1	ANGLE .. Handrail mounting - 3/16 x 1-1/2 x 2-1/2 x 8-1/2 in.
+ *16	9089574	1	ANGLE .. Handrail mounting - 3/16 x 1-1/2 x 2-1/2 x 6 in. - Chamfered - Appl. to Ref. No. 1
+ *17	9089575	2	ANGLE .. Handrail mounting - 3/16 x 1-1/2 x 2-1/2 x 4 in. - Chamfered - Applicable to Ref. Nos. 1 and 2
*18	- . . .	A.R.	COMPOUND .. Caulking - Handrail sealing 8198204 .. 1-1/2 pound can 8165001 .. 7-1/2 pound can
19	8475815	1	HANDRAIL ASSEMBLY .. Left side - Rear corner step
20	8429049	1	HANDRAIL .. Left side - 1st section from end
21	8385348	1	HANDRAIL .. Left side - 2nd section from end
22	8279953	1	SUPPORT .. Handrail - 41-21/32 in. long
23	8315564	2	TUBING .. Support to handrail spacer - 1-3/4 in. long
24	8475814	1	HANDRAIL ASSEMBLY .. Right side - Rear corner step
25	8429050	1	HANDRAIL .. Right side - 1st section from end
26	8385349	1	HANDRAIL .. Right side - 2nd section from end
27	8379953	1	SUPPORT .. Handrail - 41-21/32 in. long
28	8315564	2	TUBING .. Support to handrail spacer - 1-3/4 in. long
29	8475813	1	HANDRAIL .. Right side - Includes mounting feet - Rear of cab
30	8473588	1	HANDRAIL .. Left side - Front of cab
31	8473589	1	HANDRAIL .. Right side - Front of cab
32	8309690	3	BRACKET .. Handrail mounting
33	8309392	2	ANGLE .. Handrail support mounting
34	271609	18	BOLT .. 3/4-10 x 1-3/4 hex. head
35	271607	2	BOLT .. 3/4-10 x 1-1/2 hex. head
36	106267	3	WASHER .. Plain - 11/16 I.D.
37	8032747	1	NUT .. Lock - 5/8-11 hex.
38	8032748	20	NUT .. Lock - 3/4-10 hex.
39	271560	3	BOLT .. Handrail to cab structure - 5/8-11 x 1-3/4 hex. head
*40	179887	12	BOLT .. Handrail mounting - 1/2-13 x 1-3/4 hex. head
*41	8032745	A.R.	NUT .. Lock - Handrail mounting - 1/2-13 hex.

Applicable to locomotives equipped with Dynamic Brake.

+ Applicable to locomotives not equipped with Dynamic Brake.

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P.L. No. B2620-E

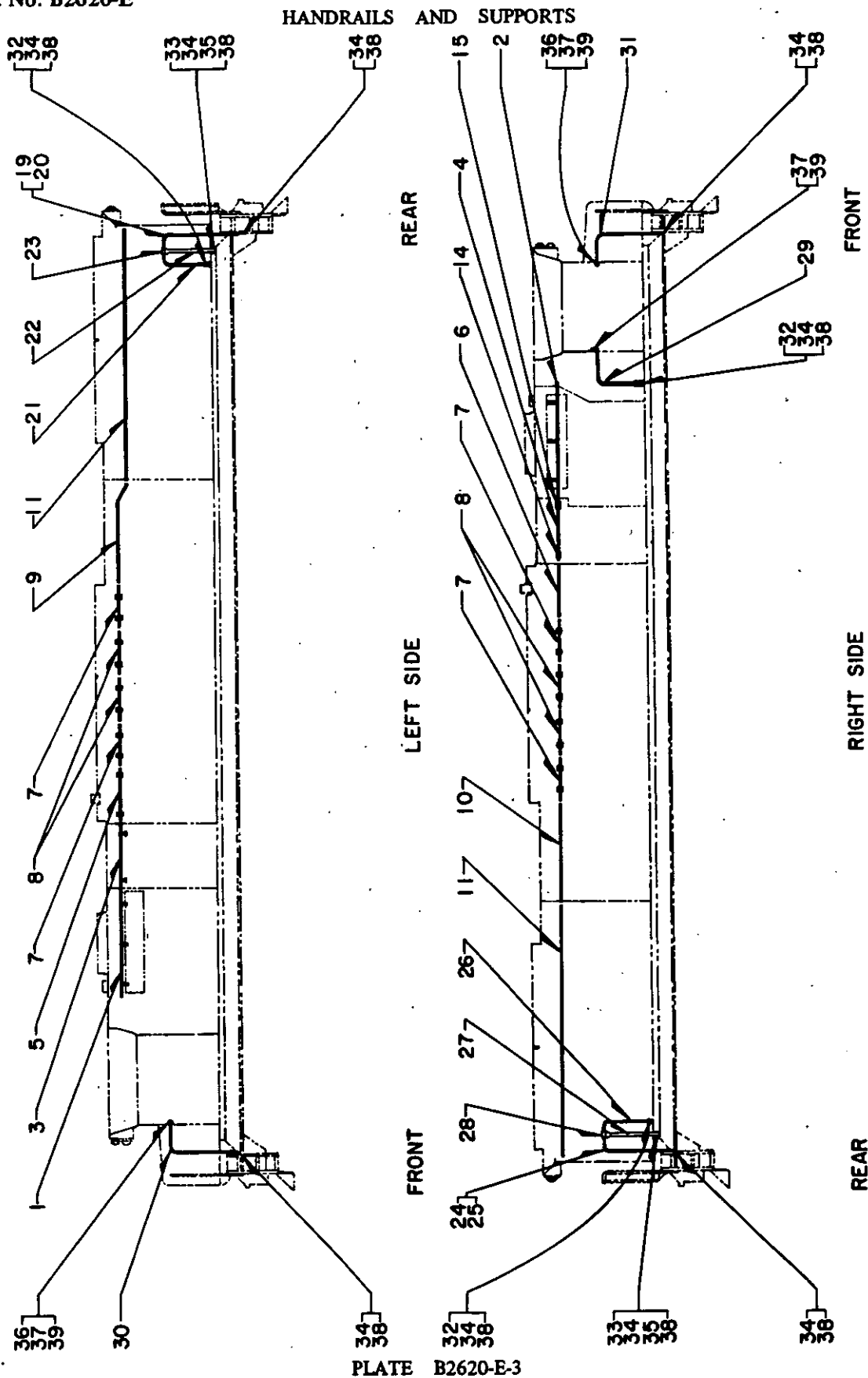


PLATE B2620-E-3

HANDRAILS AND SUPPORTS

Side Handrails and Supports
Underframe Mounted
G22CU Locomotives
PLATE B2620-E-4

Ref. No.	Part Number	No. Req.	Description
1	8405318	1	HANDRAIL .. Front of cab - Left side
2	8405319	1	HANDRAIL .. Front of cab - Right side
3	9392055	2	HANDRAIL .. Offset - 1st section rear of cab - Left and right sides
4	8469189	1	HANDRAIL ASSEMBLY .. Offset - 2nd section rear of cab - Left side
5	8469190	1	HANDRAIL ASSEMBLY .. Offset - 2nd section rear of cab - Right side
6	8392057	1	TUBE .. Handrail - Offset
7	8379953	3	SUPPORT .. Handrail - Overall length - 41-21/32 in.
8	8469264	2	HANDRAIL ASSEMBLY .. 3rd section rear of cab - Left and right side
9	8392059	1	TUBE .. Handrail - Straight - 7 ft. 11-1/2 in.
10	8379953	1	SUPPORT .. Handrail - Overall length - 41-21/32 in.
11	8469265	1	HANDRAIL ASSEMBLY .. 4th section rear of cab - Left side
12	8469266	1	HANDRAIL ASSEMBLY .. 4th section rear of cab - Right side
13	8392060	1	TUBE .. Handrail - Straight - 11 ft. 9-1/2 in.
14	8379953	2	SUPPORT .. Handrail - Overall length - 41-21/32 in.
15	8469007	1	HANDRAIL ASSEMBLY .. End - 5th section rear of cab - Left side
16	8469008	1	HANDRAIL ASSEMBLY .. End - 5th section rear of cab - Right side
17	8469191	1	HANDRAIL .. End - Left side
18	8469192	1	HANDRAIL .. End - Right side
19	8379953	1	SUPPORT .. Handrail - Overall length - 41-21/32 in.
20	8315564	1	TUBING .. Support to handrail spacer - 1-3/4 in. long
21	8379949	4	SUPPORT .. Handrail - Overall length - 42-13/32 in.
22	8304235	4	CLAMP .. Handrail support
23	8469247	14	BRACKET .. Handrail support mounting - 8 x 5 x 1/4 in.
24	8469248	6	BRACKET .. Handrail support mounting - 12-1/4 x 5 x 1/4 in.
*25	8469217	40	CHANNEL ASSEMBLY .. Handrail angle mounting - Includes nut - Welds to underframe
26	179881	80	BOLT .. Angle to channel - 1/2-13 x 1 hex. head
27	103323	80	WASHER .. Lock - 1/2
28	8275731	80	WASHER .. Plain - 17/32 I.D. x 1-1/8 O.D. x 3/16 in. thick
29	271609	44	BOLT .. Handrail support to angle and handrail to underframe side step - 3/4-10 x 1-3/4 hex. head
30	8032748	44	NUT .. Lock - 3/4-10 hex.
31	179885	8	BOLT .. Clamp to handrail support - 1/2-13 x 1-1/2 hex. head
32	8032747	4	NUT .. Lock - 5/8-11 hex.
33	8032745	8	NUT .. Lock - 1/2-13 hex.

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HANDRAILS AND SUPPORTS

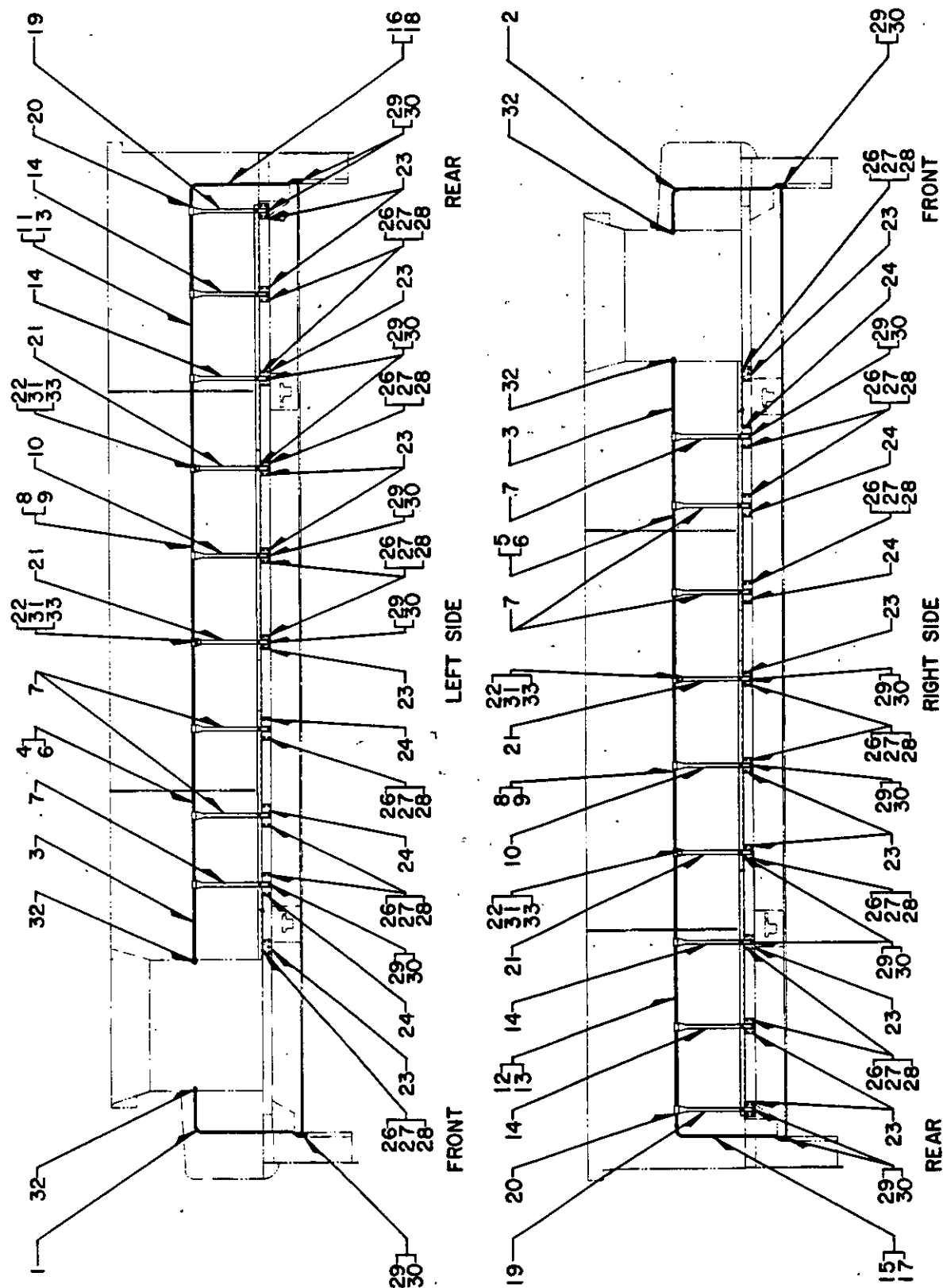


PLATE B2620-E-4

HANDRAIL AND SUPPORTS

Side Handrails and Supports

G26CW Locomotives

PLATE B2620-E-5

Ref. No.	Part Number	No. Req.	Description
1	8478900	1	HANDRAIL ASSEMBLY .. Left side rear of cab
2	8478901	1	HANDRAIL ASSEMBLY .. Right side rear of cab
3	271611	2	BOLT .. Handrail mounting - 3/4-10 x 2 hex. head
4	8032748	-	NUT .. Handrail mounting - Lock - 3/4-10 hex.
5	8309690	1	BRACKET .. Handrail - "U" shaped - 3 x 6-1/2 in.
6	8422216	1	HANDRAIL ASSEMBLY .. Left side front of cab
7	8422217	1	HANDRAIL ASSEMBLY .. Right side front of cab
8	8478902	1	HANDRAIL ASSEMBLY .. Rear corner step - Left side
9	8478903	1	HANDRAIL ASSEMBLY .. Rear corner step - Right side
10	8422214	1	HANDRAIL ASSEMBLY .. 1st section from end - Left side
11	8422215	1	HANDRAIL ASSEMBLY .. 1st section from end - Right side
12	8385348	1	HANDRAIL ASSEMBLY .. 2nd section from end - Left side
13	8385349	1	HANDRAIL ASSEMBLY .. 2nd section from end - Right side
14	8258472	1	SUPPORT .. Handrail - Overall length - 37-21/32 in.
15	8304238	1	BRACKET .. Handrail mounting
16	8309690	1	BRACKET .. Handrail mounting
17	8228677	1	BUSHING .. Handrail support mounting
18	271607	2	BOLT .. Handrail support bracket - 3/4-10 x 1-1/2 hex. head
19	271611	2	BOLT .. Handrail to bracket - 3/4-10 x 2 hex. head
20	8032748	4	NUT .. Lock - 3/4-10 hex.
21	271611	4	BOLT .. Handrail mounting - 3/4-10 x 2 hex. head
22	8032748	4	NUT .. Handrail mounting - Lock - 3/4-10 hex.
23	8032747	4	NUT .. Handrail mounting - Lock - 5/8-11 hex.
24	8387013	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Cooling compartment - Left and right side - 12 ft. 2 in. long
25	8375849	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 33-1/4 in. long
26	8254422	6	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 36-5/16 in. long
27	8383943	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 35-3/4 in. long
28	8383942	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 44-7/8 in. long
29	8384005	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 32-5/8 in. long
# 30	8392462	2	HANDRAIL ASSEMBLY .. Includes mounting studs and end plug - Offset - Left and right sides
+ 30	8429826	2	HANDRAIL ASSEMBLY .. Includes mounting studs - Left and right sides - 62 in. long
*31	8325900	28	PLUG .. End - Handrail
*32	9416517	28	NUT .. Lock - 1/2-13 hex. - Plain
*33	9416536	4	NUT .. Lock - 1/2-13 hex. - Cadmium
*34	120396	4	WASHER .. Plain - 1/2 in.

Applicable to locomotives equipped with Dynamic Brake.

+ Applicable to locomotives not equipped with Dynamic Brake.

LXO 713286
18333

P.L. No. B2620-E

HANDRAIL AND SUPPORTS

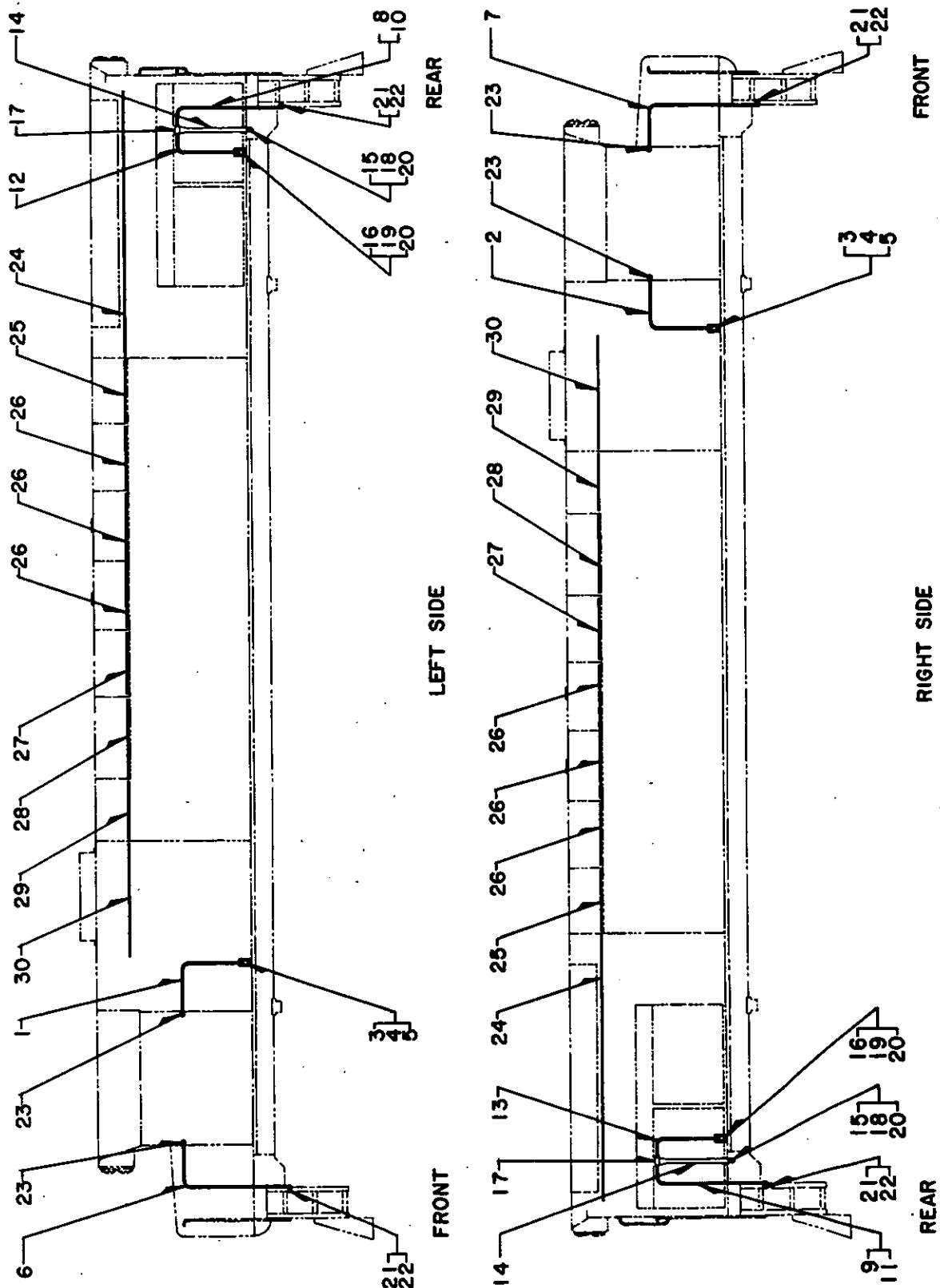


PLATE B2620-E-5

COUPLER AND DRAFT GEAR

IX M6 Automatic Coupler, Draft Gear and Uncoupler
G18U, GA18 and G22CU Locomotives

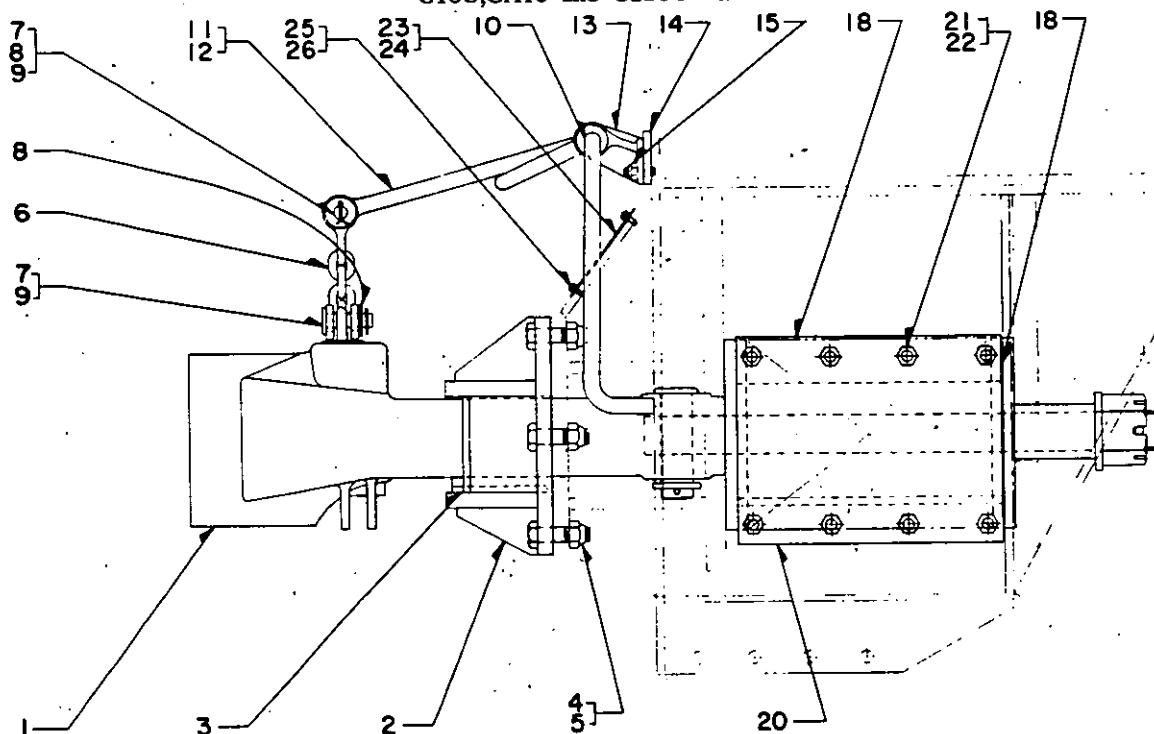


PLATE B2711-E-1

Ref. No.	Part Number	No. Req.	Description
		A -	GA18 and G22CU locomotives
		B -	G18U locomotives
1	8300656	2 2	COUPLER .. Automatic - IX M6 - Includes draft gear
2	8301816	2 2	CARRIAGE ASSEMBLY .. Front - Coupler
3	8301813	2 2	PLATE .. Wear - 3/8 in. x 5-1/2 in. x 11 in.
4	271703	16 16	BOLT .. 1-8 x 3-1/4 hex. head
5	9335021	16 16	NUT .. Lock - 1-8 hex.
6	8300901	2 -	CHAIN ASSEMBLY .. Uncoupler - Includes clevis
* 6	9320307	- 2	CHAIN ASSEMBLY .. Uncoupler - Includes clevis
7	8300902	4 4	PIN .. Clevis
8	106268	4 4	WASHER .. Plain - 13/16 I.D.
9	120123	4 4	PIN .. Cotter - 1/8 x 1-1/4 in. long
10	8300904	2 -	LEVER .. Uncoupler - Left front and right rear
* 10	9320506	- 2	LEVER .. Uncoupler - Left front and right rear
11	8346130	2 -	LEVER .. Uncoupler - Right front and left rear - GA18 only
* 11	9320507	- 2	LEVER .. Uncoupler - Left front and right rear
12	8300905	2 -	LEVER .. Uncoupler - Right front and left rear - G22CU only
13	8141519	8 -	BRACKET .. Uncoupler rod
* 13	9520075	- 8	BRACKET .. Uncoupler rod
14	8271211	8 -	PLATE ASSEMBLY .. Stud - Welds to end plate
15	8014340	16 -	STUD .. 1/2-13 x 1-7/8 in. long
* 15	179885	- 16	BOLT .. 1/2-13 x 1-1/2 in. hex. head
16	9335017	16 16	NUT .. Lock - 1/2-13 hex.
* 17	106270	8 8	WASHER .. Plain - 1-1/16 I.D. - Welds to uncoupler rod at outer bracket
18	8300898	4 4	PLATE .. Wear - Draft gear - 1/2 in. x 13-1/4 in. x 16-3/16 in.
19	8300899	4 4	PLATE .. Draft gear guide - 3/4 in. x 3 in. x 16-3/16 in.
20	8300839	4 4	ANGLE .. Draft gear support
21	271614	32 32	BOLT .. 3/4-10 x 2-3/4 hex. head
22	9335017	32 32	NUT .. Lock - 3/4-10 hex.
23	8348242	2 -	PLATE .. Cover - GA18 only
24	8301888	2 2	PLATE .. Cover - G22CU and G18U only
25	179837	8 8	BOLT .. 3/8-16 x 3/4 hex. head
26	103321	8 8	WASHER .. Lock - 3/8
20666	20788	9320571	33546

AUGUST, 1980

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

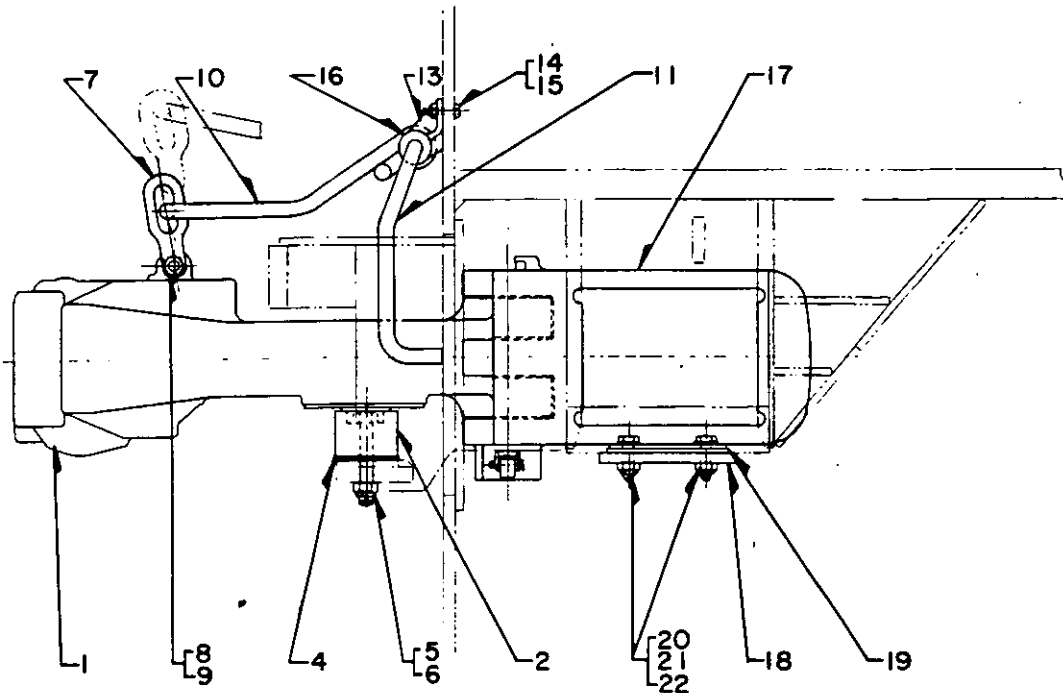
Type AP Coupler, Draft Gear and Uncoupler - Non-Alignment Control
G18U and G18W Locomotives

PLATE B2711-E-2

Ref. No.	Part Number	No. Req.	Description
		A -	G18U locomotives
		B -	G18U locomotives
		C -	G18W locomotives
1	8278959	2 -	COUPLER .. Type AP - Non-Alignment control - See page 22
* 1	8358132	- 2 -	COUPLER .. Type AP - Non-Alignment control - See page 22
* 1	8263359	- - 2	COUPLER .. Type AP - Non-Alignment control - See page 22
2	8476392	2 -	CARRIER ASSEMBLY .. Coupler
* 2	8263421	- 2 2	CARRIER ASSEMBLY .. Coupler
* 3	8476391	2 -	PLATE .. Wear
* 3	8263423	- 2 2	PLATE .. Wear
4		2 -	SHIM .. Carrier alignment - 3 in. x 3 in. long 8366916 - 16 ga. - 8092901 - 1/2 in. - 8369057 - 11 ga.
* 4	8263424	- A.R.	SHIM .. Carrier alignment - 11 ga.
5	272560	4 -	BOLT .. 1-8 x 5-1/2 hex. head - Carrier assembly to underframe
* 5	271613	- 4 4	BOLT .. 3/4-10 x 2-1/2 in. hex. head - Carrier assembly to underframe
* 5A	103346	- 4 4	WASHER .. 13/16 in. plain
6	9335021	4 -	NUT .. 1-8 self-locking
* 6	9335017	- 8 8	NUT .. 3/4-10 self-locking
7	8024774	2 2 2	CLEVIS .. Uncoupler
8	271615	2 -	BOLT .. 3/4-10 x 3 in. hex. head - Clevis to lock lifter assembly
* 8	271616	- 2 2	BOLT .. 3/4-10 x 3-1/4 in. hex. head - Clevis to lock lifter assembly
9	9335017	2 2 2	NUT .. 3/4-10 self-locking
10	8476387	2 -	BAIL .. Uncoupler
* 10	8263426	- 2 -	BAIL .. Uncoupler
* 10	8496289	- - 2	BAIL .. Uncoupler
11	8429194	2 -	LEVER .. Coupler - Left front and right rear
* 11	8206282	- 2 -	LEVER .. Coupler - Left front and right rear
* 11	8405561	- - 2	LEVER .. Coupler - Left front and right rear

8476393, 8426430, 20982, 9317010, 33170

COUPLER AND DRAFT GEAR

Ref. No.	Part Number	No. Req.	Description		
			A	B	C
*12	8429195	1	-	-	LEVER .. Coupler - Right front and left rear
*12	8206283	-	1	-	LEVER .. Coupler - Right front and left rear
*12	8405562	-	-	1	LEVER .. Coupler - Right front and left rear
13	8177663	8	8	8	BRACKET .. Uncoupling rod
14	179885	16	16	16	BOLT .. 1/2-13 x 1-1/2 hex. head - Bracket to end plate
15	9335011	16	16	16	NUT .. 1/2-13 self-locking
16	106270	8	8	8	WASHER .. Plain - 1 inch - Welds to uncoupler rod at outer uncoupler bracket
17	8252488	2	-	-	DRAFT GEAR AND YOKE ASSEMBLY .. See page 28
*17	8263422	-	2	2	DRAFT GEAR AND YOKE ASSEMBLY .. See page 28
18	8476389	2	-	-	DRAFT GEAR CARRIER ASSEMBLY
*18	8263420	-	2	2	DRAFT GEAR CARRIER ASSEMBLY
19	8191348	2	-	-	PLATE .. Wear - Welds to carrier plate
*19	8263418	-	2	2	PLATE .. Wear - Welds to carrier plate
20	271613	8	8	8	BOLT .. 3/4-10 x 2-1/2 hex. head - Carrier assembly to underframe
21	103346	8	8	8	WASHER .. Plain - 13/16 I.D.
22	9335017	8	8	8	NUT .. 3/4-10 self-locking
*23	8267627	-	2	2	PLATE .. Retaining - At top end of draft gear

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Type F Coupler, Draft Gear and Uncoupler - Non-Alignment Control
GT26CU-2 Locomotive

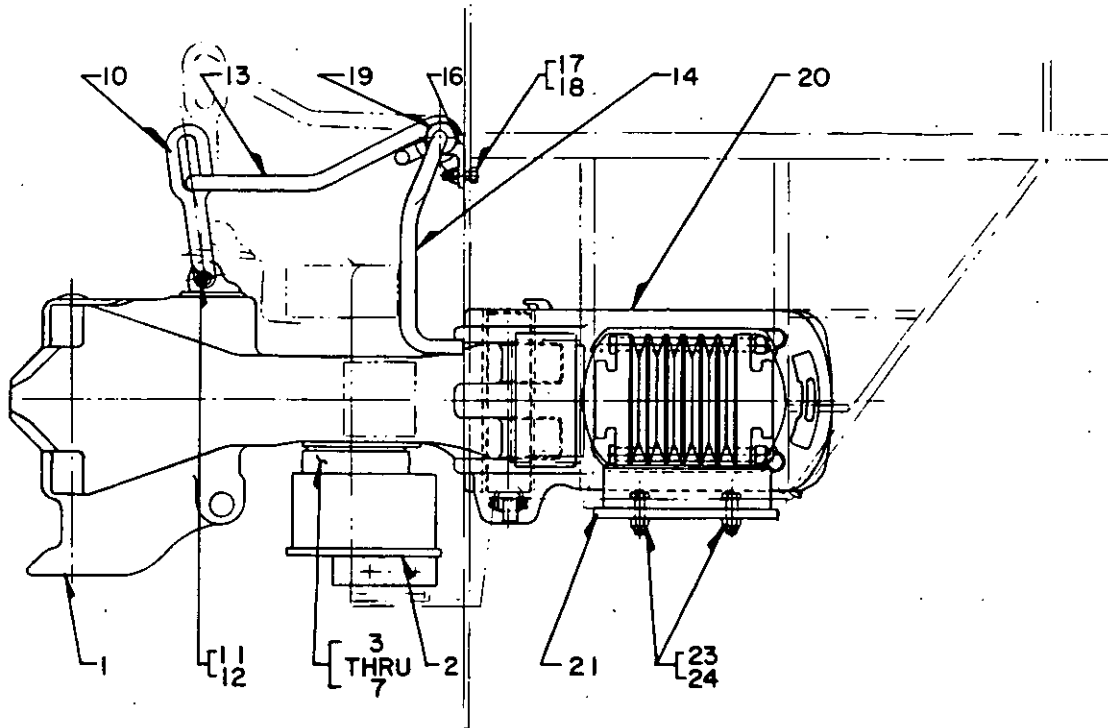


PLATE B2711-E-3

Ref. No.	Part Number	No. Req.	Description
1	8309359	2	COUPLER .. F type - Non-alignment control
2	8437556	2	CARRIER ASSEMBLY .. Coupler
3	8437561	2	PLATE ASSEMBLY .. Top of carrier
4	8054617	6	SPRING .. Carrier assembly
5	272562	4	BOLT .. 1-8 x 9 in. hex. head
6	106270	4	WASHER .. Plain - 1 inch.
7	9416526	4	NUT .. Lock - 1-8 hex.
* 8	271613	8	BOLT .. 3/4-10 x 2-1/2 hex. head - Carrier assembly to underframe
* 9	9416522	8	NUT .. Lock - 3/4-10 hex.
10	8062282	2	CLEVIS .. Uncoupler
11	271616	2	BOLT .. 3/4-10 x 3-1/4 hex. head - Clevis to lock lifter assembly
12	8032748	2	NUT .. 3/4-10
13	8278961	2	BAIL .. Uncoupler
14	8206282	2	LEVER .. Coupler - Left front and right rear
*15	8206283	2	LEVER .. Coupler - Right front and left rear
16	8177663	8	BRACKET .. Uncoupler rod
17	179887	16	BOLT .. 1/2-13 x 1-3/4 hex. head - Bracket to end plate
18	8032745	16	NUT .. 1/2-13
19	106270	8	WASHER .. Plain - 1 inch - Welds to uncoupler rod at outer uncoupler rod bracket
20	8439090	2	DRAFT GEAR AND YOKE ASSEMBLY .. See Page 30
21	8437700	2	SUPPORT ASSEMBLY .. Draft gear
*22	8308429	2	PLATE .. Wear
23	271613	8	BOLT .. 3/4-10 x 2-1/2 hex. head - Draft gear support assembly
24	8032748	8	NUT .. 3/4-10

8485699

COUPLER AND DRAFT GEAR

Type F Coupler, Draft Gear and Uncoupler - Alignment Control
G26CU Locomotives

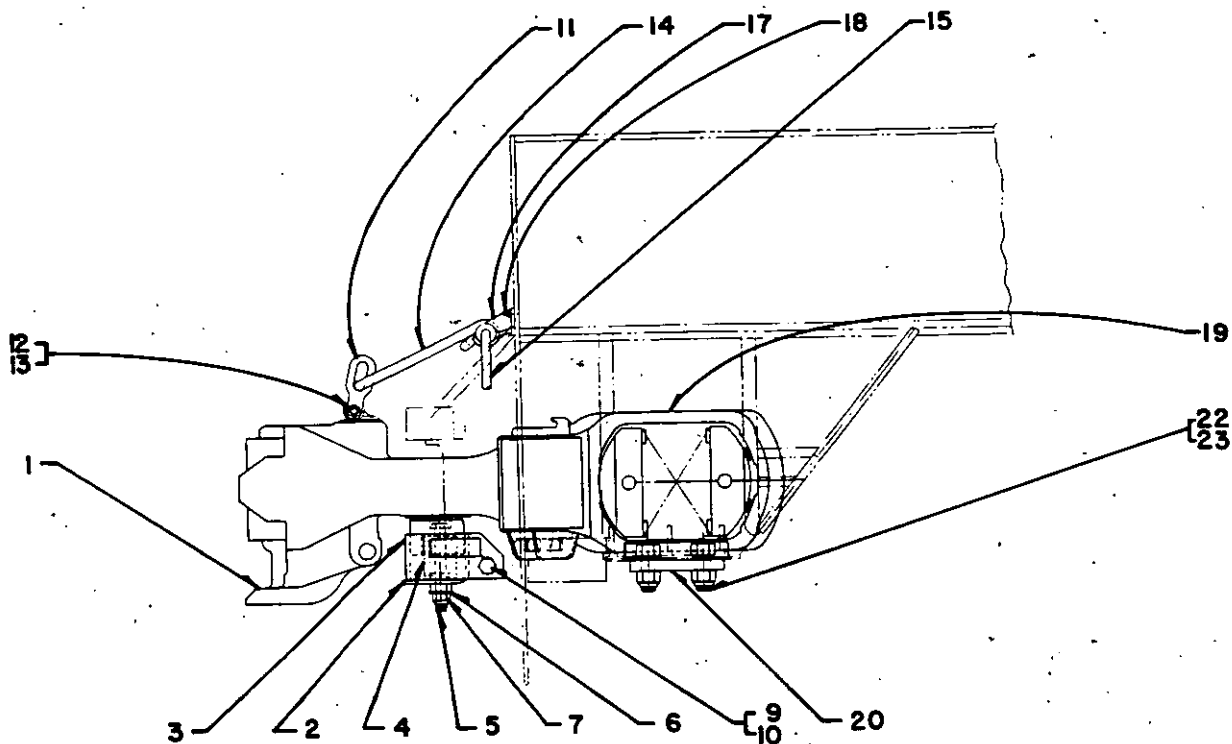


PLATE B2711E-4

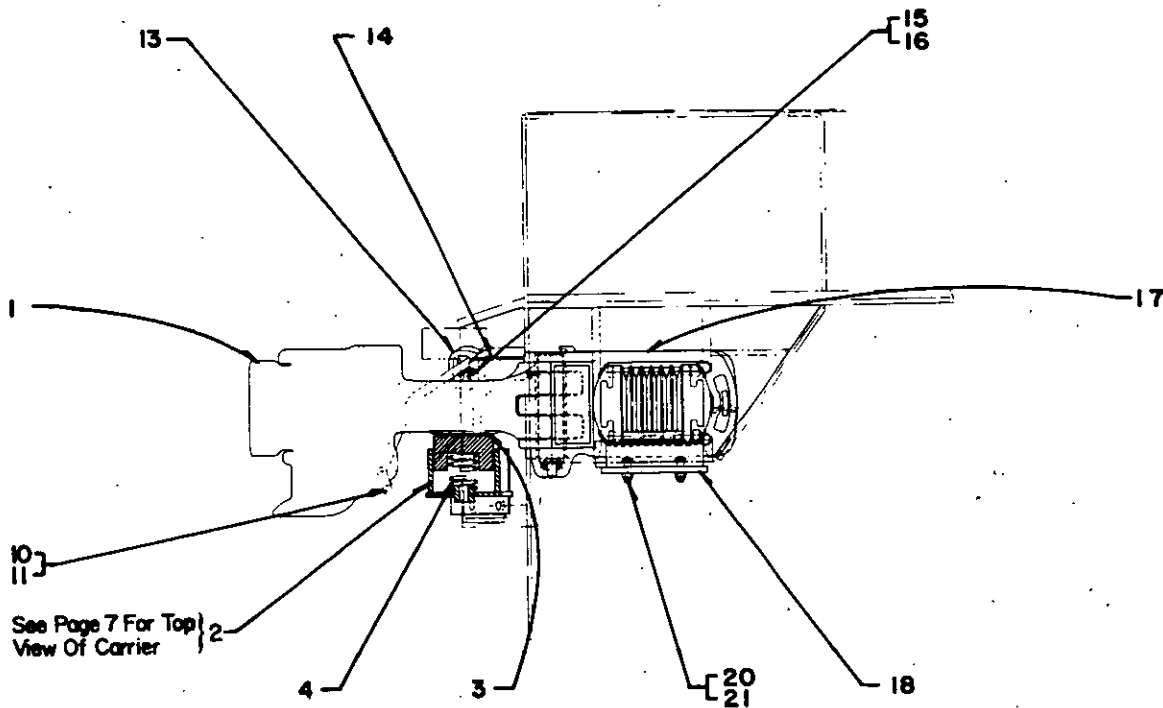
Ref. No.	Part Number	No. Req.	Description
1	6915379	2	COUPLER .. F type - Alignment control - See page 23
2	8460570	2	CARRIER ASSEMBLY .. Coupler
3	8460572	2	PLATE ASSEMBLY .. Top of carrier
4	8054617	6	SPRING .. Carrier assembly
5	8466983	4	BOLT .. 1-8 x 9 in. hex. head
6	106270	4	WASHER .. Plain - 1-1/16 in.
7	8032750	4	NUT .. 1-8 self-locking
* 8	8259607	AR	SHIM .. 20 ga.
9	272819	4	BOLT .. 1-1/8-7 x 4-1/4 in. hex. head
10	9421259	4	NUT .. 1-1/8-7 self-locking
11	8024774	2	CLEVIS .. Uncoupler
12	271616	2	BOLT .. 3/4-10 x 3-1/4 in. hex. head
13	9335017	2	NUT .. 3/4-10 self-locking
14	8499667	2	BAIL .. Uncoupler
15	8387667	2	LEVER .. Coupler - Left front and right rear
*16	8387666	2	LEVER .. Coupler - Right front and left rear
17	9520075	8	BRACKET .. Uncoupler rods
18	8032745	16	NUT .. 1/2 - 13 self-locking
19	8420236	2	DRAFT GEAR AND YOKE ASSEMBLY .. See page 31
20	8448165	2	SUPPORT ASSEMBLY .. Draft gear
*21	8424680	2	PLATE .. Wear
22	272517	8	BOLT .. 1-1/2-6 x 3-1/2 in. hex. head
23	9335026	8	NUT .. 1-1/2 - 6 self-locking

8499668

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

**Type F Coupler, Draft Gear and Uncoupler - Non-Alignment Control
PLATES/B2711-E-5 and B2711-E-6
G26CU Locomotives**



COUPLER AND DRAFT GEAR

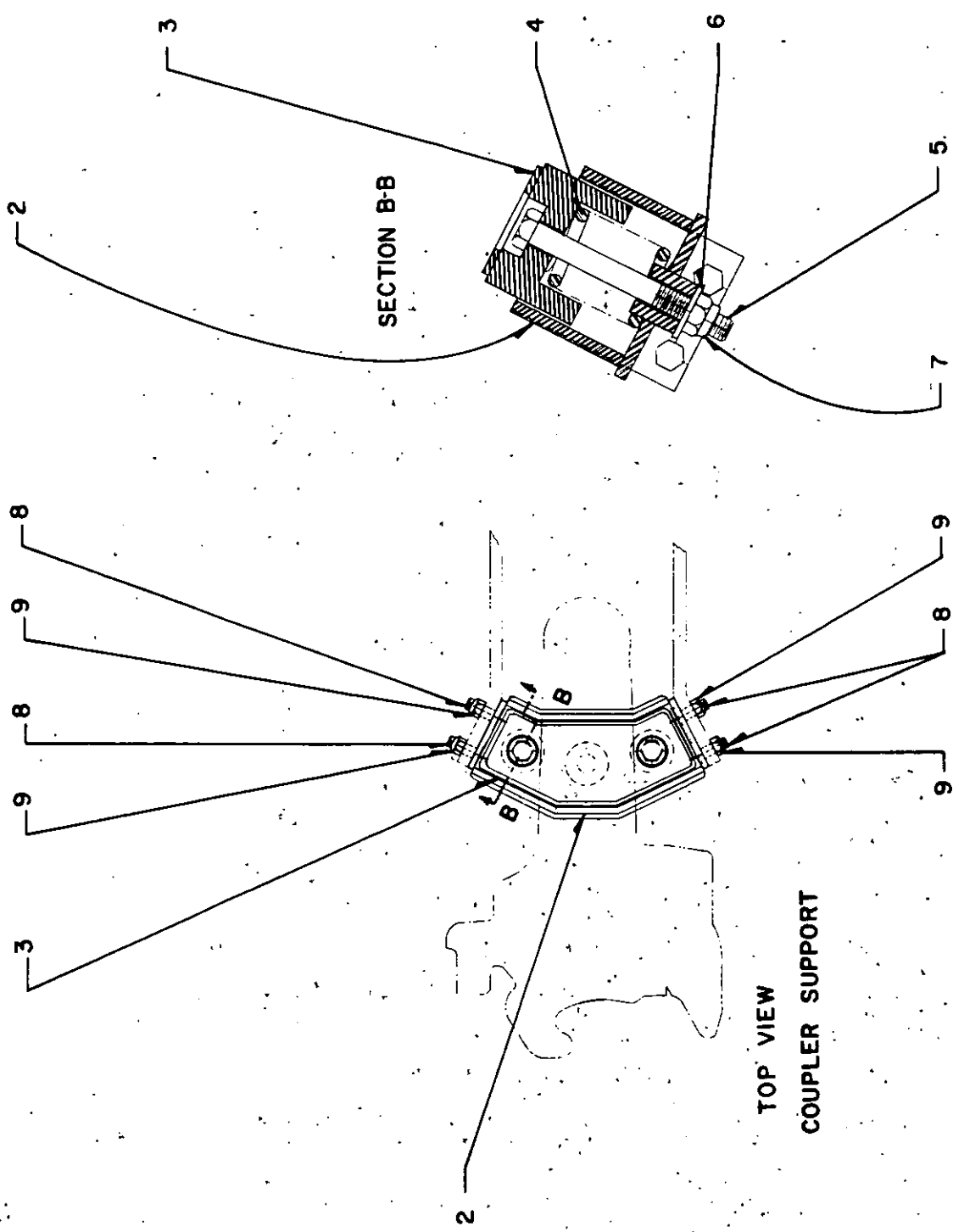


PLATE B2711-E-6

P.L. No. B2711 - E

COUPLER AND DRAFT GEAR

Type E Coupler, Draft Gear and Uncoupler - Alignment Control
G22CU and GT22CU Locomotives

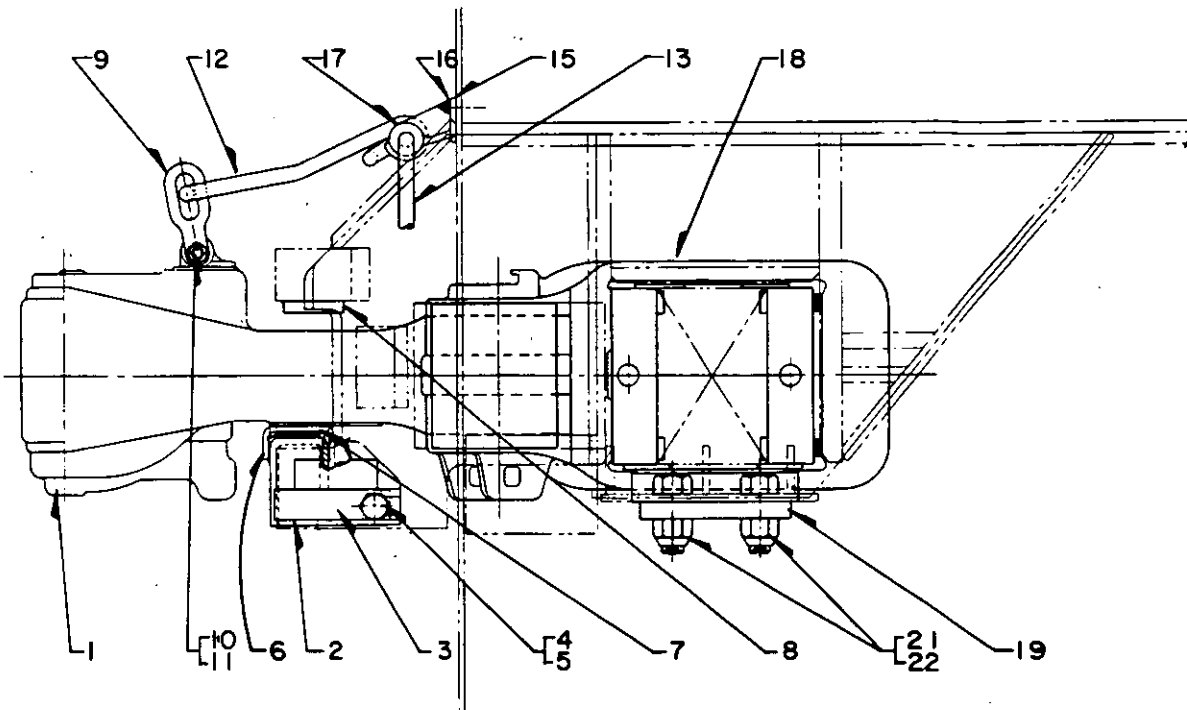


PLATE B2711 - E - 7

Ref. No.	Part Number	No. Req.	Description
1	8219072	2	COUPLER .. Type E - Alignment control - See page 23
2	8336798	2	CARRIER .. Coupler - See page 34
3	8259607	4	SHIM .. Coupler carrier sides
4	272819	4	BOLT .. 1-1/8 - 7 x 4-1/4 hex. head - Shim to carrier sides
5	8032751	4	NUT .. Lock - 1-1/8 - 7 hex.
6	8336782	2	PLATE .. Wear - Top of carrier
7	.....	2	PAD .. Spacer 12-5/8 in. x 3 in. - Tack weld to top of carrier 8337564 - 11 ga. 8411663 - 1/4 inch 8337565 - 16 ga. 8411664 - 1/2 inch
8	8336784	2	PAD .. Striking - 1 inch thick - Welded to draft gear pocket above coupler
9	8024774	2	CLEVIS .. Uncoupler
10	271616	2	BOLT .. 3/4 - 10 x 3-1/4 hex. head - Clevis to lock lifter assembly
11	8032748	2	NUT .. Lock - 3/4 - 10
12	8305902	2	BAIL .. Uncoupler
13	8387667	2	LEVER .. Uncoupler - Left front and right rear
*14	8387666	2	LEVER .. Uncoupler - Right front and left rear
15	8141519	8	BRACKET .. Uncoupler lever
16	8032745	16	NUT .. Lock - 1/2 - 13 hex. - Uncoupler lever bracket to end plate
17	106270	8	WASHER .. Plain - 1 inch - Welds to uncoupler rod at outer uncoupler rod bracket
18	8420238	2	DRAFT GEAR AND YOKE ASSEMBLY .. See page 30
19	8448165	2	SUPPORT ASSEMBLY .. Draft gear
*20	8424680	2	PLATE .. Wear - Welds to support plate
21	272517	8	BOLT .. 1-1/2 - 6 x 3-1/2 hex. head - Support assembly to underframe
22	8032754	8	NUT .. Lock - 1-1/2 - 6 hex.

8469293

COUPLER AND DRAFT GEAR

"E" Coupler, Draft Gear and Uncoupler - Non-Alignment Control
G18U, G22CW and G22W Locomotives
PLATE B2711-E-8 and B2711-E-9

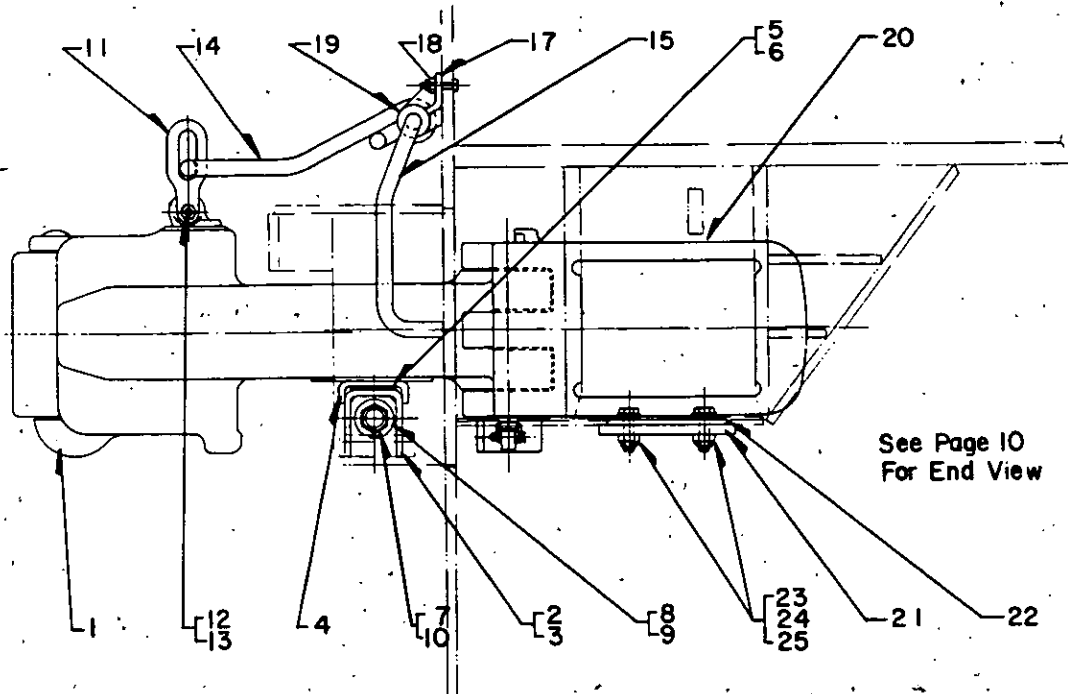


PLATE B2711-E-8

Ref. No.	Part Number	No. Req.	Description
		A	G18U
		B	G22CW
		C	G22W
1	8176933	2 2 2	COUPLER .. Type E - Non-alignment control - See page 23
2	8278661	2 2 2	CARRIER ASSEMBLY .. Coupler
3	8278662	2 2 2	HOLDER ASSEMBLY .. Carrier - See page 34
4	8245100	2 2 2	PLATE .. Wear
5	8245101	2 2 2	PLATE .. Filler - 11 ga. x 3-1/16 in. x 10-5/8 in.
6	8245102	2 2 2	PLATE .. Filler - 16 ga. x 3-1/16 in. x 10-5/8 in.
7	8421929	2 2 2	ROD .. 1-1/8 - 7 x 18-1/2 - Carrier mounting
8	446283	3 4 2	WASHER .. Plain
9	8293004	A.R.	SHIM .. 16 ga. - Between carrier and underframe
10	8032751	4 4 4	NUT .. 1-1/8 - 7 self-locking
11	8024774	2 2 2	CLEVIS .. Uncoupler
12	271615	2 2 2	BOLT .. 3/4 - 10 x 3 in. hex. head - Clevis to lock lifter
13	9335017	2 2 2	NUT .. 3/4 - 10 self-locking
14	8488829	2 - -	BAIL .. Uncoupler
*14	8278961	- 2 -	BAIL .. Uncoupler
*14	9327921	- - 2	BAIL .. Uncoupler
15	8385430	2 2 -	LEVER .. Uncoupler - Left front and right rear
*15	9327919	- - 2	LEVER .. Uncoupler - Left front and right rear
16	8385431	2 2 -	LEVER .. Uncoupler - Right front and left rear
*16	9327920	- - 2	LEVER .. Uncoupler - Right front and left rear
17	8177663	8 8 8	BRACKET .. Uncoupler lever
18	9335011	16 16 16	NUT .. 1/2 - 13 self-locking
19	106270	8 8 8	WASHER .. Plain - 1 inch - Welds to uncoupler rod at outer uncoupler rod bracket
20	8252488	2 2 2	DRAFT GEAR AND YOKE ASSEMBLY .. See page 28
8489053	9317759	33233	9319609
			33656

P.L. No. B2711 - E

COUPLER AND DRAFT GEAR

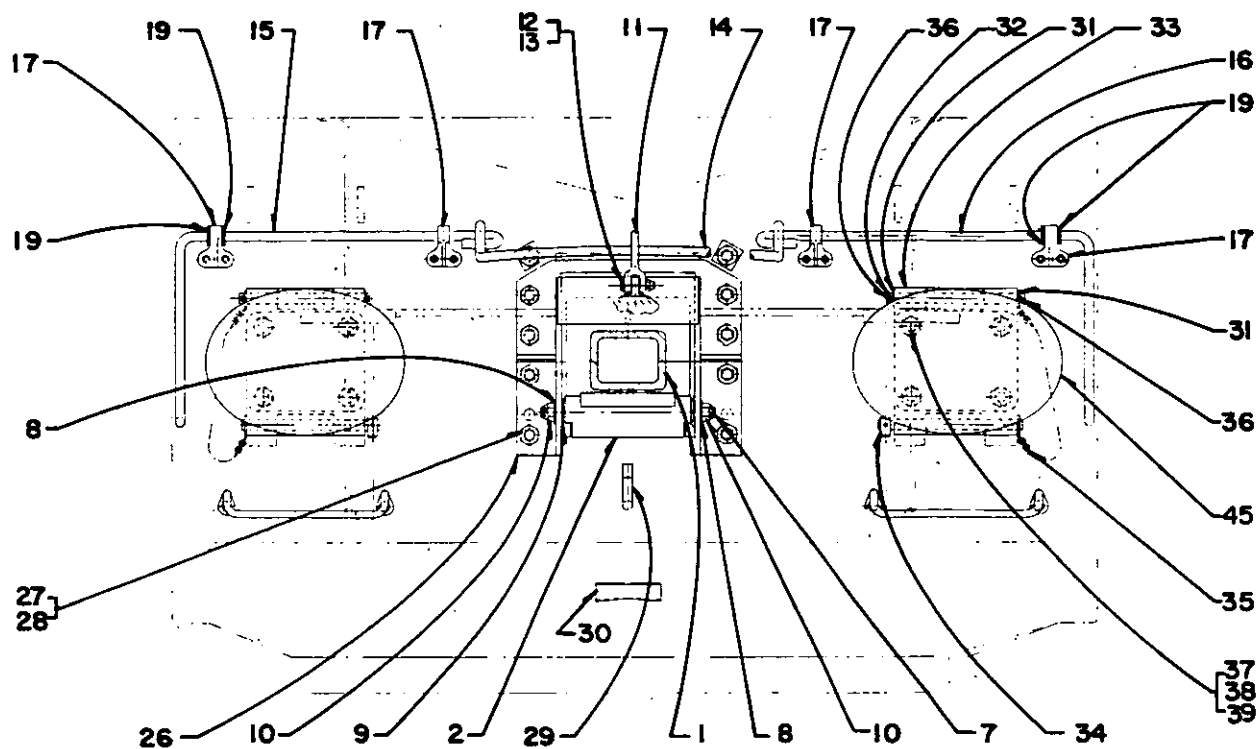


PLATE B2711 - E - 9

Ref. No.	Part Number	No. Req.	Description
	A	B	C
21	8191346	2 2	CARRIER ASSEMBLY .. Draft gear
*21	9327918	- - 2	CARRIER ASSEMBLY .. Draft gear
22	8191348	2 2 2	PLATE .. Wear - Welds to carrier plate
23	271613	8 8 -	BOLT .. 3/4 - 10 x 2-1/2 hex. head - Carrier asm. to underframe
*23	271617	- - 8	BOLT .. 3/4 - 10 x 3-1/2 hex. head - Carrier asm. to underframe
24	103346	8 8 8	WASHER .. Plain - 13/16 in. I.D.
25	9335017	8 8 8	NUT .. 3/4 - 10 self-locking
26	9319617	- - 2	STRIKER PLATE ASSEMBLY
27	272527	- - 16	BOLT .. 1-1/4 - 7 x 3-1/4 in. hex. head
28	8032752	- - 16	NUT .. 1-1/4 - 7 hex. head
29	8233953	- - 2	HOOK .. Draw hook linkage support
30	8233954	- - 2	PLATE .. Guide
31	446283	- - 8	WASHER .. Plain
32	8312612	- - 4	PIN .. Hinge
33	8312607	- - 4	HINGE ASSEMBLY .. Buffer
34	8312604	- - 4	PIN ASSEMBLY .. Buffer
35	8312606	- - 4	CHAIN ASSEMBLY .. Buffer keeper pin
36	103421	- - 8	PIN .. Cotter - 1/4 x 1-3/4 in. long
37	271705	- - 16	BOLT .. 1 - 8 x 3-3/4 hex. head
38	103348	- - 16	WASHER .. Plain
39	8035139	- - 16	NUT .. 1 - 8 hex. head
*40	8486347	- - 4	HOOK ASSEMBLY .. Draw
*41	8233439	- - 4	SCREW .. Coupling
*42	9326761	- - 4	PAD .. At top of draft gear
*43	271570	- - 8	BOLT .. 5/8 - 11 x 4 in. hex. head
*44	9335015	- - 8	NUT .. 5/8 - 11 hex. head - self-locking
45	8312381	- - 2	BUFFER ASY... Hinged

9319609

B2711 - E

10

AUGUST, 1980

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

"G" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Operated
GT26CW Locomotives

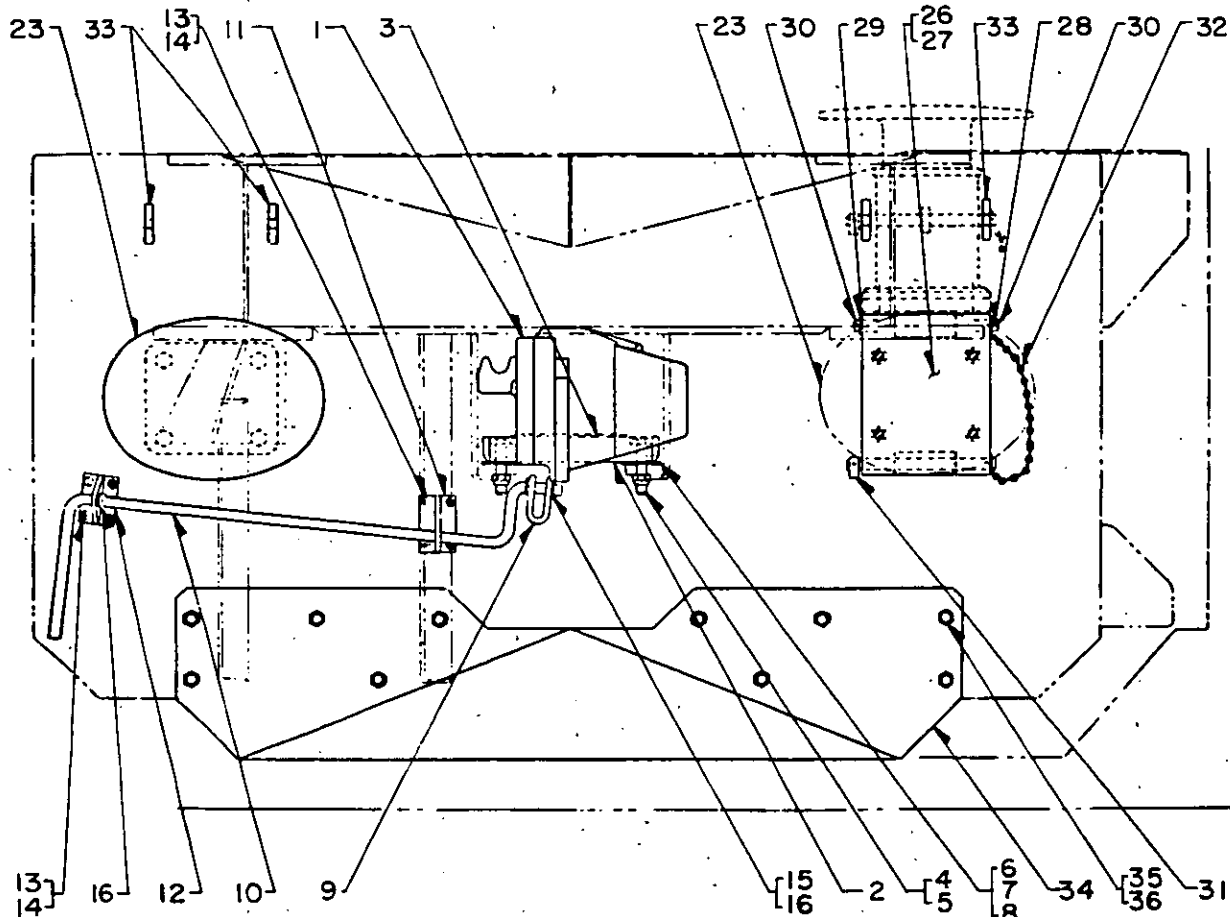


PLATE B2711-E-10

Ref. No.	Part Number	No. Req.	Description
1	8445697	2	COUPLER .. "G" - Bottom operated - See Page 25
2	8446843	2	CARRIER ASSEMBLY .. Coupler
3	8446845	2	PLATE .. Wear - 1/4 in. x 3 in. x 10 in.
4	271708	4	BOLT .. 1-8 x 4-1/2 hex. head
5	9416526	4	NUT .. Lock - 1-8 hex.
6	8366916	A.R.	PAD .. Carrier shim - 16 ga. x 3 in. x 3 in.
7	8369057	A.R.	PAD .. Carrier shim - 11 ga. x 3 in. x 3 in.
8	8342489	A.R.	PAD .. Carrier shim - 1/4 in. x 3 in. x 3 in.
9	8406997	2	CHAIN ASSEMBLY .. Uncoupler - Includes clevis
10	8406996	2	ROD .. Uncoupler - Right front and left rear
11	8406625	2	BRACKET .. Uncoupler rod - Inner - Right front and left rear
12	8406626	2	BRACKET .. Uncoupler rod - Outer - Right front and left rear
13	179887	16	BOLT .. 1/2-13 x 1-3/4 hex. head
14	9416517	16	NUT .. Lock - 1/2-13 hex.
15	103348	8	WASHER .. Plain - 1 inch
16	103421	2	PIN .. Cotter - 1/4 x 1-3/4 in. long
*17	8252488	2	GEAR ASSEMBLY .. Draft - MS-485-6A - See Page 28
*18	8191346	2	PLATE ASSEMBLY .. Draft gear carrier - 3/4 in. x 9 in. x 20-3/4 in.
*19	8191348	2	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*20	271613	8	BOLT .. Plate mounting - 3/4-10 x 2-1/2 hex. head
*21	103346	8	WASHER .. Plain - 13/16 I.D.

8446842A 8443537 8383797

P.L. No. B2711 - E

COUPLER AND DRAFT GEAR

Ref. No.	Part Number	No. Req.	Description
*22	9416522	8	NUT .. Lock - 3/4-10 hex.
23	8312381	4	BUFFER .. Friction - B-18-WA
24	271705	16	BOLT .. 1-8 x 3-3/4 hex. head
25	9416526	16	NUT .. Lock - 1-8 hex.
26	8444937	8	HINGE .. Buffer
27	8444930	8	BLOCK .. Hinge - Welds to end plate
28	8312612	4	PIN .. Hinge - 1-1/8 in. dia. x 14 in. long (Drilled both ends)
29	446283	4	WASHER .. Plain - 1-3/16 I.D.
30	103421	8	PIN .. Cotter - 1/4 x 1-3/4 in. long
31	8312604	4	PIN ASSEMBLY .. Buffer keeper
32	8312606	4	CHAIN ASSEMBLY .. Buffer keeper pin
33	8444931	8	PLATE .. Buffer keeper - Welds to end plate
34	8383326	2	PILOT ASSEMBLY
35	218095	20	BOLT .. Square neck - 3/4-10 x 1-3/4 round head
36	9416522	20	NUT .. Lock - 3/4-10 hex.

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

"E" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Operated
G22W and GT26CW Locomotives

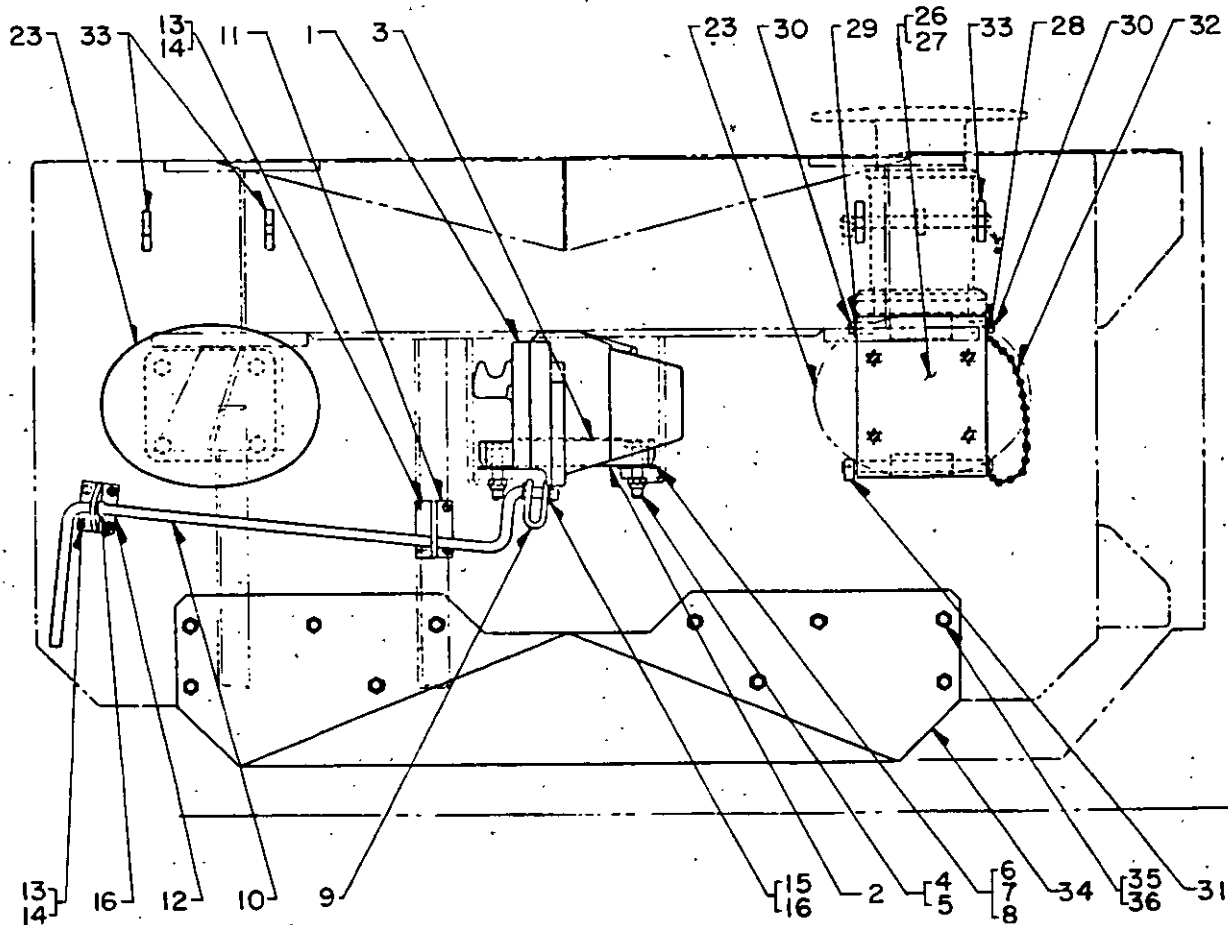


PLATE B2711-E-11

Ref. No.	Part Number	No. Req.	Description
		A	GT26CW Locomotives
		B	G22W Locomotives
1	8489627	2	COUPLER .. "E" - Bottom operated - See page 26
2	8446843	2	CARRIER ASSEMBLY .. Coupler
3	8446845	2	PLATE .. Wear - 1/4 in. x 3 in. x 10 in.
4	271708	4	BOLT .. 1-8 x 4-1/2 hex. head
5	8035139	4	NUT .. Lock - 1-8 hex.
6	8366916	AR 1	PAD .. Carrier shim - 16 ga. x 3 in. x 3 in.
7	8369057	AR 1	PAD .. Carrier shim - 11 ga. x 3 in. x 3 in.
8	8342489	AR -	PAD .. Carrier shim - 1/4 in. x 3 in. x 3 in.
* 8	9335465	-	SPACER .. Carrier - 1/4 in. x 3 in. x 3 in. - With "U" shaped slot
9	8489812	2	CHAIN ASSEMBLY .. Uncoupler - Includes clevis
10	8406996	2	ROD .. Uncoupler - Right front and left rear
11	8406625	2	BRACKET .. Uncoupler rod - Inner - Right front and left rear
12	8406626	2	BRACKET .. Uncoupler rod - Outer - Right front and left rear
13	179887	16	BOLT .. 1/2 - 13 x 1-3/4 hex. head
14	8032745	16	NUT .. Lock - 1/2 - 13 hex.
15	103348	8	WASHER .. Plain - 1 inch
16	103421	2	PIN .. Cotter - 1/4 x 1-3/4 in. long
*17	8252488	2	GEAR ASSEMBLY .. Draft - MS-485-6A - See page 28 - Replaces 8490478
*18	8191346	2	PLATE ASSEMBLY .. Draft gear carrier - 3/4 in. x 9 in. x 20-3/4 in.
*19	8191348	2	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*20	271613	8	BOLT .. Plate mounting - 3/4-10 x 2-1/2 hex. head
*21	103346	8	WASHER .. Plain - 13/16 I.D.
8489681	9088620		

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Ref. No.	Part Number	No. Req.	Description
*22	9335017	8 8	NUT .. Lock - 3/4-10 hex.
23	8312381	4 4	BUFFER .. Friction - B-18-WA
24	271705	16 16	BOLT .. 1 - 8 x 3-3/4 hex. head
25	8035139	16 16	NUT .. Lock - 1-8 hex.
26	8444937	4 4	HINGE .. Buffer
27	8444930	8 4	BLOCK .. Hinge - Welds to end plate
28	8312612	4 4	PIN .. Hinge - 1-1/8 in. dia. x 14 in. long - Drilled both ends
29	446283	4 4	WASHER .. Plain - 1-3/16 I.D.
30	103421	8 8	PIN .. Cotter - 1/4 x 1-3/4 in. long
31	8312604	4 4	PIN ASSEMBLY .. Buffer keeper
32	8312606	4 4	CHAIN ASSEMBLY .. Buffer keeper pin
33	8444931	8 -	PLATE .. Buffer keeper - Welds to end plate
34	8489865	2 -	PILOT ASSEMBLY .. Plow type
35	218095	20 -	BOLT .. Square neck - 3/4-10 x 1-3/4 round head
36	8032748	20 -	NUT .. Lock - 3/4-10 hex.
*37	8489676	2 2	COUPLING ASSEMBLY .. Screw

COUPLER AND DRAFT GEAR

"3/4 Willison" Coupler, Draft Gear, Buffer and Uncoupler - Bottom Operated
GL18M Locomotive

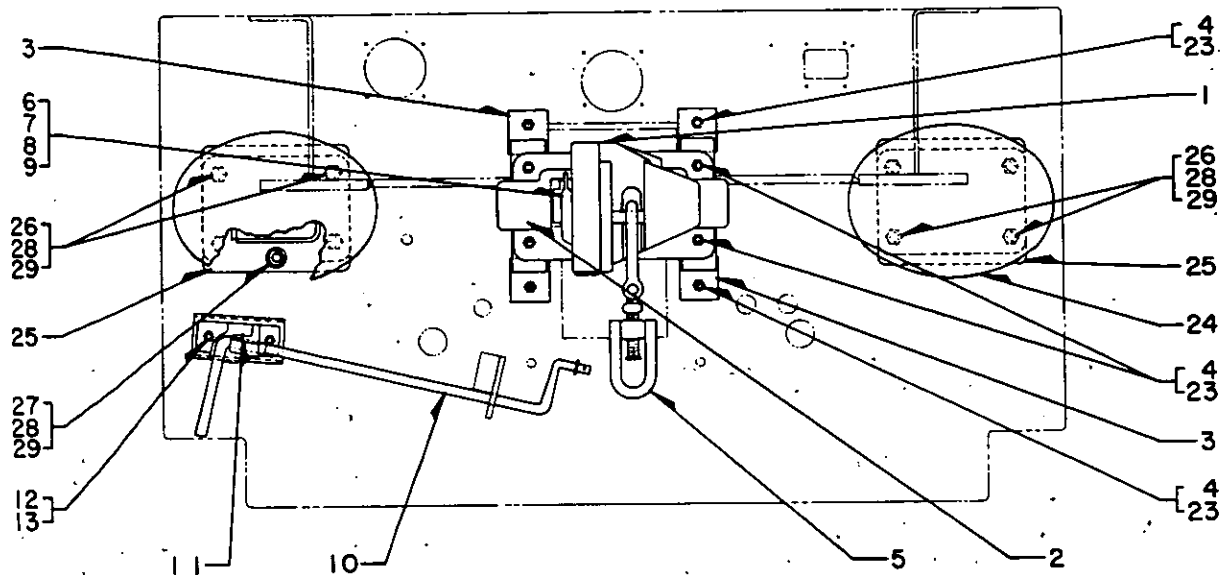


PLATE B2711-E-12

Ref. No.	Part Number	No. Req.	Description
1	9328531	2	COUPLER .. "3/4 Willison" - Bottom operated
2	9329539	2	CARRIER ASSEMBLY .. Coupler
3	9329807	4	BRACKET ASSEMBLY .. Coupler support
4	271615	16	BOLT .. Carrier and bracket mtg. - 3/4-10 x 3 hex. head
5	9328532	2	COUPLING .. Screw
6	9328536	2	CLEVIS .. Chain - Uncoupler
7	9328537	2	CHAIN .. Uncoupler
8	9328538	2	PIN .. Uncoupling cam
9	9337589	2	SUPPORT ASSEMBLY .. Pin
10	9328535	2	LEVER ASSEMBLY .. Uncoupler - Right front and left rear
11	9328534	2	SUPPORT .. Lever
12	271560	4	BOLT .. Support mounting - 5/8-11 x 1-3/4 hex. head
13	9335015	4	NUT .. Lock - 5/8-11 hex.
*14	9328693	2	GEAR ASSEMBLY .. Draft - MS-485-6A
*15	9329393	2	SUPPORT ASSEMBLY .. Gear
*16	8191346	2	PLATE ASSEMBLY .. Draft gear carrier - 3/4 in. x 9 in. x 20-3/4 in.
*17	8191348	2	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*18	8435086	2	PIN .. Coupler and gear retainer
*19	103341	4	WASHER .. Plain - 13/32
*20	103385	4	PIN .. Cotter - 1/8
*21	271617	8	BOLT .. Support mounting - 3/4-10 x 3-1/2 hex. head
*22	271614	8	BOLT .. Plate mounting - 3/4-10 x 2-3/4 hex. head
23	9335017	32	NUT .. Lock - 3/4-10 hex.
24	8449066	4	BUFFER .. Friction - B-18-WB - 15-3/4 x 23 in. oval face
25	9329811	4	SUPPORT ASSEMBLY .. Buffer
26	271706	16	BOLT .. Buffer mounting - 1-8 x 4 hex. head
27	271703	16	BOLT .. Support mounting - 1-8 x 3-1/4 hex. head
28	103348	32	WASHER .. Plain - 1 in.
29	9335021	32	NUT .. Lock - 1-8 hex.
9329813			

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

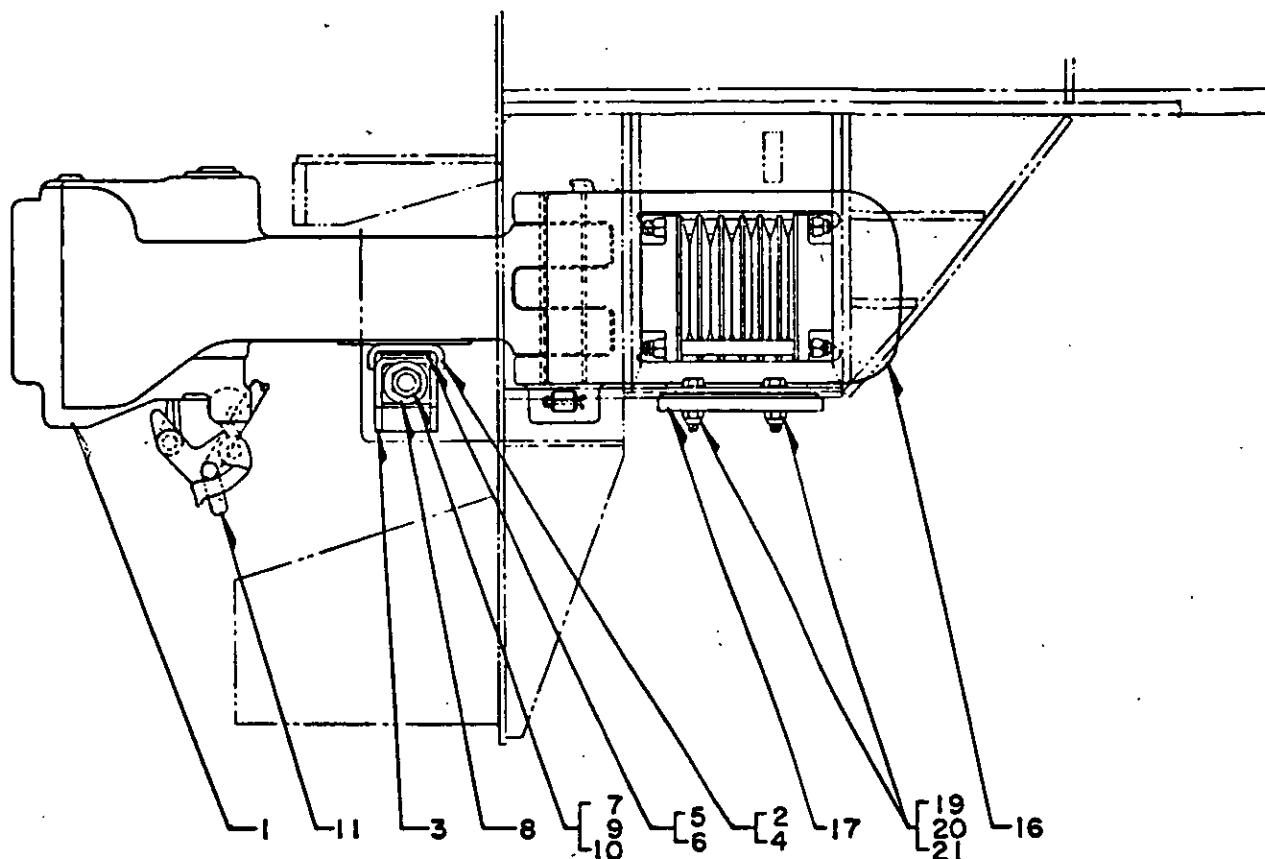
Type E Coupler, Draft Gear and Uncoupler - Non-Alignment Control
G26CU Locomotive

PLATE B2711-E-13.

Ref. No.	Part Number	No. Req.	Description
1	8232181	2	COUPLER .. Type E - Non-alignment control - Bottom operated - See page 27
2	8278661	2	CARRIER ASSEMBLY .. Coupler
3	8278662	2	HOLDER ASSEMBLY .. Carrier
4	8245100	2	PLATE .. Wear
5	8245101	2	PLATE .. Filler - 11 ga. x 3-1/16 in. x 10-5/8 in.
6	8245102	2	PLATE .. Filler - 16 ga. x 3-1/16 in. x 10-5/8 in.
7	8421929	2	ROD .. 1-1/8-7 x 18-1/2 - Carrier mounting
8	446283	4	WASHER .. Plain
9	8293004	A.R.	SHIM .. 16 ga. - Between carrier and underframe
10	8032751	4	NUT .. Lock - 1-1/8-7
11	8493337	2	LEVER .. Uncoupler
*12	8303452	2	BRACKET .. Uncoupler lever - Welds to end plate
*13	8303448	2	BRACKET .. Uncoupler lever
*14	179887	4	BOLT .. Bracket to bracket - 1/2-13 x 1-3/4 hex. head
*15	8032745	4	NUT .. Lock - 1/2-13 hex.
16	8252488	2	DRAFT GEAR AND YOKE ASSEMBLY .. See page 28
17	8191346	2	CARRIER ASSEMBLY .. Draft gear
*18	8191348	4	PLATE .. Wear - Welds to carrier plate
19	271613	8	BOLT .. 3/4-10 x 2-1/2 hex. head - Carrier assembly to underframe
20	103346	8	WASHER .. Plain - 13/16 I.D.
21	8032748	8	NUT .. Lock - 3/4-10

8493359

COUPLER AND DRAFT GEAR

Draw-Hook, Draft Gear and Buffer
G22W, G22CU, G26CU, G26CW, GT26CW and GT26CW-2 Locomotives

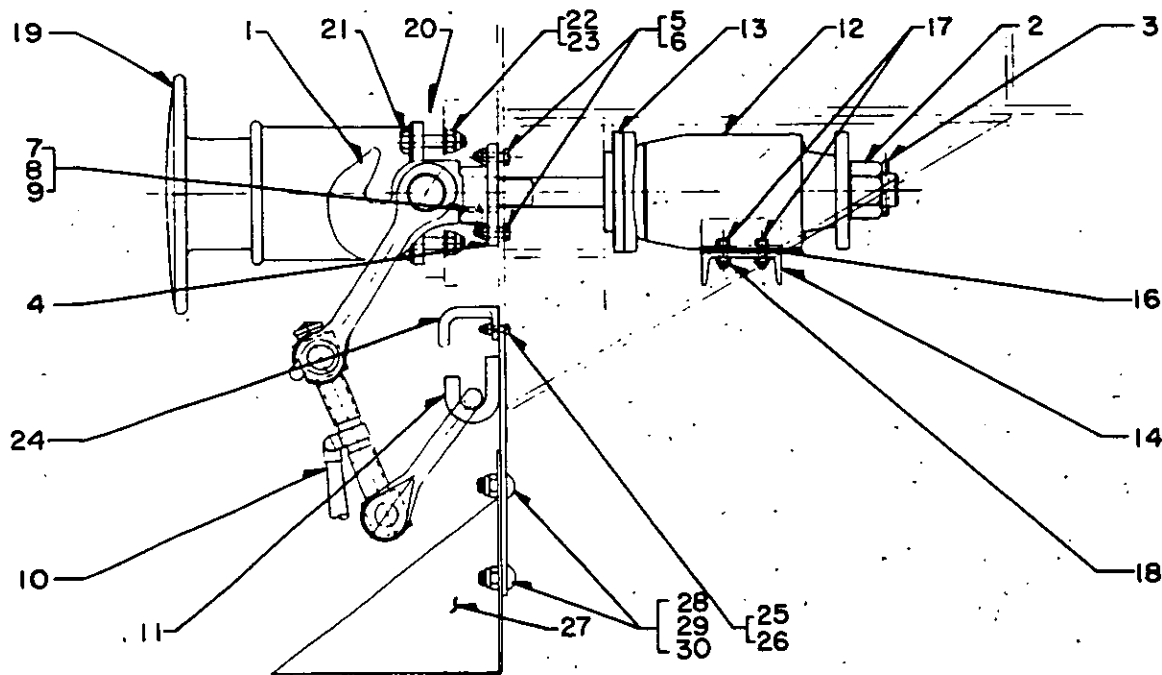


PLATE B2711-E-14

Ref. No.	Part Number	Number Required	Description
	A	-	G22W locomotives
	B	-	G22CU locomotives
	C	-	G26CU locomotives
	D	-	GT26CW locomotives
	E	-	GT26CW-2 locomotives
	F	-	G26CW locomotives
1	8230046	2 2 2 2 2 2	HOOK .. Draw
2	8233404	2 2 2 2 2 2	NUT .. Draw hook - 2-1/2-4 hex.
3	427143	2 2 2 2 2 2	PIN .. Cotter - 1/2 x 4 in. long
4	8231930	2 - - - - -	GUIDE .. Draw hook
4	8449945	- 2 - - - -	GUIDE .. Draw hook
5	271612	8 8 8 8 8 8	BOLT .. 3/4 - 10 x 2-1/4 hex. head
6	9416522	8 - - - - -	NUT .. Lock - 3/4 - 10 hex.
6	8032748	- 8 8 8 8 8 8	NUT .. Lock - 3/4 - 10
7	8233412	2 - - - - -	PLATE .. Wear - Draw hook guide
7	8450977	- 2 - - - -	PLATE .. Wear - Draw hook guide
8	114677	4 4 4 4 4 4	SCREW .. Machine - 3/8 - 16 x 1-3/4 flat head
9	9416513	4 - - - - -	NUT .. Lock - 3/8 - 16 hex.
9	8032743	- 4 4 4 4 4 4	NUT .. Lock - 3/8 - 16 hex.
10	8233439	2 - - - - -	COUPLING ASSEMBLY .. Screw
10	8314237	- 2 2 - - - -	COUPLING ASSEMBLY .. Screw
11	8277063	2 - - - - -	HOOK .. Screw coupling - Welds to pilot
11	8233953	- 2 2 2 2 2 2	HOOK .. Screw coupling - Welds to pilot
12	8233396	2 2 2 2 2 2	GEAR .. Draft - A-120-P - Spring loaded - Self contained unit
13	8231929	2 - - - - -	PLATE .. Draft gear guide
13	8449944	- 2 - - - -	PLATE .. Draft gear guide
14	8233957	2 2 2 - - -	CHANNEL ASSEMBLY .. Draft gear carrier
14	8450976	- - - - -	CHANNEL ASSEMBLY .. Draft gear carrier
14	6959832	- - - - -	CHANNEL ASSEMBLY .. Draft gear carrier
*15	8078841	2 2 2 2 2 2	PLATE .. Wear

8450939B 8449951 8481815 8478627

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Ref. No.	Part Number	Number Required						Description
		A	-	-	-	-	-	G22W locomotives
		B	-	-	-	-	-	G22CU locomotives
		C	-	-	-	-	-	G26CU locomotives
		D	-	-	-	-	-	GT26CW locomotives
		E	-	-	-	-	-	GT26CW-2 locomotives
		F	-	-	-	-	-	G26CW locomotives
*16	8233952	As Required						SHIM .. Channel mounting - 16 ga. x 2 in. x 6 in.
17	271560	8	8	8	8	8	8	BOLT .. 5/8 - 11 x 1-3/4 hex. head
18	9416520	8	-	-	-	-	-	NUT .. Lock - 5/8 - 11 hex.
18	8032747	-	8	8	8	8	8	NUT .. Lock - 5/8 - 11 hex.
19	8278335	4	4	4	-	-	4	BUFFER .. Friction - Type B-18 - Modified - 18 in. dia. round face
19	8449066	-	-	-	4	-	-	BUFFER .. Friction - B-18-WB - 15-3/4 x 23 in. oval face
19	8379409	-	-	-	-	4	-	BUFFER .. Friction - B-38-XL - 15-3/4 in. dia. round face
20	8296534	-	-	-	-	4	4	PLATE .. Buffer mounting
21	271704	16	-	-	-	-	-	BOLT .. 1-8 x 3-1/2 hex. head
21	271705	-	16	16	-	16	-	BOLT .. 1-8 x 3-3/4 hex. head
21	271706	-	-	-	16	-	-	BOLT .. 1-8 x 4 hex. head
21	271708	-	-	-	-	-	16	BOLT .. 1-8 x 4-1/2 hex. head
22	103348	-	-	-	16	-	16	WASHER .. Plain - 1 inch
23	9416526	16	-	-	-	-	-	NUT .. Lock - 1-8 hex.
23	8035139	-	16	16	16	16	16	NUT .. Lock - 1-8 hex.
24	8184744	4	-	-	-	4	-	GRAB IRON .. Located below buffer
24	8331927	-	-	-	4	-	4	GRAB IRON .. Located below buffer
25	179887	8	-	-	8	8	8	BOLT .. 1/2-13 x 1-3/4 hex. head
26	9416517	8	-	-	-	-	-	NUT .. Lock - 1/2-13 hex.
26	8032745	-	-	-	8	8	8	NUT .. Lock - 1/2-13 hex.
27	8469171	-	2	-	-	-	-	PILOT ASSEMBLY .. 7 ft. 6 in. long
27	8477985	-	-	2	-	-	-	PILOT ASSEMBLY .. 7 ft. 6 in. long
27	8449952	-	-	-	2	-	-	PILOT ASSEMBLY .. 6 ft. 4 in. long
27	8474945	-	-	-	-	2	-	PILOT ASSEMBLY .. 8 ft. long
27	8219435	-	-	-	-	-	2	PILOT ASSEMBLY .. 8 ft. - 6-1/2 in. long
28	271611	-	16	16	-	-	-	BOLT .. Pilot mounting - 3/4 - 10 x 2 hex.
28	218096	-	-	-	20	20	20	BOLT .. Pilot mounting - Square neck - 3/4 - 10 x 2 round head
28	271612	-	-	4	-	-	-	BOLT .. Pilot mounting - 3/4 - 10 x 2-1/4 hex. head
29	103346	-	-	24	-	-	-	WASHER .. Plain - 3/4 in.
29	106268	-	16	-	-	-	-	WASHER .. Plain - 3/4 in.
30	8032748	-	16	24	20	20	20	NUT .. Lock - 3/4 - 10 hex.

See P.L. 2453

COUPLER AND DRAFT GEAR
 Draw Hook, Draft Gear and Buffer
 GT22CW and G26CW Locomotives
 PLATE B2711-E-15

P.L. No. B2711-E

Ref. No.	Part Number	Number Required	Description
		A - - -	GT22CW locomotives
		- B - -	G26CW locomotives
		- - C -	G22CW locomotives
		- - - D	JT22CW locomotives
1	8230046	2 - 2 -	HOOK .. Draw
1	8486347	- 2 - 1	HOOK ASSEMBLY .. Draw
* 2	8121418	- 2 - 1	BUSHING .. Hook
* 3	8233404	2 - 2 -	NUT .. Draw hook - 2-1/2-4 hex.
* 4	427143	2 - 2 -	PIN .. Cotter - 1/2 x 4 in. long
5	8449945	2 - 2 -	GUIDE .. Draw hook
5	9339257	- - - 1	GUIDE .. Draw hook
5	8486748	- 2 - -	GUIDE ASSEMBLY .. Draw hook
6	8486751	- 1 - -	PLATE .. Wear - Draw hook guide
6	8450977	2 - 2 -	PLATE .. Wear - Draw hook guide
7	114677	4 - 4 -	SCREW .. Machine - 3/8-16 x 1-3/4 flat head - Wear plate mounting
8	8032743	4 - 4 -	NUT .. Lock - 3/8 - 16 hex.
9	271612	8 - 8 -	BOLT .. Guide mounting - 3/4 - 10 x 2-1/4 hex. head
9	179887	- 12 - -	BOLT .. Guide mounting - 1/2 - 13 x 1-3/4 hex. head
9	271611	- - - 2	BOLT .. Guide mounting - 3/4 - 10 x 2 hex. head
10	8032748	8 - 8 -	NUT .. Lock - 3/4-10 hex.
10	8032745	- 12 - -	NUT .. Stop - 1/2-13 hex.
11	8314237	2 - 2 -	COUPLING ASSEMBLY .. Screw
11	8233439	- 2 - 1	COUPLING ASSEMBLY .. Screw
12	8233953	2 2 2 1	HOOK .. Screw coupling - Welds to pilot
13	8233954	- 2 - -	PLATE .. Coupling assembly guide - Welded to pilot
13	9339259	- - - 1	PLATE .. Coupling assembly guide - Welds to pilot
*14	8233396	2 - 2 -	GEAR .. Draft - A-120-P - Spring loaded - Self contained unit
14	8252488	- 2 - 1	GEAR ASSEMBLY .. Draft - MS-485-6A - See page 28
*15	8449944	2 - 2 -	PLATE .. Draft gear guide
*16	8473372	2 - - -	SUPPORT ASSEMBLY .. Draft gear
*16	8472261	- - - 2	SUPPORT ASSEMBLY .. Draft gear
*17	8078841	2 - 2 -	PLATE .. Wear - 5-1/2 in. x 5-1/2 in. x 1/4 in. - Draft gear alignment
*17	8472265	2 - 2 -	PLATE .. Wear - 5-1/2 in. x 5-1/2 in. x 3/8 in. - Draft gear alignment
*18	8191346	- 2 - 1	PLATE ASSEMBLY .. Draft gear support
*19	8191348	- 2 - 1	PLATE .. Wear
20	272517	8 8 8 -	BOLT .. Support mounting - 1-1/2 - 6 x 3-1/2 hex.
*20	271614	- - - 4	BOLT .. Support plate mounting - 3/4 - 10 x 2-3/4 hex. head
*20A	103346	- - - 4	WASHER .. Plain - 3/4
21	8032754	8 8 8 -	NUT .. Self-locking - 1-1/2 - 6
21	9335017	- - - 6	NUT .. Lock - 3/4 - 10 hex.
22	8312381	4 4 4 -	BUFFER ASSEMBLY .. Friction - B-18-WA - 15-3/4 x 21 in. oval face
22	9504706	- - - 2	BUFFER .. Friction - B-38-XL-W - 15-3/4 x 21 in. oval face
23	8312607	4 4 4 -	HINGE ASSEMBLY .. Buffer mounting
24	271705	16 16 16 8	BOLT .. 1-8 x 3-3/4 hex. head - Buffer to hinge assembly
25	103348	16 16 16 -	WASHER .. Plain - 1 inch
26	9335021	16 16 16 8	NUT .. 1 - 8 self-tapping - Replaces 8035139
27	8312612	4 4 4 -	PIN .. 14 in. long - Top buffer hinge
28	446283	4 4 4 -	WASHER .. Plain - 1-3/16 I.D.
29	103421	8 8 8 -	PIN .. Cotter - 1/4 in. x 1-3/4 in.
30	8312604	4 4 4 -	PIN ASSEMBLY .. Bottom buffer hinge
31	8312606	4 4 4 -	CHAIN ASSEMBLY .. Pin to hinge assembly - 24 in. long
32	8331927	4 4 4 2	GRAB IRON .. Located below buffer
33	179887	8 8 8 -	BOLT .. 1/2 - 13 x 1-3/4 hex. head
34	9335011	8 8 8 4	NUT .. Lock - 1/2 - 13 hex.
35	8469171	2 - 2 -	PILOT ASSEMBLY .. 7 ft. 6 in. long - See P.L. 2453
35	8486676	- 2 - -	PILOT ASSEMBLY .. 7 ft. 5-1/2 long - See P.L. 2453

8473703A 8486659 8472578A

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

P.L. No.

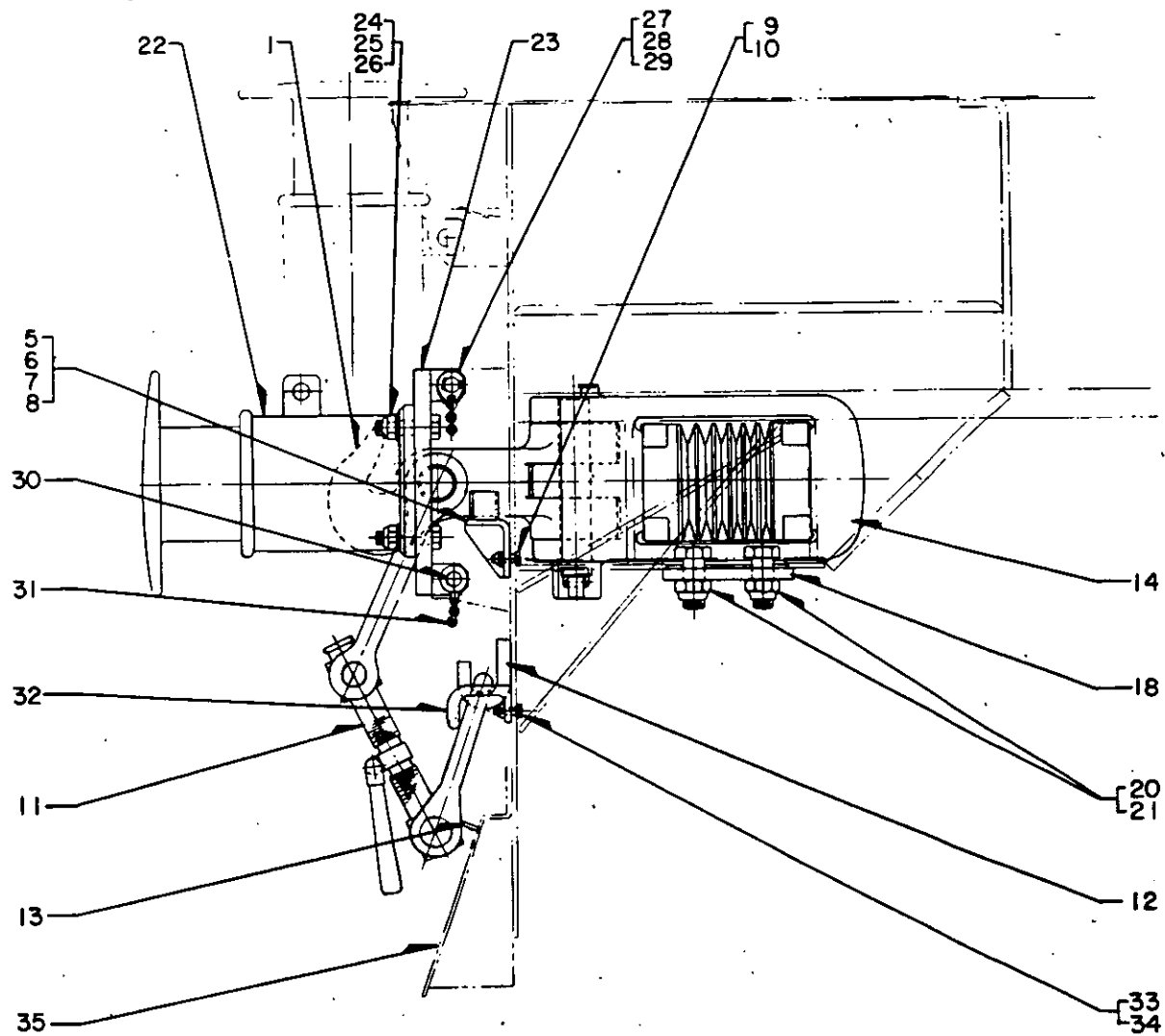


PLATE B2711-E-15

COUPLER AND DRAFT GEAR

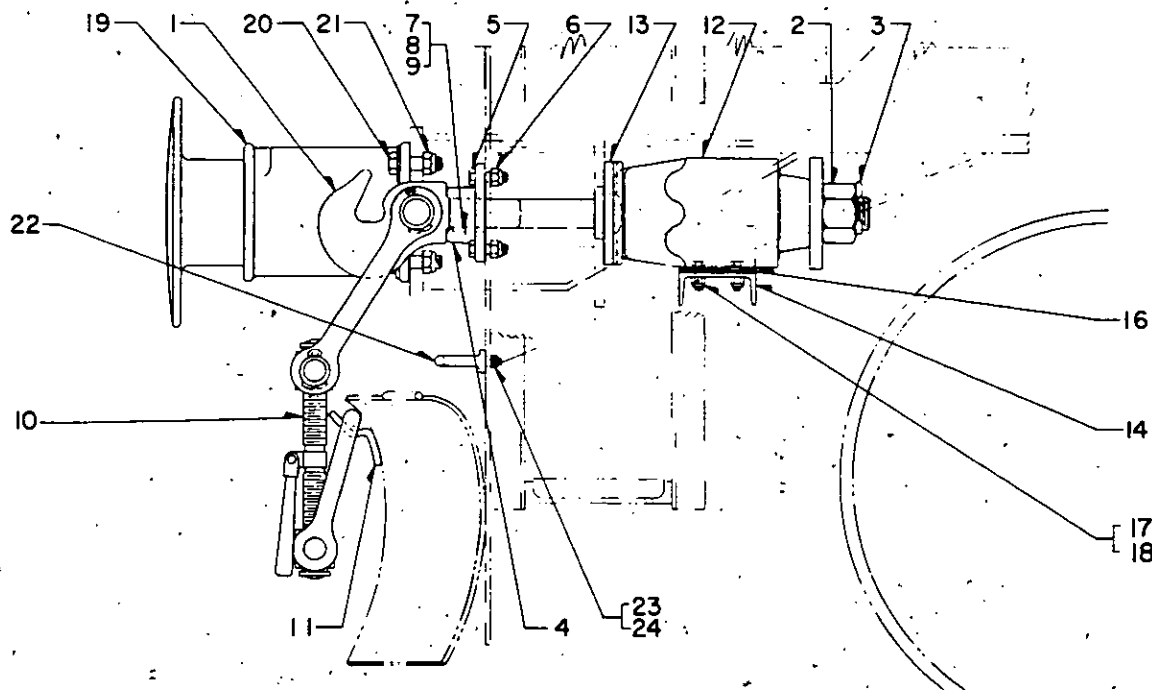
Draw Hook, Draft Gear and Buffer
G22W Locomotive

PLATE B2711-E-16

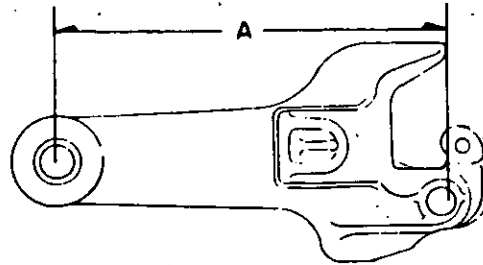
Ref. No.	Part Number	No. Req.	Description
1	8230046	2	HOOK .. Draw
2	8233404	2	NUT .. Draw hook - 2-1/2-4 hex.
3	427143	2	PIN .. Cotter - 1/2 x 4 in. long
4	8231930	2	GUIDE .. Draw hook
5	271612	8	BOLT .. 3/4-10 x 2-1/4 hex. head
6	9416522	8	NUT .. Lock - 3/4-10 hex.
7	8233412	2	PLATE .. Wear - Draw hook guide
8	114677	4	SCREW .. Machine - 3/8-16 x 1-3/4 flat head
9	9416513	2	NUT .. Lock - 3/8-16 hex.
10	8233439	2	COUPLING ASSEMBLY .. Screw
11	8277063	2	HOOK .. Screw coupling - Welds to pilot
12	8233396	2	GEAR .. Draft - A-120-P - Spring loaded - Self contained unit
13	8231929	2	GUIDE .. Draft gear
14	8233957	2	CHANNEL ASSEMBLY .. Draft gear carrier
*15	8078841	2	PLATE .. Wear
16	8233952	A.R.	SHIM .. Channel mounting - 16 ga. x 2 in. x 6 in.
17	271560	8	BOLT .. 5/8-11 x 1-3/4 hex. head
18	9416520	8	NUT .. Lock - 5/8-11 hex.
19	8278335	4	BUFFER .. Friction - 18 in. dia. face
20	271704	16	BOLT .. 1-8 x 3-1/2 hex. head
21	9416526	16	NUT .. Lock - 1-8 hex.
22	8184744	4	GRAB IRON .. Located below buffer
23	179887	8	BOLT .. 1/2-13 x 1-3/4 hex. head
24	9416517	8	NUT .. Lock - 1/2-13 hex.

192901

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Top Operated "AP" Coupler
GA18,G18U,G18W,G22U and GT26CU-2 Locomotives



Ref. Nos. 1, 3 and 4

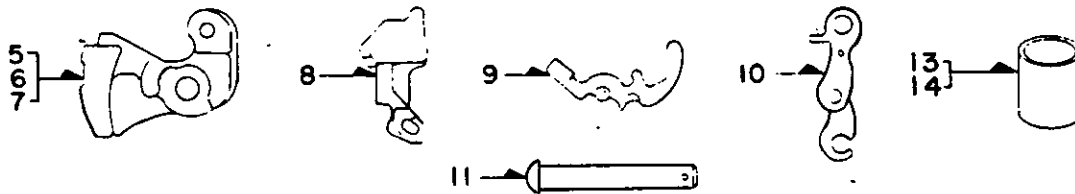


PLATE B2711-E-17

Ref. No.	Part Number	Number Required				Description	Dimension "A"	Locomotive Application
1	8263359	A	-	-	-	COUPLER .. Non-alignment control	30 in.	G18U,G18W,GT26CU-2
* 2	8278959	-	B	-	-	COUPLER .. Non-alignment control	30 in.	G18U,G22U
3	8283937	-	-	C	-	COUPLER .. Non-alignment control	30 in.	GA18
4	8358132	-	-	-	D	COUPLER .. Non-alignment control	30 in.	G18U
5	8306907	1	1	-	-	KNUCKLE .. Coupler - 11 in. solid face		
6	8355127	-	-	1	-	KNUCKLE .. Coupler - 9 in. slotted face		
7	8274049	-	-	-	1	KNUCKLE .. Coupler - 9 in. solid face		
8	8274051	1	1	1	1	LOCK .. Coupler		
9	8274052	1	1	1	1	THROWER .. Coupler knuckle		
10	8274050	1	1	1	1	LIFTER .. Coupler lock		
11	8274053	1	1	1	1	PIN .. Knuckle pivot - 1-5/8 in. dia. x 10-3/4 in. long		
*12	119198	1	1	1	1	PIN .. Cotter - 3/8 x 2-1/2 in. long		
13	8274054	1	-	1	1	BUSHING .. 2-9/16 I.D. x 3-3/16 O.D. x 4-7/8 in. long		
14	8121418	-	2	-	-	BUSHING .. 2-5/16 I.D. x 3-1/16 O.D. x 2-11/16 in. long		
*15	8121446	1	1	1	1	PLATE .. Wear - Coupler shank - 1/4 in. x 5-1/2 in. x 8 in.		
*16	8282591	-	1	-	-	BLOCK .. Coupler stop - Welds to back coupler head		

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Type "E" and "F" Coupler - Alignment and Non-Alignment Control
Top Operated
G18U,G22W,G22CU,GL22C,GT22CU,G26CU,G26CW and GT26CW Locomotives

PLATE B2711-E-18

Ref. No.	Part Number	Number Required	Description
	A	-	G22W,G22CU,GT22CU,GT26CW
	B	-	G22W,G22CU,GT22CU,GT26CW
	C	-	G26CU
	D	-	G26CU
	E	-	G18U,GL22C,G26CW
	F	-	G26CU

COUPLER .. Top Operated

Dimension
"A"

1	8219072	1	-	-	-	-	COUPLER .. Alignment control - Type "E"	28 - 1/2 in.
1	8385515	-	1	-	-	-	COUPLER .. Alignment control - Type "E" - High strength	28 - 1/2 in.
1	6915379	-	-	1	-	-	COUPLER .. Alignment control - Type "F"	32 - 1/2 in.
1	8349831	-	-	-	1	-	COUPLER .. Alignment control - Type "F" - High strength	28 - 1/2 in.
*1	8176933	-	-	-	-	1	COUPLER .. Non-Alignment control - Type "E"	30 in.
*1	9320765	-	-	-	-	1	COUPLER .. Non-Alignment control - Type "F" - High strength	29 in.

KNUCKLE AND LOCK

2	8055811	1	-	-	-	1	-	KNUCKLE .. Coupler
2		-	1	-	-	-	1	KNUCKLE .. Coupler
2	8235625	-	-	1	-	-	-	KNUCKLE .. Coupler
2	8359119	-	-	-	1	-	-	KNUCKLE .. Coupler
2		-	-	-	-	-	1	KNUCKLE .. Coupler
3	8062944	1	1	-	-	1	-	LOCK .. Coupler
3	8325545	-	-	1	1	-	1	LOCK .. Coupler - Replaced 8235626

THROWER AND LIFTER

4	8069851	1	1	-	-	1	-	THROWER .. Coupler knuckle
4	8235627	-	-	1	1	-	1	THROWER .. Coupler knuckle
5	8068119	1	1	1	1	1	-	LIFTER .. Coupler lock
*5		-	-	-	-	-	1	LIFTER .. Coupler lock

PINS

6	8057698	1	1	1	1	1	1	PIN .. Knuckle pivot - 1-5/8 in. diameter x 13-3/8 in. long
*6A	8060229	-	-	-	-	-	1	PIN .. Support - 5/8 in. diameter x 3-11/16 in. long
*7	119198	1	1	1	1	1	-	PIN .. Cotter - Knuckle pivot pin - 3/8 in. x 2-1/2 in. long

BUSHING AND WEAR PLATE

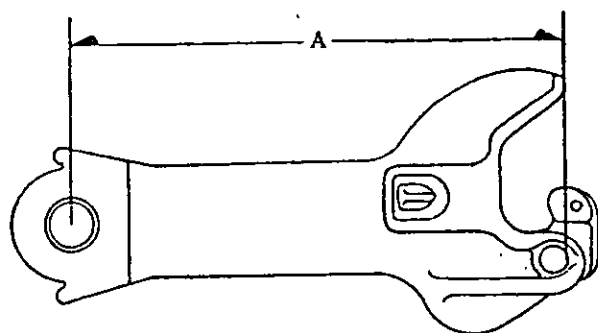
8	8121418	-	-	-	-	2	-	BUSHING .. 2-5/16 I.D. x 3-1/16 O.D. x 2-11/16 in. long
8	8399803	2	2	2	2	-	-	BUSHING .. 3-9/16 I.D. x 4-7/16 O.D. x 2-9/16 in. long
8		-	-	-	-	-	2	BUSHING .. 3 in. I.D. x 3-3/4 in. O.D. x 2-9/16 in. long
9	8097302	1	1	1	1	-	-	PLATE .. Wear - 1/4 in. x 7 in. x 7 in.
9	8121446	-	-	-	-	1	-	PLATE .. Wear - Coupler shank - 1/4 in. x 5-1/2 in. x 8 in.
9		-	-	-	-	-	1	PLATE .. Wear - 1/4 in. x 8 in. x 5 in.

ROTOR ASSEMBLY

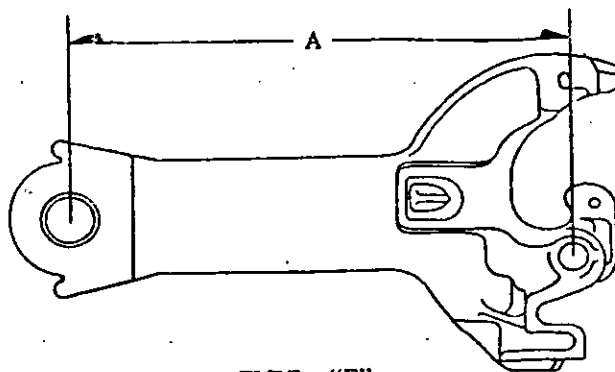
*10		-	1	-	-	-	1	ROTOR ASSEMBLY .. Double

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

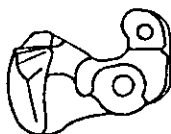


TYPE "E"



TYPE "F"

Ref. No. 1



KNUCKLE



KNUCKLE

Ref. No. 2



LOCK



LOCK

Ref. No. 3



THROWER



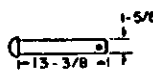
THROWER

Ref. No. 4



Ref. No. 5

E6-A LIFTER



Ref. No. 6

C-10 PIVOT PIN

Part No.	Dimension
8399803	3-9/16 x 4-7/16 x 2-9/16
8121418	2-5/16 x 3-1/16 x 2-11/16
COUPLER BUSHING	
Ref. No. 8	



Part No.	Dimension
8097302	1/4 x 7 x 7
8121446	1/4 x 5-1/2 x 8 in
COUPLER SHANK WEAR PLATE	
Ref. No. 9	



ALIGNMENT CONTROL - TYPE "E" AND "F" COUPLER - TOP OPERATED

PLATE B2711-E-18

COUPLER AND DRAFT GEAR

"G" Coupler Bottom Operated
G18W and GT26CW Locomotive

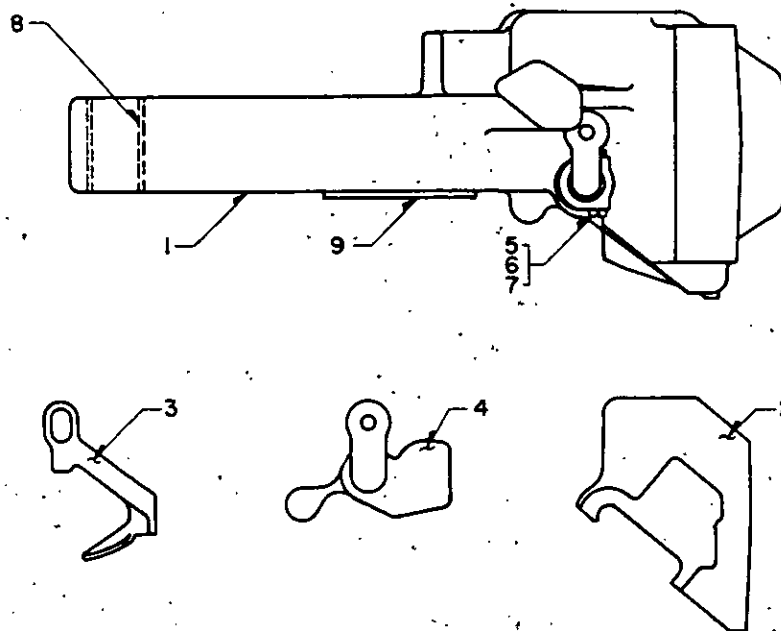


PLATE B2711-E-19

Ref. No.	Part Number	No. Req.	Description
1	8406647	A -	COUPLER .. "G" - Bottom operated - G18W locomotive
1	8445697	- B	COUPLER .. "G" - Bottom operated - GT26CW locomotive
2		1 1	LOCK .. Coupler
3		1 1	LOCKSET .. Coupler
4		1 1	THROWER .. Coupler lock.
5		1 1	BOLT .. 1/2-13 x 3-3/4 hex. head - Drilled
6	109888	1 1	NUT .. 1/2-13 hex.
7	103407	1 1	PIN .. Cotter - 3/16 x 1 in. long
8	8274054	1 -	BUSHING .. 2-9/16 I.D. x 3-3/16 O.D. x 4-7/8 in. long
8	8121418	- 1	BUSHING .. 2-5/16 I.D. x 3-1/16 O.D. x 2-11/16 in. long
9	8121446	1 1	PLATE .. Wear - Coupler shank - 1/4 in. x 5-1/2 in. x 8 in.

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

"E" Coupler - Bottom Operated
GT26CW Locomotives

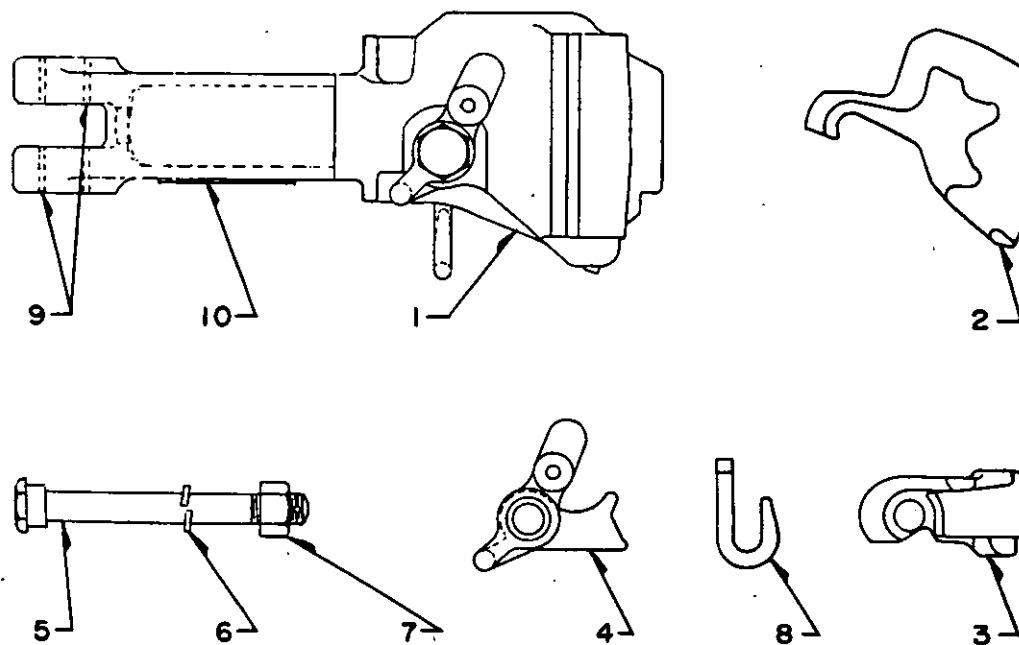
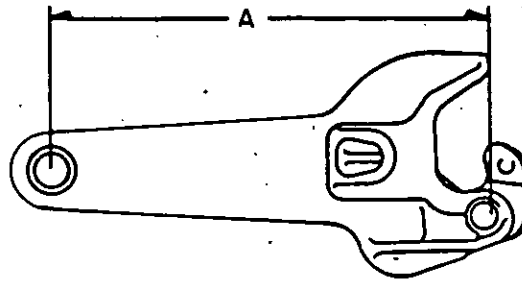


PLATE B2711-E-20

Ref. No.	Part Number	No. Req.	Description
1	8489627	1	COUPLER .. "E" - Bottom operated
2		1	LOCK .. Coupler
3		1	BLOCK .. Filler
4		1	THROWER .. Coupler lock
5		1	BOLT .. 1-3/4 x 1 ft. 5 in. long hex. head
6		1	WASHER .. Lock - 1-3/4 in.
7		1	NUT .. 3/4 in.
8		1	HOOK .. Support
9	8121418	2	BUSHING .. 2-5/16 I.D. x 3-1/16 O.D. x 2-11/16 in. long
10	8121446	1	PLATE .. Wear - Coupler shank - 1/4 in. x 5-1/2 in. x 8 in.

COUPLER AND DRAFT GEAR

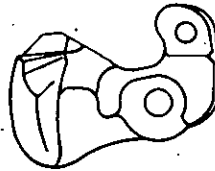
"E" Coupler - Bottom Operated
G26CU Locomotives



Ref. No. 1



Ref. No. 3



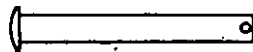
Ref. No. 2



Ref. No. 4



Ref. No. 11



Ref. No. 6



Ref. No. 10

PLATE B2711-E-21

Ref. No.	Part Number	No. Req.	Description	Dimension "A"
1	8232181	1	COUPLER .. "E" - Bottom operated	30 in.
2	8055811	1	KNUCKLE .. Coupler - 11 in. solid face	
3	8062944	1	LOCK .. Coupler	
4	8069851	1	THROWER .. Coupler knuckle	
* 5	8237167	1	LIFTER .. Coupler lock	
6	8057698	1	PIN .. Knuckle pivot - 1-5/8 in. dia. x 13-3/8 in. long	
* 7	119198	1	PIN .. Cotter - 3/8 x 2-1/2 in. long	
* 8	8060229	1	PIN .. Knuckle pivot pin support - 5/8 in. x 3-11/16 in. long	
* 9	103419	1	PIN .. Cotter - Support pin - 1/4 in. x 1-1/4 in. long	
10	8121418	2	BUSHING .. 2-5/16 I.D. x 3-1/16 O.D. x 2-11/16 in. long	
11	8121446	1	PLATE .. Wear - Coupler shank - 1/4 in. x 5-1/2 in. x 8 in.	

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

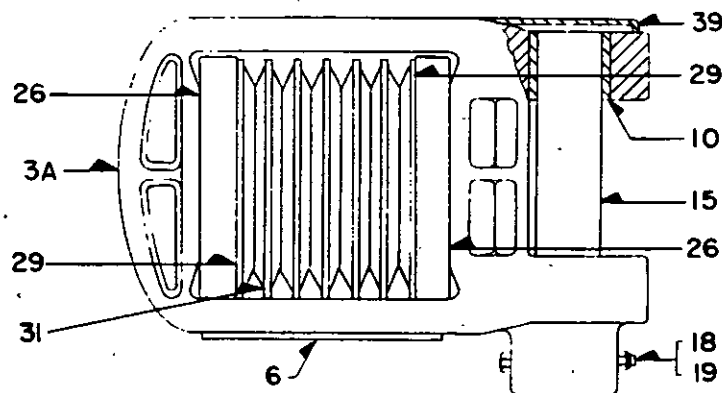
Draft Gear Assembly

G18U,G18W,GA18,G22U,G22W,GL22C,G26CU,G26CW and GT26CW Locomotives

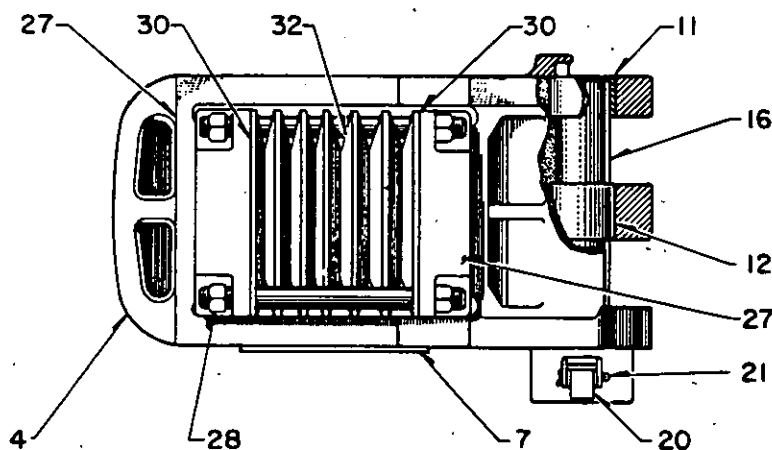
PLATE B2711-E-22

Ref. No.	Part Number	No. Req.	Description
1	8263422	A -	GEAR ASY. .. Draft - MI - 225-6A - GA18,G18U and G18W
2	8252488	- B -	GEAR ASY. .. Draft - MS - 485-6A - G18U,G22U,GL22C,G26CU,G26CW & GT26CW - Replaces 8490478
3	8314756	- - C	GEAR ASY. .. Draft - M - 381 - Alignment control - G22W
3A	8263361	1 -	YOKE ASSEMBLY .. Draft gear
4	8490479	- 1 -	YOKE ASSEMBLY .. Draft gear - Replaces 8191279
5	8314758	- - 1	YOKE ASSEMBLY .. Draft gear
6	8173395	1 -	PLATE .. Wear - 1/4 in. x 4 in. x 10-1/4 in.
7	8121446	- 1 -	PLATE .. Wear - 1/4 in. x 5-1/2 in. x 8 in.
8	8082550	- - 2	PLATE .. Wear - 1/4 in. x 8-1/2 in. x 9-3/4 in.
9	8353820	- - 1	PLATE .. Wear - 1/4 in. x 5-1/2 in. x 6 in.
10	8294056	2 -	BUSHING .. 2-9/16 I.D. x 3-3/16 O.D. x 2-1/16 in. long
11	8064853	- 2 -	BUSHING .. 2-5/16 I.D. x 2-13/16 O.D. x 1-11/16 in. long
12	8064854	- 1 -	BUSHING .. 2-5/16 I.D. x 2-13/16 O.D. x 2-5/16 in. long
13	8399800	- - 2	BUSHING .. 3-9/16 I.D. x 4-3/16 O.D. x 1-15/16 in. long
14	8399801	- - 1	BUSHING .. 3-1/16 I.D. x 4-3/16 O.D. x 2-7/16 in. long
15	8294057	1 -	PIN .. Coupler shank - 2-1/2 in. dia. x 10-3/8 in. long
16	8113993	- 1 -	PIN .. Coupler shank - 2-1/4 in. dia. x 12-1/2 in. long
17	8399802	- - 1	PIN .. Coupler shank - 3-17/32 in. dia. x 12-5/8 in. long
18	187152	1 -	BOLT .. 1/2-13 x 5 hex. head
19	9416517	1 -	NUT .. Lock - 1/2-13 hex.
20	8092280	- 1 1	KEY .. Coupler shank pin retaining
21	103422	- 1 1	PIN .. Cotter - 1/4 x 2 in. long
*22	8317887	- - 1	PLUNGER .. Alignment
*23	8263360	1 -	GEAR .. Draft - MI - 225-6A
*24	8253666	- 1 -	GEAR .. Draft - MS - 485-6A
25	8314757	- - 1	GEAR .. Draft - M - 381-A
26	8294058	2 -	BLOCK .. Follower
27	8414844	- 2 -	BLOCK .. Follower
28	8414845	- 2 -	BOLT ASSEMBLY .. Follower block - Includes nut
29	8294059	2 -	PAD .. Rubber - End
30	8414846	- 2 -	PAD .. Rubber - End
31	8294060	5 -	PAD .. Rubber - Center
32	8414847	- 5 -	PAD .. Rubber - Center
33	8317886	- - 1	WEDGE .. Draft gear
34	8412276	- - 4	PAD .. Rubber
35	8094569	- - AR	SHIM .. Rubber - 1/16 in. x 8 in. x 10-3/4 in.
36	8317885	- - 1	BLOCK .. Wedge
37	8082887	- - 2	PLATE .. Wear - 1/4 in. x 4-3/4 in. x 6-7/8 in.
38	8274055	- - 1	PLATE .. Wear - 1/4 in. x 6 in. x 7-1/2 in.
39	8267627	1 -	PLATE .. Coupler shank pin retaining - Welds to yoke
*40	8263420	1 -	PLATE ASY. .. Draft gear carrier - 3/4 in. x 9 in. x 17-1/8 in.
*41	8191348	1 -	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*42	8406660	1 -	PLATE ASY. .. Draft gear carrier - 3/4 in. x 9 in. x 18-3/4 in. - G18W
*43	8406659	1 -	PLATE .. Wear - 1/2 in. x 7 in. x 8-1/2 in.
*44	8191348	1 -	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*45	8345991	1 -	PLATE ASY. .. Draft gear carrier - 3/4 in. x 9 in. x 18-3/4 in. - G18W
*46	8191348	1 -	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*47	8191346	- 1 -	PLATE ASY. .. Draft gear carrier - 3/4 in. x 9 in. x 20-3/4 in.
*48	8191348	- 1 -	PLATE .. Wear - 1/4 in. x 6-1/2 in. x 8-1/2 in.
*49	8301213	- - 1	SUPPORT ASY. .. Draft gear carrier - 1 in. x 10 in. x 35-1/4 in.
*50	8147502	- - 2	PLATE .. Wear - 1/4 in. x 4-3/4 in. x 10-1/2 in.
*51	217613	4 4 -	BOLT .. Plate mounting - 3/4-10 x 2-1/2 hex. head
*52	103346	4 4 -	WASHER .. Plain - 13/16 I.D.
*53	9416522	4 4 -	NUT .. Lock - 3/4-10 hex.
*54	272517	- - 4	BOLT .. Support mounting - 1-1/2-6 x 3-1/2 hex. head
*55	8032754	- - 4	NUT .. Lock - 1-1/2-6 hex.

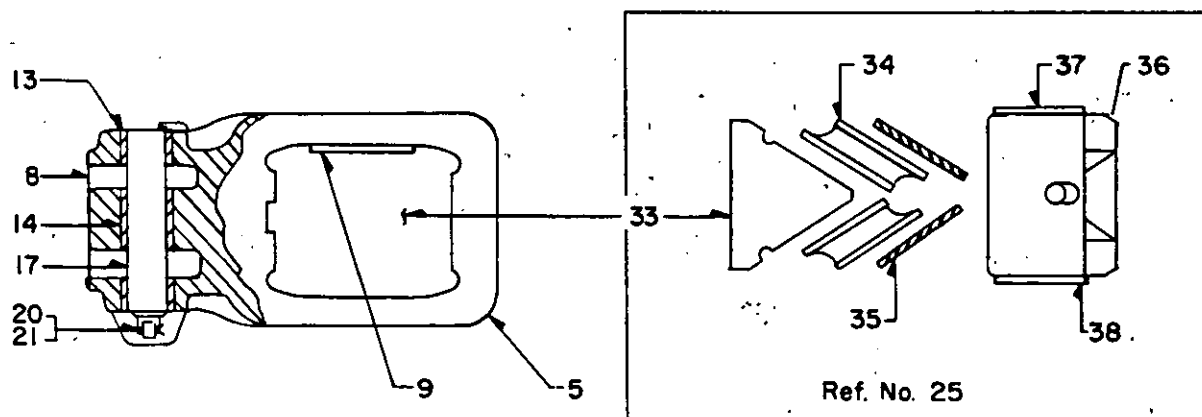
COUPLER AND DRAFT GEAR



Ref. No. 1



Ref. No. 2



Ref. No. 3

PLATE B2711-E-22

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Draft Gear Assembly
G22CU,GT22CU and GT26CU-2 Locomotives

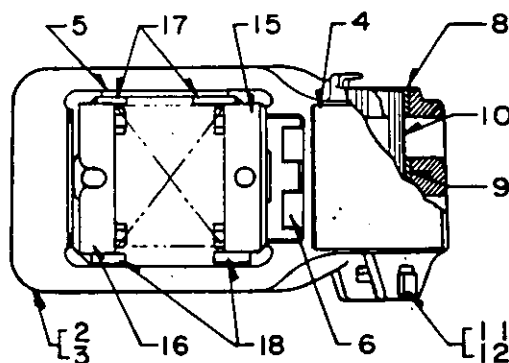
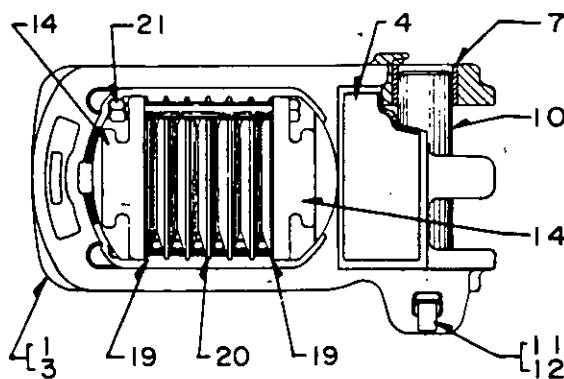
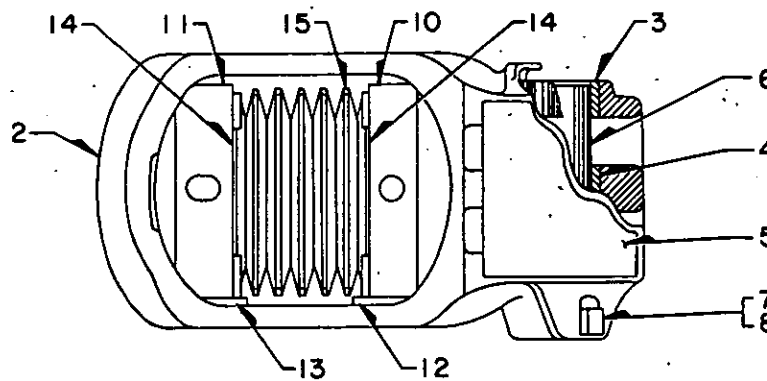


PLATE B2711-E-23

Ref. No.	Part Number	No. Req.	Description
1	8439090	A -	GEAR ASSEMBLY .. Draft - MS - 488 - 6A - GT26CU-2 locomotive
2	8420238	- B	GEAR ASSEMBLY .. Draft - NC - 391 - Alignment control - G22CU and GT22CU locos.
3	8439089	1 -	YOKE ASSEMBLY .. Draft gear
3	8314758	- 1	YOKE ASSEMBLY .. Draft gear
4		2 -	PLATE .. Wear - 4 x 9 x 1/4 in.
4	8082550	- 2	PLATE .. Wear - 8-1/2 x 9-3/4 x 1/4 in. - Sides of yoke
5	8353820	- 1	PLATE .. Wear - 5-1/2 x 9 x 1/4 in. - Top of yoke above draft gear
6	8317887	- 1	PLUNGER .. Aligning
7	8459486	3 -	BUSHING .. 3 I.D. x 3-1/2 O.D. x 2-3/16 in. long
8	8399800	- 2	BUSHING .. 3-9/16 I.D. x 4-3/16 O.D. x 1-15/16 in. long
9	8399801	- 1	BUSHING .. 3-9/16 I.D. x 4-3/16 O.D. x 2-7/16 in. long
10	8459471	1 -	PIN .. Coupler shank - 2-31/32 in. dia. x 12-1/2 in. long
10	8450723	- 1	PIN .. Coupler shank - 3-17/32 in. dia. x 13 in. long
11	8092280	1 1	KEY .. Coupler shank pin retaining
12	103422	1 1	PIN .. Cotter - 1/4 x 2 in. long
*13	8309357	1 -	GEAR .. Draft - MS - 488 - 6A
*13	8420237	- 1	GEAR .. Draft - NC - 391
14	8455920	2 -	BLOCK .. Follower
15	8453795	- 1	FOLLOWER .. Front
16	8453796	- 1	FOLLOWER .. Rear
17	8453797	- 2	PLATE .. Wear - Top side of gear
18	8447854	- 4	PLATE .. Wear - Bottom side of gear
19	8414846	2 -	PAD .. Rubber - End - Formerly 8211903
*19	8446910	- 2	PAD .. Rubber - End
20	8414847	5 -	PAD .. Rubber - Center - Formerly 8211904
*20	8446909	- 5	PAD .. Rubber - Center
21	8443005	2 -	BOLT ASSEMBLY .. 7/8-9 x 9-3/4 hex. head - Includes nut

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

NC-390 Draft Gear Assembly
G26CU Locomotives

Ref. No. 1

PLATE B2711-E-24

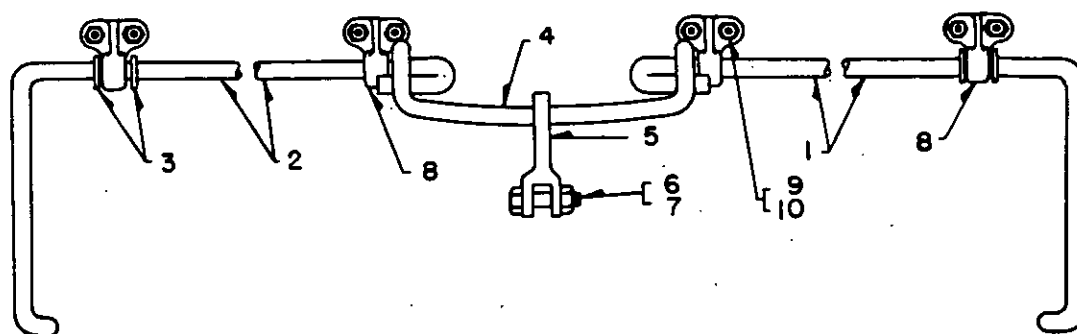
Ref. No.	Part Number	No. Req.	Description
1	8420236	1	GEAR ASSEMBLY .. Draft - NC-390 - Alignment control
2	6915380	1	YOKE ASSEMBLY .. Draft gear - Alignment control
3	8399800	2	BUSHING .. 3-9/16 I.D. x 4-3/16 O.D. x 1-15/16 in. long
4	8399801	1	BUSHING .. 3-9/16 I.D. x 4-3/16 O.D. x 2-7/16 in. long
5	8082550	2	PLATE .. Wear - 1/4 in. x 8-1/2 in. x 9-3/4 in.
6	8450723	1	PIN .. Coupler shank - 3-17/32 in. dia. x 13 in. long
7	8092281	1	KEY .. Coupler shank pin retaining
8	103422	1	PIN .. Cotter - 1/4 x 2 in. long
* 9	8420235	1	GEAR .. Draft - NC-390
10	8446911	1	PLATE .. End - Front
11	8446912	1	PLATE .. End - Rear
12	8447855	2	PLATE .. Wear - 1/2 in. x 2 in. x 2-1/2 in.
13	8447854	2	PLATE .. Wear - 1/2 in. x 2 in. x 3 in.
14	8446910	2	PAD .. Rubber - End
15	8446909	5	PAD .. Rubber - Center

P.L. No. B2711-E

COUPLER AND DRAFT GEAR

Uncoupling Arrangement - "AP" and "E" Coupler

G18U, G18W, GA18, G22U, G22W, G22CU, GL22C, GT22CU, G26CW, GT26CW and GT26CU-2 Locomotives



Right Side

Front Of Locomotive

Left Side

PLATE B2711-E-25

Ref. No.	Part Number	Number Required										Description
		A	B	C	D	E	F	G	H	J	K	
		.	.	.	.	.	.	.	.	.	.	GA18 and G18U with "AP" coupler
		.	.	.	.	.	.	.	.	.	.	G18U and G18W with "AP" coupler
		.	.	.	.	.	.	.	.	.	.	G18U with "AP" coupler
		.	.	.	.	.	.	.	.	.	.	G22U with "AP" coupler
		.	.	.	.	.	.	.	.	.	.	GT26CU-2 with "AP" coupler
		.	.	.	.	.	.	.	.	.	.	G18U with "E" coupler
		.	.	.	.	.	.	.	.	.	.	G22W with "E" alignment cont.cplr.
		.	.	.	.	.	.	.	.	.	.	G22CU and GT22CU w/"E" alignment control coupler
		.	.	.	.	.	.	.	.	.	.	G26CW and GL22C with "E" coupler
		.	.	.	.	.	.	.	.	.	.	GT26CW w/"E" alignment cont. cplr.
1	8206282	2	.	.	.	2	.	.	.	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8405561	.	2	.	.	.	.	.	.	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8429194	.	.	2	2	.	.	.	.	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8385430	.	.	.	.	.	2	.	.	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8391232	.	.	.	.	.	.	2	.	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8387667	.	.	.	.	.	.	.	2	.	.	LEVER .. Uncoupler - L.F. and R.R.
1	8451505	.	.	.	.	.	.	.	.	2	.	LEVER .. Uncoupler - L.F. and R.R.
2	8206283	2	.	.	.	2	.	.	.	.	.	LEVER .. Uncoupler - R.F. and L.R.
2	8405562	.	2	.	.	.	.	.	.	.	.	LEVER .. Uncoupler - R.F. and L.R.
2	8429195	.	.	2	2	.	.	.	.	.	.	LEVER .. Uncoupler - R.F. and L.R.
2	8385431	.	.	.	.	.	2	.	.	2	.	LEVER .. Uncoupler - R.F. and L.R.
2	8391231	.	.	.	.	.	.	2	.	.	.	LEVER .. Uncoupler - R.F. and L.R.
2	8387666	.	.	.	.	.	.	.	2	.	.	LEVER .. Uncoupler - R.F. and L.R.
2	8451506	.	.	.	.	.	.	.	.	2	.	LEVER .. Uncoupler - R.F. and L.R.
3	106270	8	8	8	8	8	8	8	8	8	8	WASHER .. Plain - 1-1/16 I.D.
4	8263436	2	2	.	.	.	.	.	.	.	.	BAIL .. Uncoupling
4	8476387	.	.	2	.	.	.	.	.	.	.	BAIL .. Uncoupling
4	8429196	.	.	.	2	.	.	.	.	.	.	BAIL .. Uncoupling
4	8278961	.	.	.	.	2	.	.	.	2	.	BAIL .. Uncoupling
4	8488829	.	.	.	.	.	2	.	.	.	.	BAIL .. Uncoupling
4	8176940	.	.	.	.	.	.	2	.	.	2	BAIL .. Uncoupling
4	8305902	.	.	.	.	.	.	.	2	.	.	BAIL .. Uncoupling
5	8024774	2	.	2	2	.	2	2	2	2	2	CLEVIS .. Uncoupling - 7 in. long
5	8062282	.	2	.	.	2	.	.	.	.	.	CLEVIS .. Uncoupling - 11-3/4 in. lg.
6	271616	2	2	.	2	2	.	2	2	2	2	BOLT .. 3/4-10 x 3-1/4 hex. head
6	271615	.	.	2	.	.	2	.	.	.	.	BOLT .. 3/4-10 x 3 hex. head
7	9416522	2	2	.	2	.	.	2	.	2	2	NUT .. Lock - 3/4-10 hex.
7	8032748	.	.	2	.	2	2	.	2	.	.	NUT .. Self locking - 3/4-10 hex.
8	8177663	8	8	8	8	8	8	.	.	8	.	BRACKET .. Uncoupler lever
8	8141519	.	.	.	.	.	.	8	8	.	8	BRACKET .. Uncoupler lever
9	179885	16	16	16	16	.	.	16	.	16	16	BOLT .. 1/2-13 x 1-1/2 hex. head
9	179887	.	.	.	.	16	.	.	.	.	.	BOLT .. 1/2-13 x 1-3/4 hex. head
10	8032745	16	16	16	16	16	16	16	16	16	16	NUT .. Lock - 1/2-13 hex.

COUPLER AND DRAFT GEAR

"G" Coupler - Uncoupling Arrangement
G18W and GT26CW Locomotive

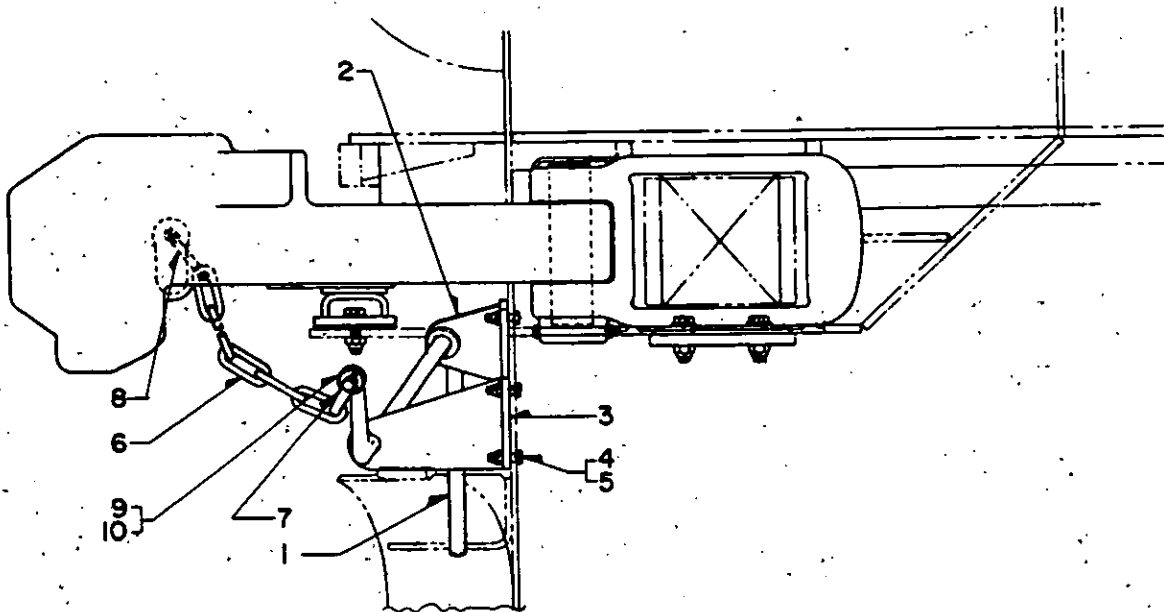


PLATE B2711-E-26

Ref. No.	Part Number	No. Req.	Description
		A	G18W
		B	GT26CW
1	8406996	2	ROD .. Uncoupling - Front and rear
2	8406626	2	BRACKET .. Uncoupling rod - Inner
3	8406625	2	BRACKET .. Uncoupling rod - Outer
4	179887	16	BOLT .. 1/2-13 x 1-3/4 hex. head
5	9416517	16	NUT .. Lock - 1/2-13 hex.
6	8406997	2	CHAIN ASSEMBLY .. Uncoupling
7	8100167	2	CLEVIS
8	8034230	2	LINK .. Locking
9	103348	8	WASHER .. Plain - 1-1/16 I.D.
10	103421	2	PIN .. Cotter - 1/4 x 1-3/4 in. long
*11	8278335	4	BUFFER .. Friction - 18 in. dia. face
*11	8312381	4	BUFFER .. Friction - B-18-WA
*12	271704	16	BOLT .. Buffer mounting - 1-8 x 3-1/2 hex. head
*12	271705	16	BOLT .. Buffer mounting - 1-8 x 3-3/4 hex. head
*13	9416526	16	NUT .. Lock - 1-8 hex.

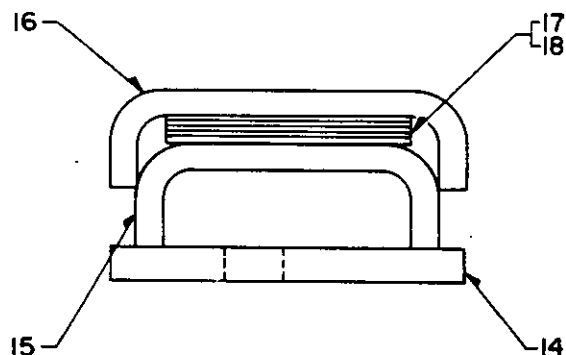
P.L. No. B2711-E

COUPLER AND DRAFT GEAR

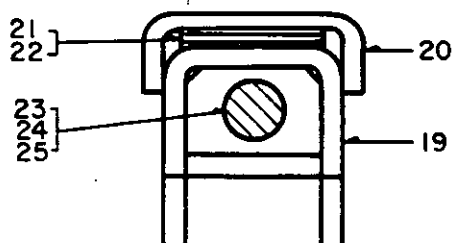
Coupler Carrier

G18U,G18W,GA18,G22U,G22W,G22CU,GL22C,GT22CU,G26CW and GT26CW Locomotives

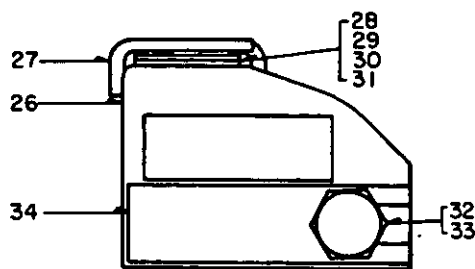
Ref. No.	Part Number	No. Req.	Description
1	8263421	A	CARRIER .. Coupler - 15-5/8 in.lg. - "AP" coupler - GA18,G18U,G18W
2	8375321	B	CARRIER .. Coupler - 12-1/2 in.lg. - "E" coupler - GL22C
3	8406620	C	CARRIER .. Coupler - 19-1/2 in.lg. - "G" coupler - G18W
4	8263423	1	PLATE .. Wear - 9-1/4 in. long
5	8371043	1	PLATE .. Wear - 9 in. long
6	8406622	1	PLATE .. Wear - 12-1/2 in. long
7	271613	2	BOLT .. 3/4-10 x 2-1/2 hex. head
8	103346	2	WASHER .. Plain - 13/16 I.D.
9	9426522	2	NUT .. Lock - 3/4-10 hex.
10	8263424	A.R.	SHIM .. 11 Ga.x 2-3/8 x 4-7/8 in.lg.
11	8371054	A.R.	SHIM .. 1/8 x 4-1/2 x 12-1/2 in.lg.
12	8371055	A.R.	SHIM .. 1/4 x 4-1/2 x 12-1/2 in.lg.
13	8406624	A.R.	SHIM .. 11 Ga.x 3-5/16 x 4-7/8 in.lg.



14	8346069	1	PLATE .. Carrier - 17-1/4 in.lg. - Weld to draft gear pocket - "AP" coupler - G18U
15	8346070	1	CHANNEL .. Carrier - 16-1/4 in.lg. - Welds to carrier plate
16	8345950	1	PLATE .. Wear - 16-1/4 in. lg.
17	8345951	A.R.	SHIM .. 16 Ga.x 3-1/4 x 16-1/4 in.lg.
18	8346030	A.R.	SHIM .. 11 Ga.x 3-1/4 x 16-1/4 in.lg.



19	8278662	1	CARRIER .. Coupler - 13-3/8 in.lg. - "E" coupler - G18U,G26CW
20	8245100	1	PLATE .. Wear
21	8245101	A.R.	SHIM .. 11 Ga.x 3-1/16 in.x 10-5/8 in.
22	8245102	A.R.	SHIM .. 16 Ga.x 3-1/16 in.x 10-5/8 in.
23	8421929	1	STUD .. Carrier retaining - 1-1/8-7 x 1-1/8-7 x 18-1/2 in. long
24	9421259	2	NUT .. Lock - 1-1/8-7 hex.
25	8293004	A.R.	SHIM .. 16 Ga.x 2 x 2-15/16 in.lg.



26	8336798	1	CARRIER .. Coupler - 15-3/4 in.lg. - "E" alignment control coupler - G22W,G22CU,GT22CU,GT26CW
27	8336782	1	PLATE .. Wear - 12-5/8 in. long
28	8337564	A.R.	SHIM .. 11 Ga.x 3 x 12-5/8 in.long
29	8337565	A.R.	SHIM .. 11 Ga.x 3 x 12-5/8 in.long
30	8411663	A.R.	SHIM .. 1/4 in.x 3 in.x 12-5/8 in.lg.
31	8411664	A.R.	SHIM .. 1/2 in.x 3 in.x 12-5/8 in.lg.
32	272819	2	BOLT .. 1-1/8-7 x 4-1/4 hex. head
33	9421259	2	NUT .. Lock - 1-1/8-7 hex.
34	8259607	A.R.	SHIM .. 20 Ga.x 2 x 8-1/4 in.long

PLATE B2711-E-27

Parts List No. A2940-E

HORN

Air Horn (Leslie)

G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
JT22CW,JT22CW-2,G26CU,G26CW,GT26CW and GT26CW-2 Locomotives

PLATE A2940-E-1

Ref. No.	Part Number	Number Required										Description
1	8296671	A	-	-	-	-	-	-	-	-	-	HORN .. Air - S44X - Single bell - JT22CW
2	8197542	-	B	-	-	-	-	-	-	-	-	HORN .. Air - S31 - Single bell - G18U,G18W,G22U,G22CU, G22CW,GT22CU,GT22CW,G26CW,GT26CW
3	8381204	-	-	C	-	-	-	-	-	-	-	HORN .. Air - S31X - Single bell - GL22C
4	8246458	-	-	-	D	-	-	-	-	-	-	HORN .. Air - S44 - Single bell - G18W,GA18
* 5	8196313	-	-	-	-	E	-	-	-	-	-	HORN .. Air - S2M - Two bell - No. 31 and 44 horn bell forward G22CU,G22CW,G26CU,GT26CW-2
* 6	8219708	-	-	-	-	-	F	-	-	-	-	HORN .. Air - S2M-R - Two bell - No. 31 horn bell forward and No. 44 horn bell reverse - G18U,GL18M,G22W,JT22CW-2, G26CU,G26CW,GT26CW,GT26CW-2
* 7	8285935	-	-	-	-	-	-	G	-	-	-	HORN .. Air - S2M-RX - Two bell - No. 31 horn bell forward and No. 44 horn bell reverse - G22CU,GL22C
* 8	8302354	-	-	-	-	-	-	-	H	-	-	HORN .. Air - S2CR - Two bell - No. 37 horn bell forward and No. 44 horn bell reverse - GA18,G22CU
9	8363199	-	-	-	-	-	-	-	-	J	-	HORN .. Air - SL-3L-R - Three bell - No. 25 and 31 horn bell forward and No. 44 horn bell reverse - G22W,G26CW,GT26CW
*10	8202465	-	-	-	-	-	-	-	-	-	K	HORN .. Air - S-ST - Five bell - No's. 25,31,37,44 and 55 horn bell forward - JT26C
11	8253321	1	1	1	1	-	-	-	-	-	-	BASE .. Single bell horn
*11	8221697	-	-	-	-	1	1	1	1	-	-	BASE .. Two bell horn
11	8387728	-	-	-	-	-	-	-	-	1	-	BASE .. Three bell horn
*11	8217124	-	-	-	-	-	-	-	-	-	1	BASE .. Five bell horn
12	8217129	-	-	-	-	-	-	-	-	1	1	HORN BELL .. No. 25 with .125 orifice
13	8221696	-	1	-	-	1	1	-	-	-	-	HORN BELL .. No. 31 with .125 orifice
14	8217128	-	-	-	-	-	-	-	-	1	1	HORN BELL .. No. 31 with .109 orifice
15	8307026	-	-	1	-	-	-	1	-	-	-	HORN BELL .. No. 31 with .080 orifice
*16	8217127	-	-	-	-	-	-	-	1	-	1	HORN BELL .. No. 37 with .095 orifice
17	8254138	-	-	-	1	-	-	-	-	-	-	HORN BELL .. No. 44 with .125 orifice
18	8306858	-	-	-	-	-	-	-	-	1	-	HORN BELL .. No. 44 with .109 orifice
19	8217126	1	-	-	-	1	1	1	1	-	1	HORN BELL .. No. 44 with .080 orifice
*20	8217125	-	-	-	-	-	-	-	-	-	1	HORN BELL .. No. 55 with .080 orifice
+ 21	8211999	1	1	1	1	2	2	2	2	3	5	GASKET .. Horn bell to base
+ 22	179850	3	3	3	3	6	6	6	6	9	15	BOLT .. Horn bell to base and diaphragm housing - 3/8 - 16 x 2-3/4 hex. head
+ 23	103456	3	3	3	3	6	6	6	6	9	15	WASHER .. Lock - 3/8
+ 24	8198938	1	1	1	1	2	2	2	2	3	5	DIAPHRAGM ASY. .. Horn - "S" type
+ 24	9520103	1	1	1	1	2	2	2	2	3	5	DIAPHRAGM ASY. .. Horn - "RS" type
+ 25	8474051	3	3	3	3	6	6	6	6	9	15	SCREW .. Machine - Diaphragm retaining - 6-32 x 5/16 round head - Replaces 448301
+ 26	8217123	1	1	1	1	2	2	2	2	3	5	HOUSING .. Diaphragm
+ 27	8211999	1	1	1	1	2	2	2	2	3	5	GASKET .. Diaphragm housing to base.
28		1	1	1	1	2	2	2	2	3	5	GASKET .. Horn bell to housing - "RS" type
+ 29	8211998	1	1	1	1	2	2	2	2	3	5	COVER .. Back - "S" type horn
+ 29		1	1	1	1	2	2	2	2	3	5	COVER .. Back - "RS" type horn
+ 30	180080	6	6	6	6	12	12	12	12	18	30	BOLT .. Back cover to diaphragm housing - 5/16 - 18 x 1-1/8 in. hex. head - "S" type horn
+ 30		6	6	6	6	12	12	12	12	18	30	SCREW .. Tap tight - "RS" type horn
+ 31	9414962	6	6	6	6	12	12	12	12	18	30	NUT .. Lock - 5/16 hex. - "S" type horn

+ For full retrofit from an "S" horn to an "RS" horn, remove bolts and lockwashers, Ref. Nos. 22 and 23 and retain for reuse. Replace power chamber, Ref. Nos. 24, 25, 26, 29, 30 and 31 with an "RS" horn power chamber, Ref. No. 32 using gasket Ref. No. 21.

P.L. No. A2940-E

HORN

Ref. No.	Part Number	Number Required										Description
-	8296671	A	-	-	-	-	-	-	-	-	-	HORN .. Air - S44X - Single bell
-	8197542	-	B	-	-	-	-	-	-	-	-	HORN .. Air - S31 - Single bell
-	8381204	-	-	C	-	-	-	-	-	-	-	HORN .. Air - S31X - Single bell
-	8246458	-	-	-	D	-	-	-	-	-	-	HORN .. Air - S44 - Single bell
-	8196313	-	-	-	-	E	-	-	-	-	-	HORN .. Air - S2M - Two bell
-	8219708	-	-	-	-	-	F	-	-	-	-	HORN .. Air - S2M-R - Two bell
-	8285935	-	-	-	-	-	-	G	-	-	-	HORN .. Air - S2M-RX - Two bell
-	8302354	-	-	-	-	-	-	-	H	-	-	HORN .. Air - S2CR - Two bell
-	8363199	-	-	-	-	-	-	-	-	J	-	HORN .. Air - SL-3L-R - Three bell
-	8202465	-	-	-	-	-	-	-	-	-	K	HORN .. Air - S-ST - Five bell
† 32	9520104	1	1	1	1	2	2	2	2	3	5	CHAMBER .. Power - "RS" type horn
†† 33	9505662	As Required										SEALANT .. Screw threads - 50 C.C.

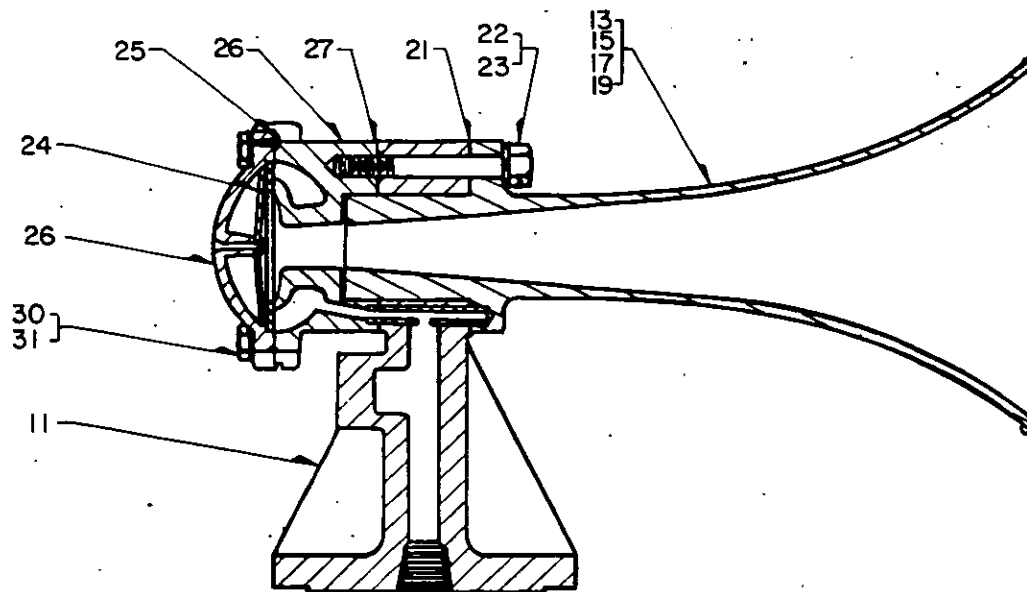
† For replacement of diaphragm in an "RS" type horn, use Ref. No. 24, 9520103. Tap tight screws Ref. No. 30 which will be re-used, are to be coated with thread locking sealant, Ref. No. 33. This is important due to the high frequency vibration of the horn.

*34	8185843	1	1	1	1	1	1	1	1	1	1	INSULATOR .. Pad - Horn mounting
*35	179889	4	4	4	4	4	4	4	4	4	4	BOLT .. Horn mounting - 1/2 - 13 x 2hex. head
*36	103323	4	4	4	4	4	4	4	4	4	4	WASHER .. Lock - 1/2

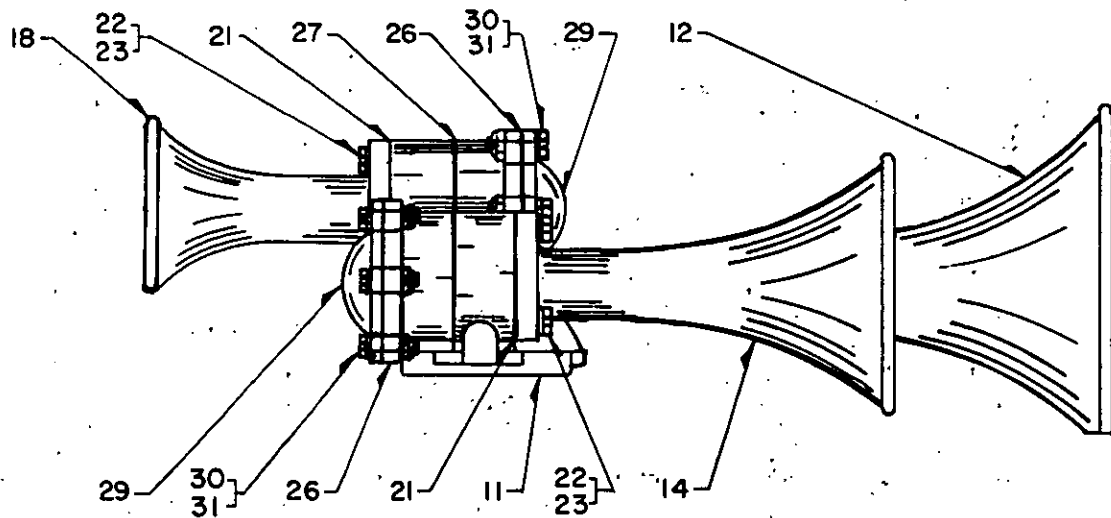
Effective approximately January, 1979 all Leslie "S" model horns were changed to "RS" model horns. Most horns applied after this time would be "RS" models. The "RS" design features simplified maintenance and construction. The part number of "RS" horns will be the same as the "S" model which they replace. The "RS" horn can readily be distinguished from an "S" horn by the back cover which has a pyramid shape projection extending 2-3/8 inches from an otherwise flat configuration. The back cover the "S" horn is hemispherical.

P.L. No. A2940-E

HORN



Ref. Nos. 1,2,3 and 4

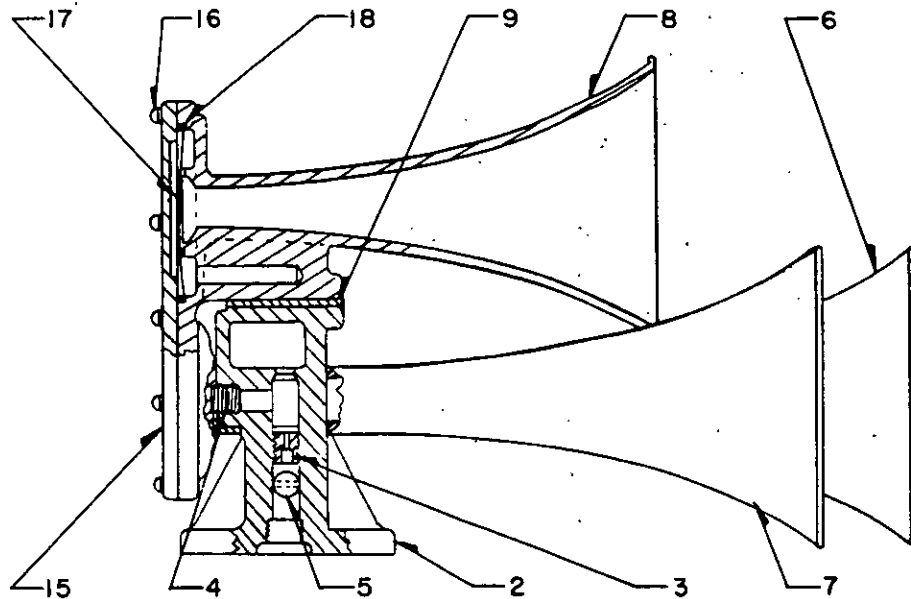


Air Horn (Leslie)

PLATE A2940-E-1

HORN

Air Horn (Nathan)
GT26CU-2 Locomotive



Ref. No. 1

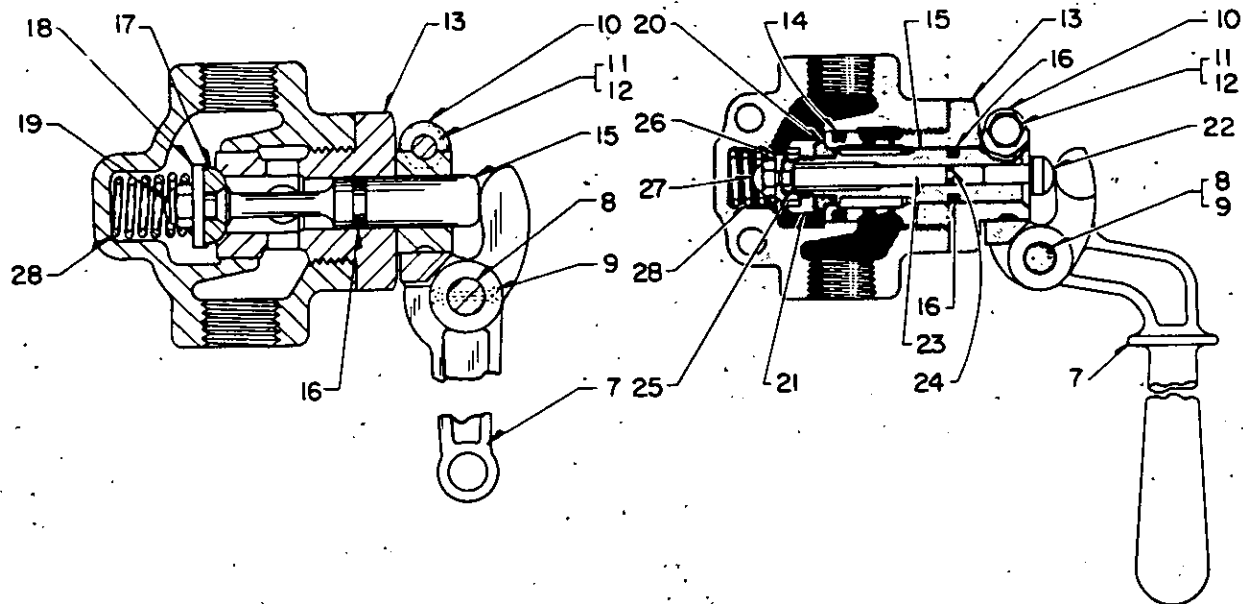
PLATE A2940-E-2

Ref. No.	Part Number	No. Req.	Description
1	8206371	1	HORN .. Air - P-124 - Three bells forward
2	8223332	1	MANIFOLD .. Air horn base - High profile
3	8223331	1	RESTRICTOR .. Air horn base
4	444692	1	PLUG .. Pipe - 1/4 M.P.T. - Headless hex. socket
5	8366091	2	PLUG .. Pipe - 1/2 M.P.T. - Headless slotted
6	8223342	1	HORN .. Bell - No. 1
7	8223336	1	HORN .. Bell - No. 2
8	8223334	1	HORN .. Bell - No. 4
9	8223341	5	GASKET .. Horn bell to manifold and cover plate
*10	189305	4	BOLT .. Horn bell to manifold - 3/8-16 x 3-1/2 hex. head
*11	180138	2	BOLT .. Horn bell to manifold - 3/8-16 x 3 hex. head
*12	120394	6	WASHER .. Plain - Horn bell to manifold bolt - 3/8
*13	120381	6	WASHER .. Lock - Horn bell to manifold bolt - 3/8
*14	120377	6	NUT .. Horn bell to manifold bolt - 3/8-16 hex.
15	8223340	3	CAP .. Horn bell
16	420994	18	SCREW .. Horn cap to horn bell - 1/4-20 x 7/8 round head
17	8223339	3	DIAPHRAGM ASSEMBLY .. Horn bell
18	8223338	3	RETAINER .. Diaphragm seat

P.L. No. A2940-E

HORN

Air Horn Operating Valve
 G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,GT22CW,
 JT22CW,JT22CW-2,G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

Ref. No. 6

PLATE A2940-E-3

Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
		-	-	-	-	-	-	G18U Locomotives
		-	-	-	-	-	-	GA18,G22CU,G22CW,GT22CU and GT22CW Locomotives
		-	-	-	-	-	-	G22CW,JT22CW and G26CW Locomotives
		-	-	-	-	-	-	JT22CW-2 Locomotives
		-	-	-	-	-	-	G22U,G22W,G22CU,G22CW,GL22C,G26CU,G26CW,GT26CW and
		-	-	-	-	-	-	GT26CW-2 locomotives
		-	-	-	-	-	-	G18U,G18W,GL18M,GL22C,JT22CW-2,G26CW and GT26CU-2 locomotives
1	8157491	1	-	-	-	-	-	VALVE .. Air horn operating - Non-modulating - Cable operated
* 2	8172295	-	1	-	-	-	-	VALVE .. Air horn operating - With 1/8 inch choke - Cable operated
* 3	8196132	-	-	1	-	-	-	VALVE .. Air horn operating - With 1/16 inch choke - Cable operated
* 4	8302907	-	-	-	1	-	-	VALVE .. Air horn operating - With 1/16 inch choke - Hand operated
* 5	8329957	-	-	-	-	1	-	VALVE .. Air horn operating - Non-modulating - Hand operated
6	8347960	-	-	-	-	-	1	VALVE .. Air horn operating - With 1/16 inch choke - Hand operated
7	8163447	1	1	1	-	-	-	LEVER .. Valve operating - Cable operated
7	8253186	-	-	-	1	-	-	LEVER .. Valve operating - Hand operating
7	9099639	-	-	-	-	1	1	LEVER .. Valve operating - Hand operating - Replaces 8334269
8	8163448	1	1	1	1	1	1	PIN .. Valve operating lever
9	103372	-	2	2	2	-	-	PIN .. Cotter - 3/32 x 1/2 in. long
9	103373	2	-	-	-	2	2	PIN .. Cotter - 3/32 x 3/4 in. long
10	8163450	1	1	1	1	1	1	FULCRUM .. Valve operating lever
11	179799	1	-	-	-	1	-	BOLT .. 1/4 - 20 x 1-1/4 hex. head
11	179801	-	1	1	-	-	1	BOLT .. 1/4 - 20 x 1-1/2 hex. head
11		-	-	-	1	-	-	BOLT .. Fulcrum support - Special hex. head cap
12	109084	1	1	1	1	1	1	NUT .. 1/4 - 20 hex.
13	8163441	1	-	-	-	1	-	SEAT .. Valve
13	8188405	-	1	1	1	-	1	SEAT .. Valve
14	8163442	1	1	1	-	-	1	RING .. "O" - Valve seat
14		-	-	-	1	1	-	RING .. "O" - Valve seat

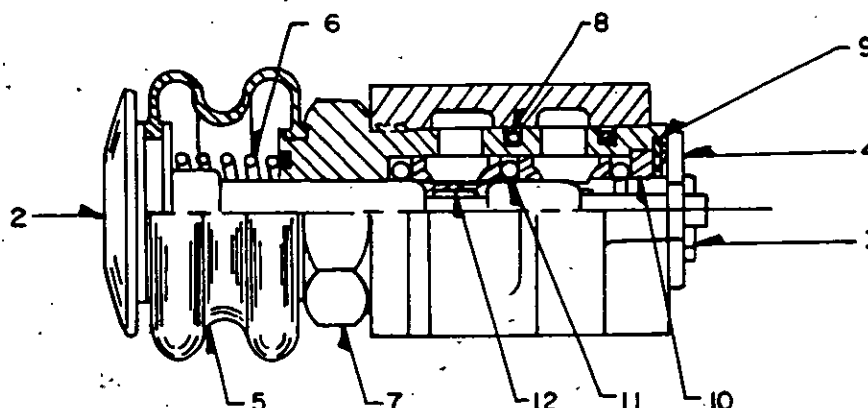
P.L. No. A2940-E

HORN

Ref. No.	Part Number	Number Required						Description
-	8157491	A	-	-	-	-	-	VALVE .. Air horn operating
-	8172295	-	B	-	-	-	-	VALVE .. Air horn operating
-	8196132	-	-	C	-	-	-	VALVE .. Air horn operating
-	8302907	-	-	-	D	-	-	VALVE .. Air horn operating
-	8329957	-	-	-	-	E	-	VALVE .. Air horn operating
-	8347960	-	-	-	-	-	F	VALVE .. Air horn operating
15	8163443	1	-	-	-	1	-	STEM ASY. .. Valve
15	8188406	-	1	-	-	-	-	STEM .. Valve - With 1/8 inch choke
15	8205972	-	-	1	1	-	1	STEM .. Valve - With 1/16 inch choke
16	8163444	1	-	-	-	1	-	RING .. "O" - Valve stem
16	8188407	-	1	1	1	-	1	RING .. "O" - Valve stem
17	8163445	1	-	-	-	1	-	DISC .. Valve
18	8163446	1	-	-	-	1	-	WASHER .. Valve disc
19	8032715	1	-	-	-	1	-	NUT .. Lock - 1/4-28 hex.
20	8188409	-	1	1	1	-	1	DISC .. Valve
21	8188410	-	1	1	1	-	1	WASHER .. Valve disc
22	8188415	-	1	1	1	-	1	PLUNGER .. Valve stem
23	8189458	-	1	1	-	-	1	STEM ASY. .. Secondary valve
23		-	-	-	1	-	-	STEM ASY. .. Secondary valve
24	8188414	-	1	1	1	-	1	RING .. "O" - Valve stem
25	8188413	-	1	1	1	-	1	DISC .. Valve
26	8188412	-	1	1	1	-	1	WASHER .. Valve disc
27	8032811	-	1	1	1	-	1	NUT .. Lock - 8-32 hex.
28	8163449	1	-	-	-	1	-	SPRING .. Valve stem
28	8188408	-	1	1	1	-	1	SPRING .. Valve stem

HORN

Air Horn Operating Valve
G18U,G18W,GA18,GL18M,G22U,G22W,G22CU,G22CW,
GL22C,GT22CW and GT26CW-2 Locomotives



Ref. No. 1

PLATE A2940-E4

Ref. No.	Part Number	No. Req.	Description
1	8307151	1	VALVE .. Air horn operating - Push - 616-1A-CH - 1/4 F.P.T. air inlet and outlet
2	8307902	1	STEM ASSEMBLY .. Valve - Includes knob
3	103373	1	PIN .. Cotter - 3/32 x 3/4 in. long
4	8305727	1	WASHER .. Spider
5	8299810	1	BOOT .. Stem and cartridge body
6	8288488	1	SPRING
7	8299811	1	BODY .. Cartridge
8	8222629	2	RING .. "O" .. Cartridge seal
9	9414874	1	RING .. Retainer - "O" ring and spool spacer
10	8299813	1	WASHER .. Retainer
11	8299812	3	RING .. "O" - Valve stem seal
12	8300627	2	SPOOL .. Spacer - "O" ring
*13	8295369	1	SWITCH .. Foot - See P.L. 1900-E

P.L. No. A2940-E

HORN

Solenoid Actuated Air Horn Operating Valve
G22W, G26CW and GT26CW Locomotives

Ref. No.	Part Number	No. Req.	Description
		A -	G22W and G26CW Locomotives
		B -	GT26CW Locomotives
1	8343486	1	VALVE ASY. .. Air horn operating - Replaced by 8489224
1	8489224	1	VALVE ASY. .. Air horn operating - Replaces 8343486
2	8294627	1	BRACKET .. Mounting
2		1	BRACKET .. Mounting
* 3	8294634	1	GASKET .. Bracket to valve
4	120214	4	WASHER .. Lock - 5/16
5	120376	4	NUT .. 5/16-18 hex.
6	9411424	4	BOLT .. 1/4-20 x 3/4 hex. hd. Includes lockwasher
7		1	CAP .. Actuating
8	8350389	1	RING .. "O" - Cap to body
9	8308292	1	RING .. "O" - Cap to body
10	8133223	1	CAP .. Spring
11	8133220	1	SPRING .. Valve
12		1	BODY .. Valve
*13	8360416	1	PISTON ASY. .. Actuating
14	8294565	1	PISTON .. Actuating - Repl. 8360415
15	8156971	1	RING .. "O" - Piston seal
16	8294563	2	SEAT .. Valve
17	8360414	1	SPACER .. Valve seat
18	8360413	1	WASHER .. Valve seat
19	8360412	1	BOLT .. Valve stem - 1/4-20 x 1-3/4 long
20	8078285	1	WASHER .. Cup
*21	8294564	1	PLUG .. Retainer - Between valve body and mtg. brkt.
*22	8156967	1	RING .. "O" retainer plug seal
23	8360419	1	BODY .. Solenoid valve
24	8350590	1	RING .. "O" - Body to actuating cap seal
25	8362707	1	RING .. "O" - Body to coil case seal
26	8350383	1	POLE .. Coil
27	8362482	1	NUT ASY. .. Exhaust - Form. 8360402
28	8305664	1	RING .. "O" exhaust nut
*29	8250983	1	PLUNGER ASY. .. Solenoid
*30	8447977	1	KIT .. Plunger and seats
31	8251091	2	SEAT .. Plunger
32	8293034	1	SPACER .. Plunger seat
33	8293029	1	BODY .. Plunger
34	8293036	1	CAP .. Plunger
35	8288488	1	SPRING .. Plunger
36	8468748	1	COIL .. Solenoid - 330 Ohms - Replaces 8292290
37	8390672	1	CASE .. Coil
*38		1	PLATE .. Cover - Coil case
*39	8293030	1	GASKET .. Cover plate to coil case
*40	121832	2	SCREW .. Machine - 8-32 x 3/8 Round head
*41	8251649	1	GROMMET .. Rubber

Ref. No. 1

PLATE A 2940-E-5

Parts List No. A2945-E

BELL

Bell and Bell Ringer Mounting
 G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,JT22CW-2,
 G26CU,G26CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

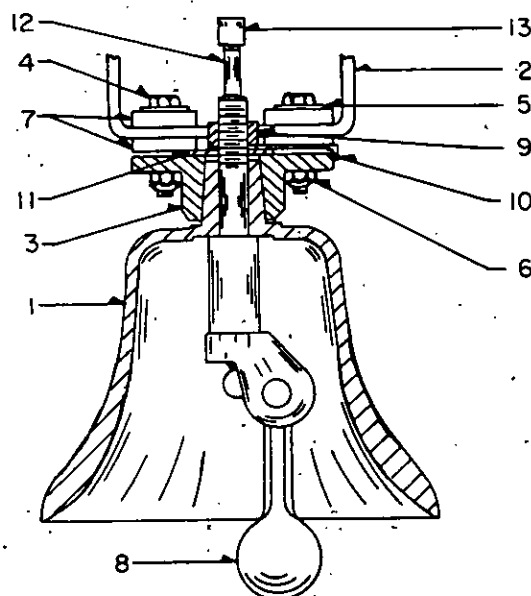


PLATE A2945-E-1

Ref. No.	Part Number	No. Req.	Description
φ 1	8004156	1	BELL .. Locomotive - 12 inch - Bronze
φ 1	8475495	1	BELL .. Locomotive - 12 inch - Steel
2	----	1	BRACKET .. Bell hanger - Welds to underframe 8345675 .. G22U,G22W,G22CU,G22CW,G26CU,G26CW and GT26CW 8404835 .. G18W,GT26CU-2 and GT26CW-2 8416857 .. GA18 9320065 .. G18U 9321622 .. G26CW 9500998 .. JT22CW-2
3	8044623	1	BLOCK .. Spacer
4	179892	4	BOLT .. 1/2 - 13 x 2-3/4 hex. head
5	106265	4	WASHER .. Plain - 9/16 I.D.
6	9416517	8	NUT .. Lock - 1/2 - 13 hex.
7	8024009	8	INSULATOR .. Vibration
8	----	1	RINGER .. Internal bell - See page 2
9	220082	1	NUT .. 7/8 - 9 hex.
10	8121176	1	PLATE .. Lock
11	106269	1	WASHER .. Plain - 15/16 I.D.
12	8072396	1	NIPPLE .. Pipe - 1/4 M.P.T. x 2 in. long
13	118576	2	ELBOW .. 3/8 tube x 1/4 F.P.T.
*14	8098594	AR	TUBING .. 3/8 O.D. x .028 wall copper brazed steel - Sold per foot - Available 20 ft. lengths - Approximately 3 ft. required
*15	121758	2	NUT .. 3/8 tube
*16	8236518	1	CLAMP ASY. .. Tubing support

18528	19547	22303	24702	30066	33509
19397	20659	24523	28476	31535	36219

AUGUST, 1980

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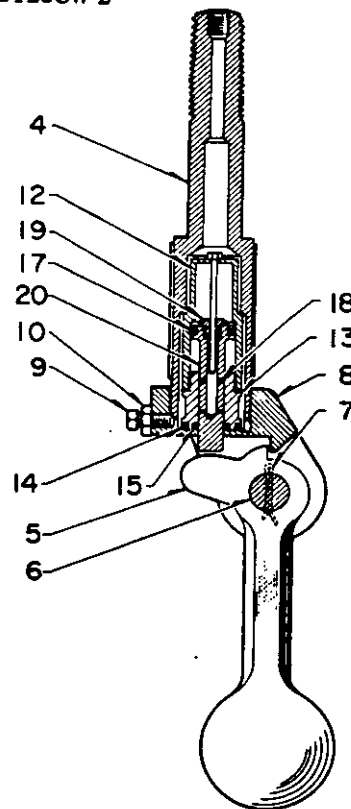
A2945-E

P.L. No. A2945-E

BELL

Internal Bell Ringer and Bell Operating Valve
 G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,JT22CW-2,G26CU,G26CW,
 GT26CW,GT26CU-2 and GT26CW-2 Locomotives

Ref. No.	Part Number	No. Req.	Description
1	8165409	A -	RINGER .. Internal bell - Single action - BR-106 - Cadence 55 to 80 at 80 to 140 P.S.I. - Replaced by 8269473 - G18W,GA18,G22W,G22CU
2	8345708	- B -	RINGER .. Internal bell - Single action - BR-108 - Cadence 100 to 120 at 135 P.S.I. - G18U,GA18,G22W,G26CW,GT26CW
3	8269473	- - C	RINGER .. Internal bell - Double action - 506 - Cadence 85 to 96 at 135 P.S.I. - Replaces 8165409 - G18W,G22U,G22W,G22CW, JT22CW-2,G26CU,G26CW,GT26CU-2,GT26CW-2
4	8167465	1 1 1	BODY .. Ringer
5	8167473	1 1 -	CLAPPER .. Bell
5	8291952	- - 1	CLAPPER .. Bell
6	8167474	1 1 1	PIN .. Clapper pivot
7	137218	1 1 1	PIN .. Cotter - 5/32 x 1-1/4 in.lg.
8	8167478	1 1 -	YOKE .. Clevis - Bell clapper
8	8291953	- - 1	YOKE .. Clevis - Bell clapper
9	102882	1 1 -	SCREW .. Set - 5/16-18 x 5/8 sq. hd.
9	102883	- - 1	SCREW .. Set - 5/16-18 x 3/4 sq. hd.
10	114502	1 1 1	NUT .. 5/16-18 hex.
*11	8183857	1 - -	CARTRIDGE ASY. .. Ringer
*11	8395299	- 1 -	CARTRIDGE ASY. .. Ringer
*11	8291959	- - 1	CARTRIDGE ASY. .. Ringer
12	8167466	1 - -	SLEEVE .. Piston
12	8395302	- 1 -	SLEEVE .. Piston
12	8291962	- - 1	SLEEVE .. Piston
13	8167470	1 1 -	GUIDE .. Piston
13	8291961	- - 1	GUIDE .. Piston
14	8167471	1 1 -	RING .. "O" cartridge seal
14	8291960	- - 1	RING .. "O" cartridge seal
15	8167472	1 1 -	RING .. "O" piston seal
15	8291955	- - 1	RING .. "O" piston seal
*16	8266148	1 - -	PISTON ASY. .. Ringer
*16	-	- 1 -	PISTON ASY. .. Ringer
*16	8291958	- - 1	PISTON ASY. .. Ringer
17	8167476	1 1 -	RING .. "O" pstn.seal - Upper
17	8291955	- - 1	RING .. "O" pstn.seal - Upper
18	8167469	1 1 -	RING .. "O" pstn.seal - Lower
18	8291957	- - 1	RING .. "O" pstn.seal - Lower
19	8167467	1 - -	PLUG .. Hex. .021 in.dia.orifice
19	8395300	- 1 -	PLUG .. Hex. .021 in.dia.orifice
19	8291954	- - 1	PLUG .. Hex. .130 in.dia.orifice
20	8167475	1 - -	PISTON .. Ringer
20	8395301	- 1 -	PISTON .. Ringer
20	8291956	- - 1	PISTON .. Ringer
21	8300987	1	VALVE ASY. .. Bell operating - 3 way - Push pull - 1/4 F.P.T. air inlet and outlet - G18U,G18W,GA18,G22U,G22W,G22CU, G22CW,JT22CW-2,G26CU,G26CW,GT26CW, GT26CU-2,GT26CW-2
22	8317698		STEM ASY. .. Vlv.- Incl. knob
23	8299814	1	WASHER .. Stem retaining
24	103373	1	PIN .. Cotter - 3/32 x 3/4 in. lg.
25	8299810	1	BOOT .. Stem and cartridge body
26	8299811	1	BODY .. Cartridge
27	8222629	2	RING .. "O" - Cartridge seal
28	9414874	1	RING .. Retainer - "O" ring and spool spacer
29	8299813	1	WASHER .. Retainer
30	8299812	3	RING .. "O" - Valve stem seal
31	8300627	2	SPOOL .. Spacer - "O" ring



Ref.Nos.1,2 and 3

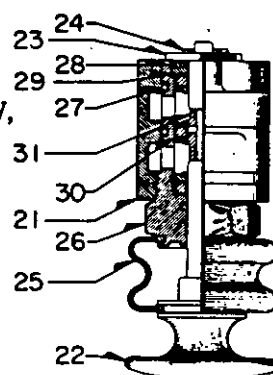


PLATE A2945-E-2

DYNAMIC BRAKE HATCH EQUIPMENT

600 Amperes
GA18 Locomotives

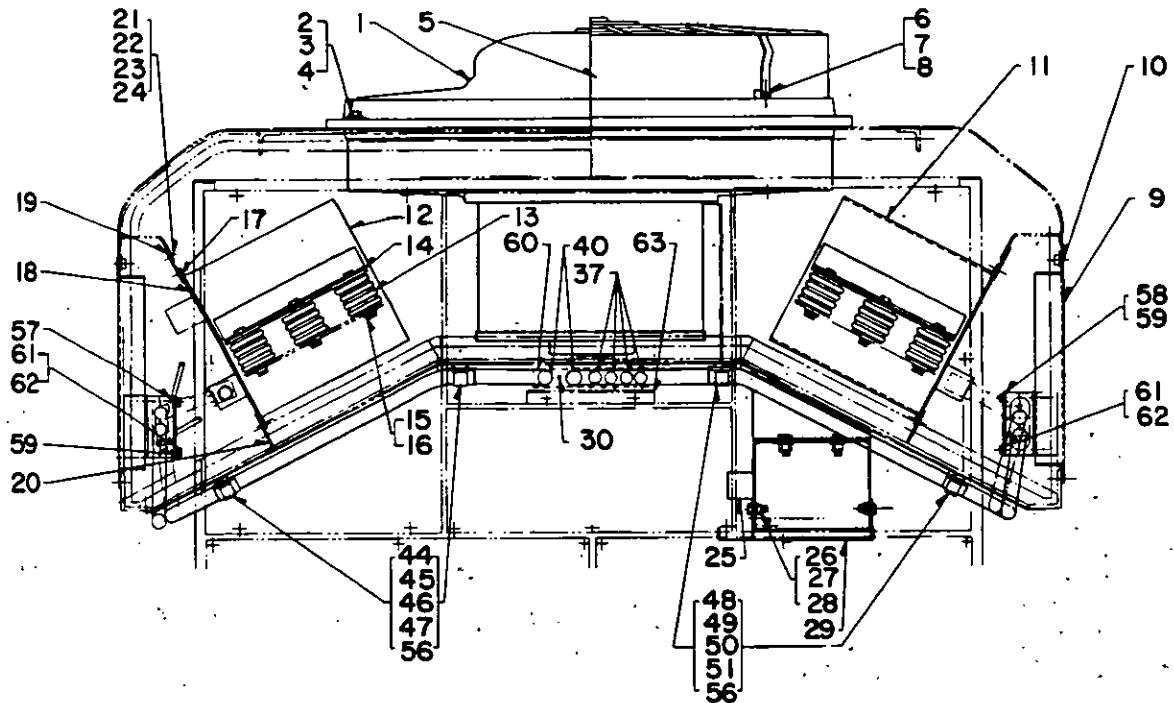


PLATE A3110-E-1

Ref. No.	Part Number	No. Req.	Description
1	5547900	1	FAN AND MOTOR ASY. .. Grid blower - 36 in. - See Parts List 4127
2	179887	8	BOLT .. 1/2 - 13 x 1-3/4 hex. head
3	120396	8	WASHER .. Plain - 1/2
4	9416536	8	NUT .. Lock - 1/2 - 13 hex.
			} Fan mounting
5	8336561	1	GUARD ASSEMBLY .. Fan - 36-1/2 in. dia.
6	8353714	4	CLIP .. Guard mounting
7	180121	4	BOLT .. Guard mounting - 3/8 - 16 x 7/8 hex. head
8	120382	4	WASHER .. Lock - 3/8
9	8417694	2	GRILL ASSEMBLY .. Air intake - 40-5/16 x 17-5/8 in.
10	9419954	16	SCREW .. Tapping - 5/16-18 x 3/4 pan head - Cross recess
11	8284406	1	RESISTOR .. Dynamic brake grid - .66 Ohms
12	8284407	1	RESISTOR .. Dyn. brake grid - .715 Ohms - Incl. motor tap @ .305 Ohms
13	8237231	12	INSULATOR .. Glastic molded - 3 in. dia. @ 2-5/8 in. long
14	8286094	4	PLATE .. Adapter - 12-1/4 x 4-5/8 x 1/4 - 6 holes @ 9/16 dia.
15	180172	24	BOLT .. Resistor mounting - 1/2 - 13 x 7/8 hex. head
16	120384	24	WASHER .. Lock - 1/2
17	9419719	44	SCREW .. Tapping - 1/4 - 20 x 1/2 pan head - Cross recess
18	8284410	4	FLASHING .. Grid - Polyglass - 17 x 6-13/16 x 3/16 in.
19	8284409	2	FLASHING .. Grid - Polyglass - 22-1/2 x 2-3/4 x 3/16 in.
20	8418067	2	FLASHING .. Grid - Polyglass - 22-1/2 x 2-3/8 x 3/16 in.
21	155353	20	SCREW .. Machine - 1/4 - 20 x 7/8 rnd. head - Cross recess
22	120392	20	WASHER .. Plain - 1/4
23	120423	20	WASHER .. Lock - 1/4 Int. tooth
24	8194287	20	NUT .. Speed - 1/4 - 20
21210	8418086		

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
25	8414805	1	RESISTOR .. Motor field shunt - 325A
26	180175	12	BOLT .. Resistor mounting - 1/2 - 13 x 1-1/4 hex. head
27	120396	12	WASHER .. Plain - 1/2
28	9416536	12	NUT .. Lock - 1/2 - 13 hex.
29	8418072	1	COVER ASY. .. Meshed screen - 20 x 12 x 3 in. - Resistor .
30	8392583	A.R.	CABLE .. BJ13 - No. 12 AWG - Tan SRG-D - 100 ft. roll (12 ft. required)
*31	8407138	A.R.	CABLE .. BM11,BM21 - 133/.0140 SRG-D - 100 ft. roll (12 ft. required)
*32	8130630	2	LUG .. Terminal - Non-Insulated crimp type - 5/16 dia. stud hole
*33	8155747	2	LUG .. Terminal - Non-Insulated crimp type - 1/2 dia. stud hole
*34	180078	2	BOLT .. Lug mounting - 5/16-18 x 7/8 hex. head
*35	120393	4	WASHER .. Plain - 5/16
*36	9416530	2	NUT .. Lock - 5/16-18 hex.
37	8187785	A.R.	CABLE .. FF11,FF21,R11,R21 - 550/24 RH-N - 100 ft. roll (29 ft. required)
*38	8127956	4	LUG .. Terminal - Straight - 550/24 - (1) 17/32 dia. hole
*39	8127959	4	LUG .. Terminal - Straight - 550/24 - (2) 13/32 dia. holes
40	8206581	A.R.	CABLE .. BB1,BR2,FJ12 - 775/24 RH-N - Sold per foot (32 ft. required)
*41	6317933	2	LUG .. Terminal - Straight - 775/24 - (2) 13/32 dia. holes
*42	8208136	2	LUG .. Terminal - Straight - 775/24 - (1) 17/32 dia. hole
43	8262006	2	LUG .. Terminal - 45° Angle - 775/24 - (1) 17/32 dia. hole
44	8418068	1	CLAMP .. Cable mounting - 5 x 1 x 3/16 in.
45	8136072	1	PLATE ASY. .. Stud - Includes studs - 5-1/4 x 1-1/2 x 1/4 in.
46	8418070	1	INSULATION .. Fiber - 5 x 2 x 1/16 in. - Flat type
47	8418069	1	INSULATION .. Fiber - 5 x 2 x 1/16 in. - "U" type
48	8262023	2	CLAMP .. Cable mounting - 4-11/16 x 1 x 3/16 in.
49	8262024	2	PLATE ASY. .. Stud - Includes studs - 4-11/16 x 1 x 1/4 in.
50	8262025	2	INSULATION .. Fiber - 4-11/16 x 2 x 1/16 in. - Flat type
51	8262026	2	INSULATION .. Fiber - 4-11/16 x 2 x 1/16 in. - "U" type
*52	6917550	1	CLAMP .. Cable mounting - 4-1/16 x 1 x 3/16 in.
*53	8224396	1	PLATE ASY. .. Stud - Includes studs - 6 x 1 x 1/4 in.
*54	6917549	1	INSULATION .. Fiber - 6 x 2 x 1/16 - Flat type
*55	6917548	1	INSULATION .. Fiber - 6 x 2 x 1/16 - "U" type
56	9416532	10	NUT .. Lock - 3/8-16 hex.
57	8418065	1	CLEAT ASY. .. Cable - 4-7/8 x 2-1/8 x 1 in. - Hardwood - (2) 1-3/32 - (1) 7/16 holes
58	8418066	1	CLEAT ASY. .. Cable - 4-7/8 x 2-1/8 x 1 in. - Hardwood - (2) 1-3/32 - (1) 7/32 holes
59	8357745	2	PLATE .. Cleat mtg. - 5 x 1 x 11 Ga. - (2) 3/8 dia. holes
60	8416527	1	CLEAT ASY. .. Cbl. - 9-7/8 x 2 x 1 in. - Hardwood - (1) 13/64 - (4) 7/8 - (2) 1-1/16 holes
61	180112	6	BOLT .. Cleat mtg. - 5/16-18 x 2-3/4 hex. head
62	120214	4	WASHER .. Lock - 5/16
63	9419874	6	SCREW .. Tapping - 1/4-20 x 3/4 hex. washer head

370 Amperes

G18U Locomotives

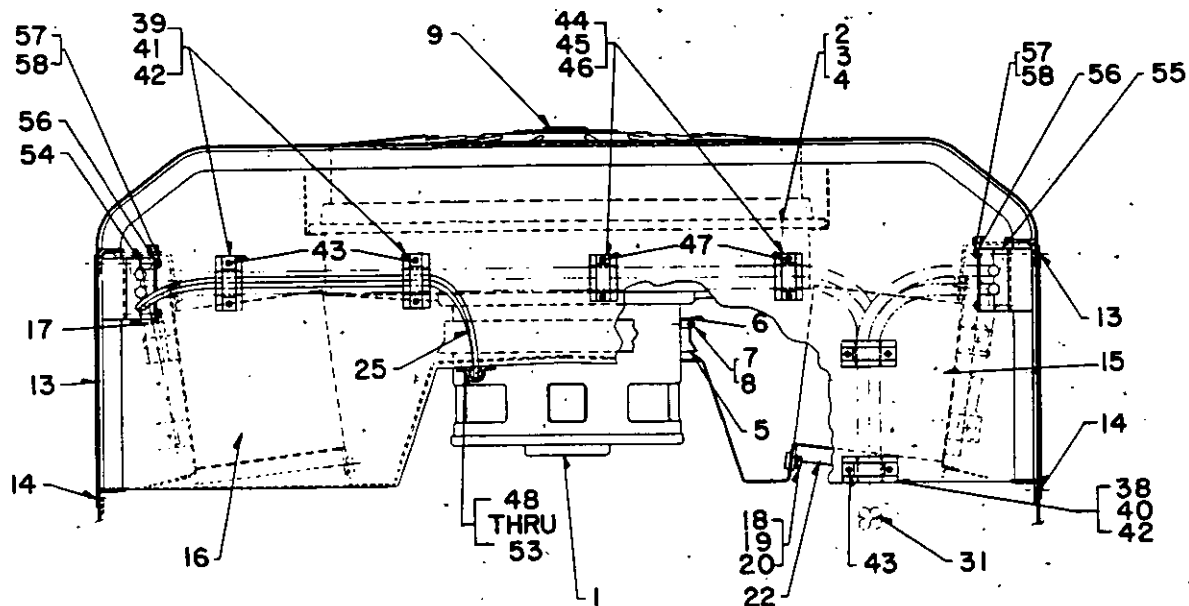


PLATE A3110-E-2

Ref. No.	Part Number	No. Req.	Description
1	5547900	1	FAN AND MOTOR ASY. .. Grid blower - 36 in. - See Parts List 4127
2	179889	8	BOLT .. Fan mounting - 1/2-13 x 1-3/4 hex. head
3	120396	8	WASHER .. Plain - 1/2
4	9416536	8	NUT .. Lock - 1/2-13 hex.
5	8205664	1	SHROUD .. Motor - 18-1/2 I.D.
6	8126082	6	SPACER .. Sleeve - 1/2 I.D. x 7/8 O.D. x 21/32 in. long
7	180081	6	BOLT .. Spacer mounting - 5/16-18 x 1-1/4 hex. head
8	120214	6	WASHER .. Lock - 5/16
9	8336561	1	GUARD ASSEMBLY .. Fan - 36-1/2 in. dia.
*10	8353714	4	CLIP .. Guard mounting
*11	180121	4	BOLT .. Guard mounting - 3/8-16 x 7/8 hex. head
*12	120382	4	WASHER .. Lock - 3/8
13	8406089	2	GRILL ASSEMBLY .. Air intake - 43-1/4 x 19-3/4 in.
14	9419650	22	SCREW .. Tapping - 3/8-16 x 3/4 hex. head
15	8250547	3	RESISTOR .. Dyn. brake grid - 1.52 Ohms
16	8250548	1	RESISTOR .. Dyn. brake grid - 1.68 Ohms - Incl. Motor tap @ .560 Ohms
17	8288021	4	BAR .. Copper bus - "U" type - 3-5/8 I.D. x 1-1/2 x 1/8 in.
18	180173	24	BOLT .. Resistor mounting - 1/2-13 x 1 hex. head
19	120384	24	WASHER .. Lock - 1/2
20	120396	24	WASHER .. Plain - 1/2
*21	8406096	4	CLOSURE .. Resistor - 13-3/4 x 2-1/2 x 1-1/4 x 16 ga.
22	8406097	4	CLOSURE .. Resistor - 11-1/4 x 2-1/2 x 1-1/4 x 16 ga.
*23	8406098	2	CLOSURE .. Resistor - 40 x 1-11/32 x 1 x 16 ga.
*24	178405	36	SCREW .. Tapping - Closure mounting - 1/4-20 x 3/8 rnd. head
19860	26627	8406088	8478793

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
25	8407138	A.R.	CABLE .. BM11,BM21 - 133/.0140 SRG-D - 100 ft. roll (13 ft. required)
*26	8130630	2	LUG .. Terminal - Non-Insulated crimp type - 5/16 dia. stud hole
*27	8155747	2	LUG .. Terminal - Non-Insulated crimp type - 1/2 dia. stud hole
*28	180078	2	BOLT .. Lug mounting - 5/16-18 x 7/8 hex. head
*29	120393	2	WASHER .. Plain - 5/16
*30	9416530	2	NUT .. Lock - 5/16-18 hex.
31	8433441	A.R.	CABLE .. BB2,BB4,BR1,BR3,BJ34 - 550/24 EPR - 100 ft. roll (52 ft. required)
*32	8127956	6	LUG .. Terminal - Straight - 550/24 - (1) 17/32 dia. hole
*33	8299361	1	LUG .. Terminal - 30° Angle - 550/24 - (2) 13/32 dia. holes
*34	8281023	3	LUG .. Terminal - 45° Angle - 550/24 - (2) 13/32 dia. holes
*35	8168448	1	CLAMP .. Insulated - 7/16 I.D.
*36	8168452	2	CLAMP .. Insulated - 7/8 I.D.
*37	9420156	3	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
38	6917552	2	CLAMP .. BB1 (or BR1),BB4,BR2 (or BB2),BR3 cables - 4-1/4 x 1 x 3/16
39	8287965	2	CLAMP .. BB1 (or BR1),BR3 (or BB2),BM11,BM21 cables - 4-1/4 x 1 x 3/16
40	6917553	2	INSULATION .. Fiber - 4-1/4 x 2 x 1/16 - "U" type - Applied with ref. no. 38
41	8287966	2	INSULATION .. Fiber - 4-1/4 x 2 x 1/16 - "U" type - Applied with ref. no. 39
42	6917545	4	INSULATION .. Fiber - 4-1/4 x 2 x 1/16 - Flat - Applied with ref. no's 38 and 39
43	9416532	8	NUT .. Lock - 3/8-16 hex.
44	8301221	6	CLAMP .. (2) Cable mounting - 3-5/8 x 1 x 11 ga.
45	8301222	6	INSULATION .. Fiber - 3-5/8 x 1-1/2 x 1/16 in. - "U" type
46	8206661	6	INSULATION .. Fiber - 3-5/8 x 1-1/2 x 1/16 in. - Flat
47	8035144	12	NUT .. Lock - 1/4-20 hex.
48	8081626	1	CLAMP .. (2) Cable mounting - 3 x 1 x 11 ga.
49	8176127	1	INSULATION .. Fiber - 4 x 1-1/2 x 1/16 in.
50	180016	2	BOLT .. 1/4-20 x 1/2 hex. head
51	120380	2	WASHER .. Lock - 1/4
52	180020	2	BOLT .. 1/4-20 x 3/4 hex. head
53	8035144	2	NUT .. Lock - 1/4-20 hex.
			Formerly applied with pad mounted clamp Currently applied with angle mounted clamp
54	8406094	1	CLEAT ASY. .. Cable - 4-7/8 x 2-1/8 x 1 in. - Hardwood - 3 Cables
55	8406095	1	CLEAT ASY. .. Cable - 4-7/8 x 2-1/8 x 1 in. - Hardwood - 2 Cables
56	8357745	2	PLATE .. Cleat mounting - 5 x 1 x 11 ga. (2) 3/8 dia. holes
57	180112	4	BOLT .. Cleat mounting - 5/16-18 x 2-3/4 hex. head
58	120214	4	WASHER .. Lock - 5/16

DYNAMIC BRAKE HATCH EQUIPMENT

370 Amperes

G22CU, GL22C and G26CU Locomotives

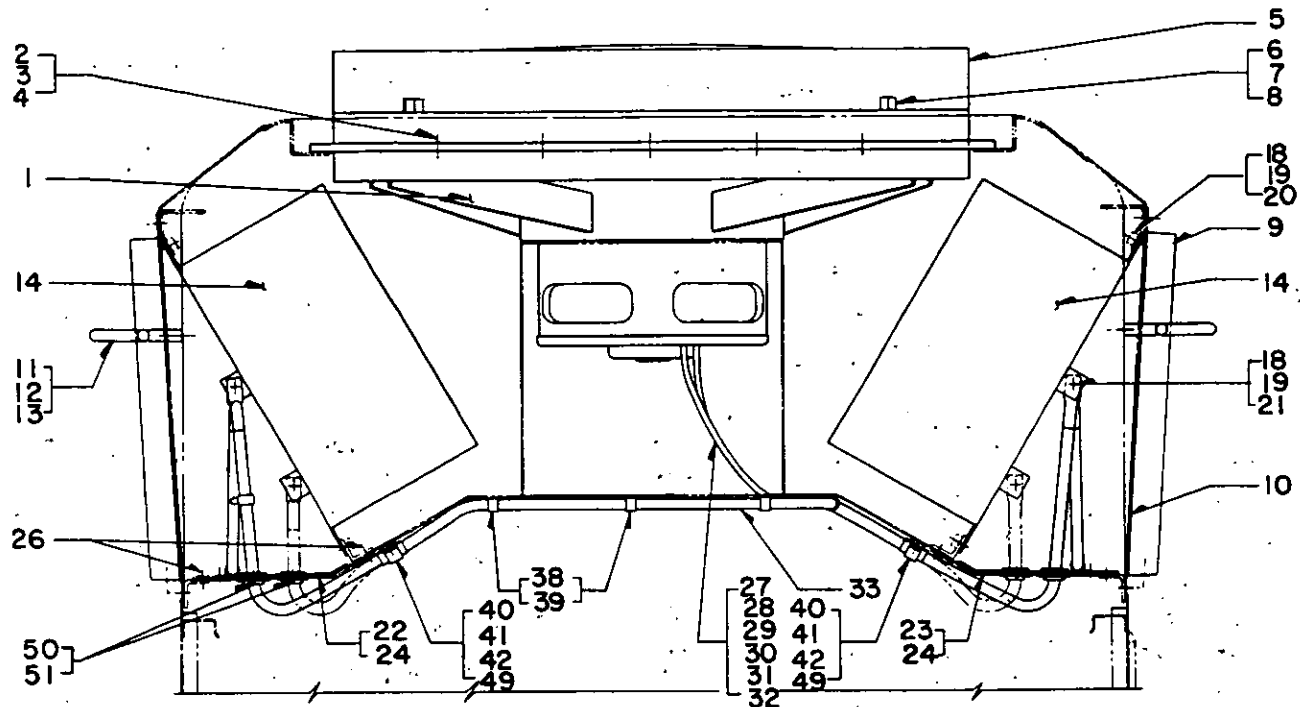


PLATE A3110-E-3

Ref. No.	Part Number	No. Req.	Description	
		A -	G22CU, GL22C and G26CU Locomotives with high profile fan	
		- B	G26CU Locomotives with low profile fan	
1	8324128	1 -	FAN AND MOTOR ASY... Grid blower - 48 in. - High profile	See P.L. 4127
* 1	8388765	- 1	FAN AND MOTOR ASY... Grid blower - 48 in. - Low profile	
2	179889	8 8	BOLT .. 1/2-13 x 2 hex. head	
3	120396	8 8	WASHER .. Plain - 1/2	
4	9416536	8 8	NUT .. Lock - 1/2-13 hex.	Fan mounting
5	8388333	1 -	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 5-5/16 in. high	
* 5	8388767	- 1	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 2-3/16 in. high	
6	8121507	6 -	CLIP .. Guard mounting	
* 6	8393564	- 6	CLIP .. Guard mounting	
7	180120	6 6	BOLT .. Guard mounting - 3/8-16 x 3/4 hex. head	
8	120382	6 6	WASHER .. Lock - 3/8	
9	8383647	2 2	GRILL ASSEMBLY .. Air intake - 40-3/8 x 30-7/16 in.	
10	9419647	28 28	SCREW .. Tapping - 5/16-18 x 1/2 hex. washer head	
11	8383754	2 2	HANDRAIL ASSEMBLY .. Includes studs	
12	106265	4 4	WASHER .. Plain - 1/2	
13	9416517	4 4	NUT .. Lock - 1/2-13 hex.	
14	8373858	5 5	RESISTOR .. Dyn. brake grid - 1.52 Ohms	
* 15	8373857	1 1	RESISTOR .. Dyn. brake grid - 1.68 Ohms - Incl. motor tap @ .560 Ohms	
* 16	8374901	4 4	SHIELD .. Resistor - 28-1/2 x 1-1/8 x 16 ga.	
* 17	8374902	8 8	SHIELD .. Resistor - 3-1/2 x 2-1/2 x 16 ga.	
20784	27412	8384794	30312	8499168

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
A-B			
<i>The following components are applicable to Columns A and B.</i>			
18	180175	49	BOLT .. Mounting - 1/2-13 x 1-1/4 hex. head
19	120396	62	WASHER .. Plain - 1/2
20	120384	36	WASHER .. Lock - 1/2
21	9416536	13	NUT .. Lock - 1/2-13 hex.
22	8384828	1	SHIELD .. Cover - 36-1/8 x 13-15/16 x 12 Ga.
23	8384829	1	SHIELD .. Cover - 36-1/8 x 13-15/16 x 12 Ga.
24	8189406	A.R.	WEATHERSTRIP .. Rubber molding - 25 ft. roll
*25	8331339	A.R.	CEMENT .. Weatherstrip mounting - Solder per 1 gallon container
26	9419648	36	SCREW .. Tapping - 5/16-18 x 3/4 hex. washer head
27	8407138	A.R.	CABLE .. BM11,BM21 - 133/.0140 SR-GD - 100 ft. roll (8ft. required)
28	8130630	2	LUG .. Terminal - Non-Insulated crimp type - 5/16 Dia. stud hole
29	8155747	2	LUG .. Terminal - Non-Insulated crimp type - 1/2 Dia. stud hole
30	180077	2	BOLT .. Lug mounting - 5/16-18 x 3/4 hex. head
31	120393	4	WASHER .. Plain - 5/16
32	9416530	2	NUT .. Lock - 5/16-18 hex.
33	8421209	A.R.	CABLE .. BB16,BB25,BB43,BJ16,BJ34,BR52,BR61 - 550/24 EPR - Sold per 100 ft. roll (180 ft. required) - Replaces 8187785
*34	8384796	3	LUG .. Terminal - 30° Angle - (1) 17/32 stud hole
*35	8281023	5	LUG .. Terminal - 45° Angle above horizontal - (2) 13/32 stud holes
*36	8282815	1	LUG .. Terminal - 45° Angle below horizontal - (2) 13/32 stud holes
*37	8127956	6	LUG .. Terminal - Straight - (1) 17/32 stud hole
38	8168452	15	CLAMP .. Insulated - 7/8 I.D.
39	9420156	15	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
40	6917543	3	CLAMP .. Cable mounting - 4-1/4 x 1 x 3/16 in. - (2) cables
41	6917545	3	INSULATION .. Fiber - 4-1/4 x 2 x 1/16 - Flat type
42	6917542	3	INSULATION .. Fiber - 4-1/4 x 2 x 1/16 - "U" type
*43	8195851	2	CLAMP .. Cable mounting - 5-1/4 x 1 x 3/16 in. - (2) cables
*44	8195852	2	INSULATION .. Fiber - 5-1/4 x 1-1/4 x 1/16 - Flat type
*45	8195853	2	INSULATION .. Fiber - 5-1/4 x 1-1/4 x 1/16 - "U" type
*46	8356799	1	CLAMP .. Cable mounting - 5-1/4 x 1 x 3/16 in. - (6) cables
*47	8195852	1	INSULATION .. Fiber - 5-1/4 x 1-1/4 x 1/16 - Flat type
*48	8356798	1	INSULATION .. Fiber - 5-1/4 x 1-1/4 x 1/16 - "U" type
49	9416532	12	NUT .. Lock - 3/8-16 hex.
50	8038646	9	BUSHING .. Cable insulating - 1-1/4 in. - Male
51	8038587	9	NUT .. Lock - 1-1/4 Conduit

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

600 Amperes

G22W Locomotives

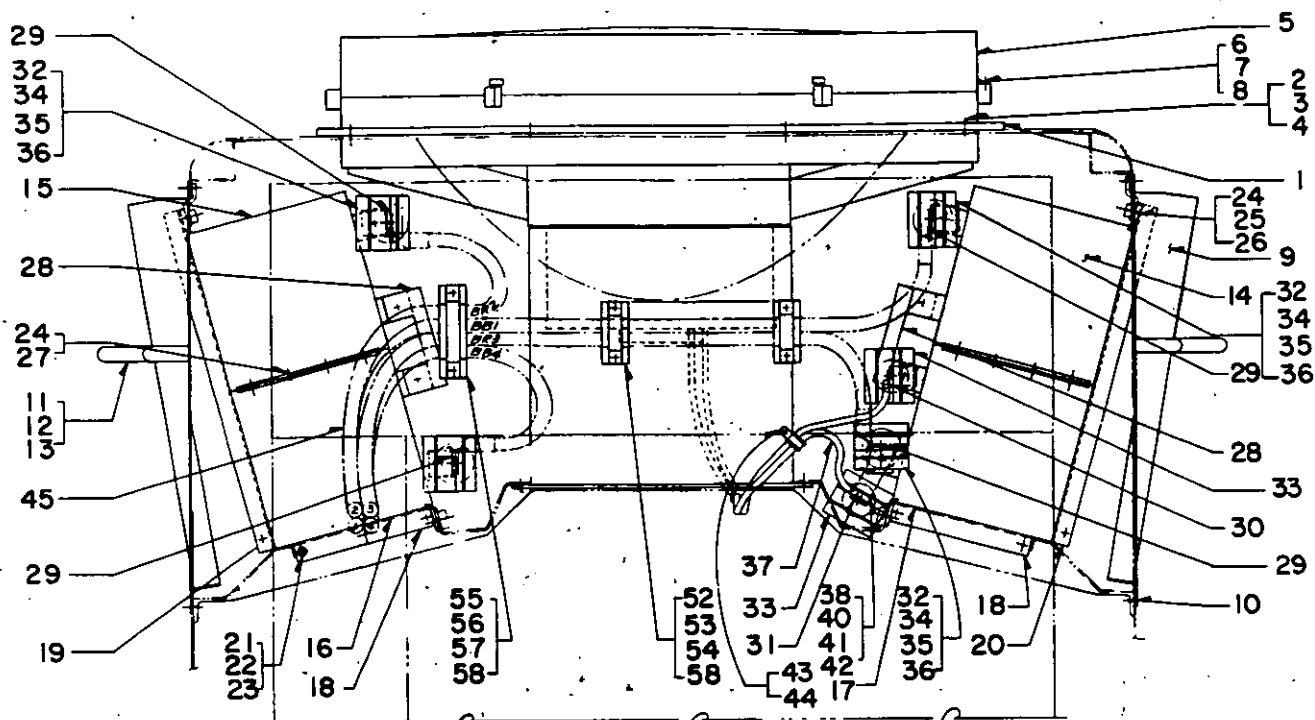


PLATE A3110-E-4

Ref. No.	Part Number	No. Req.	Description
		A	G22W Locomotives with high profile fan
		B	G22W Locomotives with low profile fan
1	8324128	1	FAN AND MOTOR ASY. .. Grid blower - High profile
* 1	9507769	1	FAN AND MOTOR ASY. .. Grid blower - Low profile - Frmly. 8388765
2	179889	8 8	BOLT .. 1/2-13 x 2 hex. head
3	120396	8 8	WASHER .. Plain - 1/2
4	9416536	8 8	NUT .. Lock - 1/2-13 hex.
			Fan mounting
5	8388333	1	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 5-5/16 in. high
* 5	8388767	1	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 2-3/16 in. high
6	8121507	6	CLIP .. Guard mounting - "L" type
* 6	8393564	6	CLIP .. Guard mounting - "S" type
7	180120	6 6	BOLT .. Guard mounting - 3/8-16 x 3/4 hex. head
8	120382	6 6	WASHER .. Lock - 3/8
9	8392393	2 2	GRILL ASSEMBLY .. Air intake - 41-3/4 x 33-7/8 in.
10	9419647	28 28	SCREW .. Tapping - 5/16-18 x 1/2 hex. washer head
11	8392462	2 2	HANDRAIL ASSEMBLY .. Includes studs
12	120396	4 4	WASHER .. Plain - 1/2
13	9416536	4 4	NUT .. Lock - 1/2-13 hex.
14	8212286	1 1	RESISTOR .. Dynamic brake grid - .66 Ohms - Grid "1"
15	8212285	1 1	RESISTOR .. Dynamic brake grid - .66 Ohms - Grid "2"
16	8212284	1 1	RESISTOR .. Dynamic brake grid - .66 Ohms - Grid "4"
17	8212287	1 1	RESISTOR .. Dynamic brake grid - .66 Ohms - Incl. motor tap - Grid "3"
18	8398619	4 4	ANGLE .. Resistor mounting - 11-1/8 x 2-3/4 x 1-1/2 x 14 ga.
19	8395245	2 2	ANGLE .. Resistor mounting - 27-1/4 x 5 x 1/2 x 16 ga.
20	8395246	2 2	ANGLE .. Resistor mounting - 27-1/4 x 5 x 1/2 x 16 ga.

See P.L.
4127

19040 19300 8395160

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A3110-E

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
A-B			
<i>The following components are applicable to Columns A and B.</i>			
21	180022	12	BOLT .. 1/4-20 x 1 hex. head
22	120386	12	WASHER .. Plain - 1/4
23	8035144	12	NUT .. Lock - 1/4-20 hex.
24	179883	40	BOLT .. 1/2-13 x 1-1/4 hex. head
25	120396	24	WASHER .. Plain - 1/2
26	120384	24	WASHER .. Lock - 1/2
27	9416536	16	NUT .. Lock - 1/2-13 hex.

Angle mounting

Resistor mounting

28	6918037	2	BAR .. Bus - Non-Insulated copper - 7-7/8 x 3 x 1/4 in.
29	8395247	4	BAR ASY. .. Bus - Insulated copper - 7-7/8 x 2 x 2 x 1/4 in.
30	8395248	1	BAR ASY. .. Bus - Insulated copper - 6-5/8 x 2 x 1-1/4 x 1/4 in.
31	8395249	1	BAR ASY. .. Bus - Insulated copper - 24-1/2 x 4-3/4 x 1-1/4 x 1/4 in.
32	8195883	4	CLEAT .. Half - Bus bar mounting - 4-1/4 x 1-1/8 x 1 in. - Hardwood
33	8395250	2	CLEAT .. Half - Bus bar mounting - 4-1/4 x 1-1/8 x 1 in. - Hardwood
34	6918040	6	BLOCK .. Cleat mounting - 4-1/4 x 1 x 1/2 in. - Hardwood
35	179807	12	BOLT .. Cleat mounting - 1/4-20 x 2-1/2 hex. head
36	9416528	12	NUT .. Lock - 1/2-20 hex.
37	8407138	A.R.	CABLE .. BM1,BM21 - 133/.0140 SR-GD - 100 ft. roll (5 ft. required)
38	8130630	4	LUG .. Terminal - Non-Insulated crimp type - 5/16 dia. stud hole
*39	180077	2	BOLT .. Lug mounting - 5/16-18 x 3/4 hex. head
40	180078	2	BOLT .. Lug mounting - 5/16-18 x 7/8 hex. head
41	120393	8	WASHER .. Plain - 5/16
42	9416530	4	NUT .. Lock - 5/16-18 hex.
43	8168452	2	CLAMP .. Insulated - 7/8 I.D.
44	9420156	2	SCREW .. Clamp mtg. - 1/4-20 x 1/2 hex. washer head - Tapping
45	8433442	A.R.	CABLE .. BR1,BR2,BR3,BR4 - 775/24 EPR - 100 ft. roll (39 ft. required)
*46	8208436	4	LUG .. Terminal - Straight - (1) 17/32 Dia. stud hole
*47	8270527	4	LUG .. Terminal - 45° Angle - (2) 17/32 Dia. stud holes
*48	179885	12	BOLT .. 1/2-13 x 1-1/2 hex. head
*49	179887	1	BOLT .. 1/2-13 x 1-3/4 hex. head
*50	120384	26	WASHER .. Lock - 1/2
*51	9416536	13	NUT .. Lock - 1/2-13 hex.
52	8262023	2	CLAMP .. Cable mounting - 4-11/16 x 1 in. - (2) Cables
53	8262025	2	INSULATION .. Fiber - 4-11/16 x 2 x 1/16 in. - Flat type
54	8262026	2	INSULATION .. Fiber - 4-11/16 x 2 x 1/16 in. - "U" type
55	8204823	1	CLAMP .. Cable mounting - 7-1/4 x 1 in. - (4) Cables
56	8171173	1	INSULATION .. Fiber - 7-1/4 x 2 x 1/16 in. - Flat type
57	8262020	1	INSULATION .. Fiber - 7-1/4 x 2 x 1/16 in. - "U" type
58	9416532	6	NUT .. Lock - 3/8-16 hex.

Grid terminals to bus
bars and lug mounting

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT
 370 and 600 Amperes
 GT22CU,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

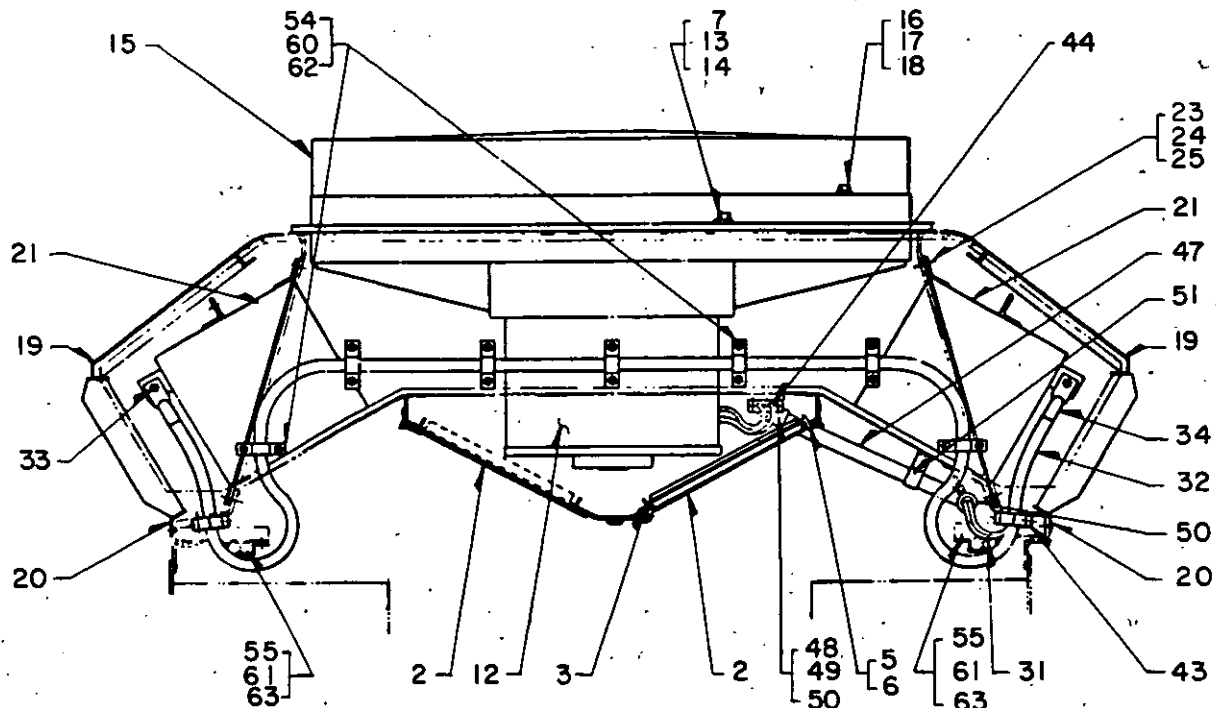


PLATE A3110-E-5

Ref. No.	Part Number	No. Req.	Description
		A -	GT22CU,GT26CU-2 Locomotives - 370 Amperes
		B -	GT26CW,GT26CW-2 Locomotives - 600 Amps. (Dyn. brake hatch welded to carbody)
		C -	GT26CW-2 Locomotives - 600 Amps. (Dynamic brake hatch bolted to carbody)
1	8457394	1 -	STRUCTURE ASSEMBLY .. Dynamic brake hatch } Welds to carbody
1	8447319	1 -	STRUCTURE ASSEMBLY .. Dynamic brake hatch }
1	9419016	1 -	STRUCTURE ASSEMBLY .. Dynamic brake hatch - Bolted to carbody
2	8447314	2 2 2	DOOR ASSEMBLY .. Motor access - Includes hinge
3	179839	4 4 4	BOLT .. 3/8-16 x 1 hex. head
4	103321	4 4 4	WASHER .. Lock - 3/8
5	8324100	As Req.	WEATHERSTRIP .. Door - Sold per foot - Approx. 6 in. required per door
6	8213281	As Req.	COMPOUND .. Neoprene - 1 lb. can
7	179889	8 8 8	BOLT .. Fan mtg. - 1/2-13 x 2 hex. head - Welds to top plate
* 8	179883	- - 25	BOLT .. 1/2-13 x 1-1/4 hex. head
* 9	179885	- - 20	BOLT .. 1/2-13 x 1-1/2 hex. head
*10	103343	- - 20	WASHER .. Plain - 1/2
*11	103323	- - 45	WASHER .. Lock - 1/2
*12	9507769	1 -	FAN AND MOTOR ASY. ... Grid - Low profile - Frmlly. 8388765
12	9507770	- 1 1	FAN AND MOTOR ASY. ... Grid - High profile - Frmlly. 8324324
13	120396	8 8 8	WASHER .. Plain - 1/2
14	9416536	8 8 8	NUT .. Lock - 1/2-13 hex.
*15	8388767	1 -	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 2-3/16 in. high
15	8388333	- 1 1	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 5-5/16 in. high
16	8393564	6 -	CLIP .. Guard mounting - "S" type
16	8121507	- 6 6	CLIP .. Guard mounting - "L" type
17	180120	6 6 6	BOLT .. Guard mounting - 3/8-16 x 3/4 hex. head
18	120382	6 6 6	WASHER .. Lock - 3/8
26282	8471152	8487888	8471670
38889	9519307	9518662	23674
			8447399
			8447470
			27316
			8475247

AUGUST, 1980

A3110-E

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Req.	Description
		A B C	
19	8471130	2 - -	GRILL ASSEMBLY .. Air intake - GT22CU only
19	8456479	2 2 2	GRILL ASSEMBLY .. Air intake - Formerly 8447318 for GT26CW
20	9419650	56 56 56	SCREW .. Tapping - 3/8-16 x 3/4 hex. washer head
21	8453227	5 - -	RESISTOR .. Dynamic brake grid - 1.52 Ohms
21	8445754	- 5 -	RESISTOR .. Dynamic brake grid - .66 Ohms
21	6962778	- - 5	RESISTOR .. Dynamic brake grid - .66 Ohms - Incl. center tap @ .33 Ohms
*22	8453226	1 - -	RESISTOR .. Dynamic brake grid - 1.68 Ohms - Incl. motor tap @ .560 Ohms
*22	8445755	- 1 1	RESISTOR .. Dynamic brake grid - .757 Ohms - Incl. motor tap @ .602 Ohms
23	180177	36 36 36	BOLT .. 1/2-13 x 1-1/2 hex. head
24	120396	36 36 36	WASHER .. Plain - 1/2
25	120384	36 36 36	WASHER .. Lock - 1/2
*26	8447564	- 2 2	BAR .. Bus - 1/4 x 1-3/4 x 2-3/8 x 3 in. - Copper
*27	8447565	- 2 2	BAR .. Bus - 1/4 x 1-3/4 x 2-5/8 x 3 in. - Copper
*28	180179	- 2 2	BOLT .. Bus bar to bus bar - 1/2-13 x 1-3/4 hex. head
*29	120396	- 2 2	WASHER .. Plain - 1/2
*30	9416536	- 2 2	NUT .. Lock - 1/2-13 hex.
31	8407138	As Req.	CABLE .. No. 6 AWG - SRG-D insulation - 100 ft. roll Approx. 14 ft. required for GR22CU and GT26CU-2 Approx. 17 ft. required for GT26CW-2 Approx. 20 ft. required for GT26CW
32	8433441	AR - -	CABLE .. J12,J34,J56 - No. 4/0 AWG. - EPR insul. - 100 ft. roll - 16 ft. required
32	8433442	- 1 A.R.	CABLE .. 775/24 - EPR insul. - 100 ft. roll Column B: J36 - Approx. 10 ft. required Column C: J36,BKA,BKA1 - Approx. 28 ft. required
33	8130630	2 2 2	LUG .. Terminal - Non-insul. crimp - 6 AWG. - 5/16 dia. stud hole
34	8155747	2 2 2	LUG .. Terminal - Non-insul. crimp - 6 AWG. - 1/2 dia. stud hole
*35	8184167	1 - -	LUG .. Terminal - Non-insul. - 4/0 AWG. - 90° Angle - 17/32 dia. stud hole
*36	8457414	4 - -	LUG .. Terminal - Non-insul. - 4/0 AWG. - 90° Angle - 9/16 dia. stud hole
*37	8457415	1 - -	LUG .. Terminal - Non-insul. - 4/0 AWG. - 30° Angle - 9/16 dia. stud hole
*38	8208136	- 2 6	LUG .. Terminal - Non-insul. crimp - 775/24 - 17/32 dia. stud hole
*39	8360926	2 - 3	CLAMP .. Insulated - 3/8 dia. - Steel
*40	8168452	4 - -	CLAMP .. Insulated - 7/8 dia. - Aluminum
*41	8168451	- 3 6	CLAMP .. Insulated - 3/4 dia. - Aluminum
*42	8360925	- 3 1	CLAMP .. Insulated - 1/4 dia. - Steel
43	8455879	12 - -	CLEAT .. Cable - 6-1/4 x 1-1/2 x 1-1/4 - 2 holes
43	8447561	- 4 6	CLEAT .. Cable - 3 x 3 x 1 - (1) 1-1/32 dia. hole
44	8428603	4 4 -	CLEAT .. Half - Cable - 2-3/4 x 3/4 x 1/2 - Plastic - Formerly applied with 8388765 and 8324324 fan and motor assemblies
*45	8447562	- 1 1	CLEAT .. Cable - 6-1/4 x 3 x 1 - 5 holes
*46	8447563	- 1 2	CLEAT .. Cable - 6-1/4 x 3 x 1 - 3 holes
47	8447560	1 1 1	CONDUIT .. BM1,BM2 (Formerly BM11,BM21) cable - Aluminum
48	8260162	1 1 1	ELBOW .. Pulling - 1 F.P.T.
49	8326173	1 - -	COVER ASY. .. Pulling elbow - 5-5/16 x 1-3/4 in.
49	8271859	- 1 1	COVER ASY. .. Pulling elbow - 2-7/8 x 2-7/16 in.
50	8038596	2 2 2	BUSHING .. Insulating - 1 F.P.T.
51	8108217	2 2 2	CLAMP ASSEMBLY .. Conduit support
*52	8457417	4 - -	BRACKET .. J12 and J34 cable support
*53	8457410	38 - -	SPACER .. Cable support - 1 x 1 x 7/8 in. - Rubber
54	8447620	- 7 -	CLAMP .. Cable - 15/16 x 1-3/16 I.D. x 3-5/8 in. long - (1) Cable
54	9519183	- - 7	CLAMP .. Cable - 2 x 1-3/16 I.D. x 3-5/8 in. long - (2) Cables
55	8447621	- 8 8	CLAMP .. Cable - 15/16 x 2-1/4 I.D. x 4-3/4 in. long
*56	8447620	- - 2	CLAMP .. Cable - 15/16 x 1-3/16 I.D. x 3-5/8 in. long
*57	8457413	26 - -	INSULATION .. Fiber - 1/16 x 2 x 2-7/8 in. - Flat
*58	8457411	8 - -	INSULATION .. Fiber - 1/16 x 2 x 3-3/4 in. - Flat
*59	8457412	4 - -	INSULATION .. Fiber - 1/16 x 2 x 4-5/8 in. - Flat
60	8447617	- 7 9	INSULATION .. Fiber - 1/16 x 1-3/4 x 3-5/8 in. - Flat
61	8447616	- 8 8	INSULATION .. Fiber - 1/16 x 1-3/4 x 4-3/4 in. - Flat
62	8447618	- 7 -	INSULATION .. Fiber - 1/16 x 1-3/4 x 3-5/8 in. - "U" shaped
62	9519184	- - 7	INSULATION .. Fiber - 1/16 x 1-3/4 x 3-5/8 in. - "U" shaped
63	8447619	- 8 8	INSULATION .. Fiber - 1/16 x 1-3/4 x 4-3/4 in. - "U" shaped
*64	8447618	- - 2	INSULATION .. Fiber - 1/16 x 1-3/4 x 3-5/8 in. - "U" shaped

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

600 Amperes

G22CW and G26CW Locomotives

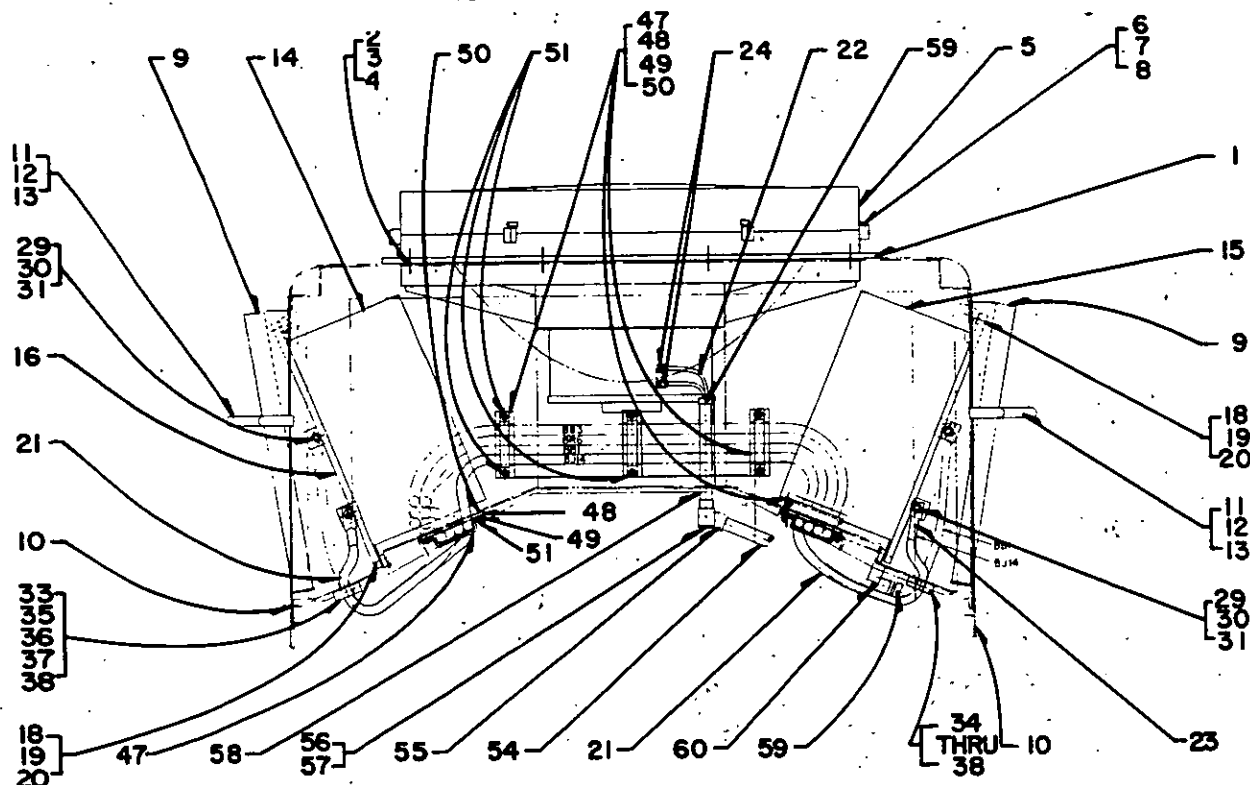


PLATE A3110-E-6

Ref. No.	Part Number	No. Req.	Description
1	9333358	1	FAN AND MOTOR ASY. .. Grid blower - 48 in. - Formerly 8324128 - See P.L. 4127
2	179889	8	BOLT .. 1/2-13 x 2 hex. head
3	120396	8	WASHER .. Plain - 1/2
4	9416536	8	NUT .. Lock - 1/2-13 hex.
			} Fan mounting
5	8388333	1	GUARD ASSEMBLY .. Fan - 48-1/2 in. dia. x 5-5/16 in. high
6	8121507	6	CLIP .. Guard mounting - "L" type
7	180120	6	BOLT .. Guard mounting - 3/8-16 x 3/4 hex. head
8	120382	6	WASHER .. Lock - 3/8
9	8392393	2	GRILL ASSEMBLY .. Air intake - 41-3/4 x 33-7/8 in.
10	9419647	28	SCREW .. Tapping - 5/16-18 x 1/2 hex. washer head
11	8392462	2	HANDRAIL ASSEMBLY .. Includes studs
12	120396	4	WASHER .. Plain - 1/2
13	9416536	4	NUT .. Lock - 1/2-13 hex.
14	8390789	5	RESISTOR .. Dynamic brake grid - .66 Ohms
15	8390788	1	RESISTOR .. Dynamic brake grid - .73 Ohms - Incl. motor tap @ .32 Ohms
16	8374901	4	SHIELD .. Resistor - 28-1/2 x 1-1/8 x 16 ga.
*17	8374902	8	SHIELD .. Resistor - 3-1/2 x 2-1/2 x 16 ga.
18	180175	36	BOLT .. 1/2-13 x 1-1/4 hex. head
19	120396	36	WASHER .. Plain - 1/2
20	120384	36	WASHER .. Lock - 1/2
			} Resistor and shield mounting
21	8433442	AR	CABLE .. BJ14,BJ25,BJ36 - 775/24 - EPR insul. - 100 ft. roll - 14 ft. required
22	8407138	AR	CABLE .. BM11,BM21 - 133/.0140 - SR-GD insul. - 100 ft. roll - 11 ft. required
23	8208136	6	LUG .. Terminal - Straight - 775/24 Cable - (1) 17/32 dia. stud hole
24	8130630	2	LUG .. Terminal - Non-Insulated crimp type - 5/16 dia. stud hole
*25	8155747	2	LUG .. Terminal - Non-Insulated crimp type - 1/2 dia. stud hole
24434	33203		8450943B

P.L. No. A3110-E

DYNAMIC BRAKE HATCH EQUIPMENT

Ref. No.	Part Number	No. Ref.	Description	
*26	180077	2	BOLT .. 5/16-18 x 3/4 hex. head	} Formerly applied with Fan Asy. 8324128 to connect cables BM1 and BM2 (Components of Fan 8324128) to BM11 and BM12
*27	120393	4	WASHER .. Plain - 5/16	
*28	8035145	2	NUT .. Lock - 5/16-18 hex.	
29	180175	13	BOLT .. 1/2-13 x 1-1/4 hex. head	} Cable to grid resistor terminals
30	120396	26	WASHER .. Plain - 1/2	
31	9516536	13	NUT .. Lock - 1/2-13 hex.	
*32	8447561	4	CLEAT .. Cable - 3 x 3 x 1 in. - (1) 1-1/32 dia. hole	} Cleat mounting
33	8450940	1	CLEAT .. Cable - 3 x 4-3/4 x 1 in. - (2) 1-1/16 dia. holes	
34	8450941	1	CLEAT .. Cable - 3 x 5-3/4 x 1 in. - (2) 1-1/16 dia. and (2) 13/32 dia. holes	
35	9424785	16	SCREW .. Tapping - 1/4-20 x 1-1/2 hex. washer head	
36	191163	12	BOLT .. 3/8-16 x 4 hex. head	
37	120394	24	WASHER .. Plain - 3/8	
38	8035146	12	NUT .. Lock - 3/8-16 hex.	
*39	8247191	2	CLAMP .. Cable mounting - 4-5/8 x 1 in. - (1) Cable	
*40	8247361	2	INSULATION .. Fiber - 4-5/8 x 1-1/2 x 1/16 in. - Flat type	
*41	8247192	2	INSULATION .. Fiber - 4-5/8 x 1-1/2 x 1/16 in. - "U" type	
*42	8220767	2	PLATE ASSEMBLY .. Stud - 4-1/2 x 1 in.	
*43	8262028	2	CLAMP .. Cable mounting - 5-13/16 x 1 x 3/16 in.	
*44	8262031	2	INSULATION .. Fiber - 5-13/16 x 2 x 1/16 in. - Flat type	
*45	8262030	2	INSULATION .. Fiber - 5-13/16 x 2 x 1/16 in. - "U" type	
*46	8262079	2	PLATE ASSEMBLY .. Stud - 5-13/16 x 1 in.	
47	8204823	6	CLAMP .. Cable mounting - 7-1/4 x 1 in. - (4) Cables	
48	8171153	6	INSULATION .. Fiber - 7-1/4 x 2 x 1/16 in. - Flat type	
49	8262020	6	INSULATION .. Fiber - 7-1/4 x 2 x 1/16 in. - "U" type	
50	8262019	6	PLATE ASSEMBLY .. Stud - 7-1/4 x 1 in.	
51	8035146	24	NUT .. Lock - 3/8-16 hex.	
*52	8168452	3	CLAMP .. Insulated - 7/8 dia. - Aluminum - Frnly. appl. with Fan 8324128	
*52	8168454	2	CLAMP .. Insulated - 1-1/8 dia. - Aluminum	
*53	9420156	2	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head - Formerly (5) required	
54	8386777	1	CONDUIT .. BM1, BM2 cable - 20-3/4 x 1 M.P.T. both ends - Aluminum	
55	8038413	1	ELBOW .. Conduit - 1 in. - 90° - Aluminum	
56	8326155	1	FITTING .. Conduit - 1 T.C.T. - Type LB	
57	8326173	1	COVER ASY. .. Conduit fitting - 5-5/16 x 1-3/4 in.	
58	8143090	1	NIPPLE .. Conduit - 11-1/2 x 1 M.P.T. both ends - Aluminum	
59	8038596	2	BUSHING .. Insulating - 1 F.P.T.	
60	8108217	1	CLAMP ASSEMBLY .. Conduit support	

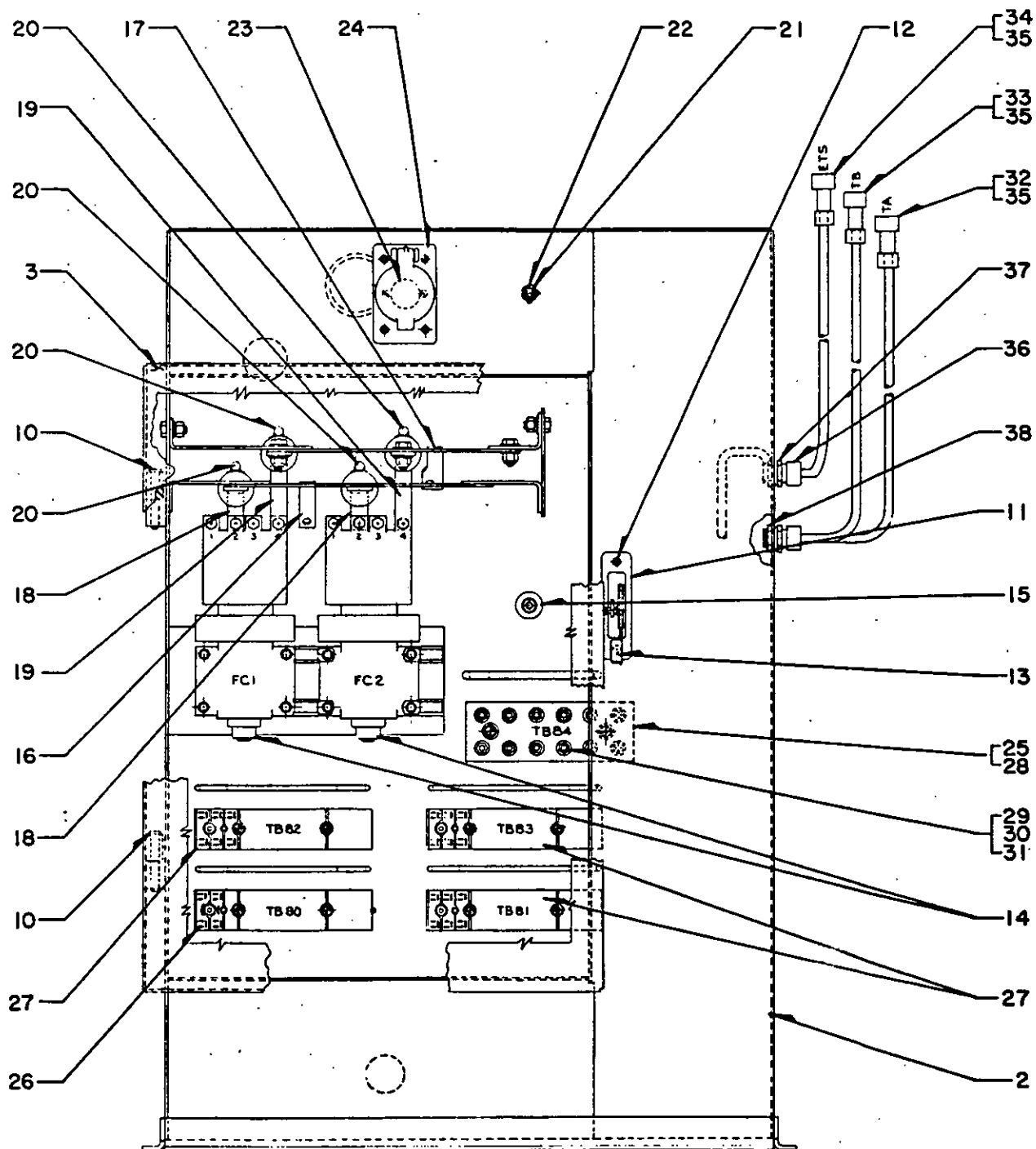
ACCESSORY CONTROL CABINET

Cooling Fans Control Cabinet
 JT22CW Locomotive
 PLATE D3239-E-1

Ref. No.	Part Number	No. Req.	Description
1	9312973	1	CABINET ASSEMBLY .. Cooling fans control
2	9311932	1	CABINET ASSEMBLY .. Equipment mounting
3	9312118	1	DOOR ASSEMBLY .. Cabinet - 21 x 29 in.
* 4	9312116	2	SEAL .. Door - Rubber - 1 ft. - 8-5/8 in. long
* 5	8462251	1	SEAL .. Door - Rubber - 2 ft. - 2-1/4 in. long
* 6	8462252	1	SEAL .. Door - Rubber - 2 ft. - 2-1/4 in. long
* 7	8424718	1	PIN .. Door latch - Welds to door
* 8	8461173	2	BLOCK .. Hinge
* 9	180016	4	BOLT .. Block mounting - 1/4-20 x 1/2 hex. head
10	8461174	2	PIN .. Door hinge
11	8425276	1	LATCH .. Door
12	9420449	1	SCREW .. Latch mounting - Top - 10-24 x 1/2 pan head
13	6101065	1	SCREW .. Latch mounting - Bottom - 10-24 x 1/2 fil. head
14	8314549	2	CONTACTOR .. FC1, FC2 - See Parts List 5402
15	8378037	1	INSULATOR ASSEMBLY .. Stand off
16	8462812	1	BAR ASSEMBLY .. Bus
17	9313176	1	BAR ASSEMBLY .. Bus
18	8450815	2	BAR .. Bus
19	8450816	2	BAR .. Bus
20	8439559	4	FUSE .. Non renewable - Time delay - Indicating cartridge
21	8189035	1	SWITCH .. Toggle - D.P. - D.T. - 10 Amps.
22	8377850	1	DISC .. Switch locating
23	8260287	1	RECEPTACLE .. 2 pole female
24	8280439	1	COVER .. Receptacle
25	8369125	1	BOARD ASSEMBLY .. 12 terminals
26	8277744	1	BOARD ASSEMBLY .. 20 terminals
27	8292938	3	BOARD ASSEMBLY .. 24 terminals
28	8259783	1	INSULATION .. Terminal board
29	120375	12	NUT .. Board - 1/4-20 hex.
30	8035144	12	NUT .. Lock - Board - 1/4-20 hex.
31	120392	26	WASHER .. Plain - 1/4
32	9313172	1	CABLE ASSEMBLY .. Fan clutch control - 44 in. long
33	9313173	1	CABLE ASSEMBLY .. Shutter control - 40 in. long
34	9313174	1	CABLE ASSEMBLY .. Hot engine control - 25 in. long
35	8425056	-	PLUG .. 3 pole female - 1 required per cable
36	8086270	4	BUSHING .. Strain relief - 1/2
37	9089588	4	RING .. "O" - Bushing
38	8038584	4	NUT .. 1/2 F.P.T.
*39	8475586	A.R.	CABLE .. No. 18 AWG. - LF insul. - 500 ft. roll - Approx. 5 ft. required
*40	8475587	A.R.	CABLE .. No. 16 AWG. - LF insul. - 500 ft. roll - Approx. 11 ft. required
*41	8468612	A.R.	CABLE .. No. 12 AWG. - LF insul. - 500 ft. roll - Approx. 8 ft. required
*42	8252768	2	LUG .. Yellow insul. crimp type term. - No. 6 stud hole dia. - 16 to 22 AWG. wire
*43	8291466	1	LUG .. Red insul. crimp type term. - No. 6 stud hole dia. - 16 to 22 AWG. wire - Replaces 8389530
*44	8123282	1	LUG .. Yellow insul. crimp type term. - 1/4 stud hole dia. - 12 to 18 AWG. wire

P.L. No. D3239-E

ACCESSORY CONTROL CABINET



Ref. No. 1
PLATE D3239-E-1

Parts List No. D3239-E

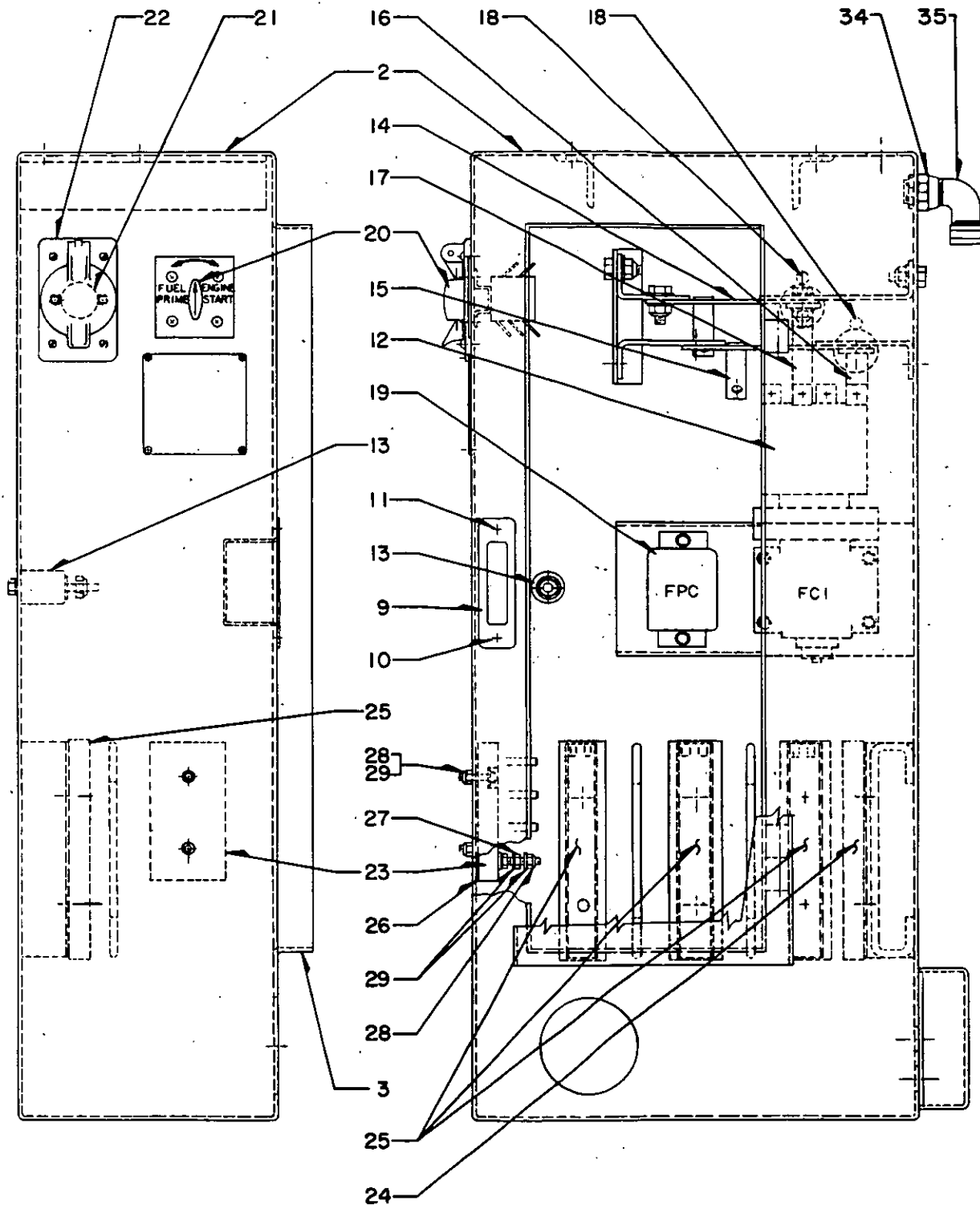
ACCESSORY CONTROL CABINET

Cooling Fan Control Cabinet
GL18M Locomotive
PLATE D3239-E-2

Ref. No.	Part Number	No. Req.	Description
1	9329636	1	CABINET ASSEMBLY .. Accessory control
2	9329635	1	CABINET ASSEMBLY .. Equipment mounting
3	9328877	1	DOOR ASSEMBLY .. Cabinet - 10-1/2 x 28 in.
* 4	8421197	A.R.	SEAL .. Door - Rubber - Sold per foot - Approx. 6 ft. required
* 5	8424718	1	PIN .. Door latch - Welds to door
* 6	8467339	2	PIN .. Door hinge
* 7	8461173	2	BLOCK .. Hinge
* 8	180016	4	BOLT .. Block mounting - 1/4-20 x 1/2 hex. head
9	8425277	1	LATCH .. Door
10	6101065	1	SCREW .. Latch mounting - Bottom - 10-24 x 1/2 fil. head
11	9420449	1	SCREW .. Latch mounting - Top - 10-24 x 1/2 pan head
12	8314549	1	CONTACTOR .. FC1 - See Parts List 5402
13	8378037	1	INSULATOR ASSEMBLY .. Stand off
14	9328907	1	BAR ASSEMBLY .. Bus
15	9328908	1	BAR ASSEMBLY .. Bus
16	8450815	1	BAR .. Bus
17	8450816	1	BAR .. Bus
18	8439559	2	FUSE .. Non renewable - Time delay - Indicating cartridge
19	8363168	1	RELAY .. Fuel pump control - See Parts List 5440
20	8346425	1	SWITCH .. Rotary - Fuel prime and engine start
21	8260287	1	RECEPTACLE .. 2 pole female
22	8280439	1	COVER .. Receptacle
23	8354091	1	BOARD ASSEMBLY .. 8 terminals
24	8277744	1	BOARD ASSEMBLY .. 20 terminals
25	8292938	3	BOARD ASSEMBLY .. 24 terminals
26	8263306	1	INSULATION .. Terminal board
27	120375	8	NUT .. Board - 1/4-20 hex.
28	8035144	10	NUT .. Lock - Board - 1/4-20 hex.
29	120392	18	WASHER .. Plain - 1/4
*30	8475587	A.R.	CABLE .. No. 16 AWG. - LF insul. - 500 ft. roll - Approx. 25 ft. required
*31	8472022	A.R.	CABLE .. No. 14 AWG. - LF thin insul. - 500 ft. roll - Approx. 50 ft. required
*32	8250906	27	TERMINAL .. Faston tab - Blue
*33	8380934	14	TERMINAL .. Faston tab - Red
34	8419416	1	CONNECTOR .. 1/2 WT
35	8327965	1	ELBOW .. 90°

P.L. No. D3239-E

ACCESSORY CONTROL CABINET



LEFT SIDE

FRONT VIEW

Ref. No. 1
PLATE D3239-E-2

P.L. No. D3239-E

ACCESSORY CONTROL CABINET
Cooling Fan Control Cabinet
GT22HW and JT22CW-2 Locomotives
PLATE D3239-E-3

Ref. No.	Part Number	No. Req.	Description
		A B	
1	9512585	1 -	CABINET ASY. .. Equipped - A.C. - GT22HW Locomotives
1	9501040	- 1	CABINET ASY. .. Equipped - A.C. - JT22CW-2 Locomotives
2	9512584	1 -	FRAME ASY. .. Equipment mounting
2	9501039	- 1	FRAME ASY. .. Equipment mounting
3	9515838	1 -	DOOR ASY. .. A.C. cabinet
3	9501042	- 1	DOOR ASY. .. A.C. cabinet
4	8445953	2 2	HINGE .. Welds to door
5	180016	6 6	BOLT .. Hinge mtg. - 1/4 x 20 x 1/2 hex. head
6	120392	6 6	WASHER .. Plain - 1/4
7	8353768	2 2	NUT .. Thumb
8	8430583	2 2	SHAFT .. Stainless steel - 1/2 - 13 x 1-15/16 in. long
9	455862	2 2	PIN .. Spring - 1/8 x 7/8
10	120394	4 4	WASHER .. Plain - 3/8
*11	8479389	1 1	PLATE .. Name - Yugoslavian markings - "OPASNO - 215 VOLTI"
*12	9520289	1 -	PLATE .. Name - Yugoslavian - "PAZNJA - AKO JE JEDAN"
*12	9504282	- 1	PLATE .. Name - Yugoslavian - "PAZNJA - KADA SE NADJE"
*13	436640	4 4	SCREW .. Machine - 4 - 40 x 3/8 pan head - Slotted
*14	8035114	4 4	NUT .. Lock - 4 - 40 hex.
*15	8273655	A.R.	SEAL .. Rubber - Door mtg. - 1/8 x 1/2 in. - Sold per foot
*16	8255268	A.R.	ADHESIVE .. Seal - 1 qt. can
17	8314549	2 2	CONTACTOR .. FC1 - FC2 - See P.L. 5402
18	9419646	8 8	SCREW .. Tapping - 1/4 - 20 x 5/8 - Type TT - Hex. washer head
19	8462468	1 1	ANGLE .. Insulation - Bus bar mtg. - 4-11/16 long
20	8462469	1 1	ANGLE .. Insulation - Bus bar mtg. - 6-5/8 long
21	9501046	1 1	ANGLE .. Insulation - Bus bar mtg. - 5-7/16 long
22	9501045	1 1	ANGLE .. Insulation - Bus bar mtg. - 3-1/2 long
23	8462812	1 1	BAR ASY. .. Bus - Lower
24	8462813	1 1	BAR ASY. .. Bus - Upper
25	8450815	2 2	BAR .. Bus - "L" shaped - 1-7/8 in. x 1-1/8 in.
26	8450816	2 2	BAR .. Bus - "L" shaped - 3-1/2 in. x 1-1/8 in.
27	8439559	4 4	FUSE .. Non renewable - Time delay - Indicating cartridge
28	180079	8 8	BOLT .. 5/16 - 18 x 1 - Hex head
29	120393	16 16	WASHER .. Plain - 5/16
30	8035145	8 8	NUT .. Lock - Hex. - 5/16
31	180121	4 4	BOLT .. 3/8 - 16 x 7/8 - Hex. head
32	180122	10 10	BOLT .. 3/8 - 16 x 1 - Hex. head
33	180124	2 2	BOLT .. 3/8 - 16 x 1-1/4 - Hex. head
34	120394	32 32	WASHER .. Plain - 3/8
35	120382	8 8	WASHER .. Lock - 3/8
36	120377	4 4	NUT .. Hex. - 3/8
37	8035146	12 12	NUT .. Lock - Hex. - 3/8
*38	9502562	- 1	RESISTOR .. RE8 - Fuel gauge - 900 Ohms - 50 Watts
39	8363168	1 -	RELAY .. FPC - See P.L. 5440
40	9420156	10 -	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. washer hd.
41	8168449	2 -	CLAMP .. Insulated - 1/2 I.D.
42	8457409	AR -	SLEEVING .. Insulation - 20 in.
43	8315855	1 -	ELBOW .. 1/2 - 90°
44	8419416	1 -	CONNECTOR .. 1/2 WT
45	9090455	1 -	RESISTOR ASY.
46	8453251	1 -	COVER
47	8277744	2 2	BOARD .. Terminal - 20 point
48	8332591	1 1	BOARD ASY. .. Terminal - 1 point
49	8332589	1 1	INSULATION .. Terminal board mounting
50	8471148	2 2	INSULATOR .. Standoff
51	132051	4 4	SCREW .. Machine - 10 - 24 x 3/4 fil. hd. - Slotted
52	446161	4 4	WASHER .. Plain - 1/4
53	121801	4 4	WASHER .. Lock - 1/4 internal tooth

P.L. No. 3239-E

ACCESSORY CONTROL CABINET

Ref. No.	Part Number	No. Req.		Description
-	-----	A	B	CABINET ASY. .. Equipped
54	451195	2	2	SCREW .. Machine - 1/4 - 20 x 1 pan head - Slotted
55	120392	4	2	WASHER .. Plain - 1/4
56	120423	2	2	WASHER .. Lock - 1/4 internal tooth
57	120375	2	2	NUT .. 1/4 - 20 hex.
58	9428638	3	3	BOLT .. 3/8 - 16 x 5/8 hex. head
59	180120	1	1	BOLT .. 3/8 - 16 x 3/4 hex. head
60	8260287	1	1	RECEPTACLE .. 2 pole - Female
61	8280439	1	1	COVER .. Receptacle
62	133473	2	2	SCREW .. Machine - 8 - 32 x 1/4 flat head - Slotted
63	131014	4	4	WASHER .. Plain - No. 6
64	8035119	4	4	NUT .. Lock - No. 6 hex.
65	8168453	6	6	CLAMP .. Cable - 1 in.
66	180020	2	2	BOLT .. 1/4 - 20 x 3/4 hex.
67	9416528	2	2	NUT .. Lock - 1/4 - 20
68	8332580	1	1	GROMMET .. Non - metallic strip - 12-3/4 in. long
*69	9519066	1	-	CABLE FORM .. A.C. cabinet
*69	9501160	-	1	CABLE FORM .. A.C. cabinet
*70	8472022	A.R.		CABLE .. No. 14 AWG. - LF insulation - 500 ft. roll - Approx. 3 ft. required
*71	8475587	A.R.		CABLE .. No. 16 AWG. - LF insulation - 500 ft. roll - Approx. 14 ft. required
*72	8475586	A.R.		CABLE .. No. 18 AWG. - LF insulation - 500 ft. roll - Approx. 4 ft. required
*73	8250906	4	4	TERMINAL .. Insulated female faston tab - Blue
*74	8380934	20	20	TERMINAL .. Insulated female faston tab - Red

P.L. No. D3239-E

ACCESSORY CONTROL CABINET

Cooling Fans, Compressor And Shutter Control A.C. Cabinets
 GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives
 PLATE D3239-E4

Ref. No.	Part Number	Number Required			Description
1	8470693	A	-	-	CABINET ASY. .. A.C. cooling fans and compressor control - GT22CU, GT22CW,GT26CW-2
* 1	8475090	-	B	-	CABINET ASY. .. A.C. cooling fans and compressor control - GT26CU-2, GT26CW-2
* 1	9510345	-	-	C	CABINET ASY. .. A.C. cooling fans and compressor control - GT26CW
* 1	8446870	-	-	D	CABINET ASY. .. A.C. cooling fans and compressor control - GT26CW
2	8470692	1	1	-	CABINET ASY. .. Equipment mounting
2	8446869	-	-	1	CABINET ASY. .. Equipment mounting
3	8470690	1	1	-	DOOR ASY. .. Cabinet - 20-7/8 x 36 in.
3	8340842	-	-	1	DOOR ASY. .. Cabinet - 20-7/8 x 36 in.
φ* 4	8331090	1	1	1	PLATE .. Name - Danger 215 volts (English)
φ* 4	8479389	1	1	1	PLATE .. Name - Danger 215 volts (Yugoslavian)
φ* 4	8448683	1	1	1	PLATE .. Name - Danger 215 volts (Persian)
φ* 4	8386526	1	1	1	PLATE .. Name - Danger 215 volts (Portugese)
φ* 4	8474043	1	1	1	PLATE .. Name - Danger 215 volts (Spanish)
φ* 5	8462869	1	1	1	PLATE .. Name - Fuse warning (English)
φ* 5	9519013	1	1	1	PLATE .. Name - Fuse warning (French)
* 6	436640	4	4	4	SCREW .. No. 4 - 40 x 3/8 pan head slotted
* 7	8035114	4	4	4	NUT .. No. 4 - 40 self-locking
* 8	8340843	1	1	1	DOOR ASY. .. Cabinet - 13-1/8 x 36 in.
* 9	8158536	2	2	2	LATCH ASY. .. Door
*10	157125	8	8	8	SCREW .. Machine - 10 - 32 x 5/8 oval head - Cross recess
*11	8035122	8	8	8	NUT .. Lock - 10 - 32 hex.
12	8272251	2	2	2	HINGE .. Loose joint - Welds to door
13	8272252	2	2	2	HINGE .. Loose joint - Welds to door
14	8315513	1	1	1	HINGE ASY. .. Loose joint - Includes pin - Welds to hinge pad
15	8315514	1	1	1	HINGE ASY. .. Loose joint - Includes pin - Welds to hinge pad
16	8332345	1	1	1	HINGE ASY. .. Loose joint - Includes pin - Welds to hinge pad
17	8332346	4	4	4	HINGE ASY. .. Loose joint - Includes pin - Welds to hinge pad
18	8147561	4	4	4	PAD .. Hinge - Welds to cabinet
19	8314549	2	2	2	CONTACTOR .. AC1,AC2,AC3 - See Parts List 5402
20	9419874	8	8	8	SCREW .. Tapping - 1/4 - 20 x 3/4 hex. washer head
21	8488796	1	1	1	CHANNEL .. 4-3/8 in.
22	8462468	2	2	2	ANGLE .. Insulating - 4-11/16 x 1-7/16 x 1-1/4 in. wide
23	8462469	2	2	2	ANGLE .. Insulating - 6-5/8 x 1-7/16 x 1-1/4 in. wide
24	8462812	1	1	1	BAR ASY. .. Bus - Lower
25	8462813	1	1	1	BAR ASY. .. Bus - Upper
26	8450815	2	2	2	BAR .. Bus - "L" shaped - 1-7/8 x 1-3/8 x 3/4 in. wide
27	8450816	2	2	2	BAR .. Bus - "L" shaped - 3-1/2 x 1-1/8 x 3/4 in. wide
28	8439559	4	4	4	FUSE .. Time delay
29	8471148	2	2	2	INSULATOR .. Standoff
*30	8341600	1	1	-	BAR ASY. .. Bus - Insulated - Upper
*31	8332521	-	-	1	BAR ASY. .. Bus - Insulated - Upper
*32	8341599	1	1	-	BAR ASY. .. Bus - Insulated - Lower
*33	8332137	-	-	1	BAR ASY. .. Bus - Insulated - Lower
34	180124	4	4	6	BOLT .. 3/8 - 16 x 1-1/4 hex. head
35	120394	32	32	38	WASHER .. Plain - 3/8
36	8035146	14	14	16	NUT .. Lock - 3/8 - 16
37	180122	6	6	12	BOLT .. 3/8 - 16 x 1 hex. head
38	9428638	3	3	3	BOLT .. 3/8 - 16 x 5/8 hex. head
39	120382	8	8	8	WASHER .. Lock - 3/8
40	180079	8	8	12	BOLT .. 5/16 - 18 x 1 hex. head
41	120393	16	16	24	WASHER .. Plain - 5/16
42	8035145	8	8	12	NUT .. Lock - 5/16 - 18 hex. head
43	180120	1	1	1	BOLT .. 3/8 - 16 x 3/4 hex. head
44	180121	2	2	2	BOLT .. 3/8 - 16 x 7/8 hex. head
45	120377	4	4	4	NUT .. 3/8 - 16 hex.
46	8168457	2	2	2	CLAMP .. Insulated - 1-1/2 in. I.D.

Applied to current
Cabinets with A.C.
Cooling Fan Fuse
Protection

Applied to Former
Cabinets Without A.C.
Fuse Protection

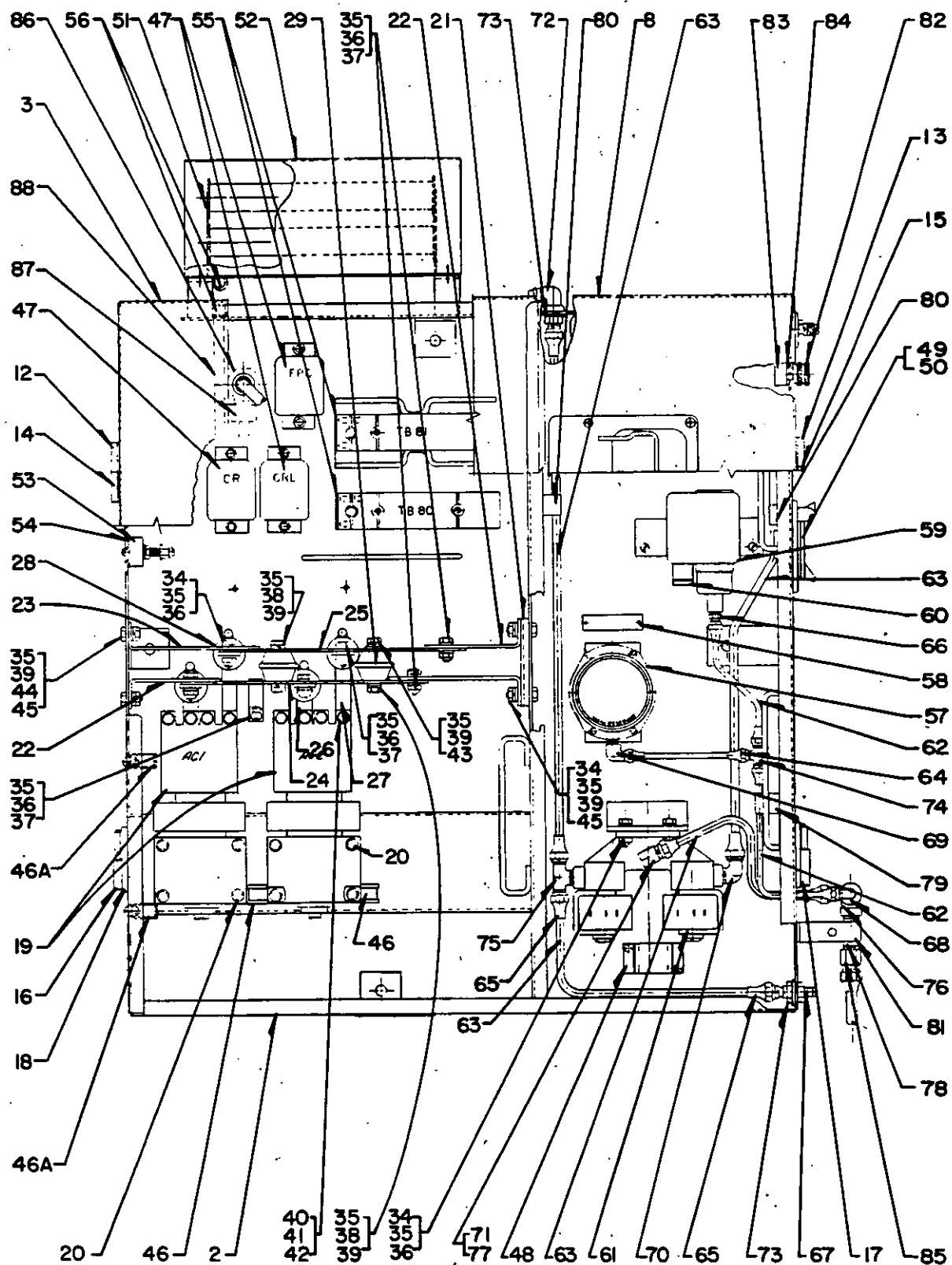
P.L. No. D3239-E

ACCESSORY CONTROL CABINET

Ref. No.	Part Number	Number Required				Description
		A	B	C	D	
						CABINET ASY. ... A.C. Cooling fans and compressor control
46A	8168453	2	2	2	2	CLAMP .. Insulated - 1 in. I.D.
47	8363168	3	3	1	3	RELAY .. CR,CRL,FPC - See Parts List 5440
48	8276617	1	1	1	1	RECTIFIER .. CR81 - Selenium - 5 plate - 1-1/2 x 1-1/2 in. square
49	8260287	1	1	1	1	RECEPTACLE .. A.C. - 2 pole female
50	8280439	1	1	1	1	COVER .. A.C. receptacle
51	9090455	1	1	1	1	RESISTOR ASY. ... RE7 - (2)6 Ohm - 400 watt - Formerly 8425858 (2 - 8 Ohm)
52	8453251	1	1	1	1	COVER .. Resistor
53	8332591	1	1	1	1	BOARD .. Terminal - 1 point - 3/8 - 16 screw connection
54	8332589	1	1	1	1	INSULATION .. Terminal board
55	8277744	2	2	2	2	BOARD .. Terminal - 20 point - Faston tab connection
56	8168449	2	2	2	3	CLAMP .. Insulated - 1/2 in. I.D.
φ 57	8231593	1	1	1	1	GAUGE .. Pressure - Main reservoir - 0 to 200 lbs. - 0 to 14 Kg/Cm2
φ 57	9081456	1	1	1	1	GAUGE .. Pressure - Main reservoir - 0 to 14 Kg/Cm2
φ 58	8440495	1	1	1	1	PLATE .. Name - MR pressure (French)
φ 58	8476459	1	1	1	1	PLATE .. Name - MR pressure (Yugoslavian)
φ 58	8258415	1	1	1	1	PLATE .. Name - MR pressure (Persian)
φ 58	8323057	1	1	1	1	PLATE .. Name - MR pressure (English)
59	8358932	1	1	1	1	SWITCH .. Compressor control CCS - See P.L. 5502
60	8038643	1	1	1	1	BUSHING .. Insulating - Male - 1/2 in.
φ 61	8356900	1	1	1	1	VALVE .. Magnet - Compressor cont. CC - Shutter cont. SH
φ 61	8357441	1	1	1	1	VALVE .. Magnet - Compressor cont. CC
62	8098593		A.R.			TUBING .. 1/4 O.D. x .028 wall copper brazed steel - 20 ft. (24 in. required)
63	8098594		A.R.			TUBING .. 3/8 O.D. x .028 wall copper brazed steel - 20 ft. (76 in. required)
64	116452	6	6	6	6	NUT .. 1/4 tube
65	121758	8	8	6	6	NUT .. 3/8 tube
66	116436	1	1	1	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
67	8144118	1	-	1	-	CONNECTOR .. Bulk head - 3/8 x 1/4 M.P.T.
68	8040335	1	1	1	1	ELBOW .. 1/4 tube x 3/8 M.P.T. - 90° - Formerly 118755
69	8040347	1	1	1	1	ELBOW .. 1/4 tube x 1/4 F.P.T. - 90°
70	8039169	2	3	2	3	ELBOW .. 3/8 tube x 3/8 M.P.T. - 90°
71	8040350	1	1	1	1	ELBOW .. 3/8 tube x 3/8 F.P.T. - 90°
72	8266545	2	2	2	2	ELBOW .. Bulkhead - 3/8 tube - 90°
73	422969	3	2	3	2	NUT .. 5/8 - 18 hex. jam
74	118805	1	1	1	1	TEE .. 1/4 tube
75	8040396	1	-	1	-	TEE .. 3/8 tube x 3/8 tube x 3/8 M.P.T.
76	8042833	1	1	1	1	TEE .. 3/8 tube
77	8078165	1	1	1	1	NIPPLE .. Pipe - 3/8 M.P.T. x 2 in. long
78	8136462	1	1	1	1	NIPPLE .. Pipe - 3/8 M.P.T. x 2-1/2 in. long
79	8108201	1	1	1	1	CLAMP ASY. ... 1/4 O.D. tubing
80	8108202	2	2	2	2	CLAMP ASY. ... 3/8 O.D. tubing
81	8108209	1	1	1	1	CLAMP ASY. ... Tube clamp and hanger assembly
82	8086270	1	1	1	1	BUSHING .. Strain relief - 1/2 M.P.T. straight male - Cable size 3/8 to 1/2
83	8038594	1	1	1	1	BUSHING .. Insulating - 1/2 F.P.T.
84	8038584	1	1	1	1	NUT .. Lock - Conduit - 1/2 in.
85	128141	1	1	1	1	CONNECTOR .. 1/2 tube x 3/8 F.P.T.
86	8403717	1	1	-	-	CONNECTOR .. Conduit - 3/4 F.P.T. (Water tight)
87	8224088	1	1	-	-	BUSHING .. Strain relief - 3/4 M.P.T. - 90° male - Cable size 9/16 to 5/8
*88	8391550	1	1	-	-	LOOM .. Cable - 11/32 I.D. - Sold per foot (18 in. required) - Formerly 8088553
*88	8116823	-	-	1	1	LOOM .. Cable - 3/8 I.D. x 50 ft. long (18 in. required)
*89	8333051	1	1	-	1	FILTER .. Centrifugal air - See P.L. 1093 - Formerly applied
*90	8344473	-	-	-	1	CABLE ASY. ... A.C. cabinet to load regulator - Formerly applied
*90	8470689	1	1	-	-	CABLE ASY. ... A.C. cabinet interconnection
*90	8452408	-	-	1	1	CABLE ASY. ... A.C. cabinet interconnection - Formerly 8344934
*91	8468611		A.R.			CABLE .. 14 AWG. - LF heavy insulation - 500 ft. roll (95 ft. required)
*92	8250906	49	49	59	59	TERMINAL .. Insulated female faston tab - Blue
*93	8333192	9	9	9	9	TERMINAL .. Non-insulated female faston tab
*94	8210498	2	2	-	-	LUG .. Insulated crimp type - No. 10 stud hole - Blue
*95	8189218	2	2	2	2	LUG .. Insulated crimp type - No. 6 stud hole - Blue

P.L. No. D3239-E

ACCESSORY CONTROL CABINET



Ref. No. 1
PLATE D3239-E4

P.L. No. D3239-E

ACCESSORY CONTROL CABINET

Sanding, Shutter and Clutch Panel
G22CU, GL22C and G26CW Locomotives

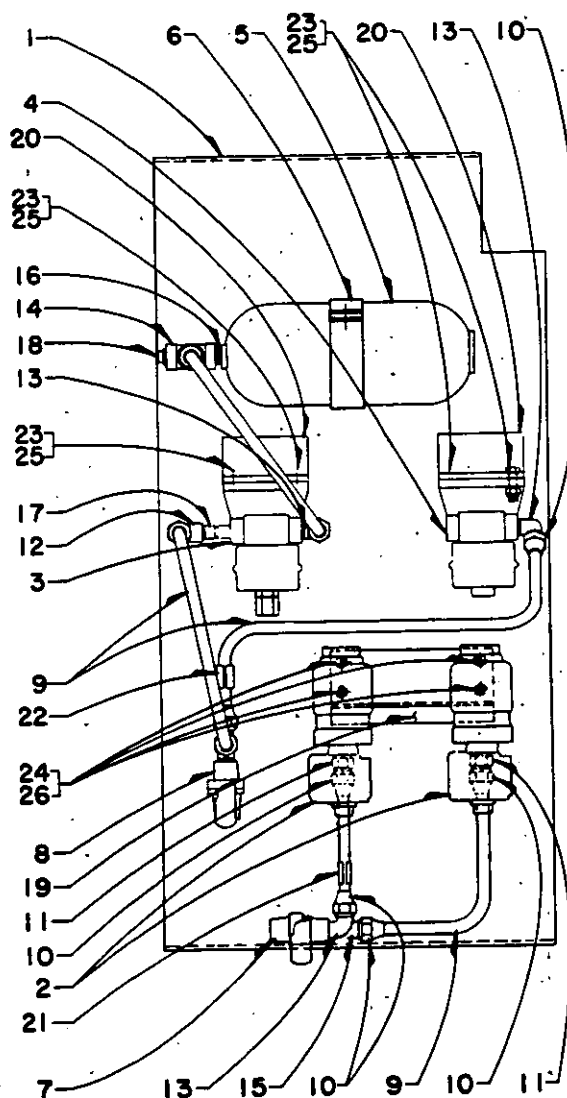


PLATE D3239-E-5

Ref. No.	Part Number	No. Req.	Description
1	8383865	1	PANEL EQUIPPED .. Sanding, shutter and clutch
2	8464204	2	VALVE .. Magnet - Sanding control - See P.L. 1900
3	8464079	1	VALVE .. Magnet - Fan control - See P.L. 4715
4	8467835	1	VALVE .. Magnet - Shutter control - See P.L. 4715
5	8087855	1	RESERVOIR .. Air - 110 cu. in.
6	8254043	1	CLAMP ASY. .. Reservoir mounting
7	8351608	1	VALVE .. Ball - 3/8 F.P.T.
8	8390302	1	VALVE .. Ball - 3/8 F.P.T.
9	8098595	A.R.	TUBING .. 1/2 O.D. x .035 wall copper - 20 ft. length
10	120141	10	NUT .. 1/2 tube
11	118752	3	CONNECTOR .. 1/2 tube x 3/8 M.P.T.
12	120142	1	ELBOW .. 90° - 1/2 tube x 3/8 F.P.T.
13	118757	3	ELBOW .. 90° - 1/2 tube x 3/8 M.P.T.
14	8042833	1	TEE .. Pipe - 3/8 F.P.T. x 3/8 F.P.T. x 3/8 F.P.T.
15	144299	2	TEE .. Tube - 1/2 tube x 1/2 tube x 3/8 M.P.T.
16	8060964	1	NIPPLE .. Close - 3/8 M.P.T. - Ex. heavy
17	8203757	1	VENTURI .. 3/8 M.P.T. x 3/8 M.P.T. - .040 orifice
18	103879	1	PLUG .. Pipe - 3/8-18 square head
19	8333421	1	BRACKET .. 7 in. x 3-1/4 in. - Valve mtg.
20	8138496	2	BRACKET .. 3-3/4 in. x 3-1/2 in. x 2 in. - "L" shaped - Valve mounting
21	8108206	1	CLAMP ASSEMBLY .. Tube mounting - 4-1/2 in. long
22	8108207	1	CLAMP ASSEMBLY .. Tube mounting - 6-1/2 in. long
23	179841	4	BOLT .. 3/8-16 x 1-1/4 hex. head
24	179835	4	BOLT .. 3/8-16 x 5/8 hex. head
25	9416513	4	NUT .. Lock - 3/8-16 hex.
26	103321	4	WASHER .. Lock - 3/8

P.L. No. D3239-E

ACCESSORY CONTROL CABINET

Accessory Junction Box Equipment
G22W,G22CU,GL22C,G26CU and G26CW Locomotives

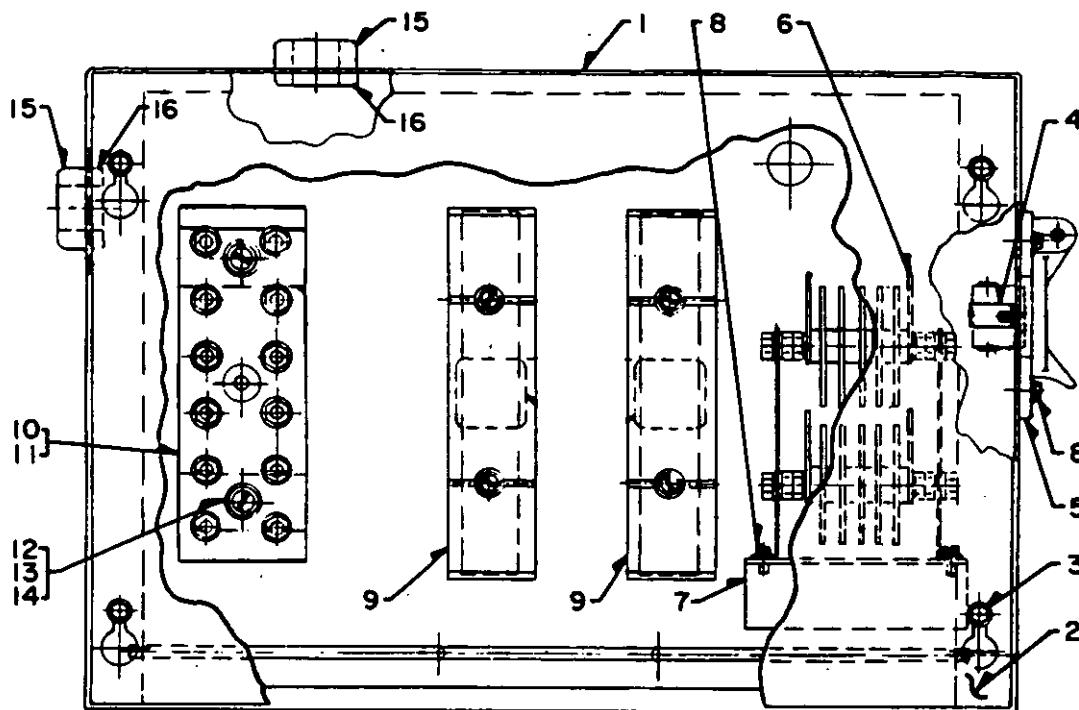


PLATE D3239-E-6

Ref. No.	Part Number	No. Req.	Description
		A	- G22W,G22CU,GL22C,G26CW locomotives
		B	G26CU,G26CW locomotives
1	8382925	1	BOX .. Junction - Equipment mounting - 20 x 14 x 5 in. - 11 ga.
* 1	8476467	-	BOX .. Junction - Equipment mounting
2	8371335	1	COVER .. Junction box - 19-3/4 x 13-3/4 in. - 14 ga.
* 2	8476468	-	COVER .. Junction box
3	9419646	4	SCREW .. Tapping - 1/4-20 x 5/8 hex. washer head
4	8260287	1	RECEPTACLE .. A.C. - 2 pole female
5	8280439	1	COVER ASSEMBLY .. A.C. receptacle
6	8333132	1	RECTIFIER .. Selenium - (2) 5 plate - 1.20 Amps.
7	8374968	1	BRACKET .. Rectifier mounting
8	9419643	8	SCREW .. Tapping - 8-32 x 1/2 hex. washer head
9	8277744	2	BOARD .. Terminal - 20 point - Faston tab connections - TB 80, 81
10	8369125	1	BOARD ASY. ... Terminal - 12 point - Screw connections - TB 82
11	8259783	1	INSULATION .. Board mounting - 7-23/32 x 2-3/4 x 1/16 in. thick - Fiber
12	120392	26	WASHER .. Plain - 1/4
13	120375	12	NUT .. 1/4-20 hex.
14	8035144	12	NUT .. Lock - 1/4-20 hex.
15	8038645	2	BUSHING .. Cable entrance - 1 in. male - Phenolic
16	8038586	2	NUT .. Lock - 1 in.
*17	8475694	A.R.	CABLE .. Temp. sws. - 2 cond. 16 AWG. - G & D insul. - 50 ft. - (13 ft. req'd.) Replaces 8337786
*18	8337787	A.R.	CABLE .. Temp. sws. - 3 cond. 16 AWG. - G & D insul. - Sold per ft. - (7 ft. req'd.)
*19	8460611	-	CABLE .. Temp. sws. - 14 AWG. - LF insul. - 500 ft. roll - (65 ft. req'd.)
*20	8433437	A.R.	CABLE .. Load reg. - 5 AWG. - EPR insul. - 100 ft. roll - (3 ft. req'd.) - Repl. 8187788
*21	8250906	7	TERMINAL .. Insulated female faston tab - Blue
*22	8130629	6	LUG .. Non-insulated crimp type - 1/4 in. stud hole
*23	8077451	1	PLUG .. Cord grip - A.C. receptacle - 2 pole male - Rubber covered
*24	8425056	-	PLUG .. Temperature switches - 3 pole female
8382926D,8476469			

Parts List No. D3243-E

ELECTRICAL CONTROL CABINET

G18U,G18W,GA18,G22W,G22CW and G26CW Locomotives
PLATES C3243-E-1 and 2

Ref. No.	Part Number	Number Required								Description	Locomotive Application
		A	B	C	D	E	F	G	H		
* 1	8414804	1	-	-	-	-	-	-	-	CABINET ASY. ... Electrical control	GA18
* 1	8478478	-	1	-	-	-	-	-	-	CABINET ASY. ... Electrical control	G18U
* 1	8445962	-	-	1	-	-	-	-	-	CABINET ASY. ... Electrical control	G18U
* 1	8405174	-	-	-	1	-	-	-	-	CABINET ASY. ... Electrical control	G18W
* 1	8392218	-	-	-	-	1	-	-	-	CABINET ASY. ... Electrical control	G22W
* 1	9325954	-	-	-	-	-	1	-	-	CABINET ASY. ... Electrical control	G22W
1	8388008	-	-	-	-	-	-	1	-	CABINET ASY. ... Electrical control	G22CW
1	8468360	-	-	-	-	-	-	-	1	CABINET ASY. ... Electrical control	G22CW
1	8419953	-	-	-	-	-	-	-	1	CABINET ASY. ... Electrical control	G26CW

Components of Cabinet Assemblies listed in the same column are the same unless otherwise specified.

2	----	1	1	1	1	1	1	1	1	FRAME ASY. ... Includes doors - See pages 9 thru 13	
3	8416166	1	-	-	-	-	-	-	-	COVER .. Cabinet top - 59-1/4 x 12-1/2 x 12 ga.	
3	8382658	-	1	1	1	1	1	1	1	COVER .. Cabinet top - 59-1/4 x 16-3/4 x 12 ga.	
* 4	8402246	-	-	-	1	1	-	1	1	COVER .. Cable entrance	
5	----	1	1	1	1	1	1	1	1	PANEL ASY. ... Main control - See page 14	
6	----	1	1	1	1	1	1	1	1	PANEL ASY. ... Engine control - See page 17	
7	----	1	1	1	1	1	1	1	1	PANEL ASY. ... Wheel slip - See page 19	
8	----	2	3	1	1	3	1	2	2	PANEL ASY. ... Resistor - See pages 20 and 21	
9	----	1	1	1	1	1	1	1	1	PANEL ASY. ... Rectifier - See pages 22 and 23	
10	9325827	-	-	-	-	-	1	-	-	PANEL ASY. ... Circuit breaker - See page 24	
11	8361752	1	1	1	1	1	1	1	1	PANEL ASY. ... Generator shunt - See P.L. 3249	
12	8166594	1	1	1	1	1	1	1	1	INSULATION .. Generator shunt panel mounting	
13	9318733	1	1	1	1	1	1	1	1	BAR .. Bus - 9-1/2 x 4 x 3/8 in. copper - Frmly. 8333311 alum.	
14	9318788	2	2	2	2	2	2	2	2	BAR .. Bus - 3-3/4 x 3-5/8 x 3/8 in. copper - Frmly. 8335009 alum.	
15	8362859	1	-	-	-	1	1	1	1	PANEL ASY. ... Ammeter shunt	See P.L. 3249
15	8370241	-	1	1	-	-	-	-	-	PANEL ASY. ... Ammeter shunt	
16	8237561	1	-	-	-	1	1	1	1	INSULATION .. Fibre - 9 x 3 x 1/16 - Panel mounting	
16	8198528	-	1	1	-	-	-	-	-	INSULATION .. Fibre - 7-1/4 x 1-1/2 x 1/16 - Panel mounting	
17	8221444	1	-	-	-	1	1	1	1	SHUNT .. Ammeter - 50 M.V. - 1000 A.	
17	8197308	-	1	1	-	-	-	-	-	SHUNT .. Ammeter - 50 M.V. - 500 A.	
*18	9317471	-	-	-	-	-	-	1	-	CONTROL ASY. ... Dyn. brake/battery field - DBBF-3 - See page 25	
*19	8254055	1	-	-	-	-	-	-	1	CONTACTOR .. Shunt field - SF - See P.L. 5432	
20	8415485	1	1	1	1	1	1	1	1	CONTACTOR .. Starting - GS - See P.L. 5377	
21	8334484	1	-	-	-	-	-	-	-	CONTACTOR .. Field shunting - FS	See P.L. 5383
φ 21	8345542	-	1	1	-	-	-	-	2	CONTACTOR .. Field shunting - FS1,FS2	
φ 21	8387921	-	-	-	-	2	-	-	-	CONTACTOR .. Field shunting - FS1,FS2	See P.L. 5408
φ 21	8363308	-	-	-	-	1	1	-	-	CONTACTOR .. Field shunting - FS1	
φ 21	8357465	-	1	-	-	-	-	2	-	CONTACTOR .. Field shunting - FS1,FS2	See P.L. 5405
φ 21	8419344	-	-	-	-	-	-	-	2	CONTACTOR .. Field shunting - FS1,FS2	
22	8332466	2	2	2	2	3	2	3	3	CONTACTOR .. Power - B - P1,2,3,4,14,25, S13,14,23,24,25,36,45	See P.L. 5405
23	8334912	-	5	4	4	4	4	-	-	CONTACTOR .. Power - B,P1,2,3,4	
*24	8340347	-	-	-	-	-	-	2	-	CONTACTOR .. Power - P25,36	
25	9318787	-	4	4	4	4	4	3	-	BAR .. Bus - 7-3/4 x 2-1/4 x 1/4 copper - Frmly. 8348235 alum.	
*26	9098983	-	-	-	-	-	-	1	-	BAR .. Bus - 7-3/4 x 2-5/8 x 3/8 copper - Frmly. 8387968 alum.	
φ 27	8464117	2	-	4	-	4	-	4	3	SWITCH .. Magnetic - RVF,RVR - Replaces 8341261 Not applicable to Col. G cabinet 8468360	See P.L. 5426
φ*27	8464118	-	4	4	4	4	4	4	3	SWITCH .. Magnetic - RVF,RVR - Replaces 8382810 Not applicable to Col. G cabinet 8388008	
28	8333315	2	4	4	4	4	4	4	3	BAR .. Bus - Lower - Aluminum	
29	8333316	2	4	4	4	4	4	4	3	BAR .. Bus - Upper - Aluminum	
30	8464114	2	2	-	-	1	-	1	1	SWITCH .. Magnetic - B12,24-M2,23,34 - Repl. 8335901	See P.L. 5426
31	8464113	-	1	-	-	2	-	3	3	SWITCH .. Magnetic - B45,56 - M12,24 - Repl. 8328962	
32	8367651	-	-	-	-	1	-	-	-	BAR .. Bus - 6-7/8 x 2-1/4 x 1/4 in. - Copper	

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required								Description
		A	B	C	D	E	F	G	H	
-	----									CABINET ASY. .. Electrical control
33	8457997	-	-	-	-	-	1	-	-	MODULE ASY. .. VR11 - Volt. reg. - See P.L. 4001
34	9319446	-	-	-	-	-	1	-	-	COMPARTMENT ASY. .. Module - See P.L. 4002
35	8479400	-	-	-	-	-	1	-	-	RECTIFIER ASY. .. Battery charging - Includes resistor - See P.L. 6903
36	9092231	-	-	-	-	-	1	-	-	RESISTOR .. REA1 - 10 Ohms - 400 Watt
37	9320758	-	-	-	-	1	1	-	1	BREAKER .. Circuit - Trainline power - Steamgen. - Mainline lighting - D.P. - 150 Amps.
37	8433383	-	-	-	-	-	1	-	-	BREAKER .. Circuit - Train lgt. - D.P. - 100 Amps.
*38	8451550	-	-	-	-	1	-	-	-	PLATE .. Name - T/L pwr. - Stem gen. - Persian
*38	9318150	-	-	-	-	-	1	-	-	PLATE .. Name - Train lighting - Spanish
*38	8488564	-	-	-	-	-	-	1	-	PLATE .. Name - Trainline lgt. - Arabic
39	9319422	-	-	-	-	-	1	-	-	CONTACTOR .. TLM - See P.L. 5377
40	8483478	-	-	-	-	-	1	-	-	CONTACTOR .. TLS - See P.L. 5402
41	9319402	-	-	-	-	-	1	-	-	RECTIFIER ASY. .. Train lgt. - CRTL - See P.L. 6903
42	8411512	2	3	3	3	3	3	3	2	RELAY .. Transition and cutout limit - BTR,COLR (on units with motor cutout), FSR,FTR,PLR - See P.L. 4550
43	8367445	1	-	-	-	-	-	-	-	BAR .. Bus - 16-1/4 x 4 x 3/8 - Copper
43	8382696	-	1	1	1	1	1	1	1	BAR .. Bus - 15-3/4 x 4 x 3/8 - Copper
44	8335772	2	2	2	2	2	2	2	2	BLOCK .. Insulating - 4 x 3-11/16 x 1-1/4 in.
φ 45	8414057	1	-	-	-	-	-	-	-	RESISTOR .. RE1 - Shunt field
φ 45	8346354	1	1	1	1	-	-	-	-	RESISTOR .. RE1 - Shunt field
φ 45	8389653	-	-	-	-	1	1	1	-	RESISTOR .. RE1,RE-SF - Shunt field
φ 45	8393807	-	-	-	-	1	-	-	-	RESISTOR .. RE-1 - Shunt field
φ 45	8287114	-	-	-	-	1	-	-	-	RESISTOR .. RE-1 - Shunt field
45	8362811	-	-	-	-	-	-	-	1	RESISTOR .. RE-1 - Shunt field
46	8395467	-	1	1	1	-	-	-	-	RESISTOR .. RE-2 - 4/4/8 Ohms
46	8394789	-	-	-	-	-	-	-	1	RESISTOR .. RE-2 - 10/10 Ohms
*47	8367393	-	-	1	-	-	-	-	-	RESISTOR .. RE-22 - 4000/4000 Ohms
48	8394416	-	-	-	-	1	1	-	-	RESISTOR .. RE-40 - 150 Ohms
49	8227212	3	3	2	2	2	-	2	2	RESISTOR .. RE-91,92,93 - 275 Ohms
*50	8260227	-	-	-	-	-	-	-	3	RESISTOR .. RE-93,94,95 - 30 Ohms
51	8382209	1	1	1	1	1	-	1	1	RESISTOR .. Battery charging - RE-BC
*52	8414205	1	-	-	-	-	-	-	-	RESISTOR .. Motor field shunt - RE-FS
53	8395901	-	1	1	1	-	-	-	-	RESISTOR .. Motor field shunt - RE-FSA
φ 53	8392861	-	-	-	-	1	-	-	-	RESISTOR .. Motor field shunt - RE-FSA
φ 53	9090836	-	-	-	-	1	1	-	-	RESISTOR .. Motor field shunt - RE-FSA
φ 53	8393730	-	-	-	-	-	-	1	-	RESISTOR .. Motor field shunt - RE-FSA
φ 53	9320764	-	-	-	-	-	-	1	-	RESISTOR .. Motor field shunt - RE-FSA
54	8395902	-	1	1	1	-	-	-	-	RESISTOR .. Motor field shunt - RE-FSB
φ 54	8392862	-	-	-	-	1	-	-	-	RESISTOR .. Motor field shunt - RE-FSB
φ 54	9090837	-	-	-	-	1	1	-	-	RESISTOR .. Motor field shunt - RE-FSB
φ 54	8393731	-	-	-	-	-	-	1	-	RESISTOR .. Motor field shunt - RE-FSB
φ 54	9320763	-	-	-	-	-	-	1	-	RESISTOR .. Motor field shunt - RE-FSB
*55	8421860	-	-	-	-	-	-	-	3	RESISTOR .. Motor field shunt - RE-FS14,25,36
56	8402130	-	-	1	1	1	-	-	-	SWITCH .. Traction motor cut-out
57	8405173	-	1	1	1	1	1	1	1	BRACKET .. Switch mounting - Not appl. to Col. G 8388008
φ 58	8416095	1	1	1	1	1	-	1	1	RECTIFIER .. Battery charging - Applied with 10 K.W. Aux. Gen. - Replaces 8319696 and 8333841
φ 58	8416192	-	-	-	-	1	-	1	1	RECTIFIER .. Battery charging - Applied with 18 K.W. D.C. auxiliary generator
59	8335911	2	1	2	1	3	1	1	3	CAPACITOR .. CA10,63,64
60	8042902	1	1	2	1	3	1	1	3	BRACKET .. Capacitor mounting
61	8277744	6	6	6	6	6	6	6	6	BOARD .. Terminal - 20 point - Faston connections
62	8353921	1	1	1	1	1	1	1	1	BOARD .. Terminal - 20 point - Screw connections
63	8114455	1	1	1	1	1	1	1	1	INSULATION .. Terminal board mtg. - 13-3/4 x 2-3/4 x 1/16 in.
64	8078117	4	4	4	4	3	3	4	4	BAR .. Bus - Terminal connector - 1-7/8 x .550 x .047 in.
65	8109586	1	1	1	1	1	1	1	1	BAR .. Bus - Terminal connector - 3-1/8 x .550 x .047 in.

Applied with
18 K.W. A.C.
Auxiliary
Generator

Train Ltg.
Equip.

See P.L.
6902

See P.L.
6903

† The Traction Motor Cut-out Switch for Columns B,F,G (Cabinet 8468360 only) and H are components of the Engine Control Panel, Ref. No. 6. See Page 17.

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required								Description
-	----	A	B	C	D	E	F	G	H	CABINET ASY. .. Electrical control
66	8382692	1	1	1	1	1	-	1	1	LIGHT ASY. .. Portable - Lamp not included
67	8094886	1	1	1	1	1	-	1	1	LAMP .. Medium screw base - 50 W - 75 Volts
68	8126680	1	1	1	1	1	-	1	1	CABLE .. 2 cond. 16 AWG - 25 ft. roll
*69	8086270	1	1	1	1	1	-	1	1	BUSHING .. Strain relief - 1/2 in.
*70	8038594	1	1	1	1	1	-	1	1	BUSHING .. Cable - 1/2 in. female
*71	8038584	1	1	1	1	1	-	1	1	LOCKNUT .. Conduit - 1/2 in.
72	8260287	1	1	1	1	1	1	1	1	RECEPTACLE .. 2 pole female
73	8280439	1	1	1	1	1	1	1	1	COVER .. Receptacle
74	----	As Required								CABLE .. Electrical cabinet
75	----	As Required								CLEAT .. Cable support
*76	8038644	1	-	-	-	-	-	-	-	BUSHING .. Cable - 3/4 in. male
*77	8038595	1	-	-	-	-	-	-	-	BUSHING .. Cable - 3/4 in. female
78	8038645	-	2	2	2	2	1	2	2	BUSHING .. Cable - 1 in. male
79	8038596	-	2	2	2	2	1	2	2	BUSHING .. Cable - 1 in. female
80	8038647	1	-	-	-	-	1	-	-	BUSHING .. Cable - 1-1/2 in. male
81	8038598	1	-	-	-	-	1	-	-	BUSHING .. Cable - 1-1/2 in. female
82	8038648	1	1	1	2	2	-	2	2	BUSHING .. Cable - 2 in. male
83	8038599	1	1	1	2	2	-	2	2	BUSHING .. Cable - 2 in. female
84	8038649	2	2	2	1	2	3	1	1	BUSHING .. Cable - 2-1/2 in. male
85	8038600	2	2	2	1	2	3	1	1	BUSHING .. Cable - 2-1/2 in. female
*86	8332580	1	1	1	1	-	-	1	1	GROMMET .. Strip - .131 I.D. x .220 O.D. x 12-3/4 in. long
*87	6917552	-	1	-	-	-	-	-	-	STRIP .. Cable - "U" type - 1-7/8 x 1-3/4 in. opening
*88	6917545	-	1	-	-	-	-	-	-	INSULATION .. Strip - Flat type - 4-1/4 x 2 x 1/16 fiber
*89	6917553	-	1	-	-	-	-	-	-	INSULATION .. Strip - "U" type - 1-3/4 x 1-3/4 in. opening
90	8209319	-	-	-	-	1	-	-	-	CLAMP .. Cable - "U" type - 2-5/16 x 2 in. opening
90	8361901	-	-	-	-	-	-	1	1	CLAMP .. Cable - "U" type - 3-5/8 x 1-3/4 in. opening
91	8098013	-	-	-	-	1	-	-	-	INSULATION .. Clamp - Flat type - 5-1/8 x 2 x 1/16 fiber
91	5917549	-	-	-	-	-	-	1	1	INSULATION .. Clamp - Flat type - 6 x 2 x 1/16 fiber
92	8209318	-	-	-	-	1	-	-	-	INSULATION .. Clamp - "U" type - 2-5/16 x 2 in. opening
92	8361905	-	-	-	-	-	-	1	1	INSULATION .. Clamp - "U" type - 3-5/8 x 1-3/4 in. opening
93	8382705	-	-	-	-	1	-	1	1	COVER .. Sheet - "L" type - 7-1/4 x 5-1/2 x 16 ga.
*94	8382704	-	-	-	-	1	-	1	1	COVER .. Sheet - 15 x 6 x 16 ga.

Formerly
Applied

See P.L. 9106

Figure 1 is a detailed plan view of a vehicle cab interior. The layout is symmetrical, with a central aisle and control panels on either side. The left side is labeled 'CAB SIDE' and the right side is labeled 'ENGINE SIDE'. The diagram includes numerous numbered callouts (1-85) pointing to various components such as seats, control panels, switches, and structural elements. Key components include:

- Seats:** Labeled with callouts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85.
- Control Panels:** Labeled with callouts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85.
- Structural Elements:** Labeled with callouts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85.

AUGUST, 1980

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

G18U,G18W,G22U,G22CU,GL22C and G26CU Locomotives
PLATE C3243-E-3

Ref. No.	Part Number	Number Required						Description	Locomotive Application
		A	B	C	D	E	F		
* 1	8395873	1	-	-	-	-	-	CABINET ASY. .. Electrical control	G18U
* 1	8404948	-	1	-	-	-	-	CABINET ASY. .. Electrical control	G18W
* 1	8431263	-	-	1	-	-	-	CABINET ASY. .. Electrical control	G22U
1	8382582	-	-	-	1	-	-	CABINET ASY. .. Electrical control	G22CU, GL22C
1	8415013	-	-	-	1	-	-	CABINET ASY. .. Electrical control	G22CU
* 1	8460822	-	-	-	-	1	-	CABINET ASY. .. Electrical control	G22CU
* 1	8387004	-	-	-	-	-	1	CABINET ASY. .. Electrical control	G26CU
<i>Components of Cabinet Assemblies listed in the same column are the same unless otherwise specified.</i>									
2	8395869	1	1	-	-	-	-	FRAME ASY. .. Includes doors	} See Page 9
2	8440810	-	-	1	-	-	-	FRAME ASY. .. Includes doors	
2	8364531	-	-	-	1	1	1	FRAME ASY. .. Includes doors	
3	8382658	1	1	1	1	1	1	COVER .. Cabinet top - 59-1/4 x 16-3/4 x 12 ga.	
* 4	8402246	1	1	-	1	1	1	COVER .. Cable entrance	
5	----	1	1	1	1	1	1	PANEL ASY. .. Main control - See page 14	
6	8395615	1	1	-	-	-	-	PANEL ASY. .. Engine control	} See page 17
6	8382857	-	-	1	1	-	1	PANEL ASY. .. Engine control	
6	8460821	-	-	-	-	1	-	PANEL ASY. .. Engine control	
7	----	1	1	1	1	1	1	PANEL ASY. .. Wheel slip - See page 19	
8	----	3	1	1	3	1	3	PANEL ASY. .. Resistor - See pages 20 and 21	
9	----	1	1	1	1	1	1	PANEL ASY. .. Rectifier - See pages 22 and 23	
10	8361752	1	1	1	1	1	1	PANEL ASY. .. Generator shunt - See P.L. 3249	
11	8166594	1	1	1	1	1	1	INSULATION .. Generator shunt panel mounting	
12	9318733	1	1	1	1	1	1	BAR .. Bus - 9-1/2 x 4 x 3/8 in. copper - Formerly 8333311 aluminum	
13	9318788	2	2	2	2	2	2	BAR .. Bus - 3-3/4 x 3-5/8 x 3/8 in. copper - Formerly 8335009 aluminum	
14	8370241	1	-	1	1	1	1	PANEL ASY. .. Ammeter shunt - See P.L. 3249	
14	8362589	-	1	-	-	-	-	PANEL ASY. .. Ammeter shunt - See P.L. 3249	
15	8198528	1	-	1	1	1	1	INSULATION .. Fibre - 7-1/4 x 1-1/2 x 1/16 - Panel mounting	
15	8237561	-	1	-	-	-	-	INSULATION .. Fibre - 9 x 3 x 1/16 - Panel mounting	
16	8197308	1	-	1	1	1	1	SHUNT .. Ammeter - 50 M.V. - 500 A.	
16	8221444	-	1	-	-	-	-	SHUNT .. Ammeter - 50 M.V. - 1000 A.	
*17	9317472	1	-	-	-	-	-	CONTROL ASY. .. Dynamic brake/battery field - DBBF-4 - See page 25	
*17	9317021	-	-	-	1	-	-	CONTROL ASY. .. Dynamic brake/battery field - DBBF-2 - Cabinet 8382582 only - See page 25	
*18	8415485	1	1	1	1	1	1	CONTACTOR .. Starting - GS - See P.L. 5377	
*19	8357465	1	-	-	-	-	-	CONTACTOR .. Field shunting - FS1	} See P.L. 5408
*19	8332078	-	-	1	-	-	-	CONTACTOR .. Field shunting - FS1	
*19	8419344	-	-	-	2	2	1	CONTACTOR .. Field shunting - FS1A,B	
*19	8365513	-	-	-	-	2	2	CONTACTOR .. Field shunting - FS1A,B	} Formerly Applied See P.L. 5383
20	8345542	-	-	-	2	-	-	CONTACTOR .. Field shunting - FS1A,2B	
21	8336625	-	-	-	2	-	-	CONTACTOR .. Field shunting - FS1B,2A	
22	8332466	1	2	-	2	1	2	CONTACTOR .. Power - S,S1,2,16,2534	} See P.L. 5405
23	8340347	-	-	-	-	1	-	CONTACTOR .. Power - S2534	
24	8334912	3	2	-	2	4	5	CONTACTOR .. Power - B,P1,6,12,34	
24	8366736	-	-	2	-	-	-	CONTACTOR .. Power - P12,34	
25	9318787	2	-	-	2	4	4	BAR .. Bus - 7-3/4 x 2-1/4 x 1/4 copper - Formerly 8348235 aluminum	
25	8405225	-	2	-	-	-	-	BAR ASY. .. Bus - 20-7/8 x 1-1/2 x 9/32 in.	
*26	8254056	-	-	-	-	-	4	CONTACTOR .. AVR CVR GFR LRC - See P.L. 5432	
27	8464117	4	4	4	6	6	6	SWITCH .. Magnetic - RVF12,16,25,34, RVR21,43,52,61 - See P.L. 5426	
28	8367651	4	2	2	4	4	4	BAR .. Bus - Lower - 6-7/8 x 2-1/4 x 1/4 copper	
29	8370335	4	2	2	4	4	4	BAR .. Bus - Upper - "U" shaped - 12 x 2-1/4 x 1/4 copper	
*30	8382692	2	2	2	2	2	2	BAR .. Bus - Rear - 12 x 2-1/4 x 1/4 copper	
31	8464114	2	-	-	1	1	1	SWITCH .. Magnetic - B42,M14,M16	} See P.L. 5426
32	8464113	1	-	-	5	4	4	SWITCH .. Magnetic - B31,43,52, M25,34	
33	8411512	2	2	2	3	2	3	RELAY .. BTR,FTR,SWO,FSR,COLR - See P.L. 4550	
34	8382696	1	1	1	1	1	-	BAR .. Bus - 17-1/4 x 4 x 3/8 copper	
34	8468107	-	-	-	-	-	1	BAR .. Bus - 15-3/4 x 4 x 3/8 copper - Formerly 8382696	
35	8335772	2	2	2	2	2	2	BLOCK .. Insulating - 4 x 3-11/16 x 1-1/4 in.	

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

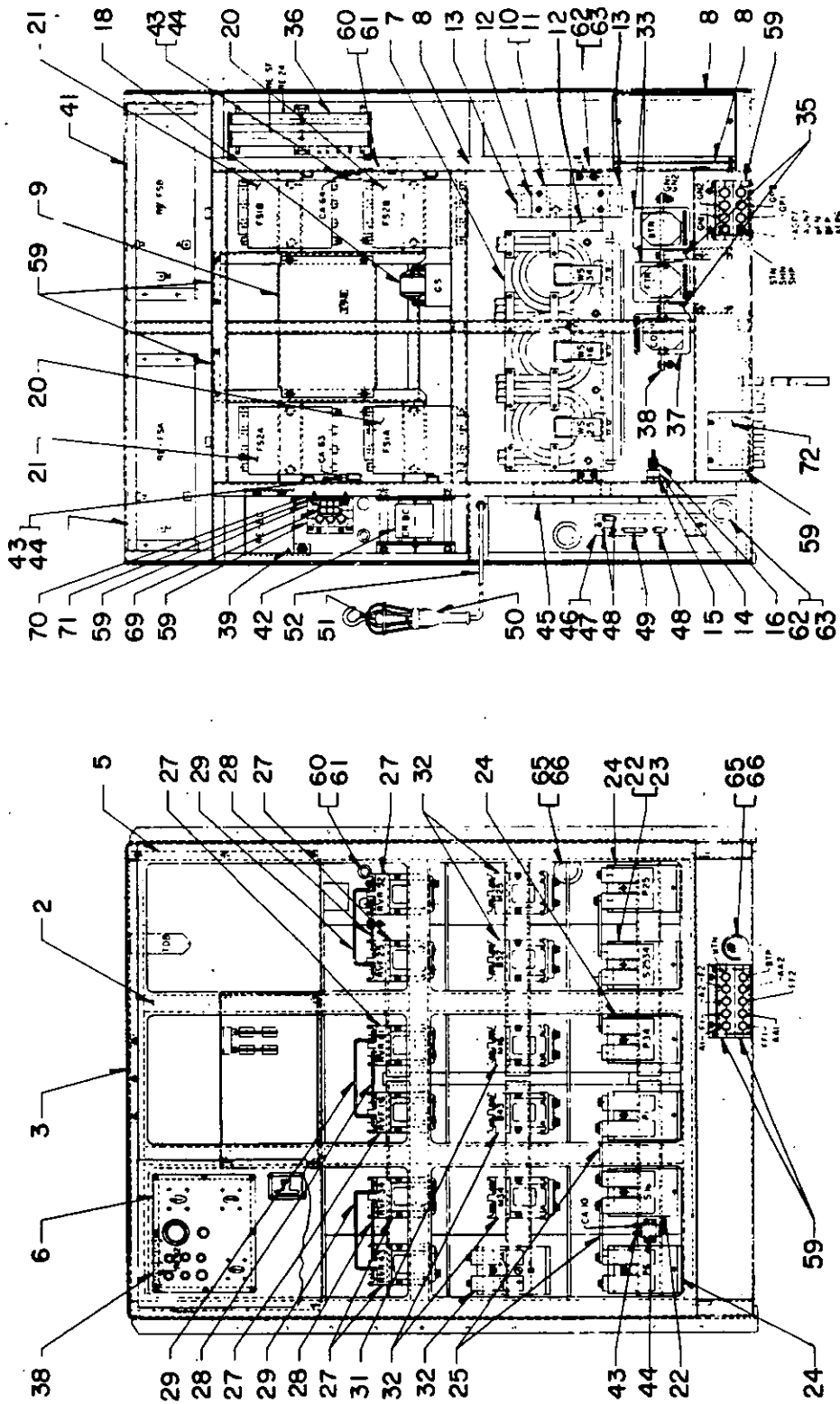
Ref. No.	Part Number	Number Required						Description
		A	B	C	D	E	F	
	-----							CABINET ASY. .. Electrical control
*35A	6921400	.	.	.	1	.	.	BREAKER .. Circuit - T/L power - 150 A.
φ 36	8346354	1	1	.	.	.	.	RESISTOR ASY. .. RE-1 - Shunt field
φ 36	8351275	.	1	.	.	.	.	RESISTOR ASY. .. RE-1 - Shunt field
36	8430509	.	.	1	.	.	.	RESISTOR ASY. .. RE-1 - Shunt field
36	8389653	.	.	.	1	1	.	RESISTOR ASY. .. RE-1 - Shunt field
36	8362811	.	.	.	.	.	1	RESISTOR ASY. .. RE-1 - Shunt field
*37	8395467	1	1	.	.	.	1	RESISTOR ASY. .. RE-2 - 4/4/8 Ohms
*37	8377275	.	.	1	.	.	.	RESISTOR ASY. .. RE-2 - 12/12 Ohms
38	8227212	3	2	2	2	2	2	RESISTOR .. RE-91,92,93 - 275 Ohms
39	8382209	1	1	1	1	1	1	RESISTOR ASY. .. Battery charging - RE-BC
40	8395901	1	.	.	.	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSA
40	8432013	.	.	1	.	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSA
40	9319610	.	.	.	1	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSA - Col. D cabt. 8382582 only - Frmly. 8383115
40	9093940	.	.	.	1	1	.	RESISTOR ASY. .. Motor field shunt - RE-FSA - Col. D cabt. 8415013 only - Frmly. 8414949
40	8386888	.	.	.	.	.	1	RESISTOR ASY. .. Motor field shunt - RE-FSA
41	8395902	1	.	.	.	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSB
41	8432014	.	.	1	.	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSB
41	9319511	.	.	.	1	.	.	RESISTOR ASY. .. Motor field shunt - RE-FSB - Col. D cabt. 8382582 only - Frmly. 8432014
41	9093941	.	.	.	1	1	.	RESISTOR ASY. .. Motor field shunt - RE-FSB - Col. D cabt. 8415013 only - Frmly. 8414950
41	8386889	.	.	.	.	.	1	RESISTOR ASY. .. Motor filed shunt - RE-FSB
φ 42	8416095	1	1	1	1	1	1	RECTIFIER ASY. .. Battery charging - CR-BC - Replaces 8319696 and 8333841 - See P.L. No. 6903
φ 42	8416192	.	.	.	1	.	.	RECTIFIER ASY. .. Batt. charg. - CR-BC - Appl. with 18 K.W. aux. gen.
43	8335911	2	1	1	3	1	2	CAPACITOR .. CA10,63,64
44	8042902	2	1	1	3	1	2	BRACKET .. Capacitor mounting
45	8277744	6	6	6	6	6	6	BOARD .. Terminal - 20 point - Faston connections
46	8253921	1	1	1	1	1	1	BOARD .. Terminal - 20 point - Screw connections
47	8114455	1	1	1	1	1	1	INSULATION .. Terminal board mtg. - 13-3/4 x 2-3/4 x 1/16 in.
48	8078117	4	4	4	3	3	4	BAR .. Bus - Terminal connector - 1-1/8 x .550 x .047 in.
49	8109586	1	1	1	1	1	1	BAR .. Bus - Terminal connector - 3-1/8 x .550 x .047 in.
50	8382692	1	1	1	1	1	1	LIGHT ASY. .. Portable - Lamp not included
51	8094886	1	1	1	1	1	1	LAMP .. Medium screw base - 50 W - 75 Volts
52	8126680	1	1	1	1	1	1	CABLE .. 2 cond. 16 AWG. - 25 ft. roll
*53	8086270	1	1	1	1	1	1	BUSHING .. Strain relief - 1/2 in.
*54	8038594	1	1	1	1	1	1	BUSHING .. Cable - 1/2 in. male
*55	8038584	1	1	1	1	1	1	LOCKNUT .. Conduit - 1/2 in.
*56	8260287	1	1	1	1	1	1	RECEPTACLE .. 2 pole female
*57	8280439	1	1	1	1	1	1	COVER .. Receptacle
*58	-----	As Required						CABLE .. Electrical cabinet
59	-----	As Required						CLEAT .. Cable support
60	8038645	2	2	2	2	2	2	BUSHING .. Cable - 1 in. male
61	8038596	2	2	2	2	2	2	BUSHING .. Cable - 1 in. female
62	8038648	1	2	1	2	2	2	BUSHING .. Cable - 2 in. male
63	8038599	1	2	1	2	2	2	BUSHING .. Cable - 2 in. female
64	8038649	2	1	3	2	2	1	BUSHING .. Cable - 2-1/2 in. male
65	8038600	2	1	3	2	2	1	BUSHING .. Cable - 2-1/2 in. female
*66	8332580	1	1	.	.	.	1	GROMMET .. Strip - .131 I.D. x .220 O.D. x 12-3/4 in. long
*67	8324100	As Required						SEAL .. Panel mtg. - 1/8 x 1/2 in. - Sold per ft. (55 ft. required)
*68	8168459	1	.	.	1	.	1	CLAMP .. Cable - 1-3/4 in. - Insulated
69	6917552	1	.	.	.	.	.	STRIP .. Cable - "U" type - 1-7/8 x 1-3/4 in. opening
69	8257779	.	.	.	1	.	1	CLAMP .. Cable - "U" type - 2-3/4 x 1-11/16 in. opening
70	6917545	1	.	.	.	.	.	INSULATION .. Clamp - Flat type - 4-1/4 x 2 x 1/16 fiber
70	8209328	.	.	.	1	.	1	INSULATION .. Clamp - Flat type - 5-1/8 x 1-1/2 x 1/16 fiber
71	6917553	1	.	.	.	.	.	INSULATION .. Clamp - "U" type - 1-3/4 x 1-3/4 in. opening
71	8257781	.	.	.	1	.	1	INSULATION .. Clamp - "U" type - 2-5/8 x 1-11/16 in. opening
72	8382705	.	.	1	1	1	1	COVER .. Sheet - "L" type - 7-1/4 x 5-1/2 x 16 ga.
*73	8382704	.	.	1	1	1	1	COVER .. Sheet - 15 x 6 x 16 ga.

See P.L.
6902Formerly
Applied

See P.L. 9106

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET



Ref. No. 1
PLATE C3243-E-3

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Electrical Control Cabinet Frame Assembly
 G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives
 PLATE A3243-E-4 and 5

Ref. No.	Part Number	Number Required					Description	Locomotive Application
		A	B	C	D	E		
1	8414882	1	-	-	-	-	FRAME ASY. .. Equip. mtg. - Incl. doors	GA18
2	8395869	-	1	-	-	-	FRAME ASY. .. Equip. mtg. - Incl. doors	G18U,G18W
* 3	8364531	-	-	1	-	-	FRAME ASY. .. Equip. mtg. - Incl. doors	G22U,G22CU GL22C,G26CU
* 4	8391421	-	-	-	1	-	FRAME ASY. .. Equip. mtg. - Incl. doors	G22W,G22CW
* 4A	8421356	-	-	-	-	1	FRAME ASY. .. Equip. mtg. - Incl. doors	G26CW
5	8386489	6	10	10	10	10	PLATE .. Name - "600 V."	

CAB SIDE .. Access Doors - See Plate A3243-E-4

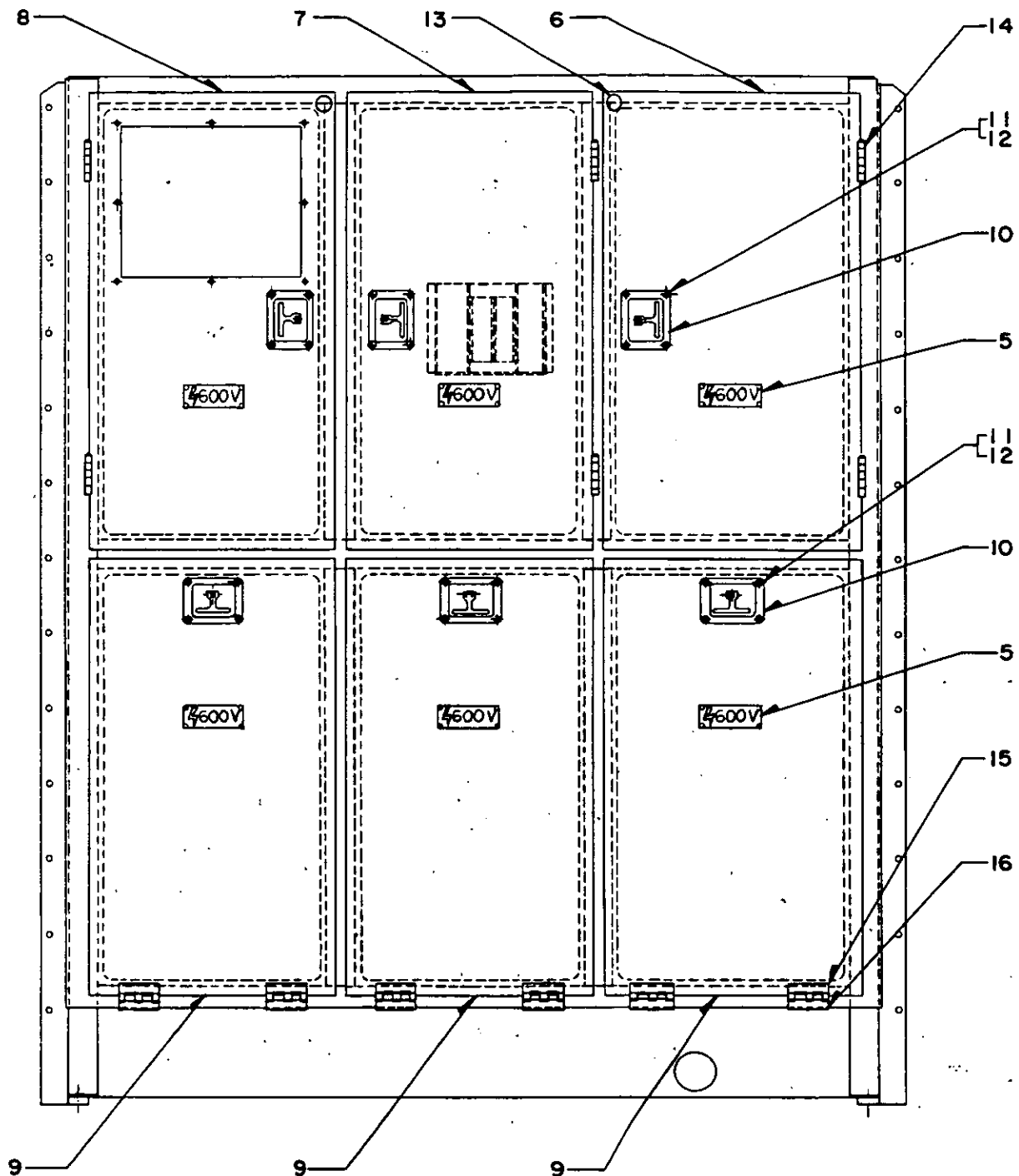
6	8367461	1	1	1	1	1	DOOR ASY. .. Top - Right side - 35-3/8 x 18-9/16	
7	8367462	1	1	1	1	1	DOOR ASY. .. Top - Ctr. - Incl. fuse hldr. - 35-3/8 x 18-9/16	
8	8388508	1	1	1	1	1	DOOR ASY. .. Top - Left side - 35-3/8 x 18-9/16	
9	8367452	3	3	3	3	3	DOOR ASY. .. Bottom - 33-3/8 x 18-9/16	
10	8224696	6	6	6	6	6	LATCH .. "T" handle	
11	155193	24	24	24	24	24	SCREW .. 10-32 x 1/2 rnd. head - Cross recess	
12	8035122	24	24	24	24	24	NUT .. Lock - 10-32 hex.	
13	8399904	2	2	2	2	2	BUMPER .. Top right and left doors	
14	8314503	6	6	6	6	6	HINGE .. Door - Incl. pin - Welded to door and frame	
15	8206727	6	6	6	6	6	HINGE .. Loose joint - Incl. pin - Welded to bottom door	
16	8309353	6	6	6	6	6	CLIP .. Half hinge - Welded to frame	

ENGINE SIDE .. Cover Assemblies - See Plate A3243-E-5

17	8414959	1	-	-	-	-	COVER ASY. .. Left side - Bottom - 29-5/8 x 21-1/2	
18	8380845	-	1	1	1	1	COVER ASY. .. Side - Left bottom - 31-3/4 x 17-3/8	
19	8031902	2	2	2	2	2	HANDLE .. Cover	
20	8414960	1	-	-	-	-	COVER .. Right side - Bottom - 44-3/8 x 28-7/8	
21	8414958	1	-	-	-	-	COVER .. Top - Center - 22 x 9-1/2	
22	8380728	-	4	4	-	-	DOOR ASY. .. Top and bottom center - 29-5/8 x 20-1/8	
*23	8391155	-	-	-	4	4	DOOR ASY. .. Top and bottom center - 25-1/4 x 20-1/8	
24	8374866	-	4	4	4	4	LOCK ASSEMBLY	
25	157125	-	16	16	16	16	SCREW .. 10-32 x 5/8 oval head - Cross recess	
26	8035122	-	16	16	16	16	NUT .. Lock - 10-32 hex.	
27	8310808	-	8	8	8	8	HINGE .. Loose joint - Welded to door	
28	8369962	-	8	8	8	8	CLIP .. Half hinge - Welded to frame	
29	8395731	-	1	-	-	-	COVER .. Left side - Bottom - 27 x 8-3/4	
*30	8380820	-	-	1	1	1	COVER .. Left side - Bottom - 32 x 8-3/4	
31	8399226	-	1	1	1	1	COVER .. Right side - Bottom - 31-1/2 x 8-3/4	
32	8406760	-	1	-	-	-	COVER .. Side - Left top - 17 x 13-5/8	
33	8406759	-	1	-	-	-	COVER .. Side - Right top - 17 x 13-5/8	
34	8399227	-	2	2	2	2	COVER .. Side - Left and right center - 28 x 17	
35	8399228	-	1	1	1	1	COVER .. Side - Right bottom - 32-1/2 x 17	
36	8414957	2	-	-	-	-	SCREEN .. Top - Left and right - 26-1/4 x 18	
37	8367450	-	2	2	-	-	SCREEN .. Top - Left and right - 29 x 10-1/8	
38	8391158	-	-	-	2	2	SCREEN .. Top - Left and right - 29 x 18-7/8	
39	8414956	1	-	-	-	-	SCREEN .. Center - Left - 29-1/8 x 26-1/4	
40	8398336	-	2	1	-	-	SCREEN .. Center - Left and right - 32-1/2 x 8-3/4	
41	8406510	-	1	1	-	-	SCREEN .. Ctr. - L.S. - For dyn.brk.appl. 32-1/2 x 8-3/4	
*42	8398337	-	-	-	1	2	SCREEN .. Center - 23-3/4 x 8-3/4	
*43	8402436	-	-	-	1	-	SCREEN .. Center - Right - 23-3/4 x 8-3/4	
*44	8399225	-	-	2	2	2	SCREEN .. Side - Left and right stop - 17 x 16	
++45	8133198	As Required					TAPE .. Press. sensitive - 3/4 x 1/16 - 100 ft. roll - 32 ft. req'd.	
++46	8324100	As Required					WEATHERSTRIP .. Rubber - Sold per foot - 55 ft. required	

P.L. No. D3243-E

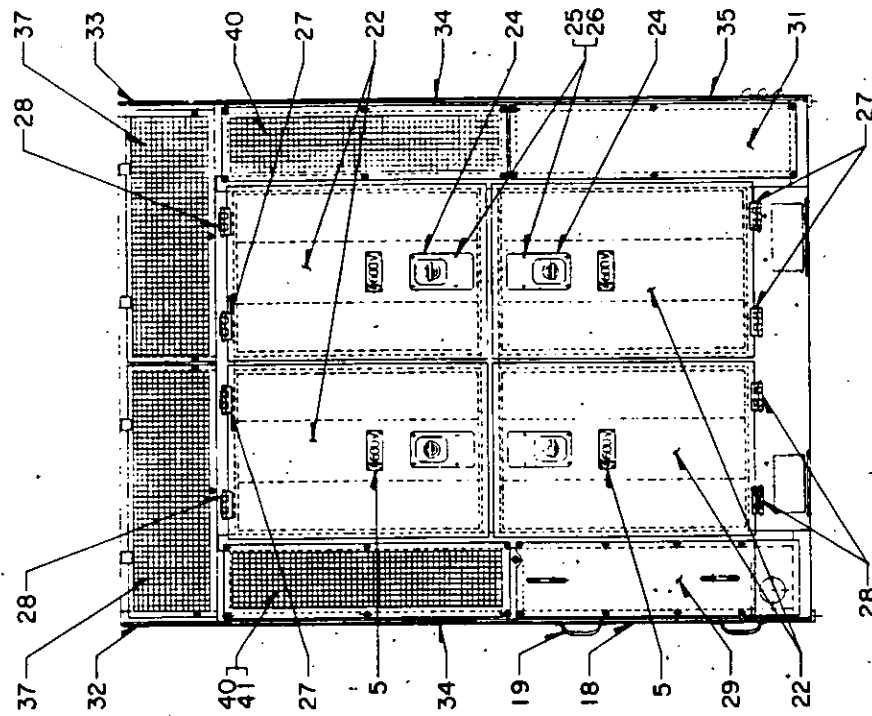
ELECTRICAL CONTROL CABINET



Cab Side

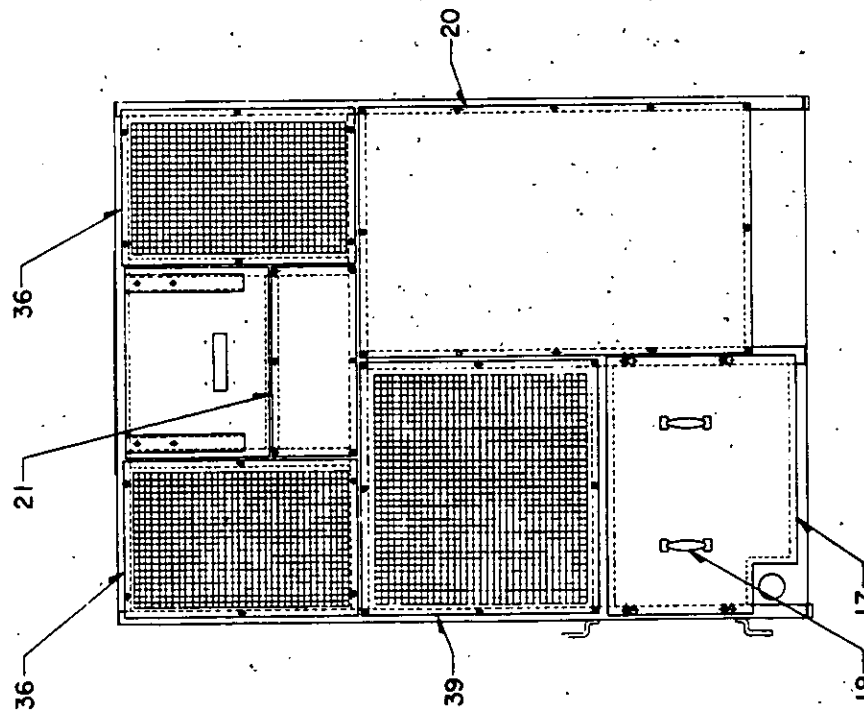
Ref. Nos. 1 and 2
PLATE A3243-E-4

ELECTRICAL CONTROL CABINET



Ref. No. 2

Engine Side



Ref. No. 1

PLATE A3243-E-5

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Electrical Control Cabinet Frame Assembly

G22W Locomotives

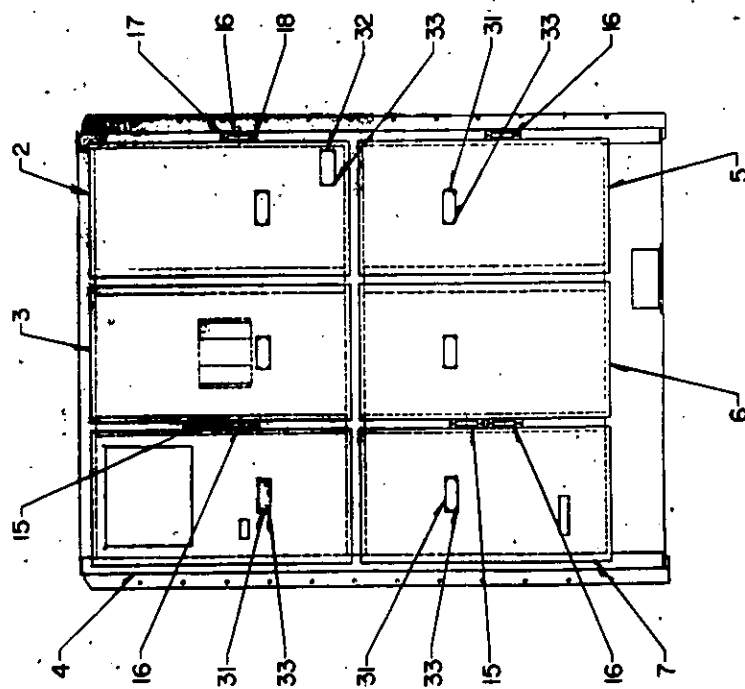
PLATE C3243-E-6

Ref. No.	Part Number	No. Req.	Description	
1	9325953	1	FRAME ASY. .. Equipment mounting - Includes doors	
2	9325945	1	DOOR ASY. .. Top - Right side - 34-7/8 x 18-3/8 in.	} Cab Side
3	9325940	1	DOOR ASY. .. Top - Ctr. - Incl. fuse hldr. - 34-7/8 x 18-3/8 in.	
4	9325961	1	DOOR ASY. .. Top - Left side - 34-7/8 x 18-3/8 in.	
5	9325944	1	DOOR ASY. .. Bottom - Right side - 33-1/2 x 18-3/8 in.	
6	9325955	1	DOOR ASY. .. Bottom - Center - 33-1/2 x 18-3/8 in.	
7	9325947	1	DOOR ASY. .. Bottom - Left side - 33-1/2 x 18-3/8 in.	
8	9325943	4	DOOR ASY. .. 24-3/4 x 17-1/2 in. - Engine side	

The quantities listed for Ref. Nos. 9 thru 12 are applicable to each of the above Doors, unless otherwise specified.

* 9	8461173	2	BLOCK .. Hinge	} Not Appl. to Ref. No. 8
*10	180016	4	BOLT .. Hinge block mounting - 1/4 - 20 x 1/2 hex. head	
*11	8424718	1	PIN .. Latch - Welded to door - Qty. (2) required for Ref. No. 8	
*12	8421197	AR	SEAL .. Rubber - 1-1/4 x 3/8 in. - Sold per foot Approx. 102 in. required for Ref. Nos. 2,3 and 4 Approx. 99 in. required for Ref. Nos. 5,6 and 7 Approx. 78 in. required for Ref. No. 8	
13	8031902	1	HANDLE .. Door - Appl. to Ref. No. 8 only	
14	8461174	12	PIN .. Door hinge	
15	8425277	6	LATCH ASY. .. Door - Right hand	
16	8425276	8	LATCH ASY. .. Door - Left hand	
17	9420499	14	SCREW .. Tapping - 10-24 x 1/2 pan head - Cross recess	
18	6101065	14	SCREW .. 10-24 x 1/2 fil. head - No. 55 hole drilled in head	
19	8380845	1	COVER ASY. .. Side - Left bottom - 31-3/4 x 17-3/8 in.	
20	8031902	2	HANDLE .. Cover	
21	9325267	1	COVER .. Side - Left center - 21 x 17 in.	
22	8399227	1	COVER .. Side - Right center - 28 x 17 in.	
23	8399228	1	COVER .. Side - Right bottom - 32-1/2 x 17 in.	
24	8399226	1	COVER .. Engine side - Right bottom - 31-1/2 x 8-3/4 in.	
25	8399225	2	SCREEN .. Side - Left and right top - 17 x 16 in.	
26	8391158	2	SCREEN .. Engine side - Top left and right - 29 x 18-7/8 in.	
27	9325280	1	SCREEN .. Engine side - Left center - 16-3/4 x 8-3/4 in.	
28	8398337	1	SCREEN .. Engine side - Right center - 23-3/4 x 8-3/4 in.	
29	9419646	48	SCREW .. Tapping - 1/4 - 20 x 5/8 hex. washer head	
30	8367456	10	CLIP .. Cover and screen retaining - Welded to frame	
31	8283254	10	PLATE .. Name - Arabic markings - Danger - 600 Volts	
32	9326069	1	PLATE .. Name - Arabic markings - Train lighting - Mainline 74 V.D.C.	
33	145369	44	SCREW .. Drive - No. 4 - Name plate mounting	

ENGINE SIDE



CAB SIDE

Ref. No. 1
PLATE C3243-E-6

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Main Control Panel Assemblies
G18U, G18W, GA18, G22U, G22W, G22CU, G22CW, GL22C, G26CU and G26CW Locomotives

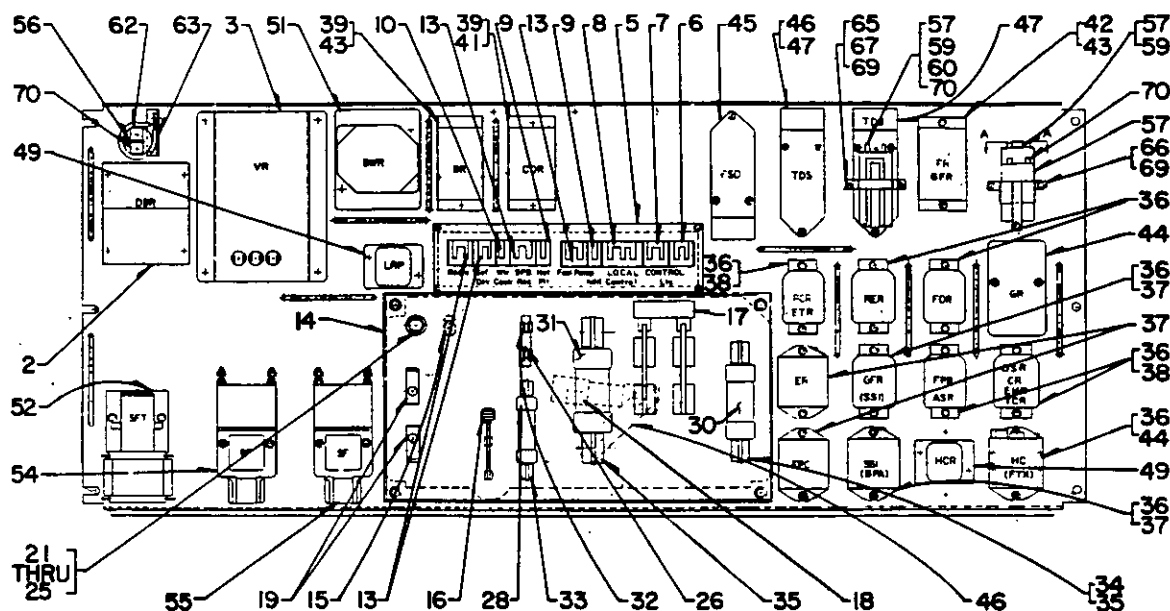


PLATE C3243-E-7

Ref. No.	Part Number	Number Required													Description	Locomotive Application
		A	B	C	D	E	F	G	H	J	K	L	M			
* 1	8395616	1	-	-	-	-	-	-	-	-	-	-	-	PANEL ASY. .. Main control	G18U	
* 1	8445771	-	1	-	-	-	-	-	-	-	-	-	-	PANEL ASY. .. Main control	G18U	
* 1	8404931	-	-	1	-	-	-	-	-	-	-	-	-	PANEL ASY. .. Main control	G18W	
* 1	8414361	-	-	-	1	-	-	-	-	-	-	-	-	PANEL ASY. .. Main control	GA18	
* 1	8430529	-	-	-	-	1	-	-	-	-	-	-	-	PANEL ASY. .. Main control	G22U	
* 1	8391079	-	-	-	-	-	1	-	-	-	-	-	-	PANEL ASY. .. Main control	G22W	
* 1	9324311	-	-	-	-	-	-	1	-	-	-	-	-	PANEL ASY. .. Main control	G22W	
* 1	8382825	-	-	-	-	-	-	-	1	-	-	-	-	PANEL ASY. .. Main control	G22CU, GL22C	
* 1	8460820	-	-	-	-	-	-	-	-	1	-	-	-	PANEL ASY. .. Main control	G22CU	
* 1	8387829	-	-	-	-	-	-	-	-	-	1	-	-	PANEL ASY. .. Main control	G22CW	
* 1	8468112	-	-	-	-	-	-	-	-	-	-	1	-	PANEL ASY. .. Main control	G22CW	
* 1	8386668	-	-	-	-	-	-	-	-	-	-	-	1	PANEL ASY. .. Main control	G26CU	
* 1	8419954	-	-	-	-	-	-	-	-	-	-	-	1	PANEL ASY. .. Main control	G26CW	

Components of Panel Assemblies listed in the same column are the same unless otherwise specified.

2	8467161	1	-	-	1	-	1	-	1	-	-	1	1	REGULATOR .. Dyn. brk.-Repl. 8305972 - See P.L. 4508
3	8330790	1	1	1	1	1	1	-	1	1	1	1	1	REGULATOR .. Voltage - VR - See P.L. 4523
* 4	8484755	-	-	-	-	-	-	-	-	-	-	1	-	REGULATOR .. Current - Two receiver
5	8383414	1	1	1	1	1	1	1	1	1	1	1	1	PANEL ASY. .. Circuit breaker
6	8458724	1	1	1	1	1	1	1	1	1	1	1	1	BREAKER .. Circuit - Lights - D.P. - 30A.
7	8458738	1	1	1	1	1	1	1	1	1	1	1	1	BREAKER .. Circuit - Control - D.P. - 40A.
8	8458742	1	1	1	1	1	1	1	1	1	1	1	1	BREAKER .. Circuit - Loc. cont. - 3P. - 30A.
9	8458699	2	1	1	2	1	2	1	2	2	1	1	1	BREAKER .. Circuit - Headlight - Hot plate - S.P. - 30A.
10	8458698	-	-	1	-	-	1	-	1	-	-	1	2	BREAKER .. Circuit - Water cooler - Signal light - ATS - S.P. - 15A.
*11	8458695	-	-	-	-	-	-	-	-	-	-	-	1	BREAKER .. Circuit - E.P. loop - S.P. - 5A.
*12	8458697	-	-	-	-	-	-	-	-	-	-	-	1	BREAKER .. Circuit - E.P. cont. - S.P. - 10A.
13	8458739	1	1	3	1	1	3	1	1	2	1	2	1	BREAKER .. Circuit - Fuel pump - Radio - Auto. drain timer - Elec. siren - Safety devices - Speed rec. - D.P. - 15A.

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required													Description
	----	A	B	C	D	E	F	G	H	J	K	L	M		
														PANEL ASY. .. Main control	
ø 14	8333114	1	1	1	1	1	1	1	1	1	1	1	1	PANEL ASY. .. Fuse and switch	
ø 14	8486728	-	-	-	-	-	1	-	1	1	-	-	-	PANEL ASY. Fuse and switch	
Ref. Nos. 15 thru 35 are applicable to each Ref. No. 14 unless otherwise specified.															
15	8172209	1	1	1	1	1	1	1	1	1	1	1	1	SWITCH .. Fuse test - S.P. - S.T. - 80A. - 125V.	
16	8280178	1	1	1	1	1	1	1	1	1	1	1	1	SWITCH .. Ground - S.P. - S.T. - 30A. - 125 V.	
17	8280185	1	1	1	1	1	1	1	1	1	1	1	1	SWITCH .. Battery - D.P. - S.T. - 400A. - 250V.	
18	8118495	1	1	1	1	1	1	1	1	1	1	1	1	SHUNT .. Batt. chrg. ammeter - 300A. - 75 MV.	
19	8112684	2	2	2	2	2	2	2	2	2	2	2	2	BLOCK .. Fuse test	
20	8184108	1	1	1	1	1	1	1	1	1	1	1	1	BAR .. Bus - 5-21/32 x 1-1/4 x 1/4 - Copper	
21	8088472	1	1	1	1	1	1	1	1	1	1	1	1	RECEPTACLE .. Lamp - Incl. leads	
22	8087887	1	1	1	1	1	1	1	1	1	1	1	1	BUSHING .. Insulating - Mounting	
23	9335530	1	1	1	1	1	1	1	1	1	1	1	1	RECEPTACLE ASY. .. Lamp - Includes leads - Currently applied	
24	8088358	1	1	1	1	1	1	1	1	1	1	1	1	NUT .. Insulating - Receptacle mounting	
25	8190621	1	1	1	1	1	1	1	1	1	1	1	1	LAMP .. Dbl. contact bayonet base - 30 W.	
26	8004548	1	1	1	1	1	1	1	1	1	1	1	1	FUSE .. Aux. gen. field - 30A. - 250V.	
*27	8127050	1	-	1	-	-	1	-	1	-	-	1	1	FUSE .. Cab heater - 70A. - 250V.	
28	8004570	1	1	1	1	1	1	1	1	1	1	1	1	FUSE .. Battery field - 80A. - 250V.	
*29	8004545	-	-	-	-	-	1	-	1	-	-	-	1	FUSE .. Battery chg. - 100A. - 250V.	
30	8004544	1	1	1	1	1	1	1	1	1	1	1	1	FUSE .. Auxiliary generator - 150A. - 250V. - Appl. to 8333114 only	
30	8269046	-	-	-	-	-	1	-	1	1	-	-	-	FUSE .. Auxiliary generator - 250A. - 250V. - Appl. to 8486728 only	
31	8060582	1	1	1	1	1	1	1	1	1	1	1	1	FUSE .. Starting - 400A. - 250V.	
32	8280184	2	2	2	2	2	2	2	2	2	2	2	2	HOLDER .. Aux. gen. field fuse	
33	8280180	4	2	4	2	2	4	2	4	2	2	4	4	HOLDER .. Cab heater, battery field, battery charging fuse	
34	8280181	2	2	2	2	2	2	2	2	2	2	2	2	HOLDER .. Aux. generator fuse - Not appl. to 8486728 panel	
35	8280182	2	2	2	2	2	4	2	4	4	2	2	2	HOLDER .. Aux. gen. (8486728 Panel), starting fuse	
36	8357415	4	3	3	4	3	4	4	3	2	2	6	3	RELAY .. ASR, ETR, FOR, FTX, GFR, LWR, OSR, P3A, PCR, RER, BFA	
37	8357416	4	1	2	3	2	5	2	6	5	3	3	6	RELAY .. ER, FPC, GFR, P25A, RVRA, SS1, SS2, SS3	
37	8357417	-	-	-	-	-	1	2	-	-	-	-	-	RELAY .. SS1, FPC	
38	8363168	3	-	4	1	1	2	6	2	2	3	5	3	RELAY .. CCR, CR, CRL, EHR, FPR, NIR, OSR, PCR, RVX, TCR, VBR	
39	8357418	-	1	1	-	-	2	1	-	1	-	-	1	RELAY .. COR, FOR, BR	
40	8361775	-	-	-	-	-	-	1	1	-	-	-	-	RELAY .. Col. G: P3A, Col. H (8460820 only): COR	
41	8367084	-	-	-	-	-	-	-	-	-	1	-	-	RELAY .. COR	
42	8361774	-	-	-	-	-	-	-	-	-	-	1	-	RELAY .. GFR	
42	8369154	-	-	-	-	-	1	2	-	-	-	-	-	RELAY .. GFR	
43	8363130	2	1	1	-	-	1	-	2	-	-	1	-	RELAY .. BR, PR	
ø 43	8364294	-	-	-	-	-	1	-	-	-	-	-	-	RELAY .. PR	
ø 43	8364908	-	-	-	-	-	1	1	-	1	-	1	-	RELAY .. PR, BR	
44	8398705	1	-	-	-	-	-	-	-	-	-	-	-	RELAY .. HC	
ø 44	8360045	1	1	1	1	1	1	1	1	1	1	1	1	RELAY .. Ground - GR	
ø 44	8361776	-	-	-	-	-	1	-	-	-	-	-	-	RELAY .. Ground - GR	
45	8272600	1	1	-	1	1	1	2	1	1	1	1	1	RELAY .. Time delay - FSD, VCTD	
ø 46	8276599	1	-	1	1	1	1	1	1	1	1	1	1	RELAY .. Time delay - TDS	
ø 47	8276598	1	-	-	-	-	1	-	2	-	1	2	-	RELAY .. Time delay - TDB, TDS, TDW	
*48	8427842	-	-	-	-	-	1	1	1	-	-	1	-	RELAY .. Time delay - TDR	
49	8327263	2	-	-	2	-	1	-	1	-	-	1	1	RELAY .. Micropositioner - HCR, LRP	
*50	8334954	-	-	-	-	1	-	-	-	-	-	1	-	RELAY .. Micropositioner - VLR	

Formerly Applied

See P.L. 5452

See P.L. 5352

See P.L. 5496

See P. 5440

Formerly
AppliedSee P.L.
5440

See P.L. 5452

See P.L.
5352See P.L.
5496

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required												Description
-	----	A	B	C	D	E	F	G	H	J	K	L	M	PANEL ASY. .. Main control
51	8277235	1	-	-	1	-	1	-	1	1	-	1	1	RELAY .. Brake warning - BWR - See P.L. 5451
52	8188947	1	-	-	1	-	1	-	1	1	-	1	1	RELAY .. Shunt field trans. - SFT - See P.L. 5345
*53	8454412	-	-	-	-	-	-	-	1	-	-	-	-	RELAY .. Wheel slip - WSR - See P.L. 5394
54	8294080	1	1	1	1	1	1	1	1	1	1	1	1	CONTACTOR .. Battery field
55	8254055	1	1	1	-	1	1	1	1	1	1	1	1	CONTACTOR .. Shunt field } See P.L. 5432
56	8134235	1	-	-	1	-	1	-	1	1	-	1	1	CAPACITOR .. CA30 - 150 MFD - 200 V.D.C.
57	8226342	1	1	-	-	-	2	2	1	2	2	1	2	CAPACITOR .. 500 MFD - 200 V.D.C. CA31 - Columns A, B, F, G, M CA32 - Columns F, G, H, J, K, L, M CA33 - Columns J, K
*58	8130632	-	-	-	-	-	-	-	-	-	-	1	-	CAPACITOR .. CA31 - 10 MFD - 600 V.D.C.
59	8225149	1	1	-	-	-	1	1	1	1	1	1	-	CAPACITOR .. 1000 MFD - 150 V.D.C. CA31 - Columns H, J, K CA32 - Columns A, B CA33 - Column L CA34 - Columns F, G
60	8311501	-	1	-	1	-	1	1	-	-	-	-	2	CAPACITOR .. 200 MFD - 300 V.D.C. CA33 - Columns B, D, F, G, M CA34 - Column M
61	8335911	-	-	-	2	-	-	-	-	-	-	-	-	CAPACITOR .. CA51, 63 - 1 MFD - 600 V.D.C.
62	8168459	1	-	-	1	-	1	-	1	1	-	1	1	CLAMP .. Insulated - CA30 mounting
63	8375386	1	-	-	1	-	1	-	1	1	-	1	1	ANGLE .. Clamp mounting
*64	8314485	-	-	-	-	-	-	-	-	-	-	1	-	BRACKET .. CA31 mounting
65	8215394	-	1	-	-	-	-	-	-	1	1	-	-	BRACKET .. CA33 mounting
65	8311554	-	-	-	1	-	-	-	-	-	-	-	-	BRACKET .. CA33 mounting
66	8247048	1	1	-	-	-	1	1	1	1	1	1	1	BRACKET .. CA31, 32 mtg. (Except Col. L) - Col. L: CA32, 33 mounting
67	8408230	-	-	-	-	-	1	1	-	-	-	-	-	BRACKET .. CA33, 34 mounting
67	8315725	-	-	-	-	-	-	-	-	-	-	-	1	BRACKET .. CA33, 34 mounting
*68	8412375	-	-	-	1	-	-	-	-	-	-	-	-	BRACKET .. CA51, 63 mounting
69	8435389	1	1	-	-	-	1	1	1	1	1	2	2	INSULATION .. Capacitor to bracket - Appl. with ref. nos. 64, 66 and 67
70	8276560	6	6	-	4	-	10	8	6	8	6	6	10	TAB .. Connection - "U" type - Two wire
*71	8431594	-	-	-	-	1	-	-	-	-	-	1	-	PANEL ASY. .. Volt. limit - See page 28
*72	8218665	-	-	-	-	-	1	-	1	-	1	-	1	RECEPTACLE .. Battery charging - 100A.
*73	8116406	-	-	-	-	-	1	-	1	-	1	-	1	INSULATION ASY. .. Contact
*74	8203474	-	-	-	-	-	1	-	1	-	1	-	1	INSULATION .. Right side
*75	8203473	-	-	-	-	-	1	-	1	-	1	-	1	INSULATION .. Left side
*76	8116407	-	-	-	-	-	1	-	1	-	1	-	1	CONTACT .. Brass shell
*77	8116408	-	-	-	-	-	1	-	1	-	1	-	1	CONTACT .. Center
*78	8280051	-	-	-	-	-	1	-	1	-	1	-	1	SPACER .. Mounting - 3 I.D. x 3-1/2 O.D. - Copper
*79	8365499	-	-	-	-	-	1	-	-	-	-	-	-	TIMER .. Elect. thermal - EBT - See P.L. 4530
*80	-----	As Required												CABLE .. Main control panel - See P.L. 9106

† Shunt Field Transfer Relay 8188947 is applicable to Column H Panel Assembly 8382825 only. Wheel Slip Relay 8454412 is applicable to Column H Panel Assembly 8460820 only.

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

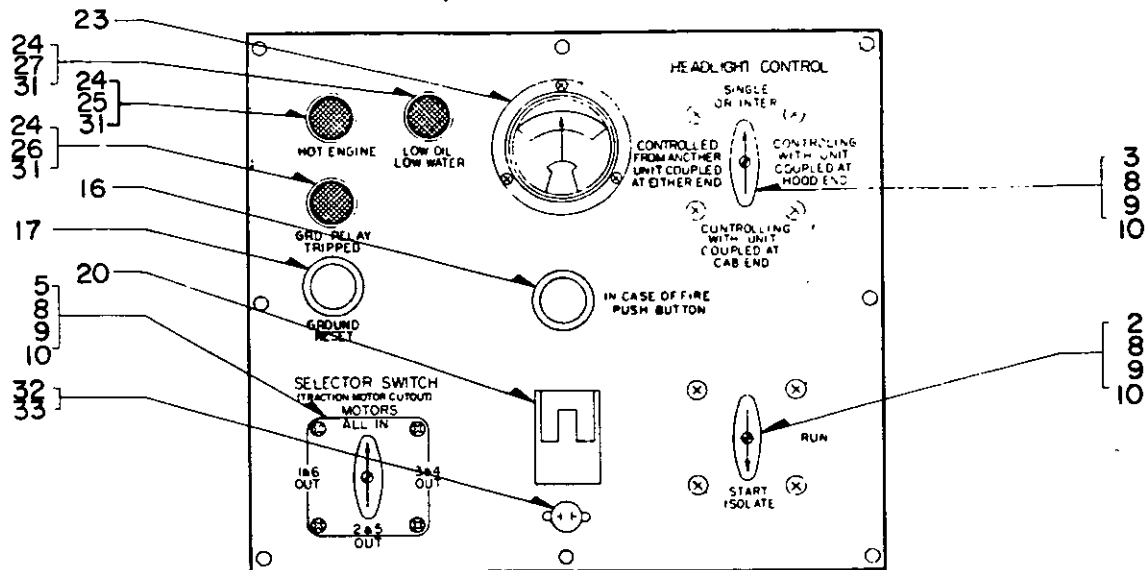
Engine Control Panel Assemblies
G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

PLATE C3243-E-8

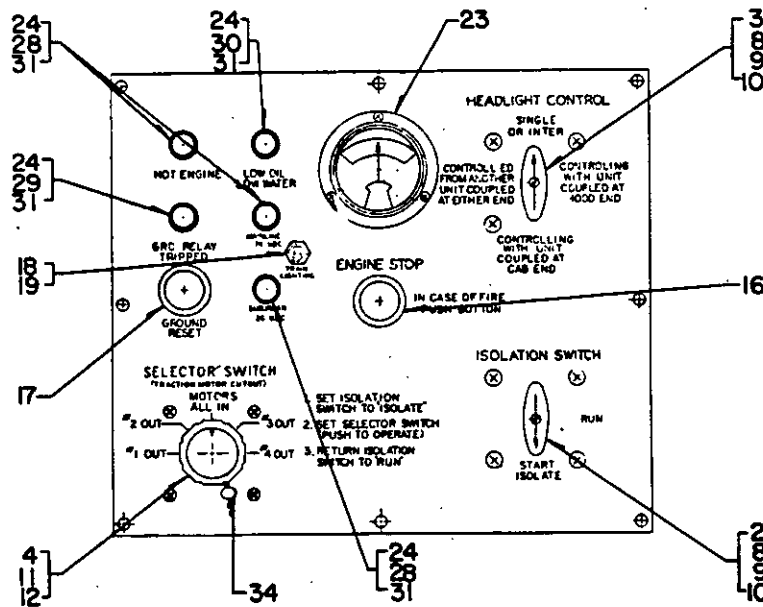
Ref. No.	Part Number	Number Required					Description	Locomotive Application
		A	B	C	D	E		
* 1	8395615	1	-	-	-	-	PANEL ASY. .. Engine control	GA18,G18U,G18W G22U,G22W,G22CU,G22CW,GL22C, G26CU,G26CW
1	8382857	-	1	-	-	-	PANEL ASY. .. Engine control	
1	9326034	-	-	1	-	-	PANEL ASY. .. Engine control	
* 1	8460821	-	-	-	1	-	PANEL ASY. .. Engine control	
* 1	8468238	-	-	-	-	1	PANEL ASY. .. Engine control	G22W G22CU G22CW
2	8330988	1	1	1	1	1	SWITCH .. Rotary - 8 pole - 2 pos. - Isolation	
3	8243533	1	1	1	1	1	SWITCH .. Rotary - 4 pole - 4 pos. - Headlight control	
φ 4	8402130	1	1	1	-	-	SWITCH .. Rotary - 5 pos. - Sol. actuated - Traction motor cut-out	
φ 4	8366391	-	1	-	-	1	SWITCH .. Rotary - 4 pos. - Sol. actuated - Traction motor cut-out	
φ 5	8366108	-	1	-	1	-	SWITCH .. Rotary - 16 sect. - 4 pos. - Traction motor cut-out	
* 6	8441983	-	1	-	-	-	SWITCH .. Rotary - 6 pole - 3 pos. - Fuel prime/engine start	
* 7	8277638	-	1	-	-	-	SWITCH .. Rotary - 2 pole - 2 pos. - Terminal lighting	
8	8193318	2	4	2	3	2	HANDLE .. Switch - 3/8 O.D. shaft	} Appl. to Ref. Nos. 2,3,5 and 7
9	132037	2	4	2	3	2	SCREW .. Handle mtg. - 10-24 x 7/16 fil. hd.	
10	8256115	2	4	2	3	2	WASHER .. Lock - No. 10	
11	8370663	1	1	1	-	1	HANDLE .. Switch - 1/4 in. sq. shaft	} Appl. to Ref. No. 4
12		1	1	1	-	1	SCREW .. Handle mounting	
*13	8189077	-	1	-	-	-	HANDLE .. Switch - 1/4 in. O.D. shaft	} Appl. to Ref. No. 6
*14	8168346	-	1	-	-	-	SCREW .. Handle mtg. - 1/8 - 40 x 11/32 round hd.	
*15	131181	-	1	-	-	-	WASHER .. Lock - No. 6	
16	8384650	1	1	1	1	1	SWITCH .. Push button - 2 N.C. - Engine stop	
17	8230431	1	1	1	1	1	SWITCH .. Push button - 1 N.O. - 1 N.C. - Ground reset	
18	8433015	-	-	1	-	-	SWITCH .. Toggle - D.P. - D.T. - Train lighting	
19	8377850	-	-	1	-	-	DISC .. Toggle switch locating	
20	8458728	1	1	-	-	-	BREAKER .. Circuit - 2 Amp. - D.P. - Alertor - Replaces 8370221	
*21	8306503	1	1	-	-	-	METER .. Engine hour - 99,999 max. total hours display	
*22	9321950	-	1	-	-	-	VOLTMETER .. D.C. - Battery charging - 0-100 Volts	
φ 23	8295501	1	1	1	1	1	AMMETER .. Battery chrg. - Red - Green scale	} 75-0-75 MV. Deflection
φ 23	8312363	-	1	-	-	1	AMMETER .. Battery chrg. - 300-0-300 A. scale	
24	8140357	3	3	-	3	3	LAMP .. Single contact bayonet base - 6 Volt - Formerly applied	
24	8421182	3	4	5	3	3	LAMP .. Slide base - 48 Volt - Currently applied	
25	8287291	1	1	-	1	1	LENS .. Red - Convex faceted glass - Bayonet cap	} Formerly Applied
26	8331057	1	1	-	1	1	LENS .. White - Convex faceted glass - Bayonet cap	
27	8331059	1	1	-	1	1	LENS .. Amber - Convex faceted glass - Bayonet cap	
28	8438424	1	1	3	1	1	LENS .. Red - Plastic dome - Female threaded	} Currently Appl.
29	8438428	1	2	1	1	1	LENS .. White - Plastic dome - Female threaded	
30	8438426	1	1	1	1	1	LENS .. Amber - Plastic dome - Female threaded	
31	8306534	3	3	-	3	3	HOLDER .. Lamp - Single contact bayonet base - Formerly applied	
31	8438423	3	4	5	3	3	HOLDER .. Lamp - Incl. 2 watt, 1000 Ohm resistor - Currently applied	
32	8260287	1	1	-	-	-	RECEPTACLE .. Female - 2 pole - 74 V.D.C.	
33	8315299	1	1	-	-	-	SEAL .. Receptacle	
34	8164049	-	-	1	-	-	SEAL .. Includes wire - Traction motor cut-out switch	

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. B



Ref. No. 1, Col. C

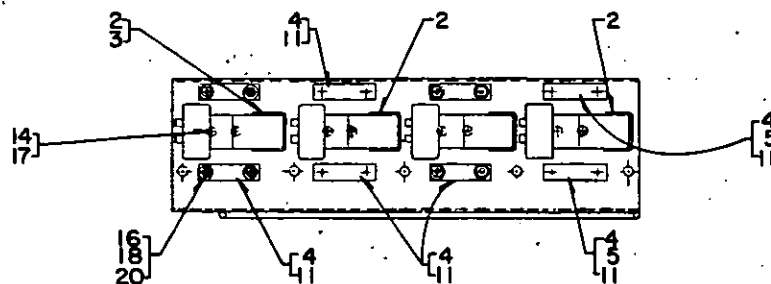
PLATE C3243-E-8

ELECTRICAL CONTROL CABINET

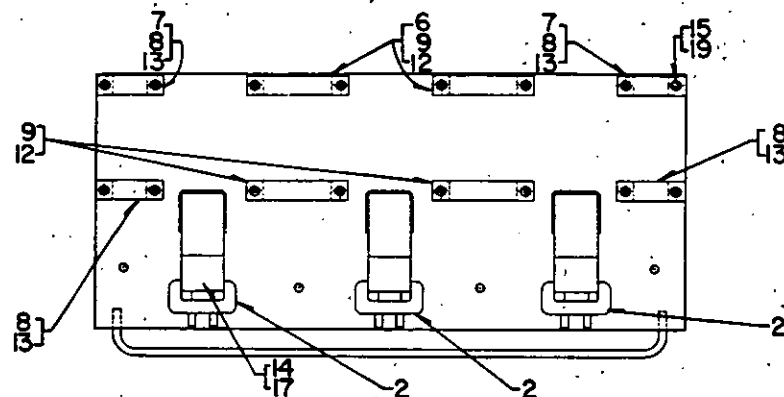
P.L. No. D3243-E

Wheel Slip Panel Assemblies

G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives



Ref. No. 1, Cols. A and B

Ref. No. 1, Col. F
PLATE C3243-E-9

Ref. No.	Part Number	Number Required							Description	Locomotive Application
		A	B	C	D	E	F	G		
1	8445729	1	-	-	-	-	-	-	PANEL ASY. .. Wheel slip	G18U
1	8478677	1	-	-	-	-	-	-	PANEL ASY. .. Wheel slip	G18U
1	8404926	1	-	-	-	-	-	-	PANEL ASY. .. Wheel slip	G18W
1	8391265	-	1	-	-	-	-	-	PANEL ASY. .. Wheel slip	G22W
1	9325828	-	1	-	-	-	-	-	PANEL ASY. .. Wheel slip	G22W
* 1	8414562	-	-	1	-	-	-	-	PANEL ASY. .. Wheel slip	GA18
* 1	8387969	-	-	-	1	-	-	-	PANEL ASY. .. Wheel slip	G22CW
* 1	8419957	-	-	-	-	1	-	-	PANEL ASY. .. Wheel slip	G26CW
1	8369439	-	-	-	-	-	1	-	PANEL ASY. .. Wheel slip	G18U,G22CU,GL22C,G26CU
* 1	8396097	-	-	-	-	-	-	1	PANEL ASY. .. Wheel slip	G18U,G22U
2	8172591	4	3	2	1	-	3	3	RELAY .. Wheel slip - WSS, WS1, 2, 12, 14, 23, 34	} See P.L. 5353
3	8191734	-	1	-	1	2	-	-	RELAY .. Wheel slip - WCR, WS14,16,24	
4	8445728	AR	-	-	-	-	-	-	CLEAT .. Cable - 1-3/4 x 1-3/4 opening (8) required for 8445729 - (6) required for 8478677	
4	8296768	8	8	2	2	3	-	-	CLEAT .. Cable - 2-3/8 x 1-3/16 opening - Col. A: 8404926 only	
5	8478678	2	-	-	-	-	-	-	CLEAT .. Cable - 2-5/8 x 1-3/4 opening - 8478677 only	
6	8388473	-	-	-	-	-	2	-	CLEAT .. Cable - 5-1/4 x 1-3/16 x 1	
7	8388474	-	-	-	-	-	2	4	CLEAT .. Cable - 3-1/2 x 1-3/16 x 1	
8	8388475	-	-	-	-	-	6	10	CLEAT .. Cable - 1-3/4 x 13/16 opening	
9	8388477	-	-	-	-	-	6	-	CLEAT .. Cable - 3-1/2 x 13/16 opening	
* 10	8396098	-	-	-	-	-	-	2	CLEAT .. Cable - 7/8 x 13/16 opening	
11	8215943	8	8	2	2	3	-	-	STRIP .. Cleat support - 4 x 1 x 11 ga. - Col. A: 8404926 only	
12	8369486	-	-	-	-	-	4	-	PLATE .. Cleat support - 5-1/4 x 1 x 3/16	
13	8369485	-	-	-	-	-	4	8	PLATE .. Cleat support - 3-1/2 x 1 x 3/16	
14	180077	8	8	4	4	4	-	-	BOLT .. Relay mounting - 5/16 - 18 x 3/4 hex. head	
14	180075	-	-	-	-	-	6	6	BOLT .. Relay mounting - 5/16 - 18 x 5/8 hex. head	
15	180735	-	-	-	-	-	16	16	BOLT .. Cleat mtg. - 5/16 - 18 x 3-1/4 hex. hd. - Formerly applied	
16	189306	16	16	4	4	6	-	-	BOLT .. Cleat mtg. - 3/8 - 16 x 5 hex. head	
17	120214	8	8	4	4	4	6	6	WASHER .. Lock - 5/16	
18	120388	16	-	-	-	-	-	-	WASHER .. Plain - 3/8 - Except Col. A 8404926	
19	8035145	-	-	-	-	-	16	16	NUT .. Lock - 5/16 - 18 hex.	
20	8035146	16	16	4	4	6	-	-	NUT .. Lock - 3/8 - 16 hex.	

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Resistor Panel Assemblies

G18U,G18W,GA18,G22U,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives
(Not Illustrated)

Ref. Part		Number													Description	Locomotive Application	
No.	Number	Required															
		A	B	C	D	E	F	G	H	J	K	L	M	N			
1	8395718	1	-	-	-	-	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U	
1	8445708	-	1	-	-	-	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U	
1	8404924	-	-	1	-	-	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18W	
1	8414244	-	-	-	1	-	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	GA18	
1	8430400	-	-	-	-	1	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G22U	
1	8391192	-	-	-	-	-	1	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G22W	
1	8382827	-	-	-	-	-	-	1	-	-	-	-	-	-	PANEL ASY. ... Resistor	G22CU, GL22C	
1	8460819	-	-	-	-	-	-	-	1	-	-	-	-	-	PANEL ASY. ... Resistor	G22CU	
1	8467976	-	-	-	-	-	-	-	-	1	-	-	-	-	PANEL ASY. ... Resistor	G22CW	
1	8386568	-	-	-	-	-	-	-	-	-	1	-	-	-	PANEL ASY. ... Resistor	G26CU	
1	9322024	-	-	-	-	-	-	-	-	-	-	1	-	-	PANEL ASY. ... Resistor	G26CU	
1	9322026	-	-	-	-	-	-	-	-	-	-	-	1	-	PANEL ASY. ... Resistor	G26CU	
1	8419958	-	-	-	-	-	-	-	-	-	-	-	-	1	PANEL ASY. ... Resistor	G26CW	
2	8395467	-	-	-	1	-	-	-	-	-	-	-	-	-	RE2	4/4/8	400
3	8307076	-	-	-	-	-	-	-	-	1	-	-	-	-	RE3	2000/2000/2000	160
φ 4	8398604	2	2	2	-	-	2	3	2	-	3	-	-	3	RE3,4,5,11	2000/2000	300
φ 5	8255414	-	-	-	-	-	-	3	-	2	-	-	-	-	RE3,4,5	2000/2000	160
φ 6	8355854	-	-	-	-	-	1	-	-	-	-	-	-	-	RE5	4000/4000	250
7	9315747	2	2	2	2	2	2	2	2	2	2	-	-	2	RE6,7	3.75/6/6	400
Formerly 8283943 (5/8/8 Ohms - 400 Watts).																	
φ 8	8239505	1	1	1	-	-	1	-	1	-	-	-	-	-	RE8,9	100	25
φ 8	8363059	-	-	1	-	-	-	1	-	-	-	-	-	-	RE9	50	25
9	8239506	-	-	1	-	-	1	-	-	1	-	-	-	1	RE8,10,38	10	25
10	8371297	1	1	1	-	-	-	-	-	-	-	-	-	-	RE21	11000/3000/3000	160
10	8371162	-	-	-	1	-	-	-	-	-	-	-	-	-	RE21	4000/4000/4000	160
φ 10	8430208	-	-	-	-	1	-	-	-	-	1	-	-	-	RE21	5000/3000/3000	200
φ 10	8427106	-	-	-	-	-	1	-	-	-	-	-	-	-	RE21	5000/3000/4000	160
φ 10	8434244	-	-	-	-	-	-	1	1	-	-	-	-	-	RE21	4000/6000/4500	160
φ 10	8499464	-	-	-	-	-	-	-	-	-	1	-	-	-	RE21	3000/3000/7000	200
φ 11	8391137	-	-	-	-	-	2	-	-	-	-	-	-	-	RE21,23	4000/3500/4000	160
φ 11	8392340	-	-	-	-	-	2	-	-	-	-	-	-	-	RE21,23	15000/3000/2500	160
φ 11	8364907	-	-	-	-	-	-	2	2	2	-	-	-	-	RE21,23	5000/3500/3500	200
φ 11	8332061	-	-	-	-	-	-	-	-	-	-	-	-	2	RE21,23	6000/3000/2000	160
12	8305100	-	-	-	1	-	-	-	-	-	-	-	-	-	RE22	15000/15000/60000	160
12	8391139	-	-	-	-	-	1	-	-	-	-	-	-	-	RE22	1000/1000	160
12	8287286	-	-	-	-	-	1	-	-	-	-	-	-	-	RE22	100	25
13	8364839	1	1	1	-	-	-	-	-	-	-	-	-	-	RE23	2500/2500/2000	200
13	8356680	-	-	-	1	-	-	-	-	-	-	-	-	-	RE23	7500/7500	160
13	8404808	-	-	-	-	1	-	-	-	-	-	-	-	-	RE23	1000/7500	160
φ 13	8364838	-	-	-	-	-	-	1	1	-	-	-	-	-	RE23	4000/3000/6000	160
φ 13	8339672	-	-	-	-	-	-	-	-	-	-	-	-	1	RE23	2000/3000/2000	160
14	8225410	-	-	-	-	-	-	-	-	-	1	-	-	1	RE24	300/300/300	200
15	8358406	-	-	-	-	-	-	-	-	-	1	-	-	-	RE28	2500/2000	160
16	8349391	1	1	-	-	-	-	-	-	-	-	-	-	-	RE32	500/500	50
16	8371296	-	-	1	-	-	-	-	-	-	-	-	-	-	RE32	2000	160
16	8414246	-	-	-	1	-	-	-	-	-	-	-	-	-	RE32	750	100
16	8391138	-	-	-	-	-	1	-	-	-	-	-	-	-	RE32	250/250	50
17	8260224	1	1	1	1	1	1	1	1	1	1	-	-	1	RE33	4	50
18	8230384	1	1	1	-	-	-	-	-	-	-	-	-	-	RE34	300	50
18	8227212	-	-	-	1	-	-	-	-	-	-	-	-	-	RE34	275	25
19	8273096	-	-	-	-	-	1	2	2	2	1	-	-	1	RE34,35	250	25
20	8342683	1	1	-	-	1	1	-	-	-	-	-	-	1	RE35	200	25
20	8429983	-	-	-	-	-	-	-	-	-	-	1	-	-	RE35	2.6/2.6	400
21	8289930	-	-	-	-	-	-	1	1	1	-	-	-	-	RE36	1500/1500	100
21	9321939	-	-	-	-	-	-	-	-	-	-	-	1	-	RE36	1.4/1.4/1.4/1.4/1.4	400
22	8281258	2	2	-	1	1	2	1	1	1	-	-	-	2	RE37,38	10/10	25
23	8313717	-	-	-	-	-	1	-	-	-	-	-	-	-	RE39	2500	25
24	8376287	1	-	-	-	-	-	-	-	-	-	-	-	-	RE40	500	160
25	8363014	1	-	-	-	-	-	-	-	-	-	-	-	-	RE61	5000	25

ELECTRICAL CONTROL CABINET

Resistor Panel Assemblies

G18U,GA18,G22W,G22CU,G22CW,GL22C,G26CU and G26CW Locomotives

(Not Illustrated)

Ref. No.	Part Number	Number Required											Description	Locomotive Application
		A	B	C	D	E	F	G	H	J	K			
1	8478582	1	-	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U	
1	9318644	-	1	-	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U, GL22C	
1	8391669	-	-	1	-	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U, G22W, G26CW	
1	8383749	-	-	-	1	-	-	-	-	-	-	PANEL ASY. ... Resistor	G18U, G22CU, GL22C, G26CU	
1	8416246	-	-	-	-	1	-	-	-	-	-	PANEL ASY. ... Resistor	GA18	
1	8401890	-	-	-	-	-	1	-	-	-	-	PANEL ASY. ... Resistor	G22W, G26CW	
1	8383748	-	-	-	-	-	-	1	-	-	-	PANEL ASY. ... Resistor	G22CU, GL22C	
1	9318538	-	-	-	-	-	-	-	1	-	-	PANEL ASY. ... Resistor	G22CW	
1	8477829	-	-	-	-	-	-	-	-	1	-	PANEL ASY. ... Resistor	G26CU	
1	8499554	-	-	-	-	-	-	-	-	-	1	PANEL ASY. ... Resistor	G26CU	

Resistors are identified by the RE designations applied to panels. Example: RE61 for GA18 locomotives is part number 8123872 - See Ref. No. 7.

													Resistor Designation	Ratings	
														Ohms	Watts
2	8367393	1	-	1	-	-	-	-	-	-	-	-	RE22,36	4000/4000	160
3	8314671	-	-	-	-	1	-	-	-	-	-	-	RE24	1000	50
4	8281258	-	-	1	-	-	-	-	-	-	1	-	RE38,69	10/10	25
5	8391138	-	-	1	-	-	-	-	-	-	-	-	RE39	250/250	50
6	8277466	-	1	-	1	1	1	-	1	-	-	-	RE60	10000/10000/15000	160
7	9318401	-	1	-	-	-	-	-	1	-	-	-	RE61	15/15/15	375
7	8123872	-	-	1	-	1	1	-	-	-	-	-	RE61	10000/10000	160
7	8363014	-	-	-	-	-	-	-	-	1	1	-	RE61	5000	25
8	8265653	1	-	1	-	2	1	1	-	1	1	-	RE62,66	115/115	200
9	9318459	-	1	-	-	-	-	-	-	-	-	-	RE62	115	200
9	8213503	-	1	-	-	-	-	-	1	-	-	-	RE62,68	500	100
10	8279699	-	-	-	1	1	1	-	-	-	-	-	RE63	500/100	50
11	8218501	1	-	1	-	1	1	-	1	1	-	-	RE64	100	100
12	8311736	1	-	1	-	-	-	-	-	-	-	-	RE65	1.6/1.6/1.6	375
12	8342491	-	-	-	-	1	-	-	-	1	1	-	RE65	2/2/2	375
12	8300568	-	-	-	-	-	-	1	-	-	-	-	RE65	1.2/1.2/1.2	375
13	8255415	-	-	-	2	1	1	-	-	-	-	-	RE66,67	115/115/115	200
14	8499463	-	-	-	-	-	-	-	-	-	1	-	RE68	1500/2000/3500	200
15	8391699	-	-	-	-	-	-	-	-	-	1	-	RE70	240	25

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET
 Rectifier Panel Assemblies
 G18U,G18W,GA18,G22U,G22W,G22CU,GL22C and G26CW Locomotives

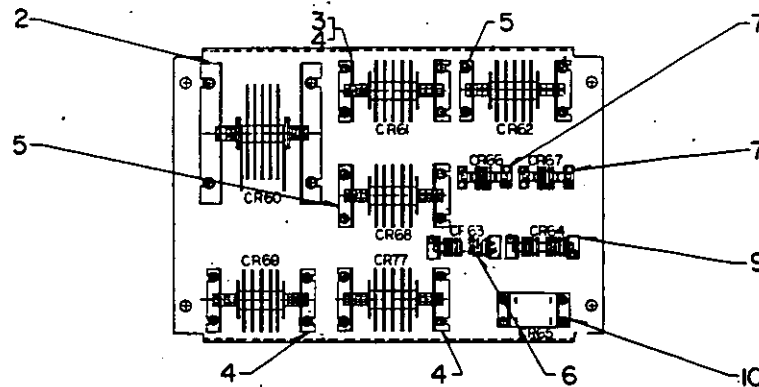


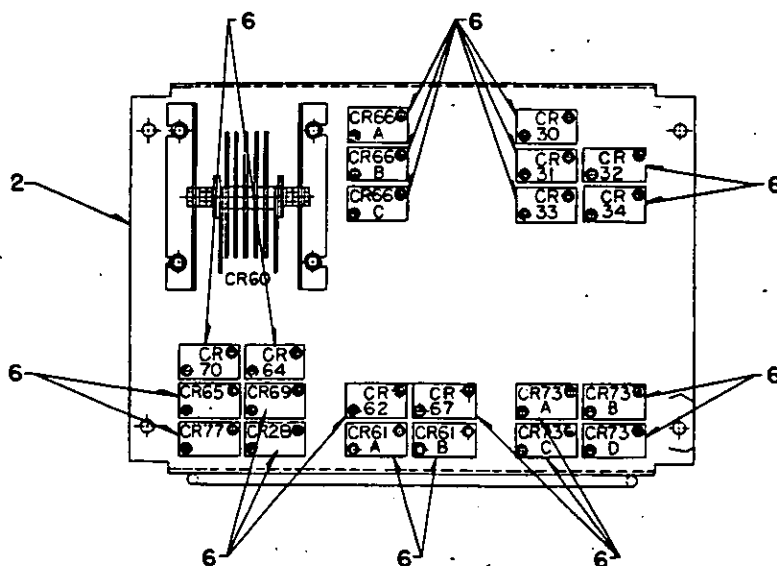
PLATE B3243-E-10

Ref. No.	Part Number	Number Required								Description	Locomotive Application
		A	B	C	D	E	F	G	H		
1	8395767	1	-	-	-	-	-	-	-	PANEL ASY. ... Rectifier	G18U
1	8445741	-	1	-	-	-	-	-	-	PANEL ASY. ... Rectifier	G18U
1	8404928	-	-	1	-	-	-	-	-	PANEL ASY. ... Rectifier	G18W
1	8414158	-	-	-	1	-	-	-	-	PANEL ASY. ... Rectifier	GA18
1	8430292	-	-	-	-	1	-	-	-	PANEL ASY. ... Rectifier	G22U
1	8391210	-	-	-	-	-	1	-	-	PANEL ASY. ... Rectifier	G22W
1	8382830	-	-	-	-	-	-	1	-	PANEL ASY. ... Rectifier	G22CU, GL22C
1	8419956	-	-	-	-	-	-	-	1	PANEL ASY. ... Rectifier	G26CW

NOTE: Unless otherwise specified, the ampere ratings below represent maximum continuous forward current at 25°C and the voltage ratings represent blocking-voltage. See P.L. 6903 for further specifications.

2	8158951	1	1	1	1	1	1	1	1	RECTIFIER .. 8.6 amps. - 108 volts D.C. - CR60	
φ 3	8375973	2	1	-	1	-	1	1	1	RECTIFIER .. 1.95 amps. - 130 volts D.C. CR61: Cols. A,D,F,G CR62: Cols. A,B - CR68: Col. H	
φ 4	8333132	-	-	-	-	-	-	3	-	RECTIFIER .. 2.2 amps. - 80 volts D.C. - CR61,69,77	
φ 5	8375539	1	-	1	1	-	3	2	4	RECTIFIER .. 1.95 amps. - 130 volts D.C. CR61: Col. H CR62: Cols. F,G,H CR66: Col. H CR68: Cols. F (Opt. usage with ref. no. 7), G CR70: Cols. A,C,D CR77: Cols. F,H	
6	8397306	-	-	1	-	-	1	1	-	RECTIFIER .. 0.2 amps - 108 volts D.C. - CR63	
φ 7	8403349	2	-	-	-	-	3	2	2	RECTIFIER .. 0.2 amps - 108 volts D.C. CR63: Col. A CR66: Cols. A,F (Opt. usage with ref. no. 8), G CR67: Cols. F (Opt. usage with ref. no. 8), G,H CR68: Col. F (Optional usage with ref. no. 5) CR69: Col. H	
φ* 8	8375607	2	2	1	3	2	2	-	-	RECTIFIER .. 0.2 amps. - 108 V.D.C. CR63: Col. D CR66: Cols. A,C,D,F (Opt. usage with ref. no. 7) CR67: Cols. A,B,D,E,F (Opt. usage with ref. no. 7) CR68: Cols. B,E	
9	8403348	-	-	-	-	-	-	1	-	RECTIFIER .. 0.2 amps. - 108 volts D.C. - CR64	
10	8365457	-	-	-	-	-	-	1	1	RECTIFIER .. 0.96 amps. @ 70°C - 120 volts D.C. CR65: Col. G - CR70: Col. F	
*11	8249693	1	1	-	-	-	1	-	-	RECTIFIER .. 1.2 amps. - 80 volts D.C. - CR69	
*12	8364008	-	1	1	-	-	-	-	-	RECTIFIER .. 0.96 amps. - 120 volts D. C. - CR73	

ELECTRICAL CONTROL CABINET
Rectifier Panel Assemblies
G18U,G18W,G22W,G22CU,G22CW,G26CU and G26CW Locomotives



Ref. No. 1, Col. D

PLATE A3243-E-11

Ref. No.	Part Number	Number Required										Description	Locomotive Application
		A	B	C	D	E	F	G	H	J			
* 1	8473817	1	-	-	-	-	-	-	-	-	PANEL ASY. .. Rectifier	G18U	
* 1	8473831	-	1	-	-	-	-	-	-	-	PANEL ASY. .. Rectifier	G18W	
* 1	8467836	-	-	1	-	-	-	-	-	-	PANEL ASY. .. Rectifier	G22W	
1	9325897	-	-	-	1	-	-	-	-	-	PANEL ASY. .. Rectifier	G22W	
* 1	8460796	-	-	-	-	1	-	-	-	-	PANEL ASY. .. Rectifier	G22CU	
* 1	8467837	-	-	-	-	-	1	-	-	-	PANEL ASY. .. Rectifier	G22CW	
* 1	8467988	-	-	-	-	-	-	1	-	-	PANEL ASY. .. Rectifier	G22CW	
* 1	8460965	-	-	-	-	-	-	-	1	-	PANEL ASY. .. Rectifier	G26CU	
* 1	8467838	-	-	-	-	-	-	-	-	1	PANEL ASY. .. Rectifier	G26CW	

Due to the individual requirements of each installation, the following components as shown in the required column may vary on a particular panel assembly.

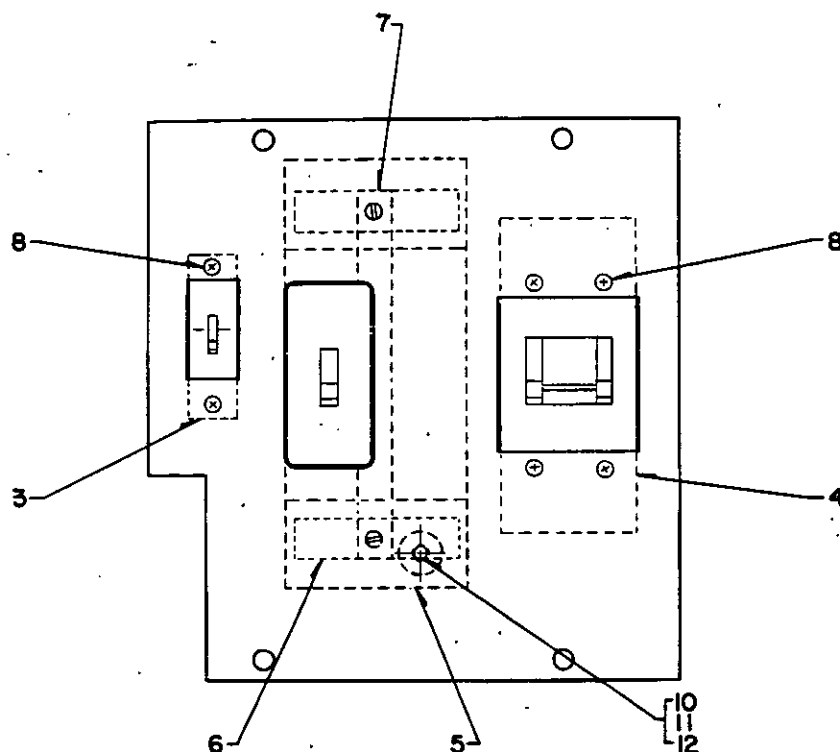
2	8158951	1	1	1	1	1	1	1	1	1	1	RECTIFIER .. 8.6 amps. - 108 volts D.C.	
* 3	8375607	2	-	1	-	1	-	2	1	2		RECTIFIER .. 0.2 amps. - 108 volts D.C. - Formerly applied	
												CR21 - Cols. A,C,E,G,H,J	
												CR64 - Cols. G,J	
												CR67 - Col. A	
* 4	8403349	2	1	-	-	1	-	-	1	2		RECTIFIER .. 0.2 amps. - 108 volts D.C. - CR63,66	
* 5	8397306	-	-	-	-	1	-	1	1	-		RECTIFIER .. 0.2 amps. - 108 volts D.C. - CR63	
6	8421017	27	12	17	23	13	11	15	21	18		RECTIFIER .. 3 amps. - 0.9 volts D.C.	
												Col. A: CR9A,B,10A,B,C,D,11A,B,C,D,21,61A,B,63,	
												CR64,65,66A,B,C,67,68,73A,B,C,D,74	
												Col. B: CR35,61A,B,64,65,66A,B,C,73A,B,C,D	
												Col. C: CR28,32,34,62,63,64,65,66A,B,C,67,69,	
												CR73A,B,C,D,77	
												Col. D: CR28,30,31,32,33,34,35,61A,B,62,64,65,66A,B,C,	
												CR67,69,70,73A,B,C,D,77	
												Col. E: CR28,35,61A,B,62,63,63A,65,66A,B,67,69,70,77	
												Col. F: CR61,66A,B,C,67A,B,C,D,77A,B	
												Col. G: CR21,66A,B,C,67A,B,C,D,69A,73A,B,C,D,77A,B	
												Col. H: CR21,61A,B,63,64,66A,B,C,68,69B,C,D,70-80	
												Col. J: CR21,61A,B,65,66A,B,C,67A,B,C,D,73A,B,C,D	
												CR74,77A,B,	
* 7	8375973	-	-	-	-	-	-	-	1	1		RECTIFIER .. 1.95 amps. - 130 volts D.C. - CR70	

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Circuit Breaker Panel Assembly

G22W Locomotives



Ref. No. 1

PLATE A3243-E-12

Ref. No.	Part Number	No. Req.	Description
1	9325827	1	PANEL ASY. .. Circuit breaker
2	9326068	1	PLATE .. Name - Equipment mounting - Arabic markings
3	9095648	1	BREAKER .. Circuit - S.P. - 6 Amp. - Aux. gen. field
4	9325774	1	BREAKER .. Circuit - D.P. - 100 Amp. - Train lighting
5	8433383	1	BREAKER .. Circuit - D.P. - 100 Amp. - Aux. generator
6	9330437	2	PAD .. Spacer - Circuit breaker mtg. - 2-1/2 x 5/8 x 3/16 in. thick
7	8444010	1	PLATE .. Filler strip - 6 x 1/2 x 11 ga.
8	159254	6	SCREW .. No. 6 - 32 x 3/8 pan head - Cross recess
9	177800	2	SCREW .. No. 8 - 32 x 3-1/4 fillister head - Slotted
10	132325	4	SCREW .. 5/16 - 18 x 3/4 fillister head - Slotted
11	120393	4	WASHER .. Plain - 5/16
12	138538	4	WASHER .. Lock - 5/16

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET
DBBF - Dynamic Brake/Battery Field Control Assembly
G18U,G22CU,G22CW and GL22C Locomotives

PLATE A3243-E-13

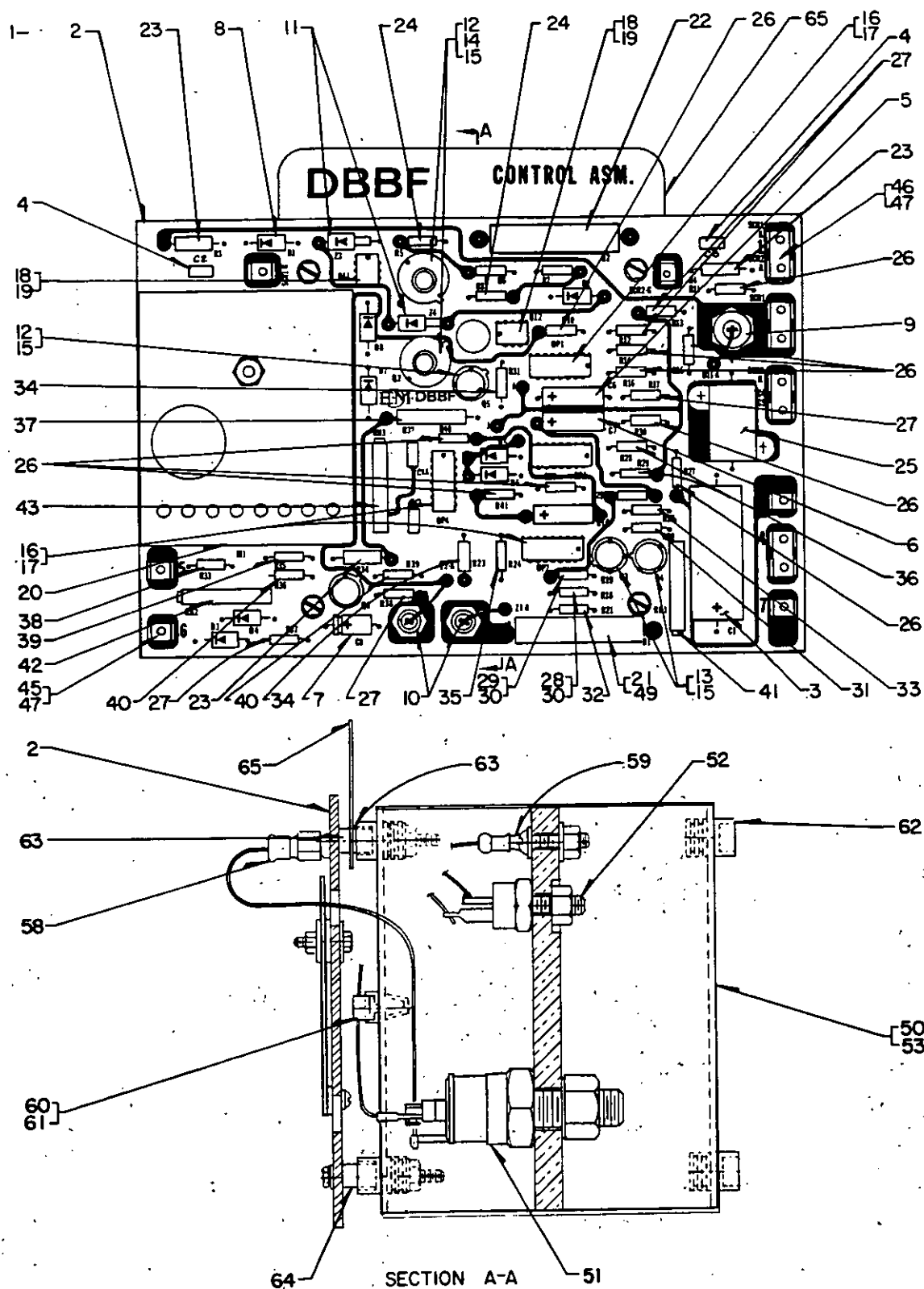
Ref. No.	Part Number	No. Req.	Description	Locomotive Application
		A B C		
1	9317021	1 - -	CONTROL ASY. .. Dynamic brake/battery field - DBBF-2	G22CU, GL22C
1	9317471	- 1 -	CONTROL ASY. .. Dynamic brake/battery field - DBBF-3	G22CW
1	9317472	- - 1	CONTROL ASY. .. Dynamic brake/battery field - DBBF-4	G18U
2	9317020	1 - -	BOARD ASY. .. Circuit - DBBF-2	
2	9318748	- 1 -	BOARD ASY. .. Circuit - DBBF-3	
2	9318749	- - 1	BOARD ASY. .. Circuit - DBBF-4	
3	8413187	1 1 1	CAPACITOR .. C1 - 100 MFD. - 150 Volts D.C.	
4	9083546	4 4 4	CAPACITOR .. C2,C3,C9,C11 - 1 MFD. - 100 Volts D.C.	
5	9311617	1 1 1	CAPACITOR .. C6 - 0.1 MFD. - 50 Volts D.C.	
6	8479189	2 2 2	CAPACITOR .. C7,C10 - 0.047 MFD. - 100 Volts D.C.	
7	9311616	1 1 1	CAPACITOR .. C8 - 5 MFD. - 50 Volts D.C.	
8	8373329	8 8 8	DIODE .. Silicon - D1 - D8	
9	8323484	1 1 1	RECTIFIER .. Silicon - D11	
10	9311847	2 2 2	DIODE .. Zener - Z1,Z2	
11	8378680	2 2 2	DIODE .. Zener - Z3,Z4	
12	8378759	3 3 3	TRANSISTOR .. Q1,Q2,Q5	
13	8421174	3 3 3	TRANSISTOR .. Q3,Q4,Q6	
14	8440127	2 2 2	HEATSINK .. Transistor - Q1,Q2	
15	8463172	6 6 6	PAD .. Lead conversion - .40 dia. x .30 thick - Polysufone	
16	8494696	4 4 4	AMPLIFIER .. Operational - OP1-OP4	
17	9503522	4 4 4	SOCKET .. 14 pin - OP1-OP4	
18	8483288	2 2 2	ISOLATOR .. Opto - Semi conductor device - O11,O12	
19	9503521	2 2 2	SOCKET .. 6 pin - O11,O12	
20	9502071	1 1 1	COMPARATOR .. Magsense - M1	
21	8397820	1 1 1	RESISTOR .. R1	400 Ohms - 1/8 Watt
22	8439523	1 1 1	RESISTOR .. R2	550 Ohms - 12.5 Watt
23	8380661	3 3 3	RESISTOR .. R3,R4,R34	1000 Ohms - 3 Watt
24	9315992	2 2 2	RESISTOR .. R5,R8	301K Ohms - 1/8 Watt
25	9313240	1 1 1	RESISTOR .. R9	300 Ohms - 25 Watt
26	9315901	11 11 11	RESISTOR .. R10,11,14-16,25-27,30,40,41	100K Ohms - 1/8 Watt
27	9315896	5 5 5	RESISTOR .. R12,R13,R17,R37,R38	15K Ohms - 1/8 Watt
28	9316832	1 - -	RESISTOR .. R18	39.2 Ohms - 1/8 Watt
28	9318678	- 1 -	RESISTOR .. R18	15K Ohms - 1/8 Watt
29	9316833	1 - -	RESISTOR .. R19	52.2K Ohms - 1/8 Watt
29	9318679	- 1 -	RESISTOR .. R19	44.2K Ohms - 1/8 Watt
30	9318722	- - 2	RESISTOR .. R18,R19	41.2K Ohms - 1/8 Watt
31	9316834	1 - -	RESISTOR .. R20	221K Ohms - 1/8 Watt
31	9318680	- 1 -	RESISTOR .. R20	169K Ohms - 1/8 Watt
31	9318723	- - 1	RESISTOR .. R20	133K Ohms - 1/8 Watt
32	9316830	1 - -	RESISTOR .. R21	15.4K Ohms - 1/8 Watt
32	9318676	- 1 -	RESISTOR .. R21	14.7K Ohms - 1/8 Watt
32	9318720	- - 1	RESISTOR .. R21	16.9K Ohms - 1/8 Watt
33	9316831	1 - -	RESISTOR .. R22	22K Ohms - 1/8 Watt
33	9318677	- 1 -	RESISTOR .. R22	24.3K Ohms - 1/8 Watt
33	9318721	- - 1	RESISTOR .. R22	29.4K Ohms - 1/8 Watt
34	9316829	1 1 1	RESISTOR .. R23	2490 Ohms - 1/8 Watt
35	9315906	2 2 2	RESISTOR .. R24,R31	10K Ohms - 1/8 Watt
36	9315907	2 2 2	RESISTOR .. R28,R29	16.22K Ohms - 1/8 Watt
37	8418996	1 1 1	RESISTOR .. R32	400 Ohms - 5 Watt
38	9315905	1 1 1	RESISTOR .. R33	48 Ohms - 1/8 Watt
39	9315898	1 1 1	RESISTOR .. R35	50.2K Ohms - 1/8 Watt
40	9315908	2 2 2	RESISTOR .. R36,R39	20K Ohms - 1/8 Watt
41	9311701	1 1 1	POTENTIOMETER .. RH1	20K Ohms - 1 Watt
42	8468190	1 1 1	POTENTIOMETER .. RH2	200K Ohms - 1 Watt
43	9311821	1 1 1	POTENTIOMETER .. RH3	50K Ohms - 1 Watt

P.L. No. D3243-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	No. Req.	Description
		A B C	
-	9317021	1 - -	CONTROL ASY. .. Dynamic brake/battery field - DBBF-2
-	9317471	- 1 -	CONTROL ASY. .. Dynamic brake/battery field - DBBF-3
-	9317472	- - 1	CONTROL ASY. .. Dynamic brake/battery field - DBBF-4
-	9317020	1 - -	BOARD ASY. .. Circuit - DBBF-2
-	9318748	- 1 -	BOARD ASY. .. Circuit - DBBF-3
-	9318749	- - 1	BOARD ASY. .. Circuit - DBBF-4
*44	8408649	A.R.	CABLE .. 20 AWG. - Teflon insul. - Sold per ft. - Approx. 6 in. required
45	8339983	6 6 6	TAB .. Faston - Two wire
46	8339063	7 7 7	TAB .. Faston - Four wire
47	9431583	14 14 14	EYELET .. Faston tab mounting - 1/8 x 5/16 in. long - Brass
*48	8451179	A.R.	CONNECTOR .. Cable - .015 dia. to .050 dia. - Approx. 146 required
49	8444091	4 4 4	TERMINAL .. Female solder - .076 I.D. x .156 O.D. x .797 in. long
50	9311219	1 1 1	HEATSINK ASY. .. Rectifier
51	8411661	1 1 1	RECTIFIER .. Silicon controlled - SCR1
52	8464961	1 1 1	RECTIFIER .. Silicon controlled - SCR2
53	9311115	1 1 1	HEATSINK .. Rectifier
*54	8434036	2 2 2	CAPACITOR .. C4,C5 - 10 MFD. - 150 Volts D.C.
*55	9317315	2 2 2	PAD .. Capacitor mounting - 9/16 x 2-7/8 x 11 ga.
*56	8408649	A.R.	CABLE .. 20 AWG. - Teflon insul. - Sold per ft. - Approx. 3 ft. required
*57	8269142	A.R.	CABLE .. 16 AWG. - Teflon insul. - Sold per ft. - Approx. 6 ft. required
58	8380934	9 9 9	TERMINAL .. Red insulated female faston
59	8402844	2 2 2	LUG .. Terminal - Insulated crimp type- No. 10 stud hole dia.
60	8424552	9 9 9	STRAP .. Cable tie - 3/32 x 4 in. long
61	8458202	2 2 2	BASE .. Push - Cable tie strap
62	8411456	8 8 8	INSULATOR .. Standoff - Heatsink mounting
63	8456054	4 4 4	SPACER .. 3/16 I.D. x 3/8 O.D. x 1/4 in.
64	9311197	2 2 2	SPACER .. 3/16 I.D. x 3/8 O.D. x 1/2 in.
65	9317022	1 - -	PLATE .. Name - DBBF-2
65	9317045	- 1 -	PLATE .. Name - DBBF-3
65	9317046	- - 1	PLATE .. Name - DBBF-4

ELECTRICAL CONTROL CABINET

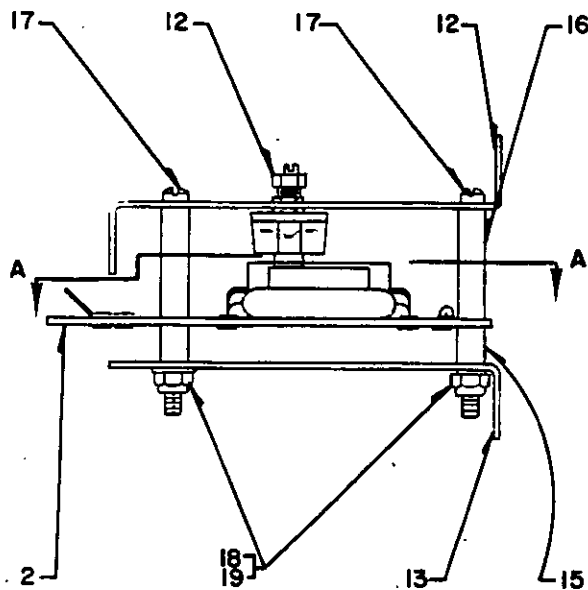


P.L. No. D3243-E

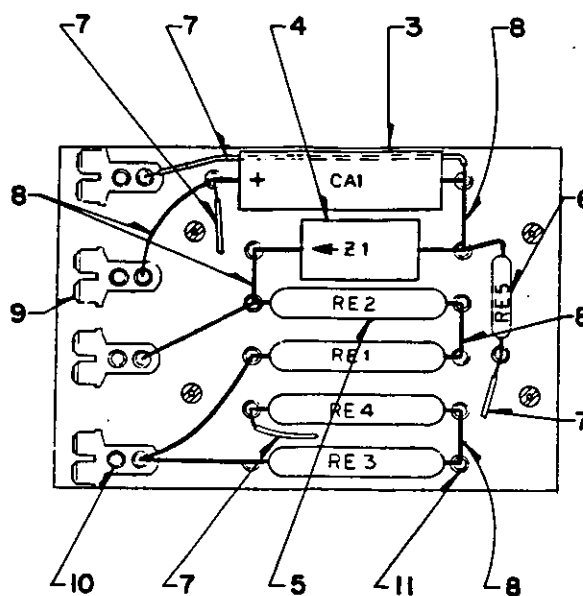
ELECTRICAL CONTROL CABINET

Voltage Limit Panel Assembly

G22U and G22CU Locomotives



Ref. No. 1



Section A-A

Ref. No. 2

PLATE A3243-E-14

Ref. No.	Part Number	No. Req.	Description
1	8431594	1	PANEL ASY. ... Voltage limit
2	8431638	1	BOARD ASY. ... Circuit
3	8413607	1	CAPACITOR .. CA1 - 50 MFD. - 150 Volts D.C.
4	8413609	1	DIODE .. Zener - Z1 - 49.6V.
5	8431641	4	RESISTOR .. RE1,RE2,RE3,RE4 - 70,000 Ohms - 12.5 Watt
6	8421120	1	RESISTOR .. RE5 - 5,000 Ohms - 5 Watt
7	8329355	AR	CABLE .. 20 AWG. - Teflon insul. - 25 ft. length
8	8330081	AR	WIRE .. 20 AWG. solid - Uninsulated - Sold per foot
9	8378281	4	TAB .. Double male faston
10	8383119	8	EYELET .. Faston tab mounting - 1/8 x 3/16 in. long - Brass
11	9428359	13	EYELET .. Resistor and capacitor mtg. - 1/8 x 5/32 in. long - Brass
12	8419425	1	RHEOSTAT .. RH1 - 5,000 Ohms - 12.5 Watt
13	8379307	1	BRACKET .. Panel mounting - "L" shaped
14	8379306	1	BRACKET .. Panel mounting - "Z" shaped
15	8379305	4	SPACER .. 13/64 I.D. x 5/16 O.D. x 7/16 in. long
16	8431675	4	SPACER .. 13/64 I.D. x 5/16 O.D. x 1-9/32 in. long
17	132163	4	SCREW .. No. 10 - 32 x 2-1/2 fillister head - Slotted
18	120391	4	WASHER .. Plain - No. 10
19	8035122	4	NUT .. Lock - No. 10 - 32 hex.

Parts List No. C3244-E

ELECTRICAL CONTROL CABINET GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives PLATES B3244-E-1,2,3 and 4

Ref. No.	Part Number	Number Required					Description	Locomotive Application
		A	B	C	D	E		
* 1	8473018	1	-	-	-	-	CABINET ASY. ... Electrical control	G22CU
* 1	8473641	-	1	-	-	-	CABINET ASY. ... Electrical control	GT22CW
1	8485083	-	-	1	-	-	CABINET ASY. ... Electrical control	GT26CU-2
1	8448205	-	-	-	1	-	CABINET ASY. ... Electrical control	GT26CW
1	9510336	-	-	-	1	-	CABINET ASY. ... Electrical control	GT26CW
* 1	8475000	-	-	-	-	1	CABINET ASY. ... Electrical control	GT26CW-2

NOTE: Due to the individual requirements of each installation, the following components as shown in the required column may vary on a particular cabinet assembly. Components of cabinet assemblies listed in the same column are the same unless otherwise specified.

2	----	1	1	1	1	1	FRAME ASY. ... Cabinet - Includes doors - See Pages 21 thru 24	
3	----	1	1	1	1	1	PANEL ASY. ... Main control - See Pages 33 thru 36	
4	----	1	1	1	1	1	PANEL ASY. ... Engine control - See Pages 46 thru 48	
5	----	1	1	1	1	1	PANEL ASY. ... Circuit breaker - See Pages 49 thru 51	
6	----	1	1	1	1	1	PANEL ASY. ... Fuse and switch - See Page 53	
7	----	1	1	1	1	1	PANEL ASY. ... Resistor - See Pages 56 thru 58	
8	----	1	1	1	1	1	PANEL ASY. ... Wheel slip "IDAC" - See Pages 61 and 62	
9	----	1	1	1	1	1	PANEL ASY. ... Transition sequences test - See Page 63	
10	----	-	-	-	1	-	PANEL ASY. ... AR10 generator diode protection - See Page 64	
11	----	1	1	1	1	1	PANEL ASY. ... Ammeter shunt - See P.L. 3249	
12	8198528	1	-	1	-	-	INSULATION .. Fiber - 7-1/4 x 1-1/2 x 1/16 in.	
12	8237561	-	1	-	1	1	INSULATION .. Fiber - 9 x 3 x 1/16 in.	
13	8197308	1	-	1	-	-	SHUNT .. Ammeter - 50 M.V. - 500 Amps.	
13	8221444	-	1	-	1	1	SHUNT .. Ammeter - 50 M.V. - 1000 Amps.	
14	8463113	5	-	5	5	5	SWITCH .. Magnetic - B21,31,32,42,51,65, M16,34,36 - Replaces 8328962	
φ 15	8463117	6	3	6	6	6	SWITCH .. Magnetic - RVF1,2,3,12,14,25,34,56 RVR4,5,6,21,36,43,65 - Repl. 8341261	See P.L. 5426
φ 15	8463118	-	3	-	-	6	SWITCH .. Magnetic - RVF1,2,3,14,25, RVR4,5,6,36	
16	8435171	3	-	3	4	10	BAR .. Bus - 6-3/8 x 2-1/4 x 1/4 in. copper - Formerly 8364318	
16	8333315	-	3	-	8	8	BAR .. Bus - Aluminum - 10-3/4 mounting centers - Lower	
17	8458017	2	-	2	-	-	BAR .. Bus - Bottom front - 6-1/4 x 2-1/4 x 1/4 in. copper	
18	8425871	1	-	1	-	-	BAR .. Bus - B21 - "L" shape - 2-1/2 x 1-7/8 x 2-1/4 x 1/4 in. copper	
19	8473543	1	-	1	-	-	BAR .. Bus - B65 - to RVF 56 - "Z" shape	
20	8456668	3	-	3	-	-	BAR .. Bus - "U" shape - 11-3/8 x 2-1/2 x 2-1/4 x 1/4 in. copper	
21	8333316	3	3	3	8	8	BAR .. Bus - Aluminum - 10-3/4 mounting centers - Upper	
22	8458018	3	-	3	-	-	BAR .. Bus - Bottom rear - 11-3/8 x 2-1/4 x 1/4 in. copper	
*23	8435164	-	-	-	4	4	BAR .. Bus - Copper - 3-1/2 x 2-1/4 x 1/4 in.	
24	8364318	-	-	-	4	-	BAR .. Bus - Straight - 6-5/8 x 2-1/4 x 3/8 in. alum. - Formerly applied	
*25	8451273	-	-	-	1	1	CONNECTOR .. Flexible braided copper - 10-3/4 x 1-5/8 x 1/2 in.	
26	8461331	1	-	1	9	9	CONTACTOR .. Power - B-P1,2,3,4,5,6 - S14,25,36	See P.L. 5424
27	8461332	3	3	3	1	1	CONTACTOR .. Power - P1,12,34,56 - SP14,25,36	
28	8364318	-	-	-	2	-	BAR .. Bus - Straight - 6-5/8 x 2-1/4 x 3/8 in. alum. - Formerly applied	
29	8448294	-	-	-	1	-	BAR .. Bus - Straight - 7-7/8 x 2 x 1/4 in. copper	
φ 30	8357810	-	-	-	2	-	BAR .. Bus - Straight - 6-5/8 x 2 x 1/2 in. aluminum	
φ 30	8435171	-	-	-	4	6	BAR .. Bus - Straight - 6-3/8 x 2-1/4 x 1/2 in. copper	
31	8451158	2	-	2	-	-	CONTACTOR .. Field shunt - FS1A,FS1B	See P.L. 5408
*31	8419344	-	2	-	-	-	CONTACTOR .. Field shunt - FS1,FS2	
32	8482180	1	1	1	1	1	CONTACTOR .. Starting auxiliary - STA - Formerly 8445890	
							Generator starting (GS) - See P.L. 5432	
33	9315518	1	1	1	1	1	CONTACTOR .. Starting - ST - Formerly 8415485 gen. starting aux. (GSA) and 8433397 starting (ST)	See P.L. 5377
34	8400143	1	1	1	1	1	CONTACTOR .. Generator field decay - GFD	
35	8332661	1	1	1	1	1	CONTACTOR .. Generator field - GF	See P.L. 5401
36	8330937	-	-	-	1	1	CONTACTOR .. Generator field auxiliary - GFA	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
-	.....	A	B	C	D	E	CABINET ASY. ... Electrical control
37	8411512	2	2	2	2	2	RELAY .. Transition - BTR,FSR,FTR,SWO - See P.L. 5450
φ*38	8473070	1	1	-	-	1	BAR .. Bus - Relay mtg. - 19-1/4 x 8 x 5 x 3/8 in. copper
φ 38	8479595	-	-	1	-	1	BAR .. Bus - Relay mtg. - 19-1/4 x 8 x 5 x 3/8 in. copper
38	8448215	-	-	-	1	-	BAR .. Bus - Relay mtg. - 20-1/4 x 8 x 5 x 3/8 in. copper
39	8335772	2	2	2	2	2	BLOCK .. Insulating - Bus - 4 x 3-11/16 x 1-1/4 in. - Incl. inserts
40	8449756	1	1	1	-	1	RELAY .. Engine lockout - ELR
40	8191734	-	-	-	1	-	RELAY .. Engine lockout - ELR See P.L. 5353
41	8355846	2	2	2	2	2	CLEAT .. Cable - (2) 7/16 dia. holes - 4 x 2-1/2 x 1-1/16 in. - Hardwood
42	8234831	1	1	-	1	1	TRANSFORMER .. T1
43	8351993	-	-	2	-	-	TRANSFORMER .. Generator potential - GPT1,GPT2
44	8365307	1	1	-	1	1	TRANSDUCTOR .. Field current - FCT
44	8422982	-	-	1	-	-	TRANSDUCTOR .. Field current - FCT
45	8273497	4	3	4	3	3	TRANSDUCTOR .. Wheel slip - WST12,16,24,34,35,56
46	8362828	4	3	4	3	3	PLATE .. Stud - Transducer mounting
47	8428635	1	1	1	1	1	BAR .. Bus - Generator shunt - 8-7/8 x 4 x 3/4 in. copper
48	8428636	2	2	2	2	2	BAR .. Bus - Term. conn. - 10-1/2 x 4 x 3/4 in. copper
49	8424685	2	2	2	2	2	INSULATOR .. Gen. shunt bus bar mounting - Molded polyester
50	8439538	3	3	3	3	3	PLATE ASY. ... Stud
51	8451653	1	1	1	1	1	RECTIFIER ASY. ... Exciter bridge - SCR
φ 52	8416094	1	1	1	1	1	RECTIFIER ASY. ... Batt. chrg. - 150A. - CR-BC
φ 52	8416096	-	1	-	1	-	RECTIFIER ASY. ... Batt. chrg. - 250A. - CR-BC
53	8004587	1	1	1	1	1	RESISTOR .. Battery charging - RE-BC
54	8473579	1	-	-	-	-	RESISTOR .. Motor field shunting - RE - FS56
54	8475465	-	1	-	-	-	RESISTOR .. Motor field shunting - RE - FS36
55	8473578	1	-	-	-	-	RESISTOR .. Motor field shunting - RE - FS34
55	8475464	-	1	-	-	-	RESISTOR .. Motor field shunting - RE - FS25
56	8473577	1	-	-	-	-	RESISTOR .. Motor field shunting - RE - FS12
56	8473798	-	1	-	-	-	RESISTOR .. Motor field shunting - RE - FS14
*57	8399938	-	-	-	-	1	RESISTOR .. Tube - RE11 - 4.8 Ohms - 400 Watts
*58	8481511	2	2	2	2	2	RESISTOR .. Wire wound - RE61,62 - 0.16 Ohms - 400 Watt
59	8277744	5	5	5	5	5	BOARD .. Terminal - 20 point - Faston tab connections
60	8292938	3	3	3	3	3	BOARD .. Terminal - 24 point - Faston tab connections
61	8353921	1	1	1	1	1	BOARD .. Terminal - 20 point - Screw connections
62	8354091	1	1	-	1	1	BOARD .. Terminal - 8 point - Screw connections
62	8259782	-	-	1	-	-	BOARD .. Terminal - 12 point - Screw connections
63	8114455	1	1	1	1	1	INSULATION .. Board mounting - 13-3/4 x 2-3/4 x 1/16 in. - Fiber
64	8263306	1	1	-	1	1	INSULATION .. Board mounting - 5 x 2-3/4 x 1/16 in. - Fiber
64	8259783	-	-	1	-	-	INSULATION .. Board mounting - 7-23/32 x 2-3/4 x 1/16 in. - Fiber
65	8078117	3	3	3	3	3	BAR .. Terminal connection - .047 x .550 x 1-7/8 in.
66	8109586	1	1	1	1	1	BAR .. Terminal connection - .047 x .550 x 3-1/8 in.
67	8429192	1	1	1	1	1	SWITCH .. Knife - High voltage cont. isolation - 2 pole - 30 A.
φ 68	8474047	1	1	-	-	-	PLATE .. Name - H.V. control isolation SW. - Spanish markings
φ 68	8429251	-	1	1	1	1	PLATE .. Name - H.V. control isolation SW. - English markings
φ 68	8488757	-	-	1	-	-	PLATE .. Name - H.V. control isolation SW. - Portugese markings
φ 68	8448657	-	-	-	1	-	PLATE .. Name - H.V. control isolation SW. - Persian markings
φ 68	8453409	-	-	-	1	1	PLATE .. Name - H.V. control isolation SW. - French markings
69	8421182	1	1	1	-	1	LAMP .. Slide base - 48 Volts - 2.5 Watts
70	8453283	1	1	1	-	1	LENS .. Green
71	8438423	1	1	1	-	1	SOCKET .. Slide base lamp - Incl. 1000 Ohms res.
72	8358944	3	3	3	-	3	STEM .. Hose - 1/8 M.P.T. - Brass - Minometer test
φ 73	8473739	1	1	-	-	-	PLATE .. Name - Air filters - Spanish markings
φ 73	9089871	-	1	-	-	1	PLATE .. Name - Air filters - English markings
73	8485748	-	-	1	-	-	PLATE .. Name - Air filters - Portugese markings
φ 73	9081009	-	-	-	-	1	PLATE .. Name - Air filters - French markings

See P.L. 6903

See P.L. 6902

Engine Filter
Restriction
Indicator

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required					Description
	-----	A	B	C	D	E	
							CABINET ASY. .. Electrical control
74	8465021	1	1	1	-	1	SWITCH .. Vacuum - Engine filter - EFS - See P.L. 181 for hose assembly (Catalog 300)
75	8473448	1	5	5	-	5	TUBE ASY. .. Switch and hose stem connection
* 76	8495877	As Req	-	AR			TUBING .. Black nylon - .170 I.D. x 1/4 O.D. - 200 ft. length (8-5/16 in. required) - Formerly 8860536
* 77	8453868	10	10	10	-	10	NUT .. Tube - 1/4 O.D. - Brass
* 78	8453869	10	10	10	-	10	SLEEVE .. Tube - 1/4 O.D. - Brass
* 79	8453870	10	10	10	-	10	SEAT .. Tube - 1/4 O.D. - Brass
80	8471009	1	1	1	-	1	VENT .. Breather - 1/8 pt.
81	141539	1	1	1	-	1	BUSHING .. Pipe reducing - 1/4 x 1/8
82	8250161	1	1	1	-	1	BUSHING .. Strain relief - 1/2 in. male
83	125620	3	3	3	-	3	CONNECTOR .. 1/4 tube x 1/8 F.P.T.
84	8040325	2	2	2	-	2	CONNECTOR .. 1/4 tube x 1/4 F.P.T.
85	116436	1	1	1	-	1	CONNECTOR .. 1/4 tube x 1/4 M.P.T.
86	127887	1	1	1	-	1	ELBOW .. 1/4 tube x 1/8 F.P.T. - 90°
87	118753	1	1	1	-	1	ELBOW .. 1/4 tube x 1/8 M.P.T. - 90°
88	8040347	1	1	1	-	1	ELBOW .. 1/4 tube x 1/4 F.P.T. - 90°
89	116453	1	1	1	-	1	ELBOW .. 1/4 tube x 1/4 M.P.T. - 90°
90	114794	1	1	1	-	1	NIPPLE .. Pipe - 1/8 x 2 in. long - Threaded both ends
91	8038646	1	1	1	-	1	BUSHING .. Insulating - 1-1/4 in.
92	8038587	1	1	1	-	1	NUT .. Lock - Conduit - 1-1/4 in.
93	8473444	2	2	2	-	2	COVER .. Access - 6-3/4 x 3 x 11 ga.
94	8485060	-	-	2	-	-	COVER .. Access - 5-3/4 x 4-3/8 x 16 ga.
95	8474159	-	-	-	-	2	COVER .. Access - 5-1/2 x 4 x 12 ga.
96	8475387	1	1	1	-	1	COVER .. Access - 9-3/4 x 5-1/2 x 12 ga.
97	8133198	As Req	-	AR			TAPE .. Pressure sensitive - 3/4 x 1/16 - 100 ft. roll (11 ft. required)
98	8186994	2	4	2	-	6	INSULATION .. Fiber - 3/4 I.D. x 7/8 O.D. x 6 in. long
99	8475659	2	2	2	-	2	INSULATION .. Fiber - 3/4 I.D. x 7/8 O.D. x 17-5/8 in. long
100	8475660	1	1	1	-	1	INSULATION .. Fiber - 1/16 x 1 x 1 x 19-3/4 in. long
101	8324100	-	-	-	AR	-	SEAL .. Rubber - 5/16 x 25/32 - Sold per foot (55 ft. required)
102	8431699	-	-	-	AR	-	GASKET .. Neoprene - Pressure sensitive - 1 x 3/16 - Sold per ft. (50 ft. req'd)
103	8282503	1	1	1	1	1	INSULATION .. Polyester foam - 28-5/8 x 13-1/2 x 1/2 in. thick
104	8485046	-	-	1	-	-	ENCLOSURE ASY. .. Circuit module - See P.L. 4002
105	8453967	-	-	1	-	-	MODULE ASY. .. GV12 - Gen. voltage regulator
106	8442229	-	-	1	-	-	MODULE ASY. .. GX2 - Gen. excitation regulator
107	8484405	-	-	1	-	-	MODULE ASY. .. PF25 - Performance control
108	8484912	-	-	1	-	-	PLATE .. Name - GV12
109	8484913	-	-	1	-	-	PLATE .. Name - GX2
110	8484914	-	-	1	-	-	PLATE .. Name - PF25
111	9320758	-	1	-	1	-	BREAKER .. Circuit - Trainline power - Steam gen. - 2 pole - 150 Amps. - 250 V.D.C. - Formerly 6921400
112	8452734	-	1	-	-	-	PLATE .. Name - English markings
112	8451550	-	-	-	1	-	PLATE .. Name - Persian markings
112	8456045	-	-	-	1	-	PLATE .. Name - French markings
113	----	As Required					CABLE .. Electrical cabinet
114	----	As Required					CLEAT .. Cable support
+115	----	-	-	-	-	-	FILTER APPLICATION .. Electrical cabinet - See P.L. 3247

} See P.L.
4001

} Trainline Power
Steam Generator - Inside

} See P.L. 9106

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

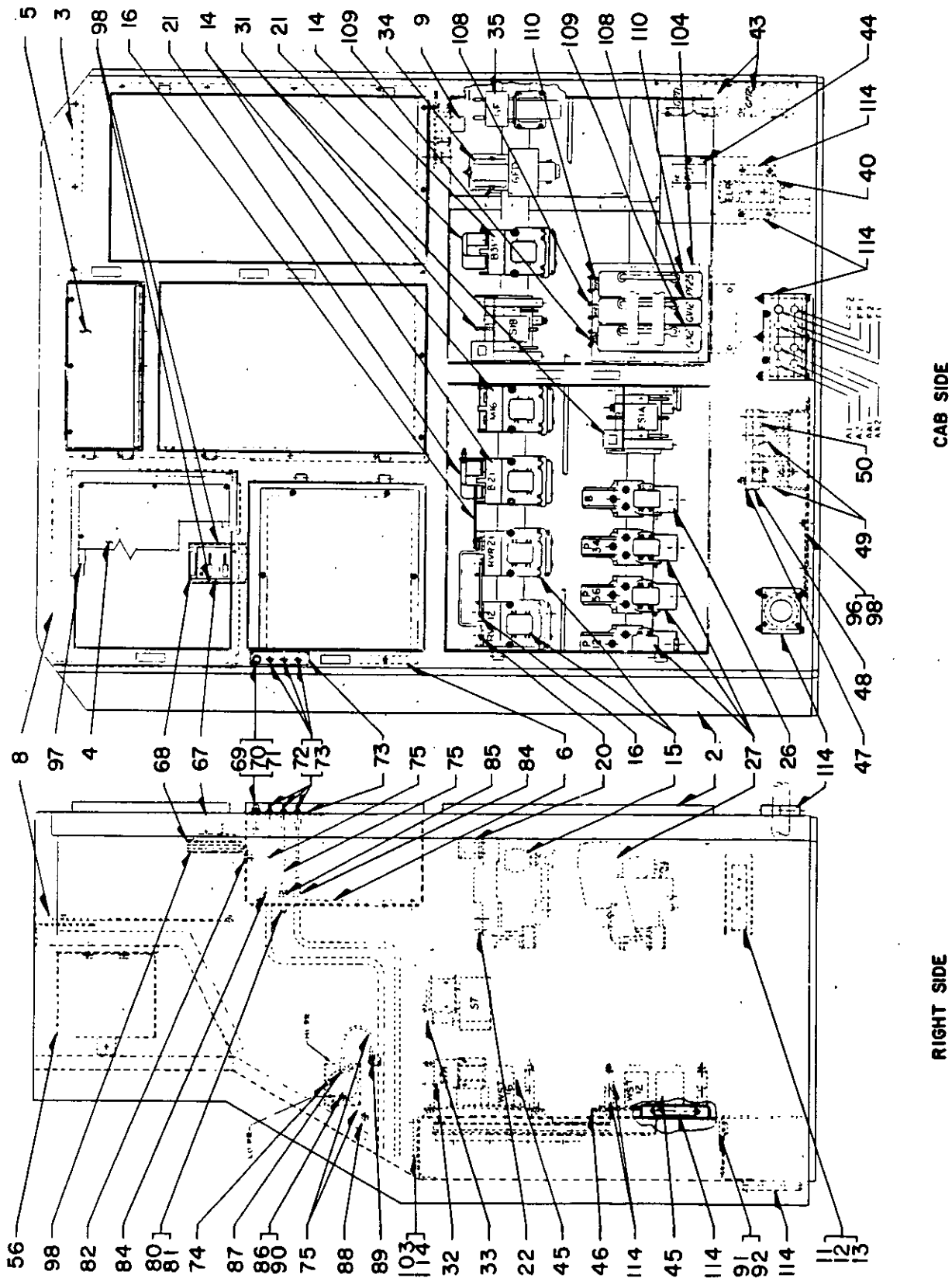
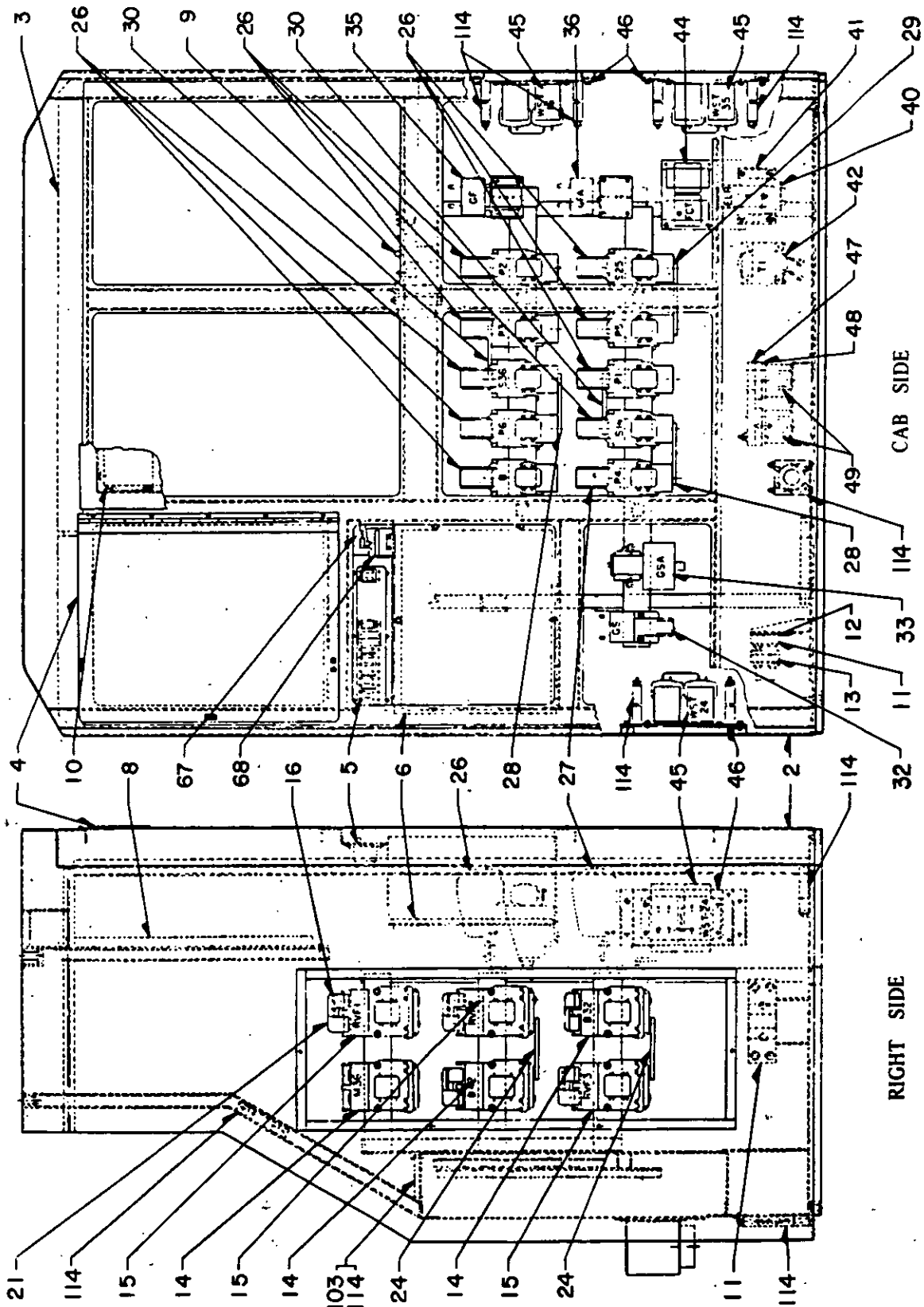


PLATE B3244-E-1

PLATE B3244-E-2

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

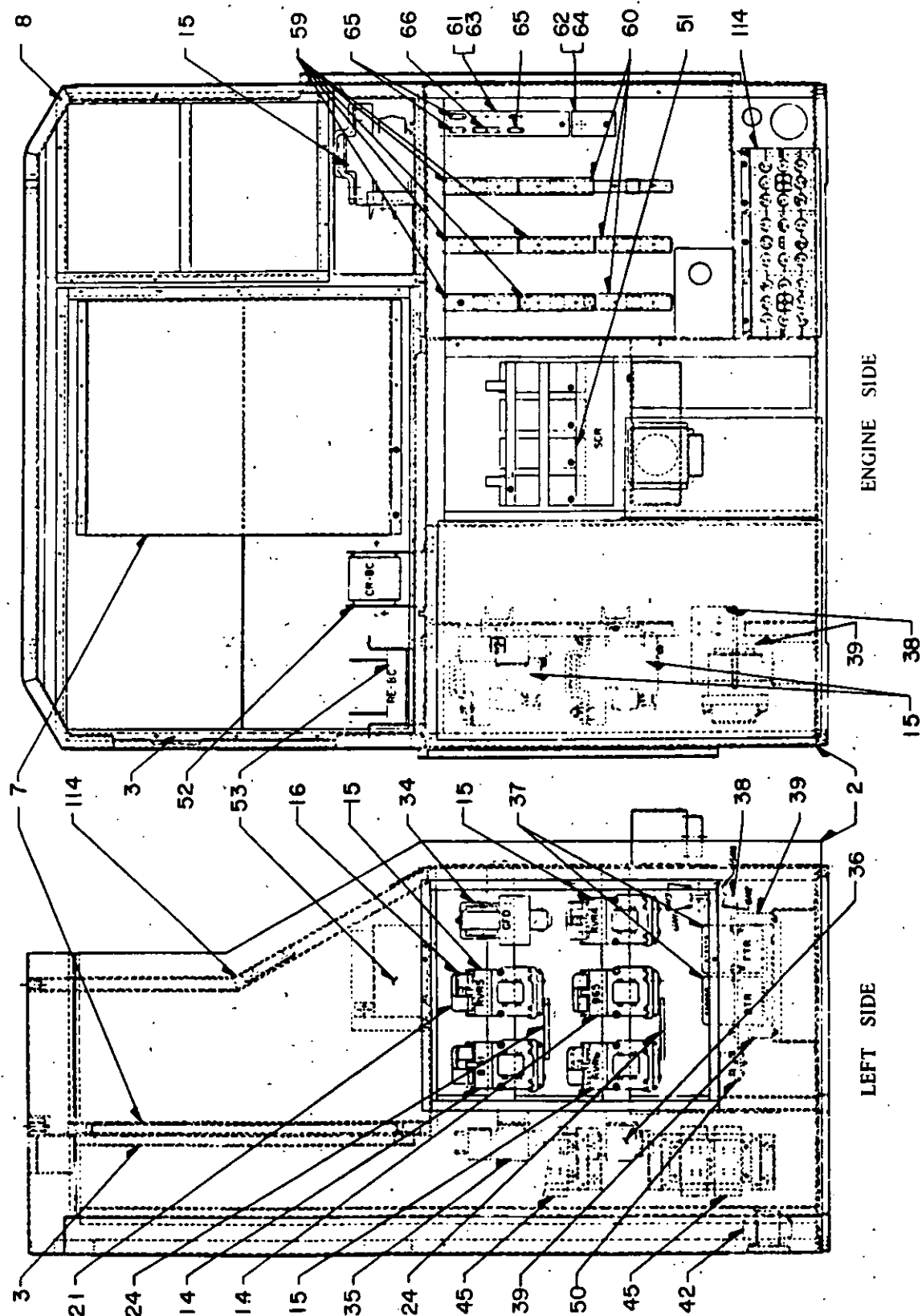


Ref. No. 1 Column D

PLATE B3244-E-3

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1 Column D

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
GL18M,GT22HW,JT22CW,JT22CW-2 and GT26CW-2 Locomotives
PLATES B3244-E-5 thru 14

Ref. No.	Part Number	Number Required					Description	Locomotive Application
		A	B	C	D	E		
1	9325601	1	-	-	-	-	CABINET ASY. .. Electrical control	GL18M
1	9513000	-	1	-	-	-	CABINET ASY. .. Electrical control	GT22HW
1	9313058	-	-	1	-	-	CABINET ASY. .. Electrical control	JT22CW
1	9501000	-	-	-	1	-	CABINET ASY. .. Electrical control	JT22CW-2
1	9508300	-	-	-	-	1	CABINET ASY. .. Electrical control	GT26CW-2
2	----	1	1	1	1	1	FRAME ASY. .. Cabinet - Includes doors - See Pages 25 thru 32	
3	----	1	1	1	1	1	PANEL ASY. .. Main control - See Pages 37 thru 40	
4	----	1	1	1	1	1	PANEL ASY. .. Engine control - See Pages 46 thru 48	
5	----	1	1	1	-	-	PANEL ASY. .. Circuit breaker - See Pages 49 thru 51	
6	----	-	-	-	1	1	PANEL ASY. .. Circuit breaker - See Pages 49 thru 51	
7	----	-	1	-	-	1	COMPARTMENT ASY. .. Circuit breaker and test panel - See Page 52	
8	----	1	-	1	-	-	PANEL ASY. .. Fuse and switch - See Page 53	
9	----	-	1	-	1	1	COMPARTMENT ASY. .. Fuse and switch - See Page 54	
10	9516346	-	1	-	-	-	PANEL ASY. .. Head end control - See Page 55	
11	----	1	-	2	-	-	PANEL ASY. .. Resistor - See Pages 59 and 60	
12	----	1	1	1	1	1	COMPARTMENT EQUIPPED .. Module - See P.L. 4002	
13	8441101	-	-	1	-	-	PANEL ASY. .. Test	
13	8441101	1	-	-	-	-	PANEL ASY. .. Test	
14	8440256	1	-	-	-	1	MODULE ASY. .. VR10 - Voltage regulator	
14	8457997	-	1	1	1	-	MODULE ASY. .. VR11 - Voltage regulator	
15	9098617	1	-	-	-	-	MODULE ASY. .. TH13 - Throttle response	
15	8482633	-	1	1	1	1	MODULE ASY. .. TH14 - Throttle response - Repl. 8462769	
φ 16	8461049	1	-	1	-	-	MODULE ASY. .. RC11 - Rate control	
φ 16	9319866	-	1	1	1	1	MODULE ASY. .. RC12 - Rate control	
17	9329637	1	-	-	-	-	MODULE ASY. .. FP17 - Feedback and performance	
17	9310007	-	1	1	1	-	MODULE ASY. .. FP12 - Feedback and performance	
17	9318191	-	-	-	-	1	MODULE ASY. .. FP14 - Feedback and performance	
18	8458900	1	1	1	1	1	MODULE ASY. .. SE10 - Sensor	
19	8453967	1	1	1	1	1	MODULE ASY. .. GV12 - Gen. voltage regulation	
20	8442229	-	1	-	1	1	MODULE ASY. .. GX2 - Gen. excitation regulation	
21	8460225	1	1	1	1	1	MODULE ASY. .. EL11 - Excitation limit	
22	8461868	1	1	1	-	-	MODULE ASY. .. AN10 - Annunciator	
22	9503807	-	-	-	1	-	MODULE ASY. .. AN10 - Annunciator - (Yugoslavian)	
22	9519400	-	-	-	1	-	MODULE ASY. .. AN16 - Annunciator - (French)	
23	8441080	1	1	1	1	1	MODULE ASY. .. WS10 - Wheel slip	
24	8441478	1	1	-	1	1	MODULE ASY. .. SA10 - Sanding	
25	9329684	1	-	-	-	-	MODULE ASY. .. WO13 - Wheel overspeed	
25	9336710	-	1	-	-	-	MODULE ASY. .. WO14 - Wheel overspeed	
φ 26	9099088	-	-	1	-	-	MODULE ASY. .. FS13 - Field shunt	
φ 26	9339787	-	-	1	1	-	MODULE ASY. .. FS16 - Field shunt	
27	8498709	-	-	1	-	-	MODULE ASY. .. EP11 - Engine purge	
28	9090718	-	-	-	-	1	MODULE ASY. .. TR12 - Transition	
29	9318545	-	-	-	-	1	MODULE ASY. .. DR14 - Dynamic brake regulator	
30	9318436	-	-	-	-	1	MODULE ASY. .. DP13 - Dynamic brake protection	
φ 31	8464117	6	4	-	3	6	SWITCH .. Magnetic - RVF,RVR - Without motor cut-out	
φ 31	8464118	-	-	3	-	6	SWITCH .. Magnetic - RVF,RVR - With motor cut-out	
32	8464116	-	-	-	-	5	SWITCH .. Magnetic - B32,B42,B51,B65,M36	
33	8456668	3	-	-	-	-	BAR .. Bus - "U" shaped - 11-3/8 x 2-1/2 x 2-1/4 x 1/4 in. copper	
34	8435171	3	-	-	-	-	BAR .. Bus - 6-3/8 x 2-1/4 x 1/4 in. copper	
35	8458018	3	-	-	-	-	BAR .. Bus - Rear - 11-3/8 x 2-1/4 x 1/4 in. copper	
36	8333315	-	4	3	3	8	BAR .. Bus - "S" shaped - 10-3/4 x 1-1/2 x 1/2 in. - 1-9/16 in. high	
37	8333316	-	4	3	3	6	BAR .. Bus - "S" shaped - 10-3/4 x 1-1/2 x 1/2 in. - 2-5/16 in. high	
38	8465188	-	-	-	-	2	BAR .. Bus - Flexible	
39	9522812	-	-	-	-	4	BAR .. Bus - 4-1/2 x 2-1/4 x 1/4 in. copper	
40	9513107	-	-	-	-	1	BAR .. Bus - "L" shaped - 29-7/8 x 5 x 1/4 in. copper	
40A	8425871	-	-	-	-	2	BAR .. Bus - 90° angle - 2-1/2 x 2-1/4 x 1-7/8 x 1/4 in. copper	
41	8461331	3	4	-	-	10	CONTACTOR .. Power - P1 - 6, 16, 25, 34, S14, 25, 36, B	
42	8461332	-	-	3	3	-	CONTACTOR .. Power - SP14,SP25,SP36	
42	8435171	-	-	-	-	6	BAR .. Bus - 6-3/8 x 2-1/4 x 1/4 in. copper	

See P.L.
4001See P.L.
5426See P.L.
5424

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
	----						CABINET ASY... Electrical control
43	8482180	1	1	1	1	1	CONTACTOR .. Starting auxiliary - STA - See P.L. 5432
44	9315518	1	1	-	1	1	CONTACTOR .. Starting - ST
44	8415485	-	-	1	-	-	CONTACTOR .. Starting - ST } See P.L. 5377
45	8400143	1	1	1	1	1	CONTACTOR .. Gen. field decay - GFD
46	8330937	1	1	1	1	2	CONTACTOR .. Gen. field - GFC,GFA - See P.L. 5401
47	8314549	-	1	-	-	-	CONTACTOR .. Static exciter - SEC - See P.L. 5402
48	8459697	-	1	-	-	-	CONTACTOR .. Head end power - PHE - See P.L. 5406
49	8473366	-	-	1	-	-	CONTACTOR .. Engine purge - EPC - See P.L. 5381
50	8419344	-	-	2	2	-	CONTACTOR .. Field shunting - FS1,FS2 - See P.L. 5408
51	9311520	-	-	2	-	-	BAR .. Bus - "U" shaped - 10 x 3/4 x 1-1/4 x 1/4 in.
51	9503227	-	-	-	2	-	BAR .. Bus - "U" shaped - 11-3/8 x 5-1/4 x 1-1/4 x 1/4 in.
52	9515858	-	1	-	-	-	REGULATOR .. Head end gen. static exciter - SRHG
53	8484755	-	1	-	-	-	REGULATOR .. Current - Two receiver
54	8370241	1	-	-	-	-	PANEL ASY... Ammeter shunt - See P.L. 3249
55	8198528	1	-	-	-	-	INSULATION .. Panel mtg. - 7-1/4 x 1-1/2 x 1/16 in. - Fiber
56	8197308	1	-	1	-	-	SHUNT .. Ammeter - 50 MV. - 500 Amp.
56	8221444	-	1	-	1	1	SHUNT .. Ammeter - 50 MV. - 1000 Amp.
57	8423444	-	2	-	2	2	INSULATOR .. Standoff - 2-1/2 x 2-1/2 x 1-1/2 - Shunt mtg.
57	9097318	-	-	2	-	-	INSULATOR .. Standoff - 2 in. dia. x 2 in. high - Shunt mtg.
58	8351993	2	2	-	-	1	TRANSFORMER .. GPT-1,GPT2
59	8234831	-	1	-	-	-	TRANSFORMER .. TFD
60	9515805	-	3	-	-	-	TRANSFORMER .. GST1,GST2,GST3
61	8460403	1	2	1	2	2	TRANSDUCTOR .. ELT,FCT
62	8465002	3	4	3	3	3	TRANSDUCTOR .. Wheel slip - WST 12,14,16,23,24,25,34,35
63	9325539	3	-	-	-	-	PLATE ASY... Stud - Transducer mounting
64	8454696	12	-	-	-	-	CLEAT .. Transducer cable support
65	8458945	6	-	-	-	-	PAD .. Cleat mounting - 6 x 1 x 3/16 in.
66	9506910	-	8	-	-	6	BAR .. Bus - "L" shaped - 10-1/2 x 4 x 1-1/2 x 3/8 in.
66	8463787	-	-	6	6	-	BAR .. Bus - "L" shaped - 8 - 3/4 x 4 x 1 - 1/2 x 3/8 in.
67	8423444	-	19	13	15	17	INSULATOR .. Standoff - 2-1/2 x 2-1/2 x 1-1/2 in.
68	9325540	1	-	-	-	-	BAR .. Bus - 8 x 6-5/8 x 3/8 in. copper - GN
68	9510535	-	1	-	-	1	BAR .. Bus - 11-1/8 x 4 x 1/2 in. copper - GN
68	9321170	-	-	1	1	-	BAR .. Bus - 14-1/2 x 4 x 1/2 in. copper - GN - Formerly 9310963
69	8428636	2	-	-	-	-	BAR .. Bus - 10-1/2 x 4 x 3/4 in. copper - GS,GP
69	9316533	-	-	2	-	-	BAR .. Bus - 7 x 4 x 1/2 in. copper - GS,GP
70	9516463	-	1	-	-	-	BAR .. Bus - "L" shaped x 150 - 9 x 4-1/2 x 4 x 1/2 in. copper - GS
70	9502930	-	-	-	1	-	BAR .. Bus - 10-3/4 x 4 x 1/2 in. copper - GS
70	9510553	-	-	-	-	1	BAR .. Bus - 11-1/8 x 4 x 1/2 in. copper - GS
71	9510534	-	1	-	-	1	BAR .. Bus - 11-1/8 x 4 x 1/2 in. copper - GP
71	9502931	-	-	-	1	-	BAR .. Bus - "L" shaped - 10-3/4 x 5 x 4 x 1/2 in. copper - GP
72	8428635	1	-	-	-	-	BAR .. Bus - 8-7/8 x 4 x 3/4 in. copper - GS to GP
72	8463949	-	1	1	1	1	BAR .. Bus - 9-1/4 x 4 x 1/2 in. copper - GS to GP
73	9321244	-	-	2	-	-	BAR .. Bus - 9-1/2 x 4 x 1/2 in. copper - Formerly 8465477
74	8465061	-	-	1	-	-	BAR .. Bus - Flexible - 11-1/2 x 1-5/8 in.
75	8424685	4	-	-	-	-	INSULATOR .. Standoff - 6 x 3-1/2 x 3-1/2 in. high
76	8429538	2	3	3	3	3	PLATE ASY... Stud - Bus bars
77	8451653	1	1	1	1	1	RECTIFIER ASY... Exciter bridge - SCR
78	8416094	1	-	-	-	-	RECTIFIER ASY... Battery charging - CR-BC
79	8479400	-	1	1	1	-	RECTIFIER ASY... Batt. chrg. - Incl. resistor - BC-ASSEM
79	9317803	-	-	-	-	1	RECTIFIER ASY... Batt. chrg. - Incl. resistor - CR-BC
80	8004587	1	-	1	-	-	RESISTOR .. Batt. chrg. (Col. A) eng. purge (Col. C) - RE-BC,RE-EPC
81	9325811	1	-	-	-	-	RESISTOR .. RE-9 - 5.6 Ohms - 600 Watts
82	9325812	1	-	-	-	-	RESISTOR .. RE-11 - 52 Ohms - 400 Watts
83	8481510	1	-	-	-	-	RESISTOR .. RE-12 - 32 Ohms - 400 Watts
84	9339108	-	2	-	-	2	RESISTOR .. RE-11,12 (Col. B) - RE61,62 (Col. E) - 16 Ohms - 400 Watts
85	8283943	-	-	2	-	-	RESISTOR .. RE-23,24 - 5/8 Ohms - 400 Watts
86	8484624	6	-	-	-	-	BRACKET .. RE-9,11,12 resistor mounting
87	9312709	-	-	1	-	-	GUARD ASY... RE-23,24 resistor

See P.L.
6903

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
	87A 9096999	-	-	1	-	-	CABINET ASY. .. Electrical control
		-	-	1	-	-	CABINET EQUIPPED .. Control - Immersion heater
* 88		-	-	1	-	-	KIT .. Armature and magnet
* 89		-	-	1	-	-	COIL .. Magnet
* 90		-	-	1	-	-	INTERLOCK .. Internal holding
* 91		-	-	1	-	-	KIT .. Contact
* 92		-	-	1	-	-	COVER .. Cabinet
* 93		-	-	1	-	-	TRANSFORMER .. 380/110 Volts - 100 V.A. - 50 Hertz
* 94		-	-	1	-	-	BLOCK .. Fuse
* 95		-	-	1	-	-	FUSE .. Buss
96	8260162	-	-	1	-	-	ELBOW .. 1 in. conduit - 90°
97	8171859	-	-	1	-	-	COVER ASY. ... Pulling elbow - 1 in.
98	8143873	-	-	1	-	-	NIPPLE .. Conduit - 1 x 4 in. long
99	8038596	-	-	2	-	-	BUSHING .. Insulating - 1 in. female
100	8038586	-	-	1	-	-	NUT .. Lock - Conduit - 1 in.
101	8038597	-	-	1	-	-	BUSHING .. Insulating - 1-1/4 in. female
102	8038587	-	-	1	-	-	NUT .. Lock - Conduit - 1-1/4 in.
103	9098615	-	-	1	-	-	CABLE ASY. .. Immersion heater cabinet
104	9325480	1	-	-	-	-	SWITCH .. Rotary - Motor cut-out - 2 pos. - 8 pole
104	8410838	-	-	1	-	-	SWITCH .. Rotary - Motor cut-out - 4 pos. - Solenoid lock
105	9328284	1	-	-	-	-	PLATE .. Name - "SW operation - 4/Mtr. - 6/Mtr." - French
105	8480873	-	-	1	-	-	PLATE .. Name - Traction motor lockout
106	9316310	-	-	1	-	-	PLATE .. Name - "Caution - Max. cranking ... With starter"
107	8170335	-	-	1	-	-	SWITCH .. Push button - Batt. chrg. cut-out
108	8150199	-	-	1	-	-	SWITCH .. Toggle - D.P.S.T. - Eng. room lights
108	8004611	-	-	-	1	-	SWITCH .. Toggle - D.P.D.T. - Eng. room lights
109	8004819	-	-	-	1	-	COVER .. Toggle switch
110	8319657	-	1	-	-	-	RECEPTACLE .. Filter blower motor - 3 pole
111	8458022	-	1	-	-	-	GASKET .. Receptacle mounting
112	8004362	-	-	1	-	-	RECEPTACLE .. Battery charging - 2 pole
113	8038646	-	-	1	-	-	BUSHING .. Insulating - 1-1/4 in. male
114	8297967	-	-	1	-	-	STRIP .. 4-7/8 x 1/2 x 11 ga.
115	8260287	-	-	1	-	-	RECEPTACLE .. REC74VAC - 2 pole - 15A @ 125V.
116	8280439	-	-	1	-	-	COVER .. Receptacle
117	8273219	-	-	1	-	-	LAMP ASY. ... Incl. socket, globe and guard
118	8094886	-	-	1	-	-	LAMP .. Medium screw base - 75V. - 50 W
119	8038594	-	1	3	-	1	BUSHING .. Insulating - 1/2 in. female
120	8038584	-	-	2	-	-	NUT .. Lock - Conduit - 1/2 in.
121	8038643	-	1	-	-	1	BUSHING .. Insulating - 1/2 in. male
122	8142966	-	-	2	-	-	NIPPLE .. Conduit - 1/2 x 3 in. long
123	8465021	-	1	-	-	1	SWITCH .. Pressure - FVS
124	8495877	-	AR	-	-	AR	TUBING .. Nylon - 1/4 O.D. - 200 ft. Col. B: Approx. 6 ft. required - Col. E: Approx. 4 ft. required
125	8453870	-	4	-	-	4	SEAT .. Nylon tube - 1/4
126	8453869	-	4	-	-	4	SLEEVE .. Nylon tube - 1/4
127	8453868	-	4	-	-	4	NUT .. Nylon tube - 1/4
128	118753	-	3	-	-	-	ELBOW .. 1/4 tube x 1/8 M.P.T. x 90°
129	116453	-	-	-	-	3	ELBOW .. 1/4 tube x 1/4 M.P.T. x 90°
130	105423	-	-	-	-	1	ELBOW .. 1/4 tube x 90°
131	8360925	-	4	-	-	-	CLAMP .. Tube - 1/4 in. I.D. - Insulated
132	8298162	1	1	-	-	1	BOARD .. Terminal - 4 pt. - Faston connections
133	8354091	1	-	-	-	-	BOARD .. Terminal - 8 pt. - Screw connections
134	8263308	-	-	1	-	-	BOARD .. Terminal - 8 pt. - Screw connections
135	9507683	-	5	-	-	5	BOARD .. Terminal - 8 pt. (Two term. each) - Screw connections
136	9331354	-	-	-	-	5	BOARD .. Terminal - 8 pt. (Two term. each) - Screw connections
137	8353921	1	-	2	-	-	BOARD .. Terminal - 20 pt. - Screw connections
138	8277744	5	-	4	-	-	BOARD .. Terminal - 20 pt. - Faston connections
139	9331353	-	7	-	-	7	BOARD .. Terminal - 20 pt. (Six tabs each) - Faston connections
140	8292938	3	-	1	-	1	BOARD .. Terminal - 24 pt. - Faston connections
141	8263306	1	-	-	-	-	INSULATION .. Board mtg. - 5-1/8 x 2-3/4 x 1/16 in. - Appl. with ref. no. 133
142	8114455	1	-	-	-	-	INSULATION .. Board mtg. - 13-3/4 x 2-3/4 x 1/16 in. - Appl. with ref. no. 137
143	8073117	3	-	3	-	-	BAR .. Bus - 1-7/8 x .550 x .047 in.
144	8109586	-	-	2	-	-	BAR .. Bus - 3-1/8 x .550 x .047 in.
145	9339250	-	-	-	-	1	BREAKER .. Circuit - Trainline steam pressure - 2 pole - 100 A.
146	9504286	-	-	-	-	1	PLATE .. Name - T/L steam generator - Yugoslavian markings
147	8421197	-	-	-	-	1	SEAL .. Module compartment mtg. - 1-1/4 x 3/8 in. - Sold per ft.
*148	----	-	-	-	-	-	CABLE .. Electrical cabinet - See P.L. 9106

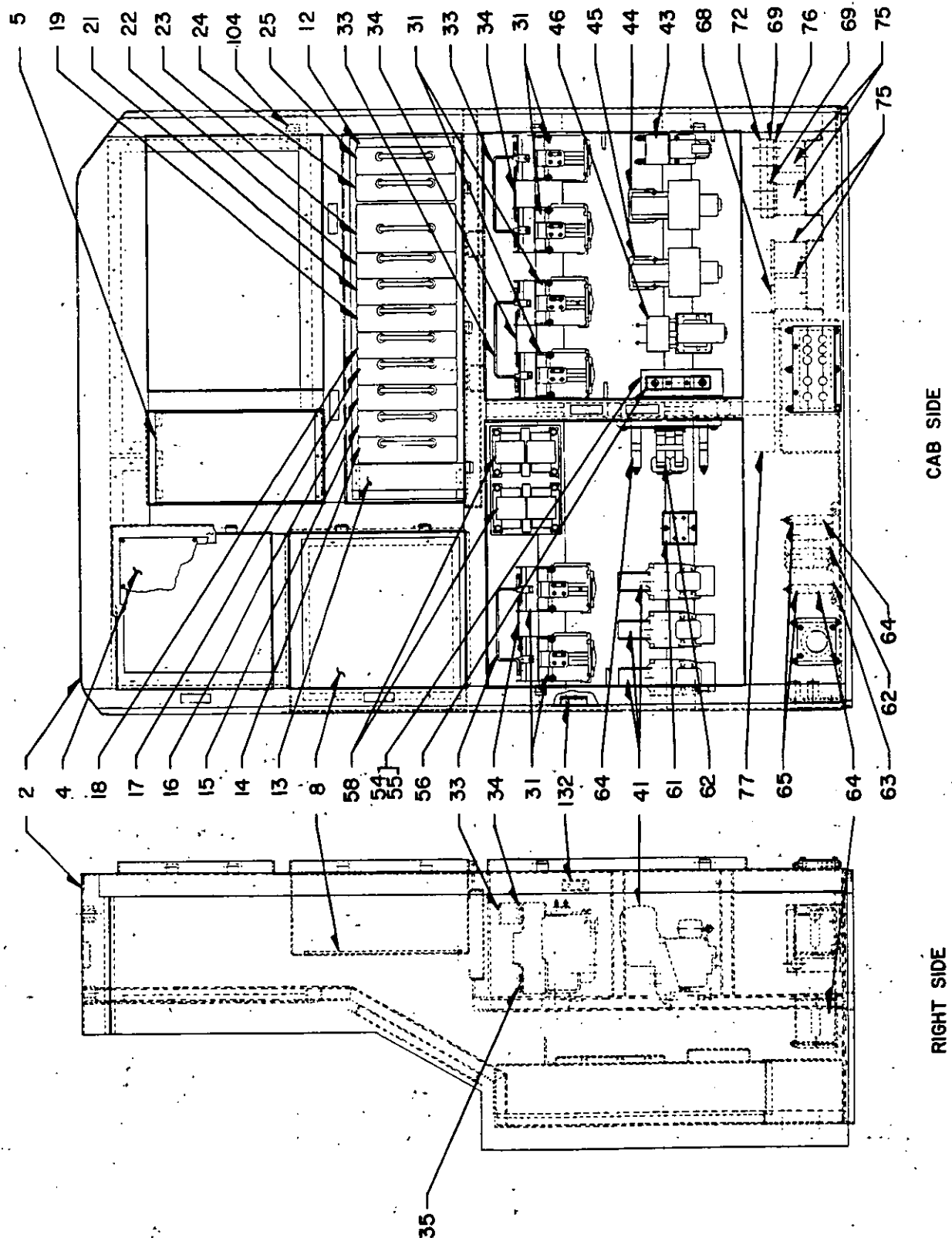
C3244-E

10

AUGUST, 1980

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



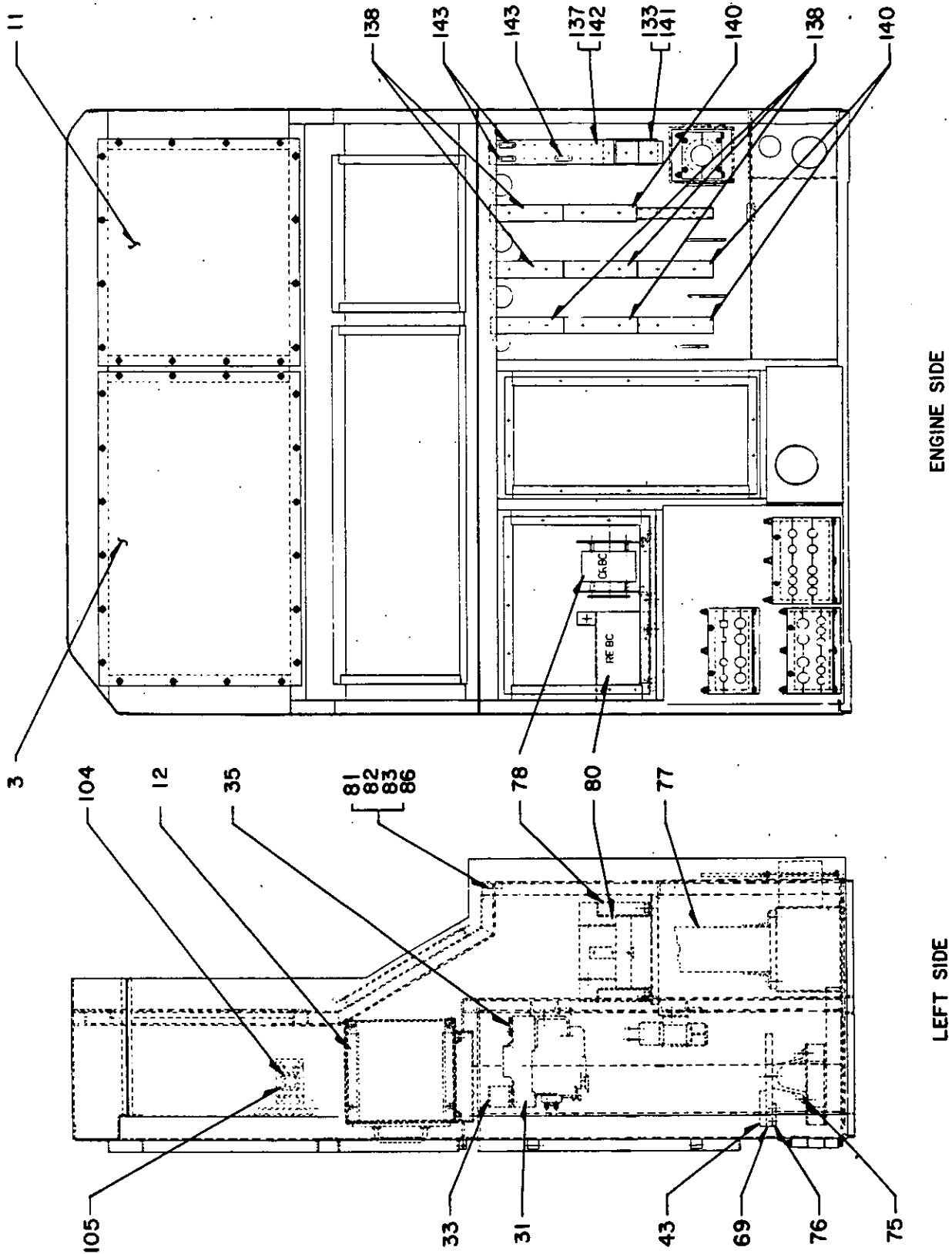
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PLATE B3244-E-5

AUGUST, 1980

C3244-E

P.L. No. C3244-E

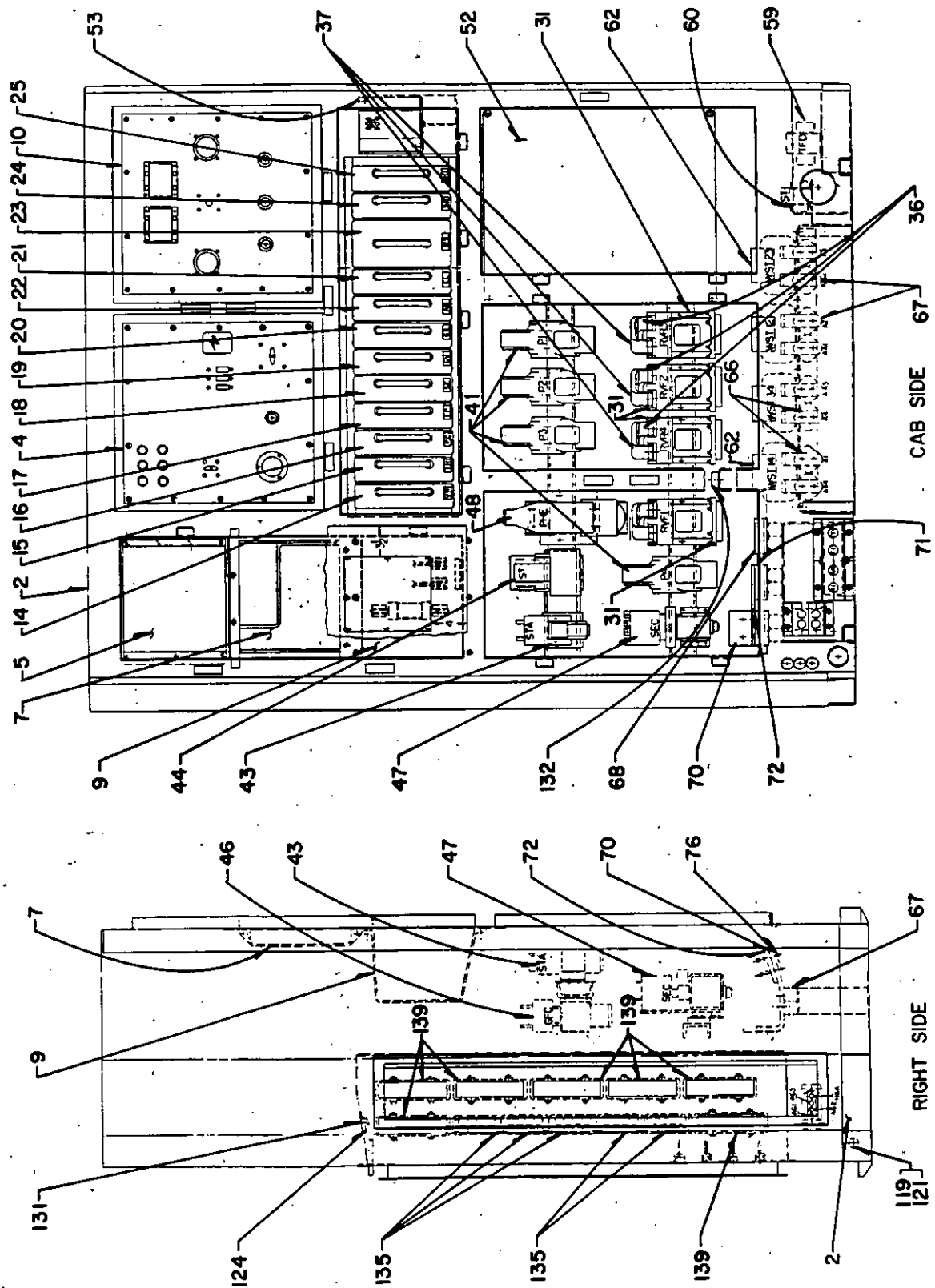
ELECTRICAL CONTROL CABINET



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PLATE B3244-E-6

P.L. No. C3244-E

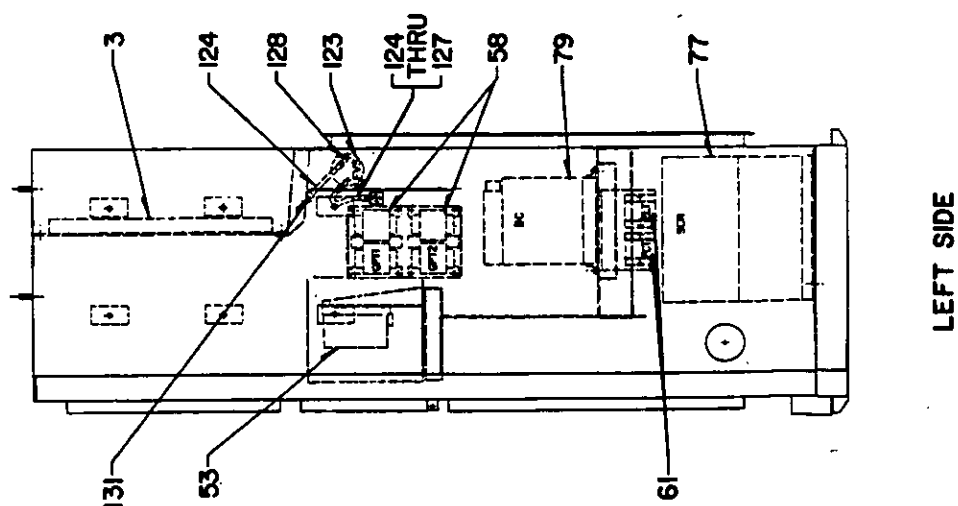
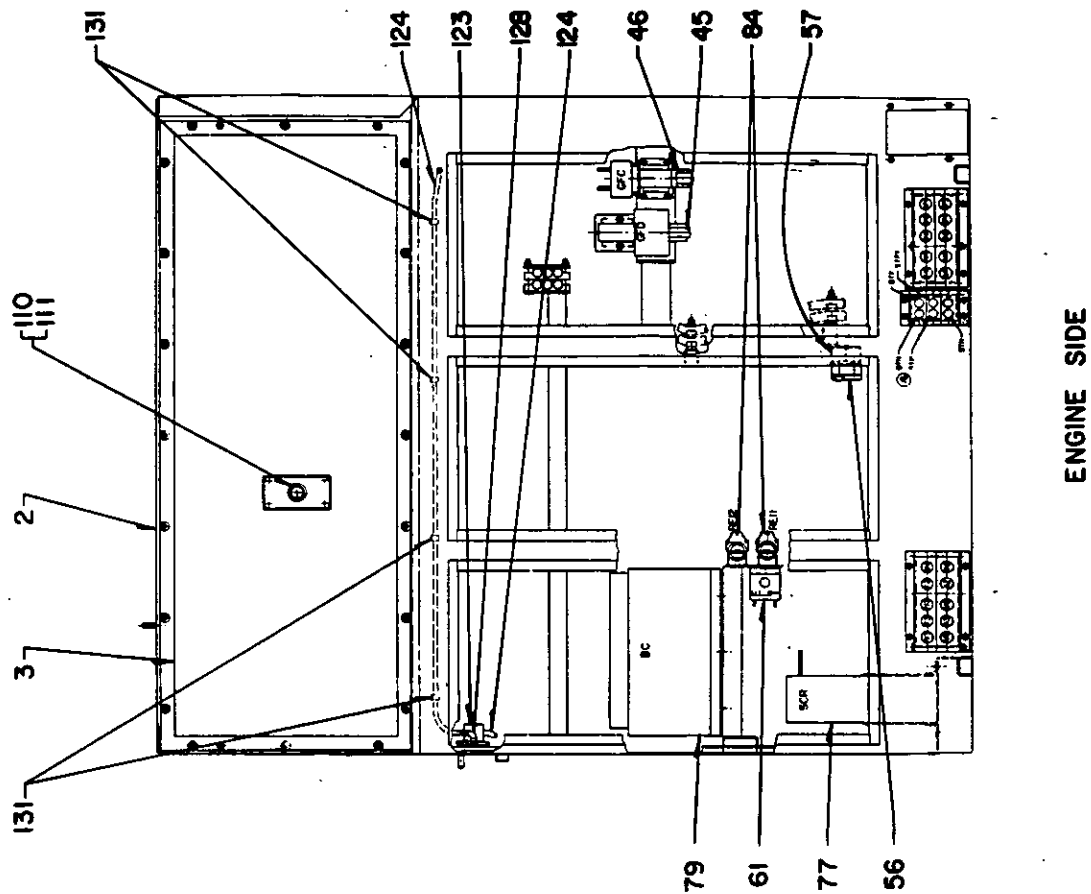
ELECTRICAL CONTROL CABINET



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PLATE B3244-E-7

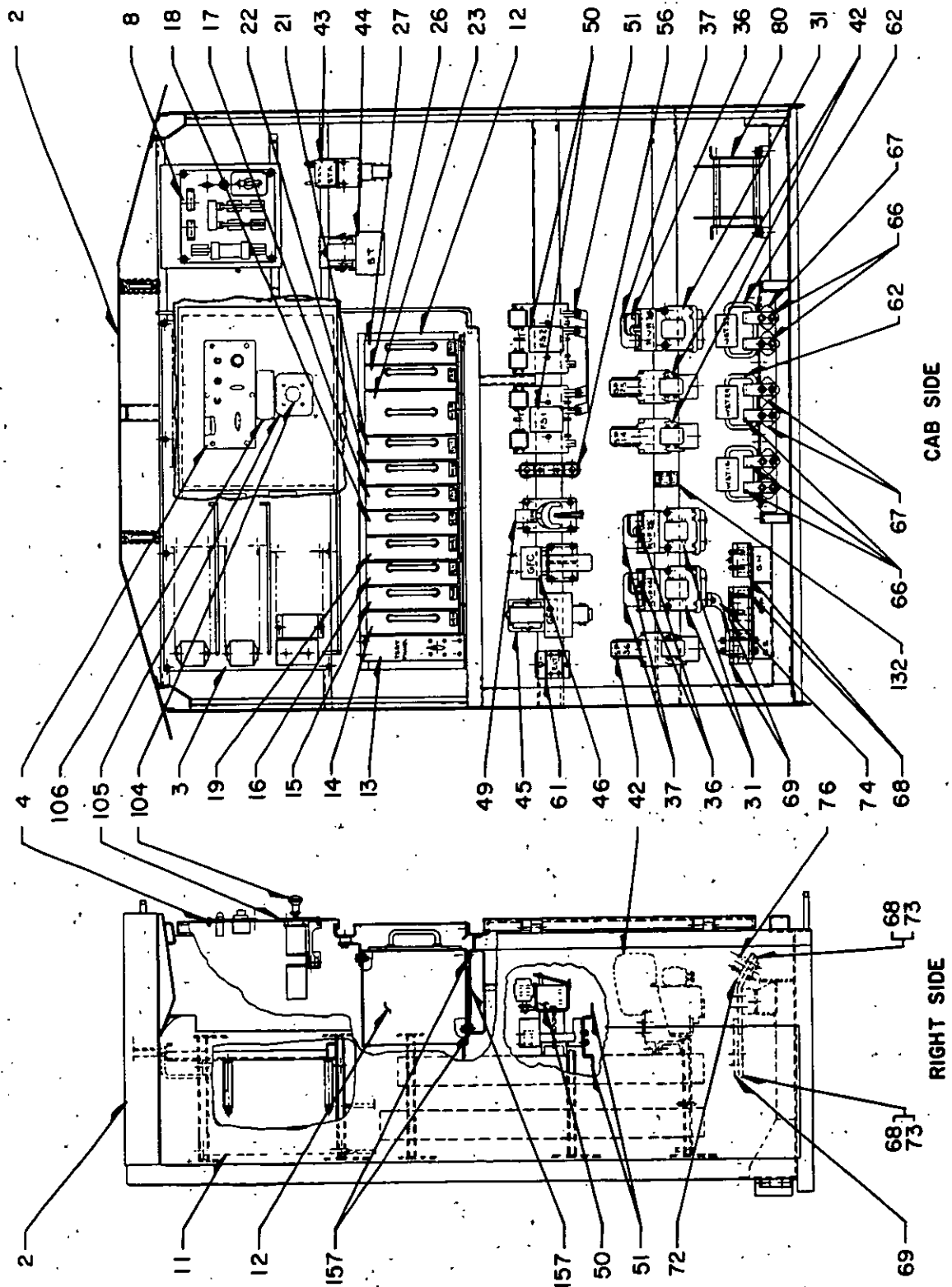
P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. B
PLATE B3244-E-8

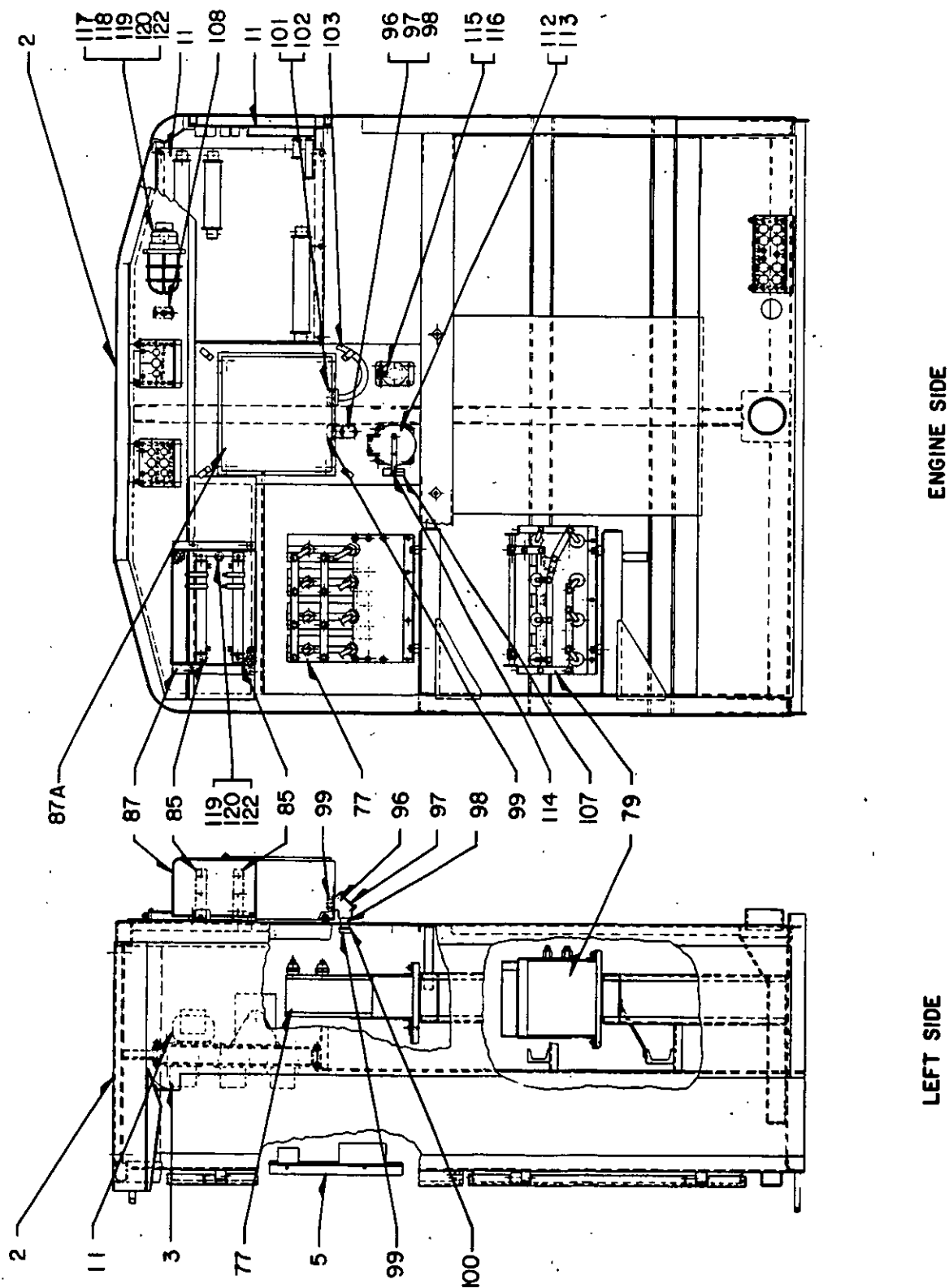
ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. C
PLATE B3244-E-9

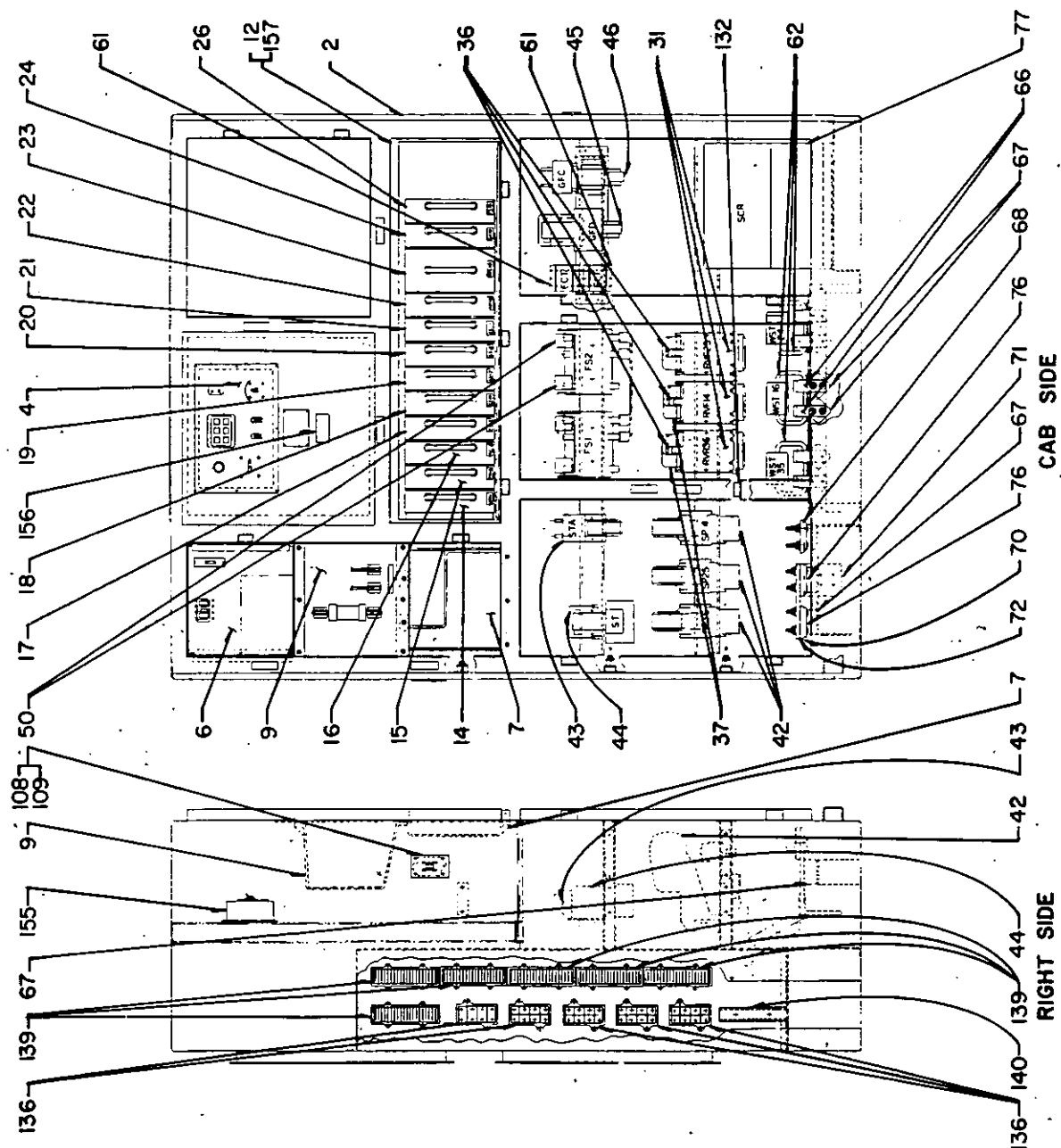
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ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. C
PLATE B3244-E-10

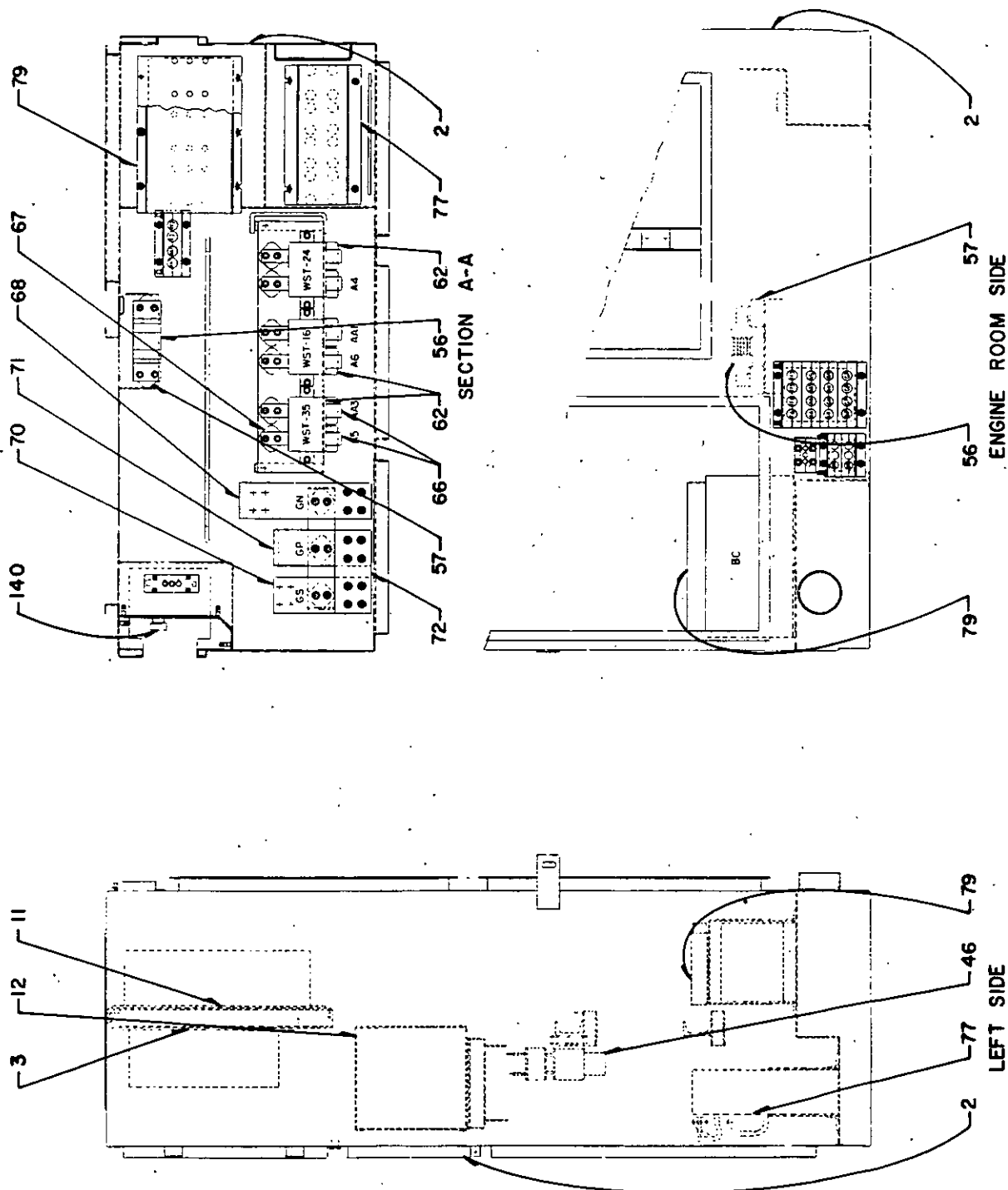
ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. D
 PLATE B3244-E-11

P.L. No. C3244-E

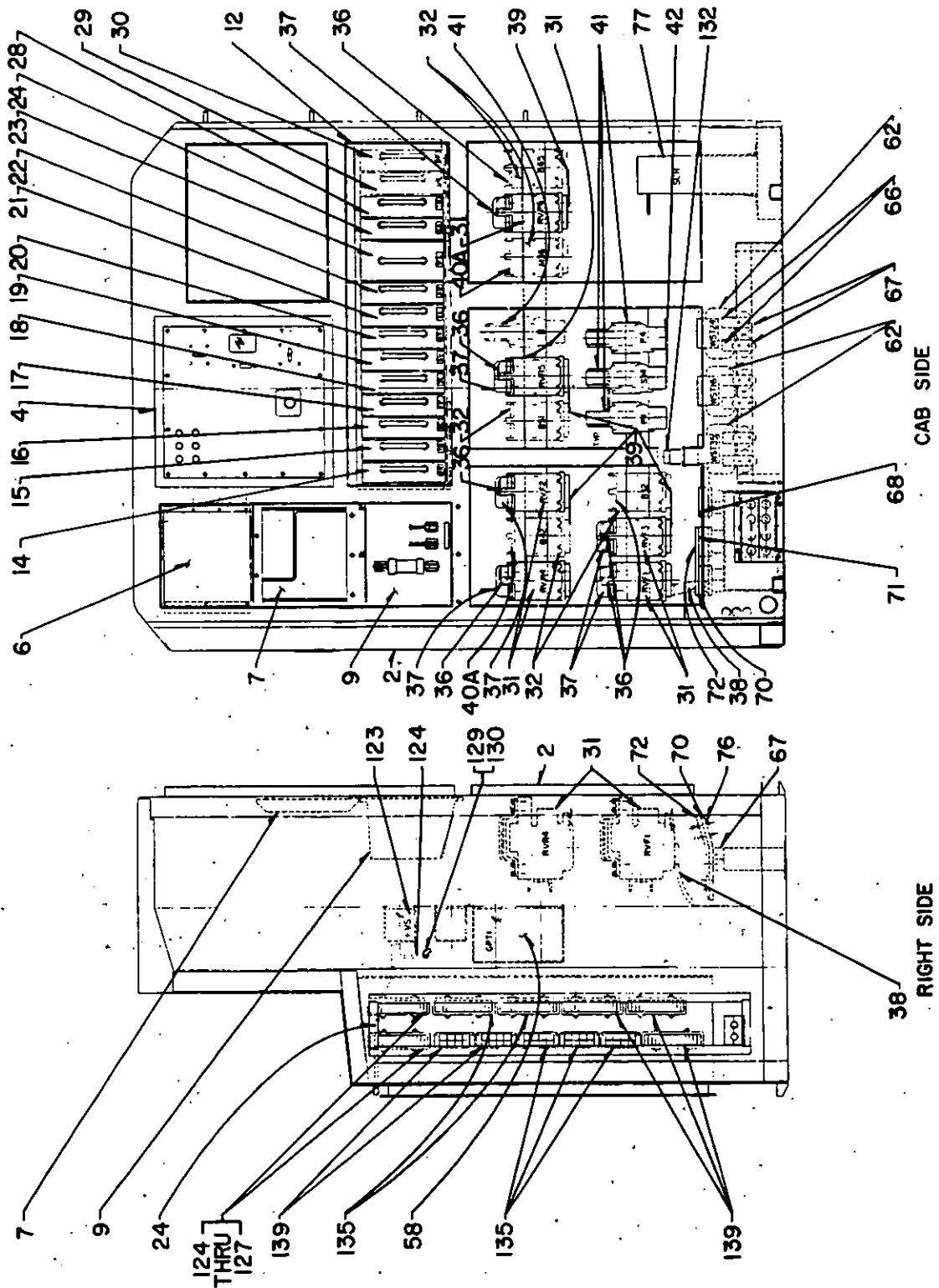
ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. D
PLATE B3244-E-12

P.L. No. C3244-E

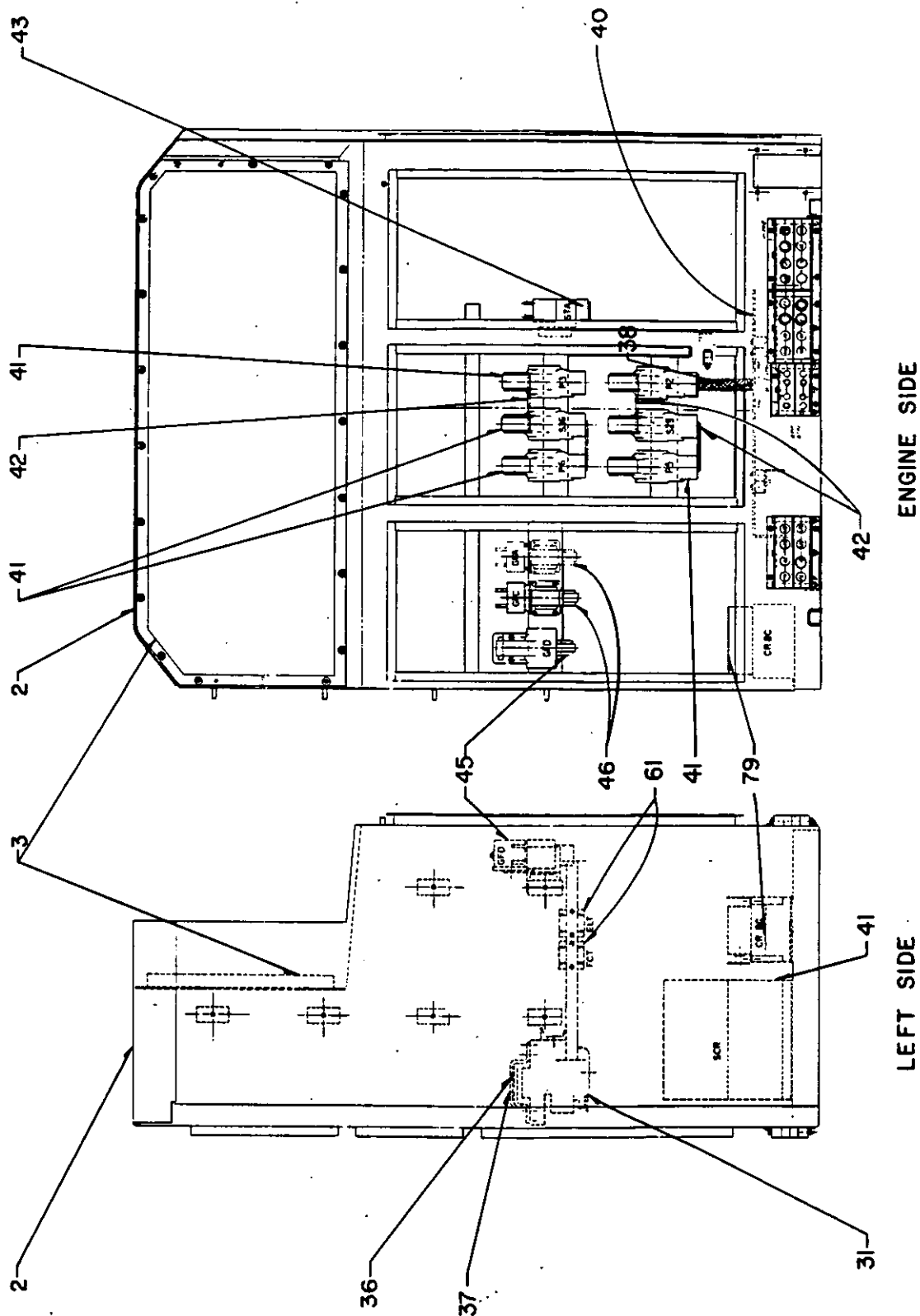
ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. E
 PLATE B3244-E-13

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. E
PLATE B3244-E-14

ELECTRICAL CONTROL CABINET

Frame Assembly

GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

PLATE B3244-E-15

Ref. No.	Part Number	No. Req.	Description
1	8472065	1	FRAME ASSEMBLY .. Electrical cabinet

ENGINE ROOM SIDE

2	8472384	1	COVER ASSEMBLY .. Insulated - L.S. center - 42-3/4 x 22-5/8
3	8472448	1	COVER ASSEMBLY .. Insulated - R.S. center - 22-5/8 x 15-1/4
4	8472410	1	COVER ASSEMBLY .. Insulated - L.S. lower - 31-5/8 x 14-1/8
5	8447684	1	COVER ASSEMBLY .. Non-insul. - R.S. lower - 31-3/4 x 28-1/2
6	8031902	2	HANDLE .. Cover
* 7	8198104	A.R.	COMPOUND .. Caulking - 1-1/2 lb. can
* 8	8210618	A.R.	SEALER .. Light brown - 1 gal. can
9	9419646	4	SCREW .. Tapping - 1/4-20 x 5/8 hex. washer head
10	180122	28	BOLT .. 3/8-16 x 1 hex. head
11	120394	28	WASHER .. Plain - 3/8
12	120382	28	WASHER .. Lock - 3/8

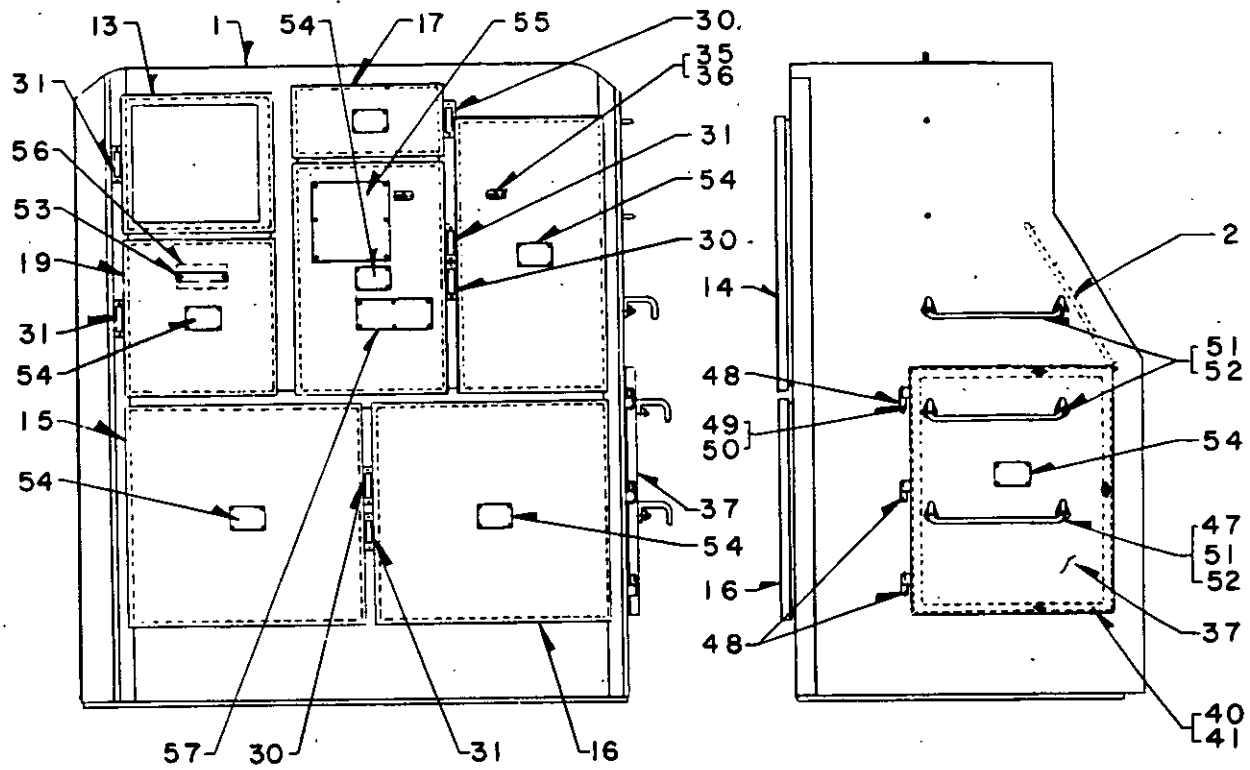
CAB ROOM SIDE

13	8472567	1	DOOR ASSEMBLY .. L.S. upper - 20-3/4 x 20-3/8
14	8472579	1	DOOR ASSEMBLY .. R.S. upper - 36-3/8 x 20-7/16
15	8472519	1	DOOR ASSEMBLY .. L.S. lower - 31-1/2 x 29-1/2
16	8472526	1	DOOR ASSEMBLY .. R.S. lower - 31-1/2 x 29-1/2
17	8472572	1	DOOR ASSEMBLY .. Ctr. upper - 20-7/16 x 9-3/4
18	8472580	1	DOOR ASSEMBLY .. Ctr. lower - 20-7/16 x 30-3/4
19	8472563	1	DOOR ASSEMBLY .. L.S. center - 20-3/4 x 20-3/8
*20	8424718	1	PIN .. Hinge - 1/4 O.D. x 7/8 in. long - Stainless steel
*21	8461173	2	BLOCK .. Hinge retaining - 1-1/4 x 1-1/8 x 3/4 - Steel
*22	180016	4	BOLT .. Hinge block mounting - 1/4-20 x 1/2 hex. head
*23	8467339	2	PIN .. Hinge - 3/8 O.D. x 2-1/16 in. long
*24	8399904	1	BUMPER .. Rubber
*25	8035123	1	NUT .. Lock - 10-24 hex.
*26	8465366	1	BRACKET .. Bumper mounting - Welded to door
*27	8160951	1	HOLDER ASSEMBLY .. Fuse - Welded to door
28	8421197	A.R.	SEAL .. Rubber - 1-1/4 x 3/8 - Sold per foot (90 in. required)
29	8255268	A.R.	ADHESIVE .. Rubber seal - 1 quart can
30	8425276	3	LATCH ASSEMBLY .. Door - Left hand
31	8425277	4	LATCH ASSEMBLY .. Door - Right hand
32	9420449	14	SCREW .. Tapping - 10-24 x 1/2 pan head - Cross recess
*33	8461174	8	PIN .. Hinge
*34	8460723	14	BLOCK .. Hinge - Welded to frame - 1-1/4 x 1-1/8 x 7/8 @ .378 I.D. dia. hole
35	8341583	2	HANGER .. Coat
36	171225	4	SCREW .. Tapping - 8-32 x 1/2 flat head

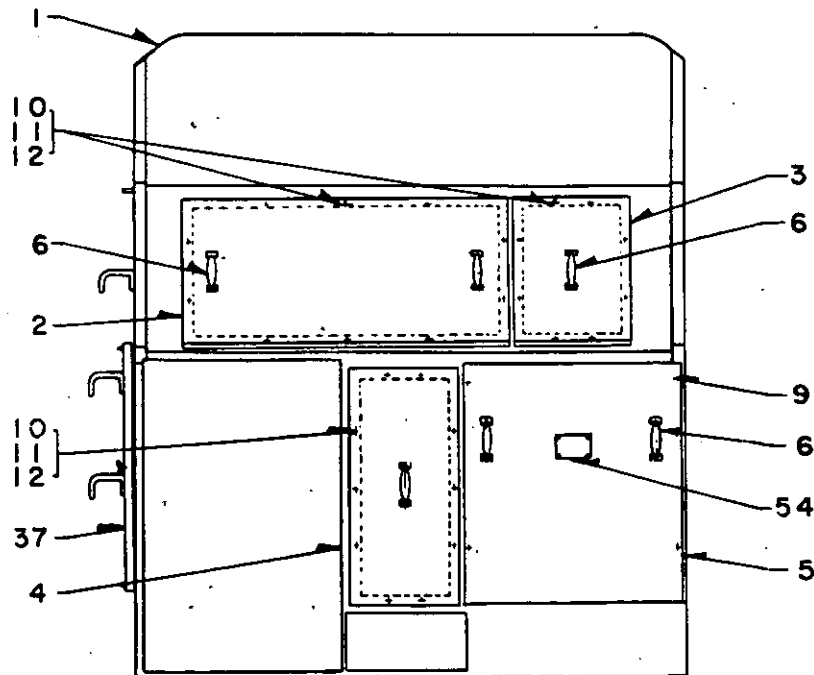
LEFT SIDE CABINET ACCESS DOOR

37	8457139	1	DOOR ASSEMBLY .. Outer, left side
38	8457138	1	HINGE ASSEMBLY .. Upper - Includes pin
39	8444614	2	HINGE ASSEMBLY .. Lower - Includes pin
40	8421197	A.R.	SEAL .. Rubber - 1-1/4 x 3/8 - Sold per foot
41	8244268	A.R.	ADHESIVE .. Rubber seal - 1 quart can
42	8353768	3	NUT .. Thumb
43	8430583	3	SHAFT .. Stainless steel - 1/2-13 x 15/16 in. long
44	8430584	3	SPACER .. Steel - 13/32 I.D. x 13/16 O.D. x 3/16 in.
45	116093	3	WASHER .. Plain - 3/8 brass
46	455862	3	PIN .. Spring - 1/8 x 7/8 in. long
47	8456785	4	PAD ASSEMBLY .. Grab iron mounting
48	8444612	3	HINGE .. Door - Welded to frame
49	446363	3	WASHER .. Plain - 5/16
50	121223	3	PIN .. Cotter - 1/16 x 3/4 in. long
51	8331927	3	GRAB IRON .. Hood-ladder
52	8032745	6	NUT .. Lock - 1/2-13 hex.
53	8315411	1	PLATE .. Name - Battery switch inside
54	8345941	8	PLATE .. Name - Danger 600 Volts
55		1	PLATE .. Name - Engine protection - Specify loco. order number
56	8378994	1	PLATE .. Name - Generator exciter
57	8211327	1	PLATE .. Name - Warning - Contact tip

ELECTRICAL CONTROL CABINET



CAB SIDE



ENGINE ROOM SIDE

PLATE B3244-E-15

ELECTRICAL CONTROL CABINET

P.L. No. C3244-E

Frame Assembly
GT26CW Locomotives
PLATE B3244-E-16

Ref. No.	Part Number	No. Req.	Description
1	8447426	1	FRAME ASY. ... Electrical cabinet
1	9510337	1	FRAME ASY. ... Electrical cabinet

ENGINE ROOM SIDE

2	8447688	1	COVER .. L.S. - Upper - 22-1/4 x 44-1/2 in.	} Formerly Applied
2	8448029	1	COVER .. L.S. - Upper - 22-1/4 x 44-1/2 in. - Incl. cut-out	
3	8447689	1	COVER .. R.S. - Upper - 22-1/4 x 44-1/2 in.	
3	8448030	1	COVER .. R.S. - Upper - 22-1/4 x 44-1/2 in. - Incl. cut-out	
4	8447687	1	COVER .. Center - Upper - 22-1/4 x 44-1/2 in.	} Currently Applied
5	8482744	2	COVER .. L.S. & R.S. - Upper upper - 22-1/4 x 20-7/8 in.	
6	8482743	1	COVER .. Center - Upper upper - 22-1/4 x 20-7/8 in.	
7	8482742	3	COVER .. Lower upper - 22-1/4 x 23-1/8 in.	

The following components, Ref. Nos. 8 thru 45, are applicable to both frame assemblies.

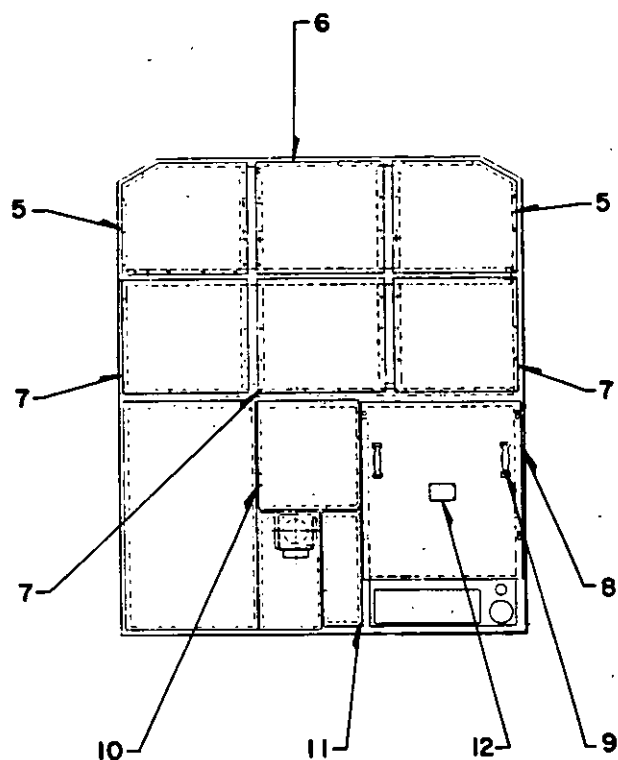
8	8447684	1	COVER ASY. ... Right side - Lower - 27-1/4 x 31-1/4 in.
9	8031902	2	HANDLE .. Cover - Welds to cover
10	8447683	1	COVER .. Center - Upper lower - 18 x 19-1/2 in.
11	8447681	1	COVER .. Center - Lower lower - 7 x 20-1/2 in.
12	8331091	1	PLATE .. Name - Danger 600 volts
12	8258251	1	PLATE .. Name - Danger 600 volts - Persian
13	8439310	1	DOOR ASY. ... Left side - 25-3/4 x 32-3/4
14	8447544	1	DOOR ASY. ... Right side - 18 x 48 in.
15	8444612	3	HINGE .. Door - Welds to door
16	8031902	2	HANDLE .. Door - Welds to door
17	8353768	3	NUT .. Thumb
18	8430583	3	SHAFT .. Thumb nut - 1/2 - 13 thread one end - 1-15/16 in. long
19	8430584	3	SPACER .. Shaft - 3/16 x 13/32 I.D. x 13/16 O.D. - Steel
20	455862	3	PIN .. Spring - 1/8 x 7/8 in. long
21	116093	3	WASHER .. Plain - 3/8 - Brass
22	8439307	1	SEAL .. Rubber - Bottom of door - 23 in. long
23	8447541	1	SEAL .. Rubber - Bottom of door - 15-1/4 in. long
24	8439308	1	SEAL .. Rubber - Top of door - 23 in. long
25	8447542	1	SEAL .. Rubber - Top of door - 15-1/4 in. long
26	8439306	1	SEAL .. Rubber - Hinge side of door - 32-1/2 in. long
27	8447540	1	SEAL .. Rubber - Hinge side of door - 47-3/4 in. long
28	8439305	1	SEAL .. Rubber - Plain side of door - 32-1/2 in. long
29	8447552	1	SEAL .. Rubber - Plain side of door - 47-3/4 in. long
30	8255268	AR	ADHESIVE .. Rubber seal - 1 quart can
31	8444614	2	HINGE .. Includes pin - Top and bottom - Welds to frame
32	8445739	1	HINGE .. Includes pin - Center - Welds to frame
33	8331091	1	PLATE .. Name - Danger 600 volts
33	8258251	1	PLATE .. Name - Danger 600 volts - Persian

CAB SIDE

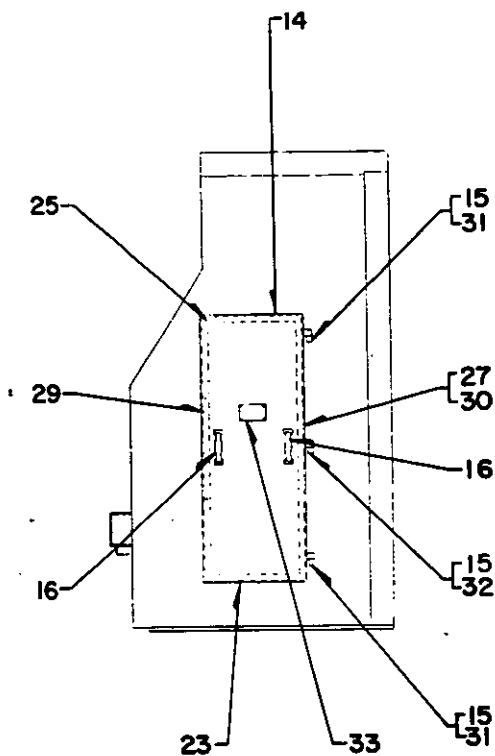
34	8447576	2	DOOR ASY. ... Left side and center - Upper - 22 x 35-1/4 in.
35	8447573	2	DOOR ASY. ... Left side and center - Lower - 22 x 31-1/2 in.
36	8447582	1	DOOR ASY. ... Right side - Upper - 22 x 24-1/4 in.
37	8447579	1	DOOR ASY. ... Right side - Lower - 22 x 16-1/16 in.
38	8314503	6	HINGE .. Offset - Includes pin - 1-27/32 x 3 in.
39	8324696	4	LATCH .. Door - "T" handle
40	8035085	1	CLIP ASY. ... Fuse - Welds to door
41	8341583	2	HOOK .. Coat hanger
42	8331091	6	PLATE .. Name - Danger 600 volts
42	8258251	6	PLATE .. Name - Danger 600 volts - Persian
43	8449168	1	PLATE .. Name - Engine protection instruction
44	8315411	1	PLATE .. Name - Battery switch inside - English
44	8448622	1	PLATE .. Name - Battery switch inside - Persian
45	8365756	1	PLATE .. Name - Filter compartment depression - English
45	8452821	1	PLATE .. Name - Filter compartment depression - Persian

P.L. No. C3244-E

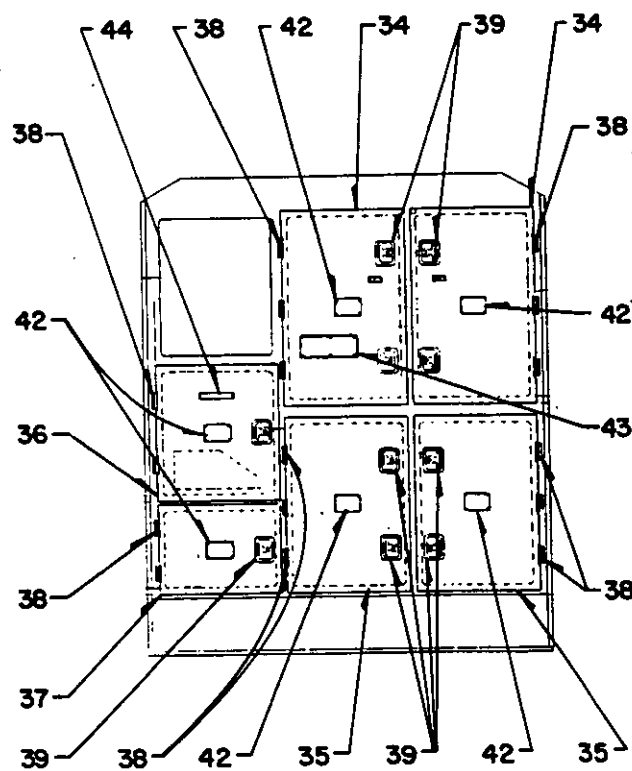
ELECTRICAL CONTROL CABINET



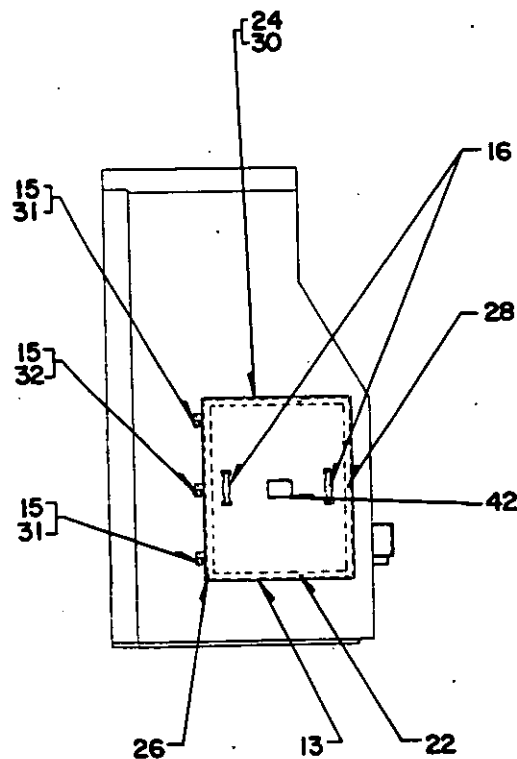
ENGINE ROOM SIDE



RIGHT SIDE



CAB SIDE



LEFT SIDE

Ref. No. 1
PLATE B3244-E-16

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Control Cabinet Frame Assembly

GL18M Locomotives
PLATE B3244-E-17

Ref. No.	Part Number	No. Req.	Description
1	9325524	1	FRAME ASSEMBLY .. Cabinet - Includes doors
2	8472519	1	DOOR ASSEMBLY .. Cabinet - 31-1/2 x 29-1/2 in.
3	8472526	1	DOOR ASSEMBLY .. Cabinet - 31-1/2 x 29-1/2 in.
4	9325696	1	DOOR ASSEMBLY .. Cabinet - 20-3/4 x 18-7/8 in.
5	9325705	1	DOOR ASSEMBLY .. Cabinet - 18-7/8 x 18-1/2 in.
6	9325707	1	DOOR ASSEMBLY .. Cabinet - 20-9/16 x 12 in.
7	9325712	1	DOOR ASSEMBLY .. Cabinet - 20-9/16 x 30-1/8 in.
8	9325699	1	DOOR ASSEMBLY .. Cabinet - 43-3/4 x 15-1/8 in.
9	9325715	1	COVER ASSEMBLY .. Cabinet - 20-5/8 x 16-7/8 in.
10	9325723	1	COVER ASSEMBLY .. Cabinet - 28-1/8 x 13-5/8 in.
11	9325731	1	COVER ASSEMBLY .. Cabinet - 28-3/4 x 28-1/2 in.
12	9325732	1	COVER ASSEMBLY .. Cabinet - 40-3/4 x 18 in.
13	9325740	1	COVER ASSEMBLY .. Cabinet - 18-1/4 x 18

The following parts, Ref. Nos. 14 to 20 are components of above assemblies unless otherwise specified.

*14	8424718	A.R.	PIN .. Door latch - Applicable to Ref. Nos. 2 to 8 only	
15	8031902	A.R.	HANDLE .. Grip - Cover - Applicable to Ref. Nos. 9 to 11 only	
16	8463041	1	GLASS .. Round - 4-3/8 dia.	
17	8265656	A.R.	WEATHERSTRIP .. Glass mounting	} Appl. to Ref. No. 8 only
18	8146559	A.R.	FILLER .. Strip - Weatherstrip mounting	
*19	8476816	A.R.	SEAL .. Rubber - Module mtg. - 1-1/4 x 3/4 in.	
*20	8421197	A.R.	SEAL .. Rubber - Doors and covers - 1-1/4 x 3/8 in.	
21	8425276	2	LATCH ASSEMBLY .. Door - Right hand	
22	8425277	6	LATCH ASSEMBLY .. Door - Left hand	
23	8461174	12	PIN .. Hinge - Applicable to Ref. Nos. 2 to 7	
24	8462712	3	PIN .. Hinge - 3/8 dia. x 3 in. long	
25	274560	3	RING .. Pin retainer	} Applicable to Ref. No. 8
26	8461742	4	LEVER .. Door support	
27	8461741	6	PIN .. Lever hinge	
28	120393	10	WASHER .. Plain - 5/16	
29	9416878	6	RING .. Lever hinge pin retainer	
30	8331091	1	PLATE .. Name - "Danger 600 Volts"	
31	8453106	1	PLATE .. Name - "Battery Switch Inside" - French	
32	6962687	1	PLATE .. Name - "Load Test - Caution" - French	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

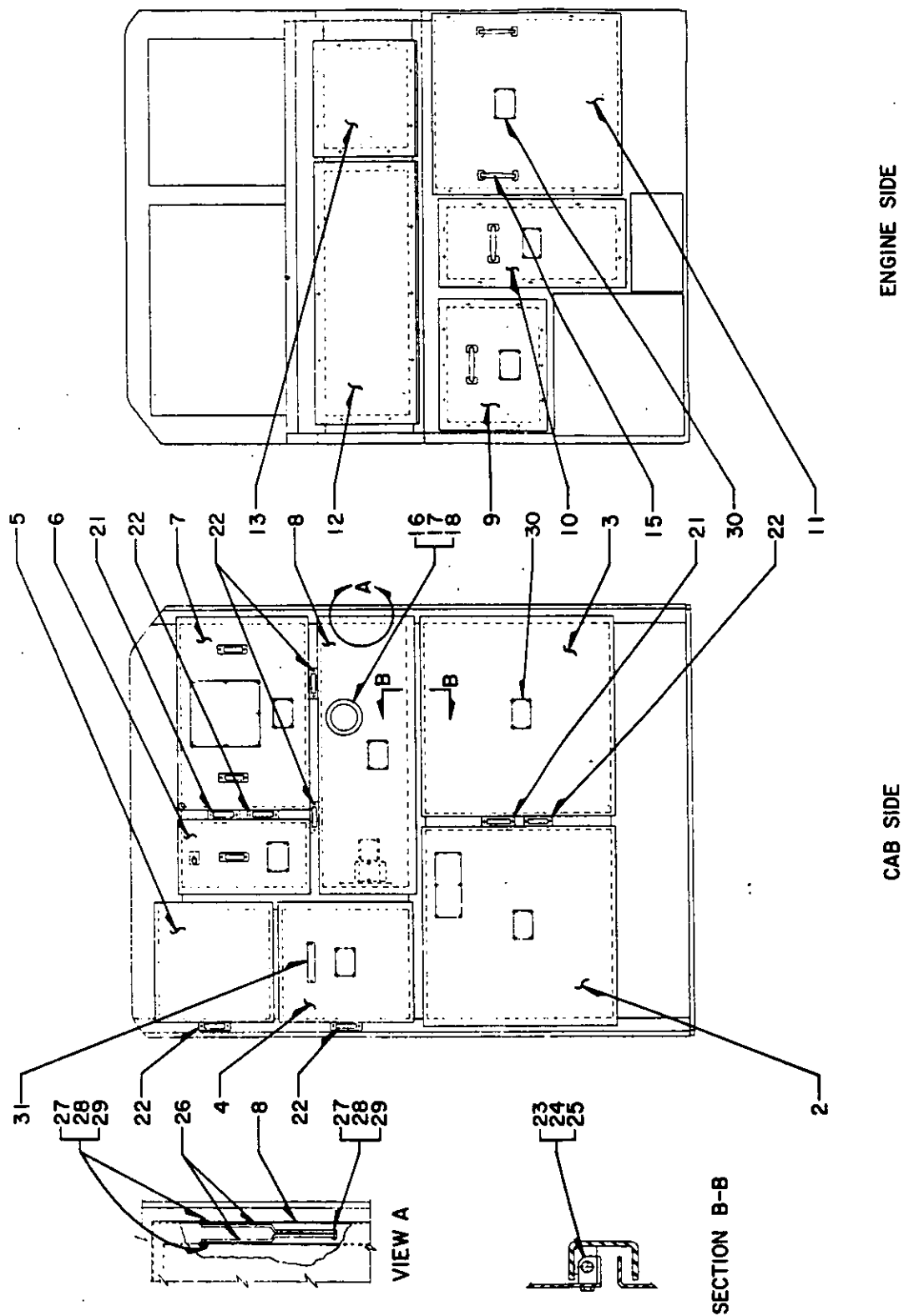


PLATE B3244-E-17

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Control Cabinet Frame Assembly
JT22CW Locomotives

PLATE C3244-E-18

Ref. No.	Part Number	No. Req.	Description
1	9312233	1	FRAME ASSEMBLY .. Cabinet - Includes doors
2	9311354	1	FRAME .. Cabinet
3	9312061	1	DOOR ASSEMBLY .. Cabinet - 22-5/16 in. x 19-1/4 in.
4	9099164	1	DOOR ASSEMBLY .. Cabinet - 22-5/16 in. x 19-1/4 in. - With 11 in. x 5-5/8 cutout
5	9312057	1	DOOR ASSEMBLY .. Cabinet - 29-9/16 in. x 18-9/16 in.
6	9312066	1	DOOR ASSEMBLY .. Cabinet - 32-1/4 in. x 24-1/16 in.
7	9312068	1	DOOR ASSEMBLY .. Cabinet - 32-1/4 in. x 24-1/16 in.
8	9312075	1	DOOR ASSEMBLY .. Cabinet - 44-3/4 in. x 15-1/8 in.

The following parts, Ref. Nos. 9 thru 11, are components of the above Door Assemblies, Reference Numbers 3 thru 8.

* 9	8424718	A.R.	PIN .. Door latch
*10	8421197	A.R.	SEAL .. Rubber - Door edges - 1-1/4 wide x 3/8 thick
*11	8476816	A.R.	SEAL .. Rubber - Module mtg. - 1-1/4 wide x 3/4 thick - Appl. to Ref. 8 only
12	8322276	1	SHEET .. Cover - 38-1/8 in. x 12-7/8 in.
13	9311314	1	COVER ASY. .. Cabinet - 27 in. x 20 in.
14	9311312	1	COVER ASY. .. Cabinet - 27 in. x 28-3/8 in.
15	9311313	2	COVER ASY. .. Cabinet - 23-1/2 in. x 30 in.
16	9311512	1	SHEET .. Cover - 19-3/8 in. x 14-1/2 in.
17	9311513	1	SHEET .. Cover - 26 in. x 21-1/2 in.
18	9311500	2	SHEET .. Cover - 28-1/2 in. x 5 in.
19	9311515	1	RETAINER .. 24-3/4 in. x 8-3/16 in.
20	9311502	1	RETAINER .. Upper - 68 in. x 7-3/16 in.
21	9311511	A.R.	INSULATION .. Urethane foam - 26-1/2 in. x 10 in. x 1-5/8 in. thick
22	8425276	3	LATCH ASSEMBLY .. Door - Right hand
23	8425277	4	LATCH ASSEMBLY .. Door Left hand
*24	8461174	10	HINGE .. Pin - Applicable to Ref. Nos. 3,4,5,6 and 7.
25	8462712	3	HINGE .. Pin
26	274560	3	RING .. Retainer - Hinge-pin
27	8461742	4	LEVER .. Door support
28	8461741	6	PIN .. Lever hinge
*29	120393	10	WASHER .. Plain - 5/16
*30	9416878	6	RING .. Retainer - Lever hinge pin
31	8331091	6	PLATE .. Name - "Danger 600 Volts"
32	8315411	1	PLATE .. Name - "Battery switch inside"
33	8476867	1	PLATE .. Name - "Load test - Caution"

} Applicable to Ref. No. 8

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

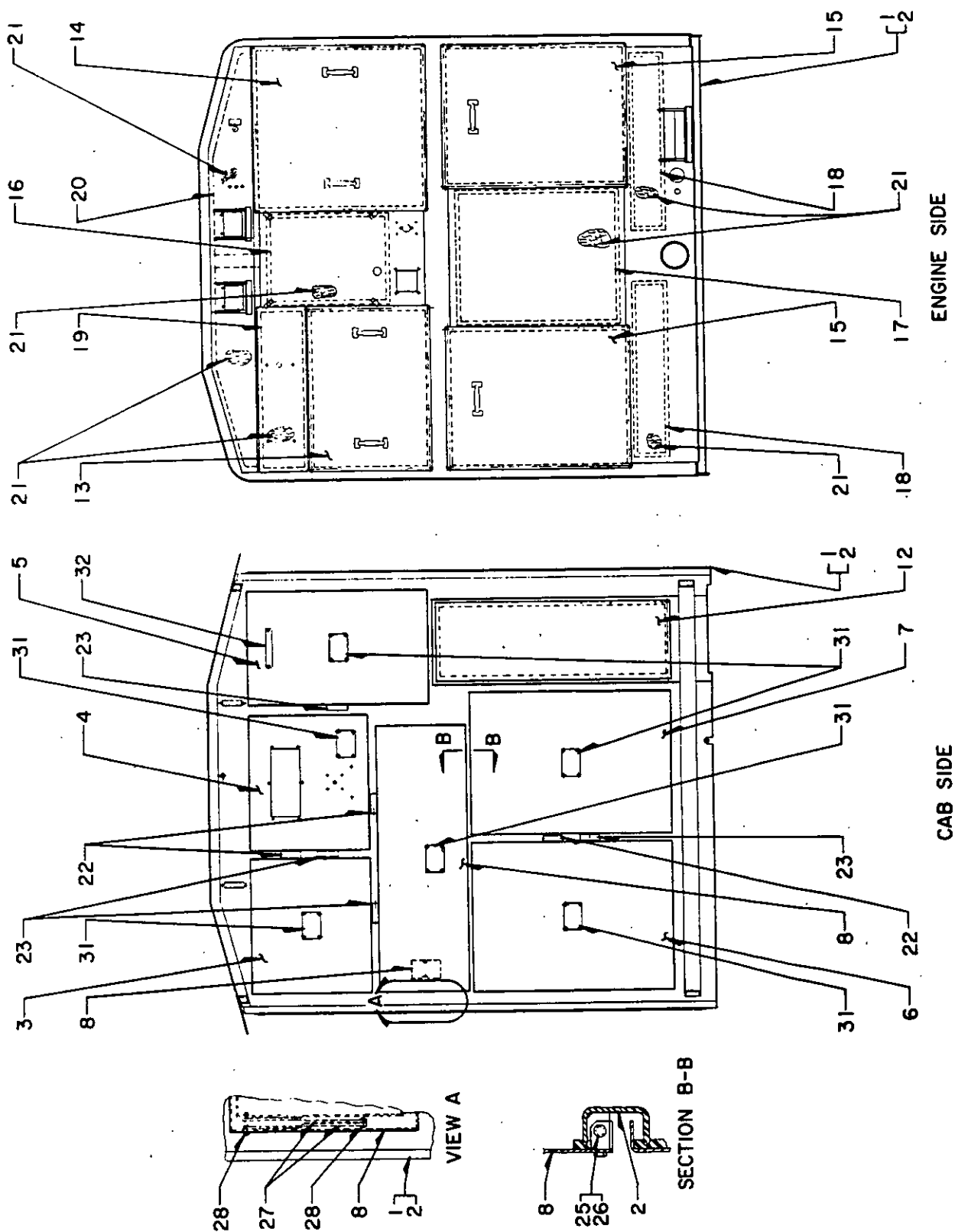


PLATE C3244-E-18

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

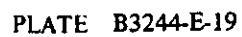
Control Cabinet Frame Assembly
JT22CW-2 Locomotives

PLATE B3244-E-19

Ref. No.	Part Number	No. Req.	Description
1	9501002	1	FRAME ASSEMBLY .. Cabinet - Includes doors
2	9502227	2	DOOR ASSEMBLY .. Cabinet - 36-3/16 x 20-27/32
3	9502228	1	DOOR ASSEMBLY .. Cabinet - 36-3/16 x 20-27/32
4	9502229	1	DOOR ASSEMBLY .. Cabinet - 48-1/4 x 15-1/16
5	9502230	1	DOOR ASSEMBLY .. Cabinet - 25-15/16 x 15-1/2
6	9502231	1	DOOR ASSEMBLY .. Cabinet - 23-3/8 x 23-1/2
7	9502232	1	DOOR ASSEMBLY .. Cabinet - 23-3/8 x 23-1/2
8	9502233	4	COVER ASSEMBLY .. Cabinet - 32-1/4 x 27-3/4

The following parts, Ref. Nos. 9 thru 16 are components of above assemblies unless otherwise specified.

* 9	8424718	A.R.	PIN .. Door latch - Applicable to Ref. Nos. 2 to 7 only	
10	8031902	4	HANDLE .. Grip - Cover - Applicable to Ref. 8 only	
11	8145407	1	HOOK .. Coat - Folding - Applicable to Ref. 7 only	
12	8463041	1	GLASS .. Round - 4-3/8 dia.	
13	8265656	A.R.	WEATHERSTRIP .. Glass mounting - 15-13/16 in.	} Appl. to Ref. No. 4 only
14	8146559	A.R.	FILLER .. Strip - weatherstrip mounting - 15-13/16 in.	
*15	8476816	A.R.	SEAL .. Rubber - 1-1/4 x 3/4 in. - Approx. 45 in.	
*16	8421197	A.R.	SEAL .. Rubber - Doors and covers - 1-1/4 x 3/8 in. - Approx. 51 ft.	
17	8425276	3	LATCH ASSEMBLY .. Door - Right hand	
18	8425277	6	LATCH ASSEMBLY .. Door - Left hand	
19	8461174	7	PIN .. Hinge - 3/8 dia. x 2-5/8 in. long - Appl. Ref. 2,3,5,6 and 7	
20	9319552	15	WASHER .. Pin - Nylon	
21	8462712	2	PIN .. Hinge - 3/8 dia. x 3 in. long	
22	274560	2	RING .. Pin retainer	} Appl. to Ref. No. 4
23	9332219	2	CABLE .. Door support	
24	9332241	4	BRACKET .. Door support	
25	180016	4	BOLT .. 1/4-20 - 1/2 hex. head	
26	120380	4	WASHER .. 1/4 spring lock	
27	9502234	1	COVER .. Side sheet - 60-3/4 x 7-7/16 in.	
28	8331091	7	PLATE .. Name - "DANGER 600 VOLTS"	
29	9504285	1	PLATE .. Name - "BATTERY SWITCH INSIDE"	Yugoslavia
30	9504166	1	PLATE .. Name - "ENGINE PROTECTION"	Yugoslavia



P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Frame Assembly
GT22HW and GT26CW-2 Locomotives
PLATE B3244-E-20

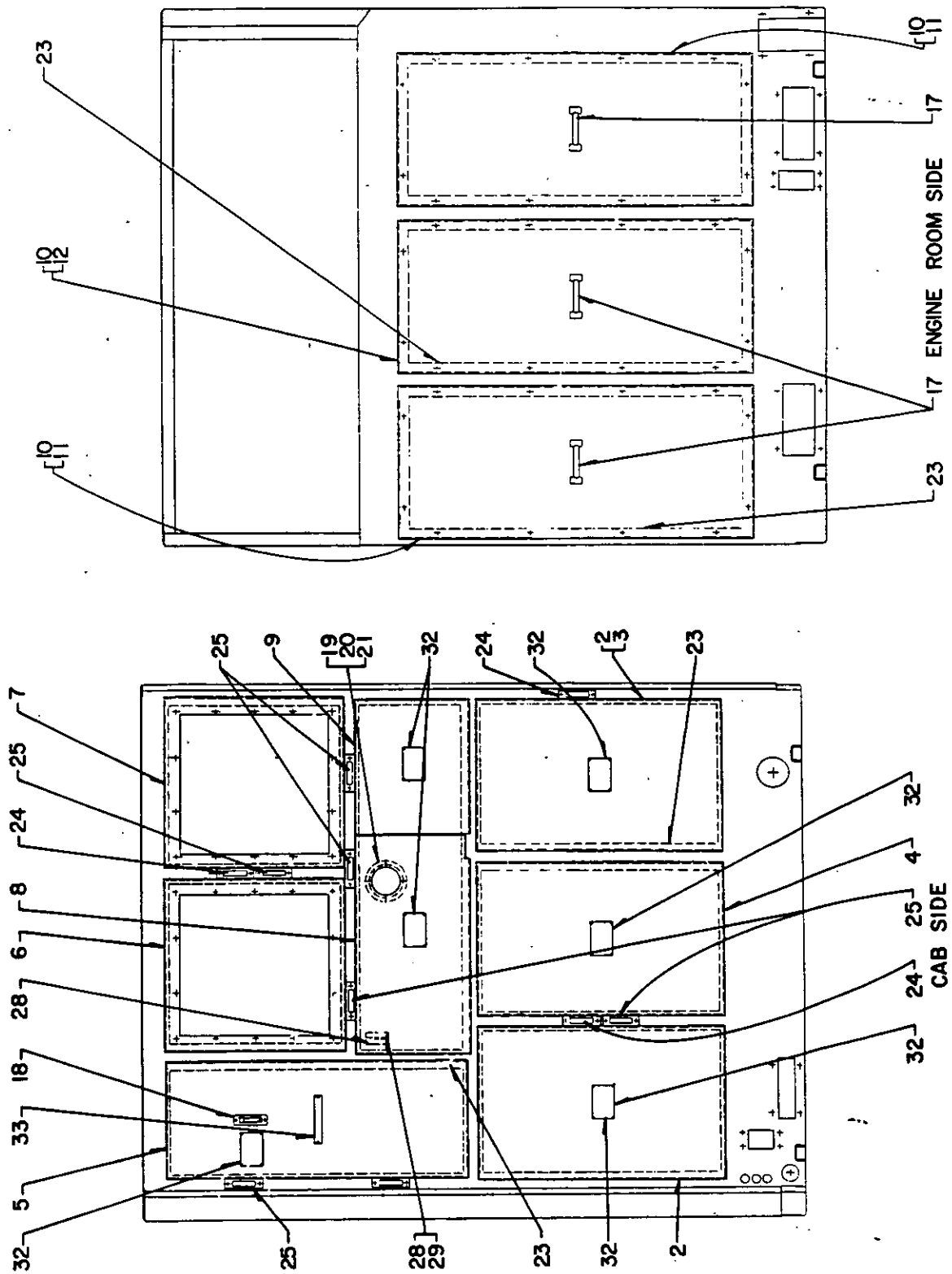
Ref. No.	Part Number	No. Req.	Description	
1	9513002	1 -	FRAME ASY. .. Electrical cabinet - GT22HW	
* 1	9508302	- 1	FRAME ASY. .. Electrical cabinet - GT26CW-2	
2	9508670	1 2	DOOR ASY. .. Lower left and right - 31-15/16 x 20-3/8 in.	Cab Side
3	9515511	1 -	DOOR ASY. .. Lower right - 31-15/16 x 20-3/8 in.	
4	9508673	1 1	DOOR ASY. .. Lower center - 31-15/16 x 20-3/8 in.	
5	9502230	1 1	DOOR ASY. .. Upper left - 39-3/16 x 15-1/2 in.	
6	9515023	1 -	DOOR ASY. .. Upper center - 23-3/8 x 22-13/16 in.	
6	9508696	- 1	DOOR ASY. .. Upper center - 23-3/8 x 22-13/16 in.	
7	9515018	1 -	DOOR ASY. .. Upper right - 23-3/8 x 22-13/16 in.	
* 7	9508715	- 1	DOOR ASY. .. Upper right - 19-5/8 x 22-13/16 in.	
8	9515515	1 -	DOOR ASY. .. Module compartment - Middle center - 15-1/16 x 28-7/8 in.	Engine Room Side
* 8	9508729	- 1	DOOR ASY. .. Module compartment - Middle - 15-1/16 x 45 in.	
9	9515510	1 -	DOOR ASY. .. Middle right - 15-1/16 x 18 in.	
10	9515188	3 -	COVER ASY. .. Left, center & right - 45-3/4 x 20-1/4 in.	
11	9508652	- 2	COVER ASY. .. Left & right - 44-11/16 x 21 in.	
12	9508654	- 1	COVER ASY. .. Center - 44-11/16 x 21 in.	
*13	9515186	1 -	COVER ASY. .. Right side - 50-3/4 x 9-1/4 in.	
*13	9514260	- 1	COVER ASY. .. Right side - 50-3/4 x 8-3/4 in.	

The following parts, ref. nos. 14 thru 21, are components of the above assemblies as specified.

*14	8424718	AR	PIN .. Door latch - Ref. nos. 2 thru 9 and 12 only	
*15	9515314	2 -	PIN .. Hinge - 3/8 dia. x 1-1/16 in. long - Ref. No. 3 only	
*16	8462712	2 -	PIN .. Hinge - 3/8 dia. x 3 in. long - Ref. No. 9 only	
17	8031902	4 4	HANDLE .. Grip - Cover - Ref. Nos. 10, 11, 12 and 13 only	
18	8145407	1 2	HOOK .. Folding coat - Ref. Nos. 5 and 7 (Col. B) only	
19	8463041	1 1	GLASS .. Annunciator viewing - 4-3/8 in. dia.	Appl. to Ref. No. 8 Only
20	8265656	AR	WEATHERSTRIP .. Glass mtg. - Sold per foot	
21	8146559	AR	STRIP .. Filler - Weatherstrip mtg. - Sold per ft.	
*22	8476816	AR	SEAL .. Module retaining - 1-1/4 x 3/4 in. - Sold per foot	
23	8421197	AR	SEAL .. Door and cover edges - 1-1/4 x 3/8 in. - Sold per foot	
24	8425276	3 5	LATCH ASY. .. Door - Right hand	
25	8425277	7 8	LATCH ASY. .. Door - Left hand	
*26	8461174	10 13	PIN .. Hinge - 3/8 dia. x 2-5/8 in. - Appl. to ref. nos. 2,4,5,6,7 and 12	
*27	8462712	2 2	PIN .. Hinge - 3/8 dia. x 3 in. long	
28	9332241	2 4	BRACKET .. Door support	Appl. to Ref. No. 8 only
29	9332219	1 2	CABLE ASY. .. Door support	
*30	274560	3 2	RING .. Pin retaining - Appl. with ref. nos. 16 and 27	
*31	9319552	16 15	WASHER .. Hinge pin - Appl. with ref. nos. 15, 16 26 and 27	
32	9515269	6 -	PLATE .. Name - 600 V	
32	8331091	- 6	PLATE .. Name - Danger 600 Volts	
33	9504285	1 -	PLATE .. Name - Battery switch inside - Yugoslavian markings	
33	8453106	- 1	PLATE .. Name - Battery switch inside - French markings	
*34	9081809	- 1	PLATE .. Name - Clearance - French markings	
*35	8454752	- 1	PLATE .. Name - Engine protection instruction - French markings	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1
PLATE B3244-E-20

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
Main Control Panel Assembly
 GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

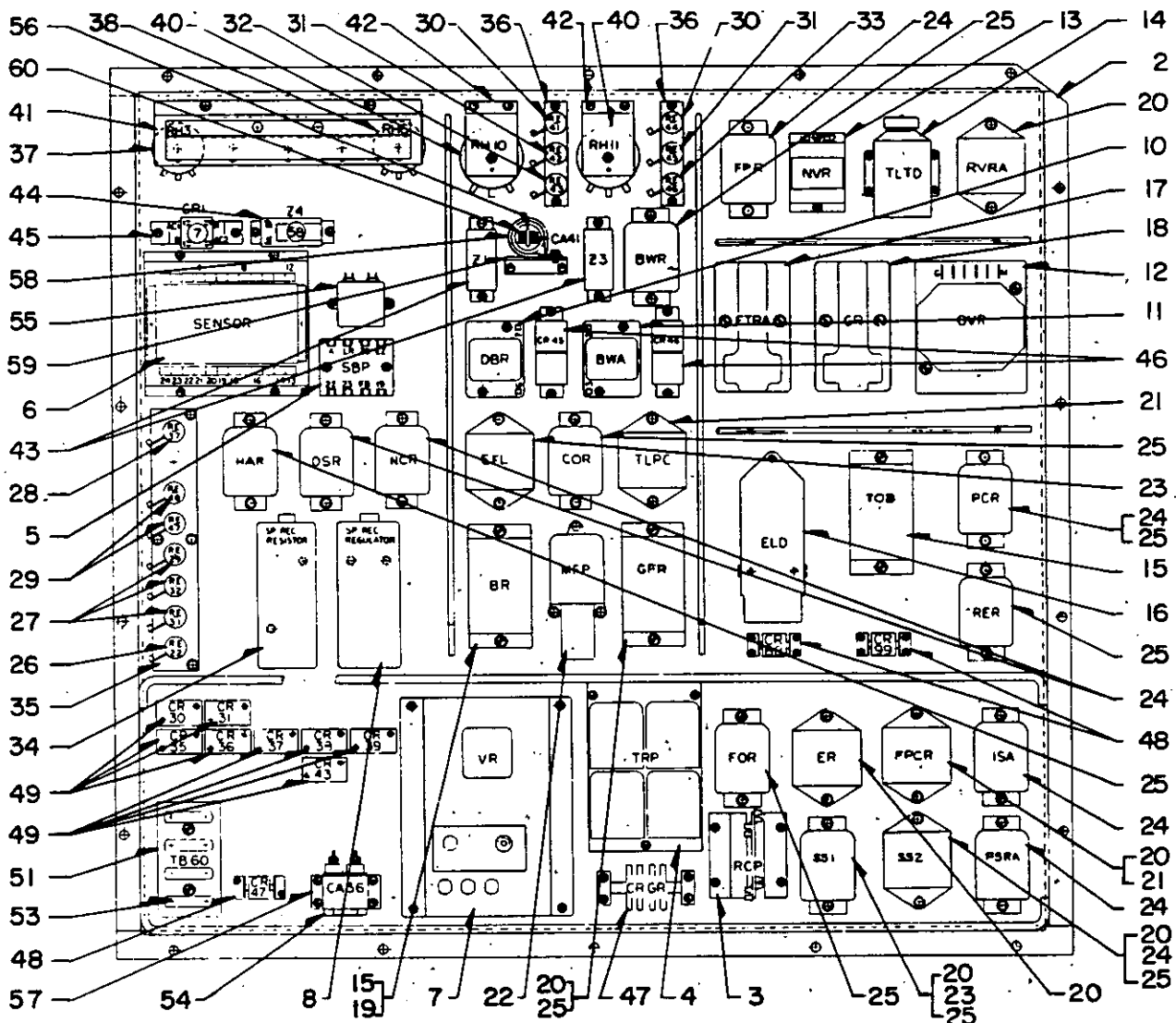


PLATE B3244-E-21

Ref. No.	Part Number	Number Required				Description	Locomotive Application
		A	B	C	D		
1	8472024	1	-	-	-	PANEL ASY. ... Main control	GT22CU
1	8471986	-	1	-	-	PANEL ASY. ... Main control	GT22CW
1	8484767	-	-	1	-	PANEL ASY. ... Main control	GT26CU-2
1	8474494	-	-	-	1	PANEL ASY. ... Main control	GT26CW-2
2	8472378	1	1	1	1	PANEL ASY. ... Equipment mounting	
3	8377273	1	1	1	1	PANEL ASY. ... Rate control - RCP - See Page 41	
4	8481557	1	1	1	1	PANEL ASY. ... Throttle response - TRP - See Page 44	
5	8377230	1	1	1	1	PANEL ASY. ... Sensor by-pass - SBP - See Page 43	
6	8357383	1	1	1	1	PANEL ASY. ... Sensor and silicon control rectifier - Repl. 8398983	
7	8351980	1	1	1	1	REGULATOR .. Voltage VR - See P.L. 4523	
8	8351074	-	1	-	-	REGULATOR .. Current - Speed recorder	
8	8484754	-	-	1	1	REGULATOR .. Speed recorder	
* 9	8351075	1	1	-	-	LAMP .. Current regulating - 60 Volts - 6 Amps.	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required				Description
		A	B	C	D	
10	8404532	1	1	1	1	PANEL ASY. .. Main control
11	8331302	1	1	1	1	RELAY .. Dynamic brake - DBR
12	8277235	1	1	1	1	RELAY .. Brake warning auxiliary - BWA
13	8421231	1	1	1	1	RELAY .. Over voltage - OVR - See P.L. 5451
14	8349285	1	1	1	1	RELAY .. No voltage (A.C.) - NVR
15	8276597	1	1	1	1	RELAY .. Turbo lube time delay - TLTD
16	8392491	1	1	1	1	RELAY .. TDB
17	8276599	1	1	1	1	RELAY .. Excitation limit delay
17	8347433	1	1	1	1	RELAY .. BPD
18	8361776	1	1	1	1	RELAY .. Forward transition auxiliary - FTRA
19	8363130	1	1	1	2	RELAY .. Ground - GR
20	8357416	2	6	1	1	RELAY .. Brake, parallel - BR,PR
20	8383145	1	1	1	1	RELAY .. ER,FPCR,GFR,RVRA,SS1,SS2
20	8361774	1	1	1	1	RELAY .. Generator field-GFR
21	8357417	2	2	2	2	RELAY .. Motoring - MR
22	8400029	1	1	1	1	RELAY .. Fuel pump cont., turbo lube pump - FPCR,TLPC
22	8448938	1	1	1	1	RELAY .. Motor field protection - MFP
23	8383678	1	1	1	1	RELAY .. Motor field protection - MFP
24	8363168	6	5	6	2	RELAY .. Engine filter latching - EFL
25	8357415	5	6	7	5	RELAY .. EFL,FPR,FS2A,FSRA,ISA,NCR,OSR,PCR,THL
25	8394594	1	1	1	1	RELAY .. BWR,COR,ELRX,FOR,FTX,HAR,PCR,RER
25	8361775	1	1	1	2	RELAY .. Cut-out - COR
						RELAY .. Forward, reverse - FOR,RER
26	8469393	1	1	1	1	RESISTOR .. RE38 - 4000 Ohms - 25 Watts
26	8239506	1	1	1	1	RESISTOR .. RE22,34 - 10 Ohms - 25 Watts
27	8363059	3	3	3	3	RESISTOR .. RE29,31,32 - 50 Ohms - 25 Watts
28	8363066	1	1	1	1	RESISTOR .. RE37 - 2000 Ohms - 25 Watts
29	8447677	1	2	1	2	RESISTOR .. RE47,48 - 500 Ohms - 25 Watts - Replaces 8421486
29	8368351	1	1	1	1	RESISTOR .. RE33 - 1000 Ohms - 25 Watts
29	8239505	1	1	1	1	RESISTOR .. RE35 - 100 Ohms - 25 Watts
*29	8392344	1	1	1	1	RESISTOR .. RE35 - 400 Ohms - 25 Watts
30	8336365	2	2	2	2	RESISTOR .. RE41,44 - 1500 Ohms - 25 Watts
31	8336373	2	2	2	2	RESISTOR .. RE42,45 - 3500 Ohms - 25 Watts
32	8366058	1	1	1	1	RESISTOR .. RE43 - 500 Ohms - 50 Watts
33	8252712	1	1	1	1	RESISTOR .. RE46 - 500 Ohms - 25 Watts
34	8351076	1	1	1	1	RESISTOR .. Speed recorder - 48.1 Ohms - 36 Watts
35	8472090	1	1	1	1	BRACKET .. Resistor mounting - 11-5/8 x 2 x 11 ga.
36	8357162	2	2	2	2	BRACKET .. Resistor mounting - 4-5/8 x 1 x 11 ga.
37	8287379	1	1	1	2	RHEOSTAT .. RH3,RH8 - 1500 Ohms - 50 Watts
38	8331127	1	1	1	1	RHEOSTAT .. RH6 - 500 Ohms - 50 Watts
*39	8354134	1	1	1	1	RHEOSTAT .. RH8 - 3500 Ohms - 50 Watts
40	8228114	2	2	2	2	RHEOSTAT .. RH10,RH11 - 500 Ohms - 75 Watts
41	8390971	1	1	1	1	BRACKET .. Rheostat mounting - 11-3/4 x 2-7/8 x 11 ga.
42	8356771	2	2	2	2	BRACKET .. Rheostat mounting - 3-1/4 x 2-1/2 x 11 ga.
43	8331020	2	2	2	2	DIODE ASY. .. Zener - Encapsulated - Z1,Z3
44	8365344	1	1	1	1	DIODE ASY. .. Zener - Encapsulated - Z4
45	8363197	1	1	1	1	RECTIFIER .. Bridge - CR1
46	8363439	2	2	2	2	RECTIFIER .. Bridge - CR45,CR46
47	8385325	1	1	1	1	RECTIFIER .. Bridge - CR-GR
48	8375607	2	3	2	1	RECTIFIER .. Suppression - CR47,CR88,CR89
49	8421017	As Req.				RECTIFIER ASY. .. Incl. block - CR20 thru 25, CR30 thru 46
*50	8421016	As Req.				RECTIFIER ASY. .. Silicon
51	8354091	1	1	1	1	BOARD .. Terminal - 8 point - Replaces 8263308
52	8263306	1	1	1	1	INSULATION .. Terminal board mounting
53	8081950	4	4	4	4	BAR .. Bus - 2-1/8 x .550 x .047 in. copper
54	8335911	1	1	1	1	CAPACITOR .. CA36 - 1.0 MFD. - 600 V.D.C.
55	8341282	2	2	2	2	CAPACITOR .. CA37,CA38 - 10 MFD. - 150 V.D.C.
56	8332029	1	1	1	1	CAPACITOR .. CA41 - 50 MFD. - 300 V.D.C.
57	8042902	1	1	1	1	CLAMP .. CA36 capacitor mounting
58	8168456	1	1	1	1	CLAMP .. Insulated - 1.375 in. I.D.
59	8375386	1	1	1	1	ANGLE .. 2-3/4 x 2-1/2 x 3/4 x 11 ga.
60	8276560	2	2	2	2	TAB .. Connection - Two wire - "U" type
*61	....	As Req.				CABLE .. Main control panel - See P.L. 9106

See P.L. 5496

See P.L. 5499

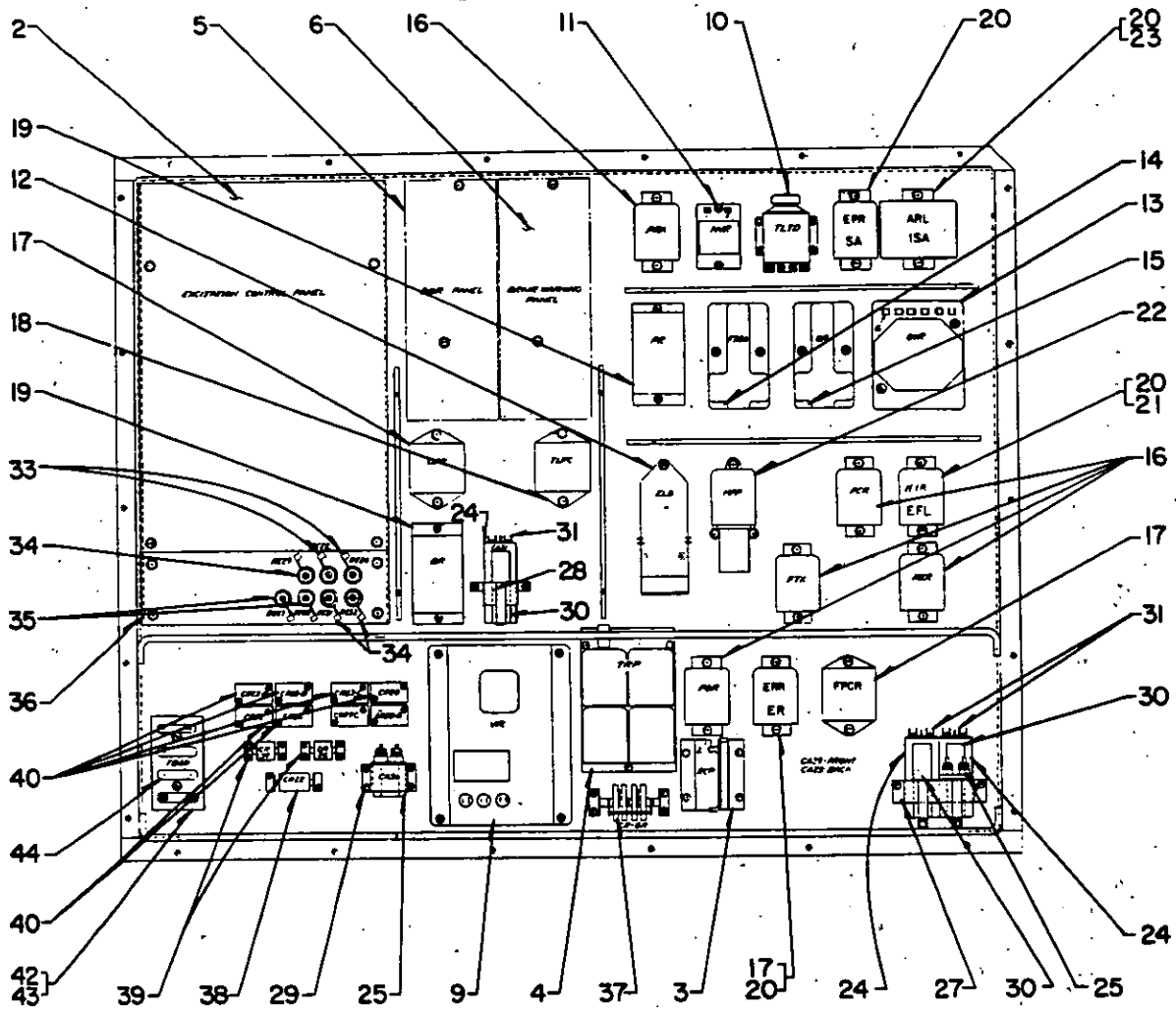
See P.L. 5352

See P.L. 5452

See P.L.
5440

CA41 Mounting

ELECTRICAL CONTROL CABINET Main Control Panel Assembly GT26CW Locomotives



Ref. No. 1
PLATE B3244-E-22

Ref. No.	Part Number	No. Req.	Description
1	8447910	1 -	PANEL ASY. ... Main control
1	9510338	- 1	PANEL ASY. ... Main control.
NOTE: Due to the individual requirements of each installation, the following components as shown in the number required column may vary on a particular panel assembly.			
2	8363685	1 -	PANEL ASY. ... Excitation control
2	9511629	- 1	PANEL ASY. ... Excitation control
3	8377273	1 1	PANEL ASY. ... Rate control - See Page 41
4	8481557	1 1	PANEL ASY. ... Throttle response - Replaces 8365431 - See Page 44
5	8366057	1 1	PANEL ASY. ... Dynamic brake - See Page 45
6	8364238	1 1	PANEL ASY. ... Brake warning - See Page 45
* 7	8351074	1 -	REGULATOR .. Current - Speed recorder
* 8	8351075	1 -	LAMP .. Current regulating
9	8351980	1 1	REGULATOR .. Static voltage - See P.L. 4523

See Page 42

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	No. Req.	Description
-	8447910	1 -	PANEL ASY. .. Main control
-	9510338	- 1	PANEL ASY. .. Main control
10	8349285	1 1	RELAY .. Turbo lube time delay - TLTD
11	8421231	1 1	RELAY .. No voltage (A.C.) NVR
12	8392491	1 1	RELAY .. Excitation limit delay - ELD - See P.L. 5352
13	8277235	1 1	RELAY .. Over voltage - OVR - See P.L. 5451
14	8347433	1 1	RELAY .. Forward transition auxiliary - FTRA
15	8361776	1 1	RELAY .. Ground - GR
φ 16	8357415	5 3	RELAY .. Forward, forward transition aux., parallel aux., pneumatic control, reverse - FOR,FTX,PRA,PCR,RER
φ 16	8361775	2 2	RELAY .. Forward, reverse - FOR,RER
φ 17	8357416	3 1	RELAY .. Engine,fuel pump cont., gen. field - ER,FPCR,GFR
φ 17	8361774	1 1	RELAY .. Fuel pump contactor - FPCR
18	8357417	1 1	RELAY .. Turbo lube pump contactor - TLPC
19	8363130	2 2	RELAY .. Brake, parallel - BR,PR
20	8363168	4 3	RELAY .. EPR,ERR,NIR,ISA & SA (Col. A only)
21	8383678	1 -	RELAY .. Engine filter latching - EFL
22	8448938	1 1	RELAY .. Motor field protection - MFP
23	8488371	1 1	RELAY .. Automatic (ground relay) reset limiter - ARL
24	8225149	4 4	CAPACITOR .. CA22,23,29,31 - 1000 MFD. - 150 Volts D.C.
25	8335911	2 2	CAPACITOR .. CA24,36 - 1 MFD. - 600 Volts D.C.
26	8226342	1 -	CAPACITOR .. CA30 - 500 MFD. - 200 Volts D.C.
27	8363042	1 1	BRACKET .. CA22,23,29,31 capacitor mounting
28	8247048	1 -	BRACKET .. CA30,31 capacitor mounting
28	8215394	- 1	BRACKET .. CA31 capacitor mounting
29	8042902	1 1	CLAMP .. CA36 capacitor mounting
30	8435389	3 3	INSULATION .. Capacitor spacer - 4 x 1 x 1/4 in. thick - Rubber
31	8276560	10 8	TAB .. Faston - "U" type - Two wire - 3/16 dia. stud hole
*32	8351076	1 -	RESISTOR .. Speed recorder - 48.1 Ohms adjustable - 36 Watts
33	8239506	2 2	RESISTOR .. RE22,24 - 10 Ohms - 25 Watts
34	8363059	3 3	RESISTOR .. RE29,31,32 - 50 Ohms - 25 Watts
φ 35	8447677	2 2	RESISTOR .. RE47,48 - 500 Ohms - 25 Watts - Faston terminals
φ 35	8421486	2 -	RESISTOR .. RE47,48 - 500 Ohms - 25 Watts - Solder terminals
36	8447914	1 1	PANEL .. Resistor mounting
37	8385325	1 1	RECTIFIER .. Bridge - CR-GR
38	8397306	1 1	RECTIFIER .. Suppression - CR22
39	8403349	2 2	RECTIFIER .. Suppression - CR26,39
40	8421017	9 8	RECTIFIER ASY. .. Incl. block - CRFPC,CR23A,B,C,28,32,36,37,38A,B
*41	8421016	9 8	RECTIFIER ASY. .. Silicon
42	8354091	1 1	BOARD .. Terminal - 8 point - Screw connections - Replaces 8263308
43	8263306	1 1	INSULATION .. Terminal board mtg. - 5-1/8 x 2-3/4 x 1/16 in.
44	8081950	4 4	BAR .. Bus - 2-1/8 x .055 x .047 in. copper
*45	8447913	1 -	CABLE FORM .. Main control panel
*45	9525016	- 1	CABLE FORM .. Main control panel
*46	8468611	AR	CABLE .. 14 AWG. - LF insul. - 500 ft. roll - Approx. 360 ft. required Formerly 18 ft. of 8433434 (500 ft. roll), 190 ft. of 8433432 (500 ft. roll) and 15 ft. of 8283763 (100 ft. roll) applied
*47	8468612	AR	CABLE .. 12 AWG. - LF insul. - 500 ft. roll - Approx. 2 ft. required - Repl. 8433435
*48	8333192	6 6	TERMINAL .. Non-insulated - Female faston tab
*49	8250906	AR	TERMINAL .. Insulated - Female faston tab - Blue
*50	8272337	8 8	TERMINAL .. Insulated - Female faston tab - Yellow
*51	8210498	2 2	LUG .. Insulated - No. 10 stud hole - Blue
*52	8198189	5 5	LUG .. Insulated - 1/4 in. stud hole - Blue

See P.L. 5499

See P.L. 5452

See P.L.
5440

P.L. No. C3244-E

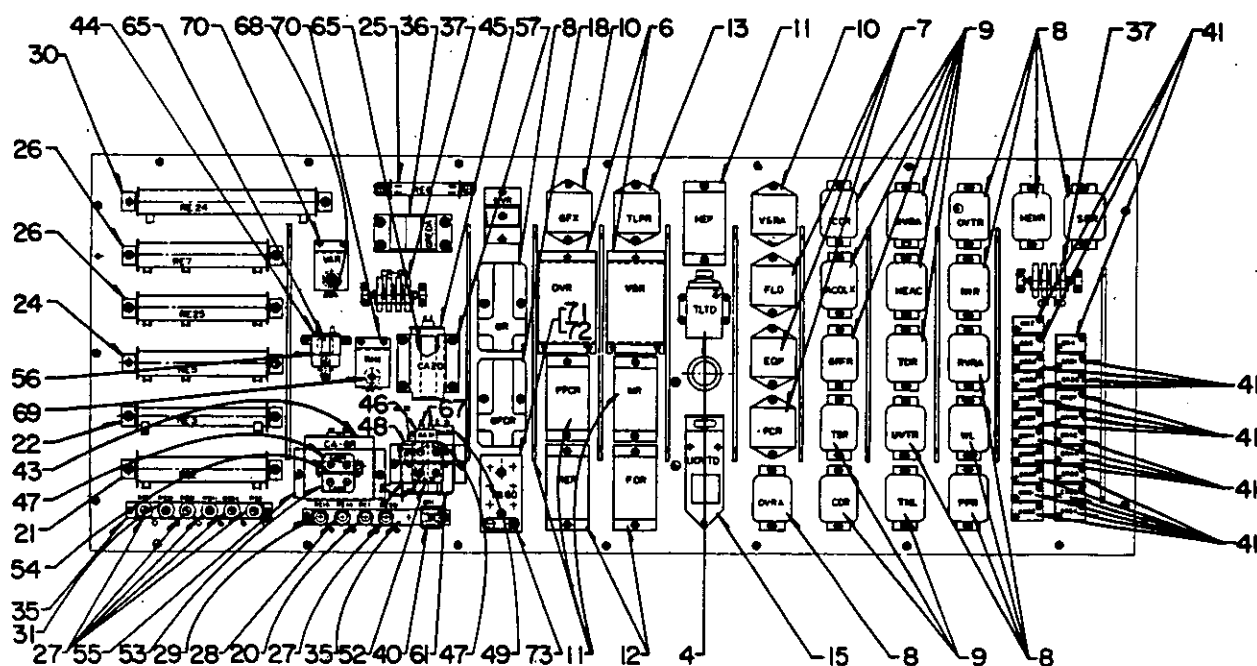
ELECTRICAL CONTROL CABINET
Main Control Panel Assembly
GL18M,GT22HW,JT22CW,JT22CW-2 and GT26CW-2 Locomotives
PLATES B3244-E-23,A3244-E-24 and 25

Ref. No.	Part Number	Number Required					Description	Locomotive Application
		A	B	C	D	E		
1	9325525	1	-	-	-	-	PANEL ASY. .. Main control	GL18M
1	9517030	-	1	-	-	-	PANEL ASY. .. Main control	GT22HW
1	9099673	-	-	1	-	-	PANEL ASY. .. Main control	JT22CW
1	9339781	-	-	-	1	-	PANEL ASY. .. Main control	JT22CW-2
1	9508238	-	-	-	-	1	PANEL ASY. .. Main control	GT26CW-2
2	8484754	1	-	-	-	-	REGULATOR .. Current - Speed recorder - One receiver	
2	8484755	-	-	-	1	-	REGULATOR .. Current - Speed recorder - Two receiver	
3	8421231	1	1	1	1	1	RELAY .. No voltage (A.C.) - NVR	See P.L. 5499
4	8349285	-	1	1	1	1	RELAY .. Turbo lube time delay - TLTD	
5	9098091	-	-	1	-	-	RELAY .. Immersion heater - IHR	
6	8454412	-	2	-	2	-	RELAY .. OVR,VSR,WS14,WS36 - See P.L. 5394	
7	8357416	4	3	6	6	3	RELAY .. EQP,ER,FPCR,GFX,PCR,PRA, SS1,SS2,TSR	See P.L. 5440
8	8363168	3	9	5	6	2	RELAY .. FPC,FPR,HEMR,M36A,NIR,OVRA, OVTR,RERA,RVRA,SR,SRR,SS1A,UVTR,VBR,WL	
9	8357415	4	9	14	7	4	RELAY .. ACOLX,BTRA,CDR,COR,EPCO,FSRA,FS2A GFR,HEAC,ICOR,NIR,NVRA,PRR1,PRR2 RHR1,RHR2,RVRA,SPX,SPY,TBR,TDR,THL,TSR,WD	
10	8361775	3	2	3	2	4	RELAY .. FOR,FSRA,FTX,GFX,LWR,RER,VSRA	
11	8361774	1	3	2	2	4	RELAY .. BR1,BR2,FPCR,HEP,ISRA,MR,PR	See P.L. 5352
12	8357418	-	2	2	1	1	RELAY .. COR,FOR,RER,RVRA	
13	8357417	-	1	2	2	2	RELAY .. FPCR,TLPC,TLPR	
14	8407979	-	-	1	-	-	RELAY .. Starting auxiliary - STX	
15	8276598	-	1	-	-	1	RELAY .. Under/over voltage time delay, Time delay - UOVRTD,TDR	See P.L. 5452
16	8276597	-	-	1	-	-	RELAY .. Engine purge time delay - EPTD	
17	8272600	-	-	1	-	-	RELAY .. Vigilance control time delay - VCTD	See P.L. 5452
18	8361776	1	2	1	1	-	RELAY .. Ground, ground fault detection - GR,GFDR	
18	8360045	-	-	-	-	1	RELAY .. Ground - GR	
19	8443302	-	-	1	-	-	RELAY .. Automatic ground (relay) reset - AGR	
20	9514071	-	1	-	-	-	RESISTOR .. RE1 - 35.7 Ohms - 25 Watts	
20	8276673	-	-	-	-	1	RESISTOR .. RE1 - 2.4/2.4 Ohms - 550 Watts	
21	9517027	-	1	-	-	-	RESISTOR .. RE2 - 4.8/10 Ohms - 400 Watts	
21	8399938	-	-	-	-	1	RESISTOR .. RE2 - 4.8 Ohms - 400 Watts	
22	8396289	-	1	-	-	-	RESISTOR .. RE3 - 350/50 Ohms - 160 Watts	
22	9519141	-	-	-	-	1	RESISTOR .. RE3 - 10/50 Ohms - 160 Watts	
23	8398604	-	-	-	-	1	RESISTOR .. RE4 - 2000/2000 Ohms - 300 Watts	
24	8429166	-	1	-	-	1	RESISTOR .. RE5 - 3.75/3.75 Ohms - 400 Watts	
25	8491400	-	1	-	-	-	RESISTOR .. RE6 - 165 Ohms - 50 Watts	
25	8411480	-	-	-	-	1	RESISTOR .. RE6 - 250 Ohms - 50 Watts	
26	8444314	-	2	-	-	-	RESISTOR .. RE7,25 - 20K/10K/10K Ohms - 160 Watts	
27	8239506	3	6	1	-	5	RESISTOR .. RE8,24,31,33,34,36,41,90 - 10 Ohms - 25 Watts	
28	8469393	-	1	-	-	-	RESISTOR .. RE14 - 4000 Ohms - 25 Watts	
29	9512828	-	1	-	-	-	RESISTOR .. RE15 - 20 Ohms - 50 Watts	
30	8288866	-	1	-	-	-	RESISTOR .. RE24 - 2/10 Ohms - 550 Watts	
31	8332380	1	1	-	-	1	RESISTOR .. RE32 - 35 Ohms - 50 Watts	
32	9505835	-	-	-	-	2	RESISTOR .. RE36,37 - 75K Ohms - 50 Watts	
33	8336373	-	-	-	-	1	RESISTOR .. RE39 - 35K Ohms - 25 Watts	
34	8472380	-	-	-	-	2	RESISTOR .. RE45,46 - 10K Ohms - 25 Watts	
35	8363180	1	2	-	-	2	BRACKET .. Resistor mounting	
36	8413371	-	1	-	-	-	RECTIFIER .. GRFDA	
37	8385325	-	2	-	-	-	RECTIFIER .. CR-GR, CR-FD	
38	8413373	-	-	-	-	1	RECTIFIER ASY. .. CR-DB	
39	8413371	-	-	-	-	3	RECTIFIER .. CRDB1,CRDB2,CRDB3	
40	8442298	-	1	-	-	-	RECTIFIER .. Bridge - CR1	
41	8421017	10	21	-	-	22	RECTIFIER ASY. .. Incl. block - CR2 thru CR79	
*42	8421016	10	21	-	-	22	RECTIFIER ASY. .. Silicon	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

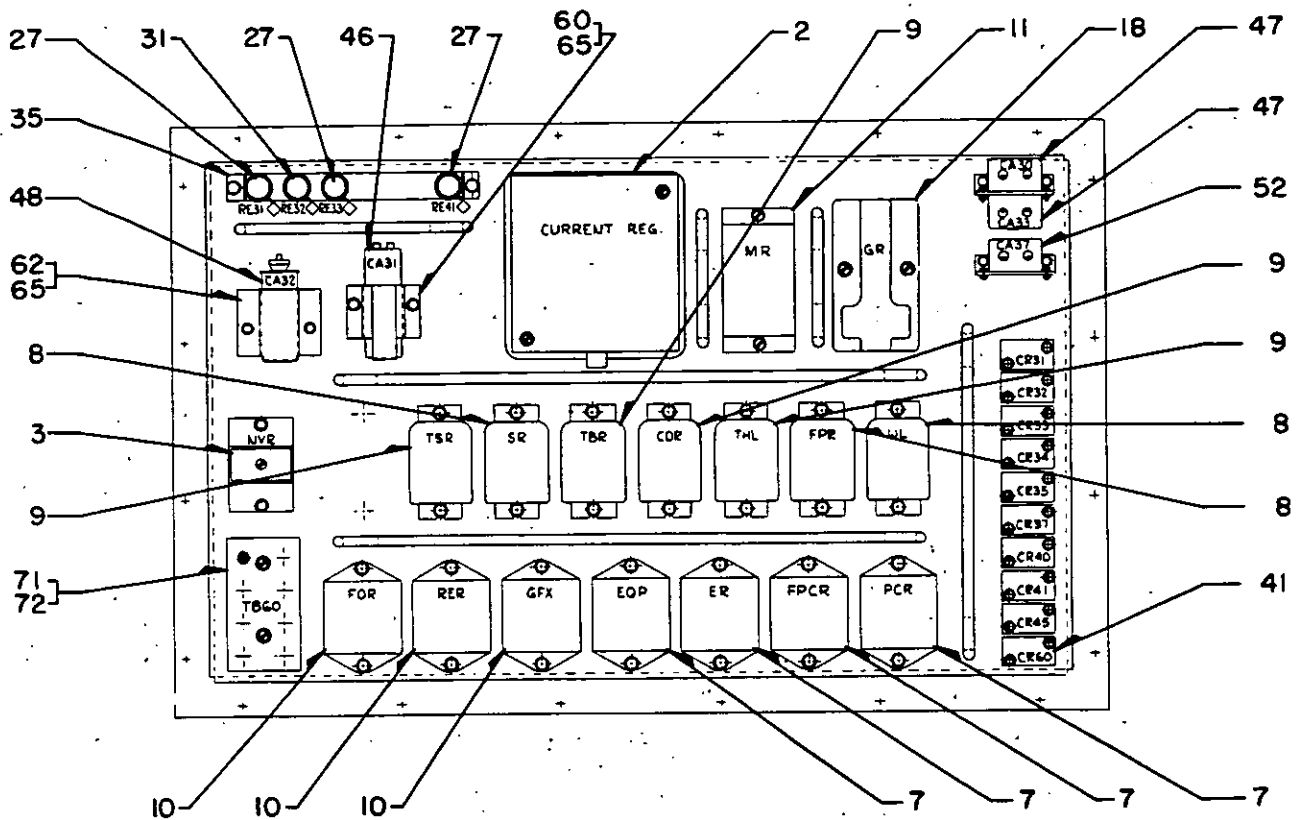
Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
-	----						PANEL ASY. ... Main control
43	9332015	-	1	-	-	-	CAPACITOR .. CA-GR - 4 MFD. - 1200 Volts R.M.S.
44	8466025	-	2	-	-	-	CAPACITOR .. CA1,CA8 - 310 MFD. - 150 Volts D.C.
45	8394395	-	1	-	-	-	CAPACITOR .. CA20 - 20 MFD. - 600 Volts D.C.
46	8466026	1	1	-	-	2	CAPACITOR .. CA24,CA31 - 500 MFD. - 150 Volts D.C.
47	8424275	2	2	-	-	2	CAPACITOR .. CA30,CA33 - 1 MFD. - 150 Volts D.C.
48	8452954	1	1	-	-	1	CAPACITOR .. CA32 - 5 MFD. - 440 Volts D.C.
49	8311501	-	1	-	-	1	CAPACITOR .. Col. A: CA34 - Col. E: CA35 - 200 MFD. - 300 V.D.C.
50	8130632	-	-	-	-	1	CAPACITOR .. CA34 - 10 MFD. - 600 Volts D.C.
51	8462713	-	-	2	1	-	CAPACITOR .. CA36,CA40 - 1200 MFD. - 100 Volts D.C.
52	8323375	1	1	-	-	1	CAPACITOR .. CA37 - 5 MFD. - 400 Volts D.C.
53	8341282	-	1	-	-	-	CAPACITOR .. CA80 - 10 MFD. - 150 Volts D.C.
54	8474262	2	2	-	-	1	ANGLE .. CA30,33,37,80 capacitor mounting
55	9517223	-	1	-	-	-	BRACKET .. CA-GR capacitor mounting
56	8247048	-	1	-	-	-	BRACKET .. CA1, 8 capacitor mounting
57	8394405	-	1	-	-	-	BRACKET .. CA20 capacitor mounting
58	8469165	-	-	-	-	1	BRACKET .. CA24,31,35 capacitor mounting
59	8498588	-	-	-	-	1	BRACKET .. CA30,32 capacitor mounting
60	8466239	1	-	-	-	-	BRACKET .. CA31 capacitor mounting
61	9517224	-	1	-	-	-	BRACKET .. CA31,32,34 capacitor mounting
62	8498587	1	-	-	-	-	BRACKET .. CA32 capacitor mounting
63	8314485	-	-	-	-	1	BRACKET .. CA34 capacitor mounting
64	8168456	-	-	4	2	-	CLAMP .. CA36,40 capacitor mounting
65	8435389	2	3	-	-	1	INSULATOR .. Capacitor spacer - 4 x 1 x 1/4 in. rubber
*66	8391245	-	1	-	-	-	INSULATOR .. CA-GR capacitor spacer
67	8276560	-	4	4	-	6	TAB .. Faston - "U" type - Two wire - 3/16 dia. stud hole
68	9517028	-	1	-	-	-	RHEOSTAT .. VAR - 1000 Ohms - 2 Watts
69	8250972	-	1	-	-	-	RHEOSTAT .. RH1 - 2500 Ohms - 50 Watts
70	8356771	-	2	-	-	-	BRACKET .. Rheostat mounting - 3-1/4 x 2-1/2 x 11 ga.
71	8354091	1	1	1	1	1	BOARD .. Terminal - 8 point
72	8263306	1	1	1	1	1	INSULATION .. Terminal board mounting
73	8081950	-	1	1	-	1	BAR .. Bus - 2-1/8 x .550 x .047 in. copper
74	8078117	-	-	1	-	-	BAR .. Bus - 1-7/8 x .550 x .047 in. copper
*75	----	As Req.					CABLE .. Main control panel - See P.L. 9106



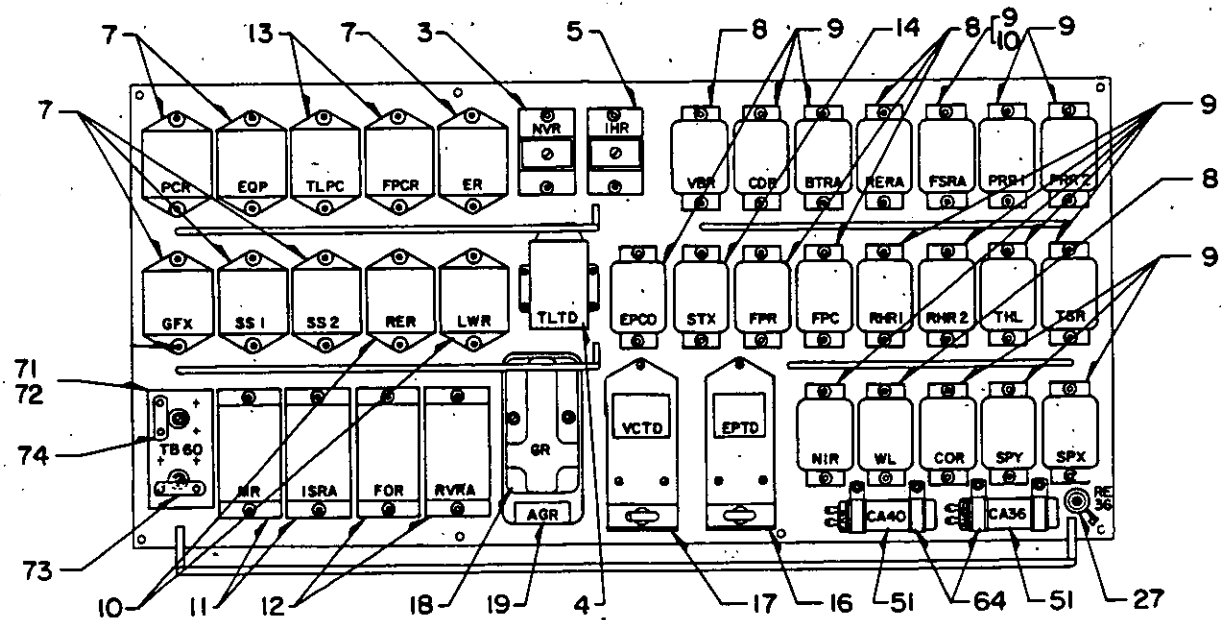
Ref. No. 1, Col. B
PLATE B3244-E-23

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. A

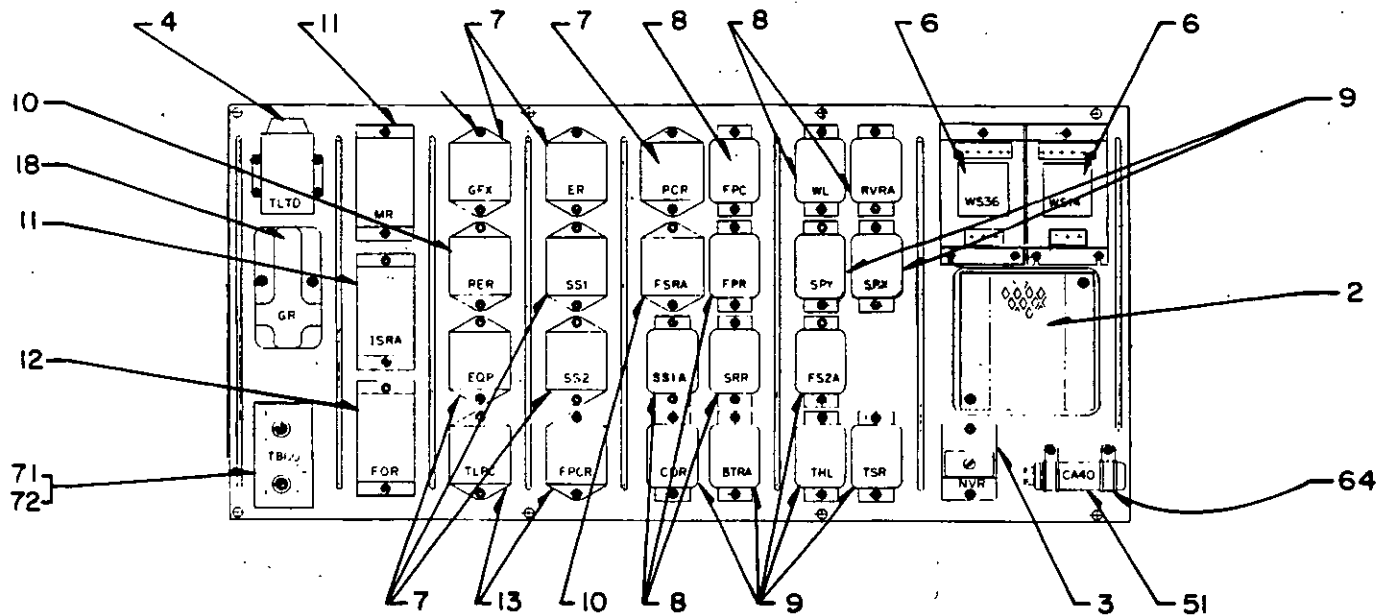


Ref. No. 1, Col. C

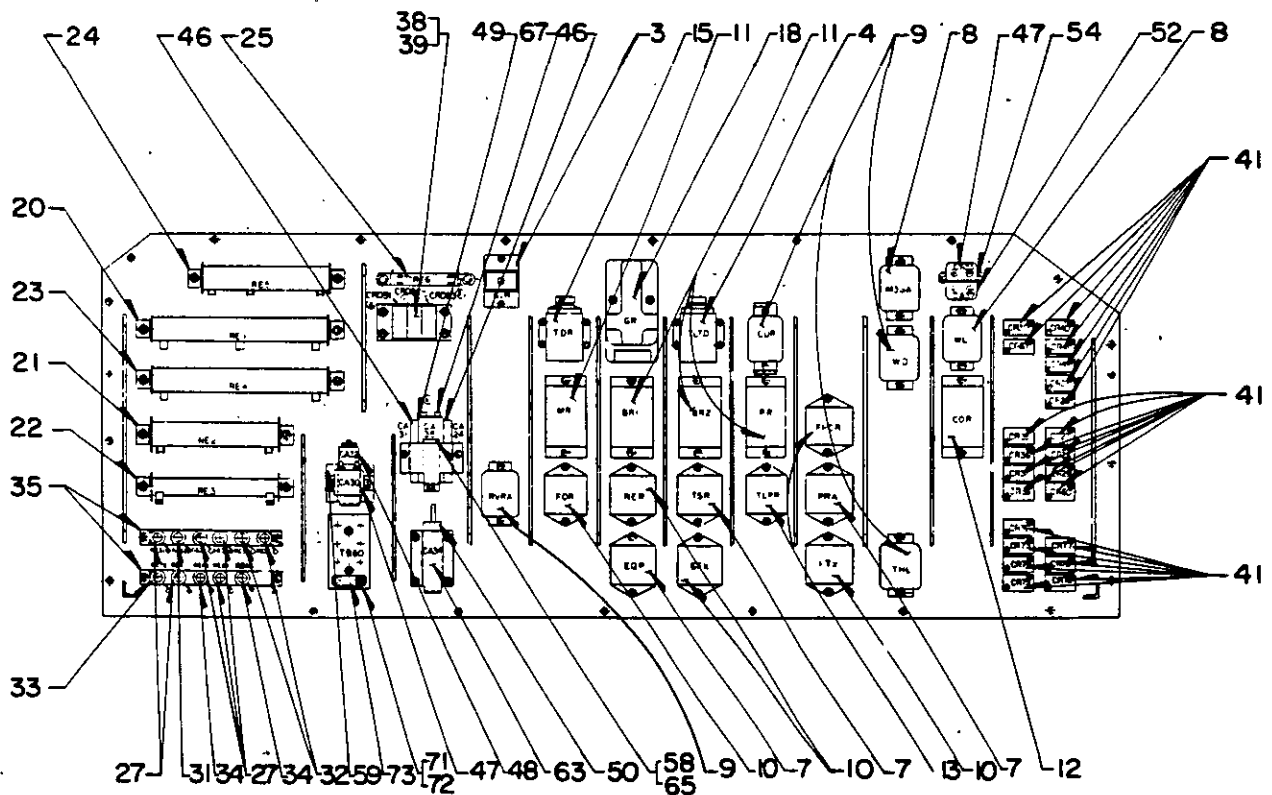
PLATE A3244-E-24

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. D

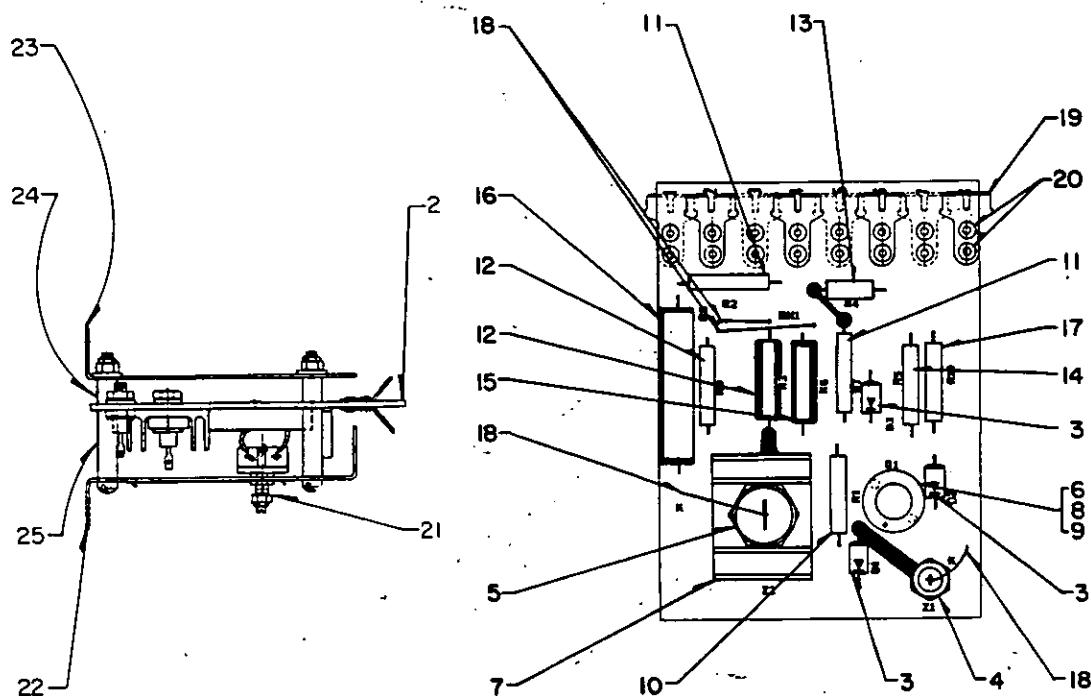


Ref. No. 1, Col. E

PLATE A3244-E-25

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
 Rate Control Panel Assembly
 GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Ref. No. 1

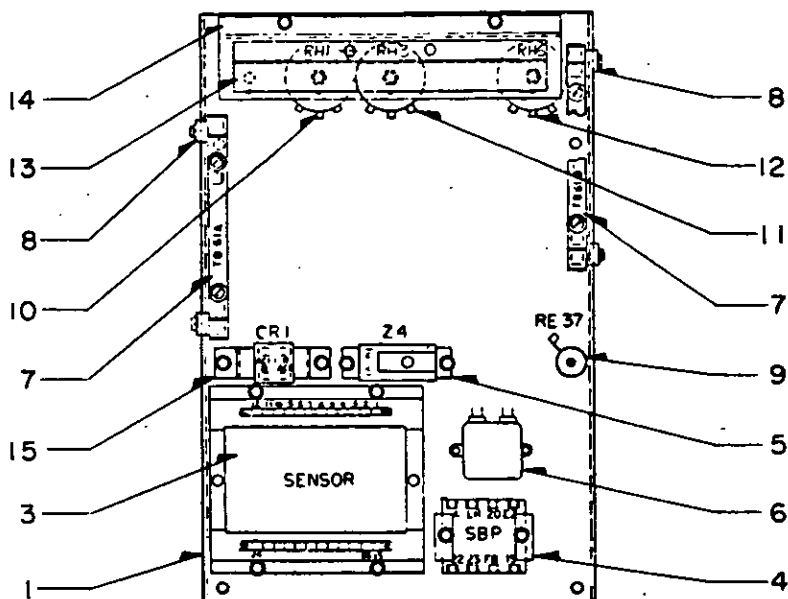
Ref. No. 2

PLATE A3244-E-26

Ref. No.	Part Number	No. Req.	Description
1	8373273	1	PANEL ASY. ... Rate control
2	8378574	1	BOARD ASY. ... Printed circuit - RCP
3	8373329	3	DIODE .. Silicon - D1,D2,D3 - 800 V.
4	8456068	1	DIODE .. Zener - Z1 - 91V
5	8436780	1	DIODE .. Zener - Z2 - 20V
6	8378759	1	TRANSISTOR .. Q1
7	8465368	1	HEAT SINK .. Z2 diode - 1-1/2 x 1-1/4 x 5/8 in. - Aluminum
8	8440127	1	HEAT SINK .. Q1 transistor - 19/64 I.D. x 3/4 O.D. x 3/8 in.
9	8463172	1	PAD .. Lead conversion - Q1 transistor - .40 dia. x .30 in. thick
10	8436782	1	RESISTOR .. R1 40K Ohms - 5 Watt
11	8378766	2	RESISTOR .. R2,R7 3000 Ohms - 5 Watt
12	8418116	2	RESISTOR .. R3,R9 1500 Ohms - 5 Watt
13	8378767	1	RESISTOR .. R4 4500 Ohms - 3 Watt
14	8378764	1	RESISTOR .. R5 20K Ohms - 5 Watt
15	8413611	1	RESISTOR .. R6 1000 Ohms - 5 Watt
16	8436781	1	RESISTOR .. R8 200 Ohms - 12.5 Watt
17	8421125	1	RESISTOR .. R10 100 Ohms - 5 Watt
18	8408649	AR	CABLE .. 20 AWG. - TFE insul. - Sold per ft. - Approx. 10 in. required
19	8378281	8	TAB .. Double terminal male faston
20	9428361	16	EYELET .. Tab mounting - 1/8 x 9/32 in. long
21	8378761	1	RHEOSTAT .. RH1 - 1000 Ohms - 12.5 Watt
22	8379306	1	BRACKET .. "Z" shaped - Panel mounting
23	8379307	1	BRACKET .. "L" shaped - Panel mounting
24	8379305	4	SPACER .. Epoxy laminate - 13/64 x 5/16 O.D. x 7/16 in. long
25	8379304	4	SPACER .. Epoxy laminate - 13/64 x 5/16 O.D. x 1-3/32 in. long
*26	8436803	1	PLATE .. Name - Rate control panel

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
Excitation Control Panel Assembly
GT26CW Locomotives

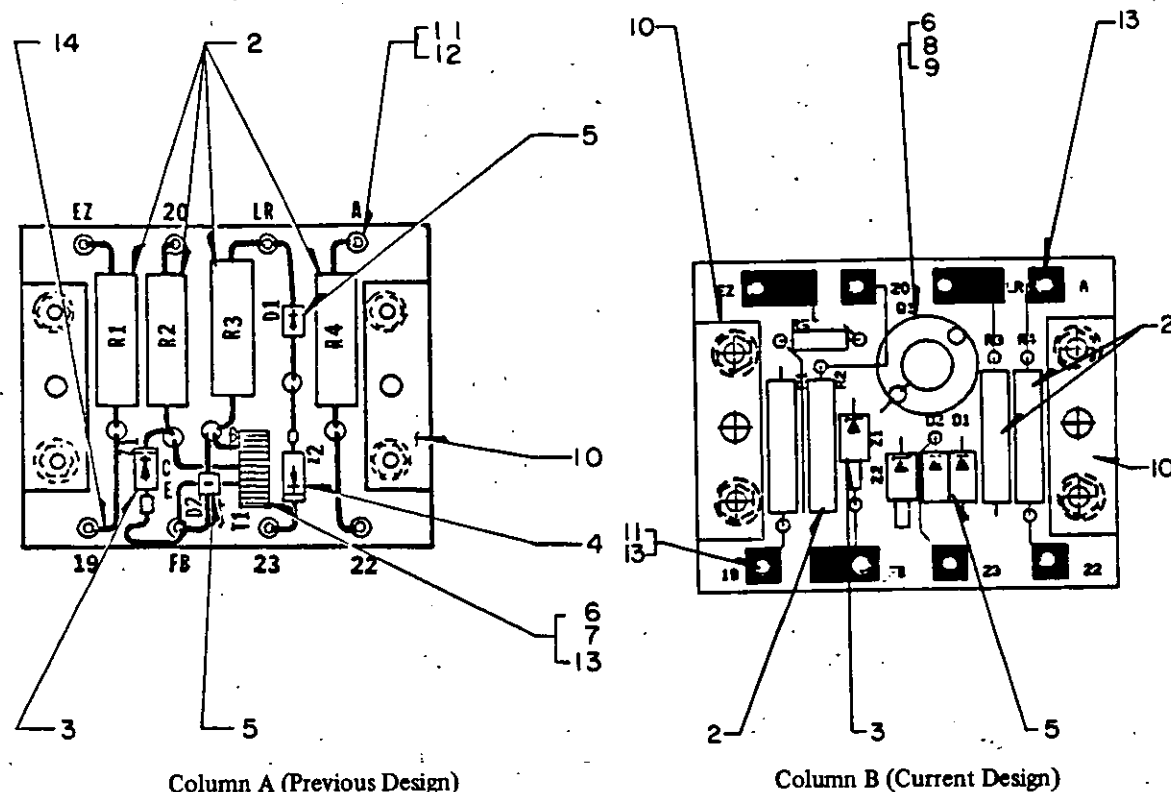


Ref. No. 1
PLATE A3244-E-27

Ref. No.	Part Number	No. Req.	Description
1	8363685	1 -	PANEL ASY. .. Excitation control
* 1	9511629	- 1	PANEL ASY. .. Excitation control
2	8363030	1 1	PANEL ASY. .. Equipment mounting - 20 - 1/4 x 12-3/8 x 11 ga.
3	8357383	1 1	PANEL ASY. .. Sensor and silicon controlled rectifier
4	8377230	1 1	PANEL ASY. .. Sensor by-pass - Replaces 8363617 - See page 43
5	8365344	1 1	DIODE ASY. .. Zener - Z4
6	8341282	2 2	CAPACITOR .. CA37,CA38 - 10 MFD. - 150 Volts D.C.
7	8363820	2 2	BOARD .. Terminal - 10 point - Faston connections - Nylon
8	8364088	2 2	BRACKET .. Terminal board mounting
9	8363066	1 1	RESISTOR .. RE37 - 2000 Ohms - 25 Watts
10	8250973	1 -	RHEOSTAT .. RH1 - 1000 Ohms - 50 Watts
11	8287379	1 1	RHEOSTAT .. RH3 - 1500 Ohms - 50 Watts
12	8331127	1 1	RHEOSTAT .. RH6 - 500 Ohms - 50 Watts
13	8390970	1 1	GUARD .. Rheostat
14	8390971	1 1	BRACKET .. Mounting
15	8363197	1 1	RECTIFIER .. CR1 - Single phase full wave bridge
*16	8421017	1 1	RECTIFIER .. CR40 - Incl. block
*17	8365499	1 -	TIMER .. Electro-thermal blown timer - EBT - See P.L. 4530
*18	8363730	1 -	CABLE FORM .. Excitation control panel
*18	9525015	- 1	CABLE FORM .. Excitation control panel
*19	8468611	AR	CABLE .. 14 AWG. - LF heavy insul. - 500 ft. roll
*20	8472022	AR	CABLE .. 14 AWG. - LF thin insul. - 500 ft. roll
*21	8283763	AR -	CABLE .. 14 AWG. - SRG - D insul. - 100 ft. roll - Formerly applied
*22	8333192	40/40	TERMINAL .. Non-insul. female faston tab
*23	8250906	50/50	TERMINAL .. Insul. female faston tab - Blue
*24	8272337	44/44	TERMINAL .. Insul. female faston tab - Yellow
*24	9419649	4 4	SCREW .. Tapping - Panel mounting - 5/16 - 18 x 1-1/4 hex. washer head

23674 AEM EL96984 8363685L 8448004 9511629A 8489232

ELECTRICAL CONTROL CABINET
Sensor By-Pass Panel
GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



Column A (Previous Design)

Column B (Current Design)

Ref. No. 1
PLATE A3244-E-28

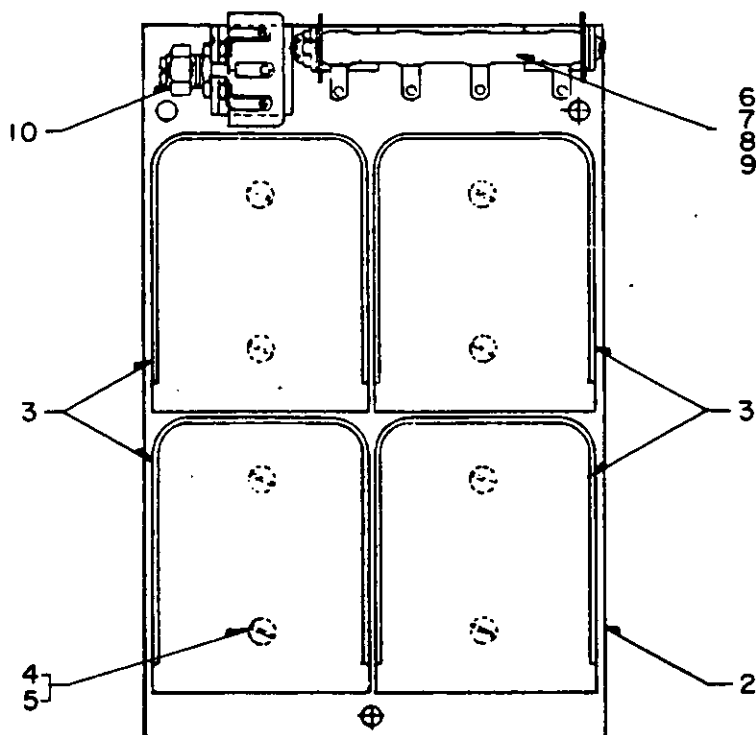
Ref. No.	Part Number	No. Req.	Description
1	8377230	1 -	PANEL ASY. .. Sensor by-pass - Previous design (Prior to mid 1977)
1	8377230	- 1	PANEL ASY. .. Sensor by-pass - Current design (Since mid 1977)
2	8378628	4 4	RESISTOR .. R1,R2,R3,R4 - 4000 Ohms - 5 Watts
3	8378680	1 1	DIODE .. Zener - Z1
4	8378679	1 -	DIODE .. Zener - Z2
5	8373329	2 1	DIODE .. Silicon - D1,D2
6	8378759	1 1	TRANSISTOR .. Col A: T1 - Col. B: Q1
7	8305770	1 -	HEAT SINK .. Transistor
8	8440127	- 1	HEAT SINK .. Transistor
9	8463172	- 1	PAD .. Lead conversion - .40 dia. x .30 in. thick
10	8378676	2 2	BLOCK .. Insulator
11	8339983	8 7	TAB .. Faston - Two wire "U" type
12	9415299	8 -	EYELET .. Tab mounting - 1/8 x 1/4 in. long
13	8383119	5 7	EYELET .. Lead protection (Col. A) - Tab mounting (Col. B) - 1/8 x 3/16 in.
14	8397794	AR -	CABLE .. 18 AWG. - Teflon insul. - Sold per foot
*15	8339993	AR -	TUBING .. Vinyl - .042 I.D.
*16	8451179	- 121	CONNECTOR .. Cable - Circuit board - .015 dia. to .050 dia.

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Throttle Response Panel Assembly

GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



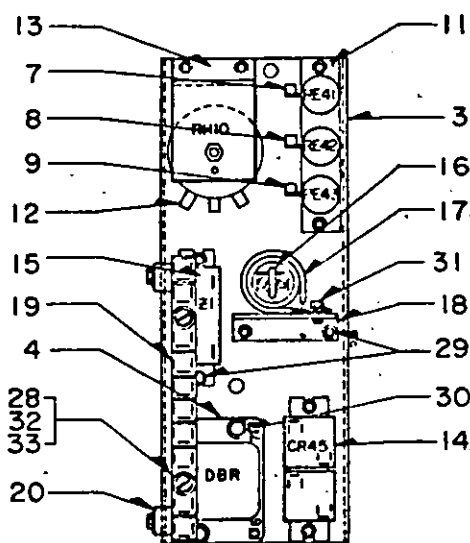
Ref. No. 1

PLATE A3244-E-29

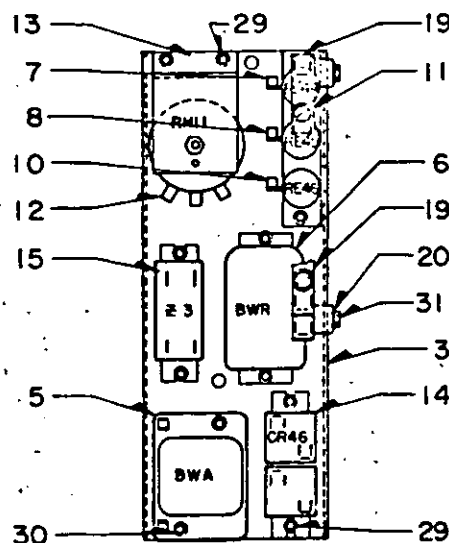
Ref. No.	Part Number	No. Req.		Description	Replaced By	Locomotive Application
		A	B			
1	8481557	1	-	PANEL ASY... Throt. response	8481557	GT22CU,GT22CW,GT26CW, GT26CU-2 and GT26CW-2
1	8365431	-	1	PANEL ASY... Throt. response		
2	8380275	1	1	PLATE .. Base - 11 ga. x 5 x 7-5/8 in.		
3	8370839	4	4	RELAY .. Voltage - Coil resistance - 1,850 Ohms - See P.L. 5440		
4	436663	8	8	SCREW .. Machine - 6-32 x 3/8 pan head		
5	138526	8	8	WASHER .. Lock - No. 6 - Internal tooth		
6	8481555	1	-	RESISTOR ASSEMBLY .. 151/315/348 - 1000/1170/700/488 Ohms		
6	8372128	-	1	RESISTOR ASSEMBLY .. 136/310/454 - 8500/3500/1370/732 Ohms		
7	120222	2	2	SCREW .. Machine - 10-24 x 5/8 round head		
8	120391	2	2	WASHER .. Plain - No. 10		
9	8035123	2	2	NUT .. Lock - 10-24 hex.		
10	8372461	1	1	RHEOSTAT .. 10,000 Ohms - 2 Watts		
*11	8380786	1	1	CABLE FORM .. Throttle response panel		
*12	8397794	-	-	CABLE .. 18 AWG. - Teflon insulated - Sold per foot - 15 ft. required		
*13	8380934	26	26	TERMINAL .. Insulated female faston tab - Red - No. 18 AWG.		
*14	9424783	3	3	SCREW .. Tapping - Panel mounting - 10-24 x 3/4 hex. washer head		

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Dynamic Brake and Brake Warning Panel Assemblies
GT26CW Locomotive

Ref. No. 1



Ref. No. 2

PLATE A3244-E-30

Ref. No.	Part Number	No. Req.	Description
1	8366057	A 1	PANEL ASSEMBLY .. Dynamic brake
2	8364238	B 1	PANEL ASSEMBLY .. Brake warning
3	8364201	1 1	PANEL .. Equipment mounting - 4-15/16 x 13-1/8 in.
4	8404532	1 -	RELAY .. Dynamic brake - DBR - See P.L. 5496
5	8331302	- 1	RELAY .. Brake warning auxiliary - BWA - See Parts List 5496
6	8357415	- 1	RELAY .. Brake warning - BWR - See Parts List 5440
7	8336365	1 1	RESISTOR .. RE41,44 - 15,000 Ohms - 25 Watts
8	8336373	1 1	RESISTOR .. RE42,45 - 3,500 Ohms - 25 Watts
9	8366058	1 -	RESISTOR .. RE43 - 500 Ohms - 50 Watts
10	8252712	- 1	RESISTOR .. RE46 - 500 Ohms - 25 Watts
11	8357162	1 1	BRACKET .. Resistor mounting
12	8228114	1 1	RHEOSTAT .. RE10,11 - 500 Ohms - 75 Watts
13	8356711	1 1	BRACKET .. Rheostat mounting
14	8363439	1 1	RECTIFIER .. CR45,46
15	8331020	1 1	DIODE ASY. .. Zener - Col. A: Z1 - Col. B: Z3
16	8332029	1 -	CAPACITOR .. CA41 - 50 MFD.
17	8168456	1 -	CLAMP .. Insulated - Capacitor mounting
18	8375386	1 -	ANGLE .. Clamp mounting
19	8363820	1 1	BOARD .. Terminal - 10 point - Faston tab connections
20	8364088	1 1	BRACKET .. Terminal board mounting
*21	8366059	1 -	CABLE FORM .. Dynamic brake panel
*22	8364239	- 1	CABLE FORM .. Brake warning panel
*23	8468611	A.R.	CABLE .. 14 AWG - LF insul. - 500 ft. roll (Approx. 5 ft. req.)
*24	8283763	A.R.	CABLE .. 14 AWG - SRG-D insl. - 100 ft. roll (Approx. 6 ft. req.)
*25	8333192	14 10	TERMINAL .. Non-insl. female faston tab - No. 14 to 18 AWG
*26	8250906	35 36	TERMINAL .. Insul. female faston tab - Blue - No. 12 to 16 AWG
*27	8276560	2 -	TAB .. "U" type - Two wire - 3/16 dia. stud hole
28	132124	2 2	SCREW .. Machine - 10-32 x 3/4 fil. head
29	9419644	10 8	SCREW .. Tapping - 10-24 x 1/2 hex. washer head
30	9419645	2 2	SCREW .. Tapping - 10-24 x 1-1/4 hex. washer head
31	9420156	3 4	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
32	121801	2 2	WASHER .. Lock - No. 10
33	446161	2 2	WASHER .. Plain - No. 10
*34	9419649	2 2	SCREW .. Tapping - Panel mounting - 5/16-18 x 1-1/4 hex. washer head

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Engine Control Panel Assembly

GL18M,GT22CU,GT22CW,GT22HW,JT22CW,JT22CW-2,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATES A3244-E-31 and 32

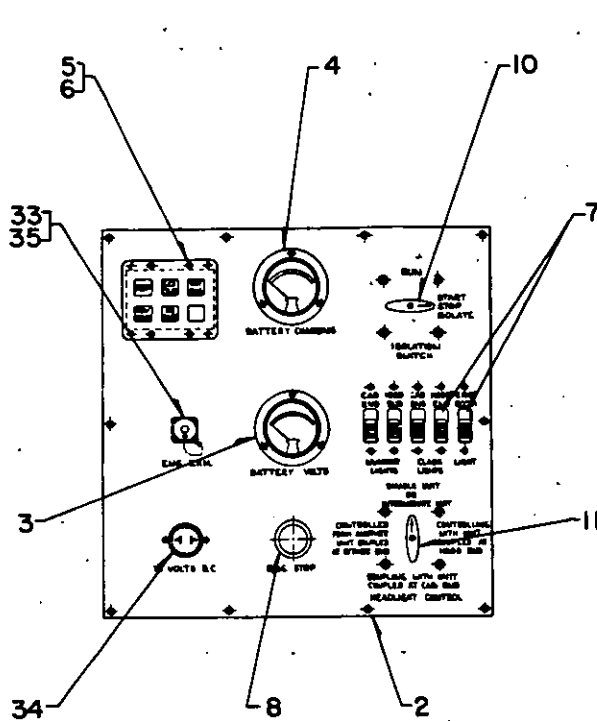
Ref. No.	Part Number	Number Required							Description	Locomotive Application
		A	B	C	D	E	F	G		
1	9325536	1	-	-	-	-	-	-	PANEL ASY. .. Engine control	GL18M
1	8470289	-	1	-	-	-	-	-	PANEL ASY. .. Engine control	GT22CU,GT22CW,GT26CU-2,GT26CW-2
1	9515669	-	-	1	-	-	-	-	PANEL ASY. .. Engine control	GT22HW
1	9099166	-	-	-	1	-	-	-	PANEL ASY. .. Engine control	JT22CW
1	9500256	-	-	-	-	1	-	-	PANEL ASY. .. Engine control	JT22CW-2
1	8447851	-	-	-	-	-	1	-	PANEL ASY. .. Engine control	GT26CW
1	9510341	-	-	-	-	-	-	1	PANEL ASY. .. Engine control	GT26CW
1	9514194	-	-	-	-	-	-	1	PANEL ASY. .. Engine control	GT26CW-2

Components of Panel Assemblies listed in the same column are the same unless otherwise specified.

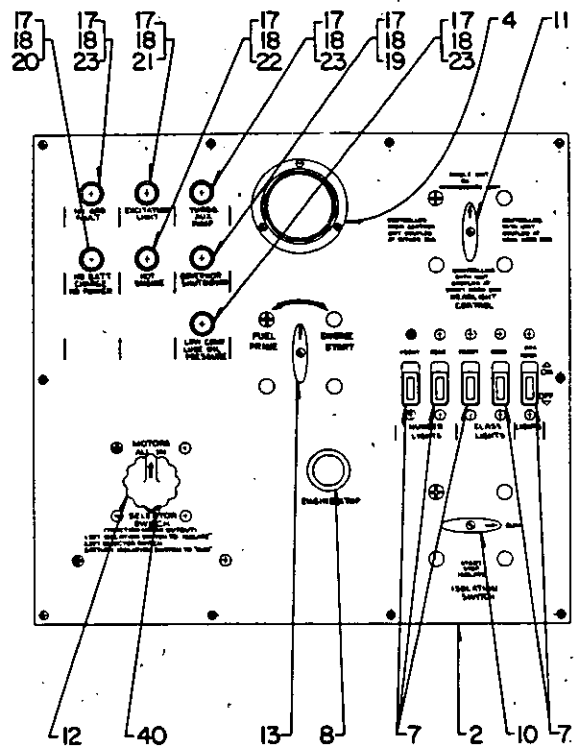
2	----	1	1	1	1	1	1	1	PLATE .. Name - Equip. mtg. - Specify loco. model and serial no.	
3	6960162	1	-	-	-	-	-	-	VOLTMETER .. Battery - 0 to 100 Volts D.C.	
4	8295501	1	1	1	-	-	1	1	AMMETER .. Battery charging - Red - Green dial - 75 M.V. defl.	
5	8484374	1	-	-	-	1	-	-	PANEL ASY. .. Indicator light switch - See P.L. 3286	
6	8484055	1	-	-	-	1	-	-	GUARD .. Switch panel lens	
7	8404148	5	5	3	-	2	5	3	SWITCH .. Slide button - Lights - 1 N.O. (C-D) - (3) req'd. for 9510341	
8	8384650	1	1	1	1	1	1	1	SWITCH .. Red push button - Engine stop - 2 N.C.	
9	8487875	-	-	-	-	1	-	-	SWITCH .. Base - Push to test	
10	8433191	1	-	1	-	-	-	-	SWITCH .. Rotary - Isolation - 2 position - 9 pole	
10	8330988	-	1	-	-	-	1	-	SWITCH .. Rotary - Isolation - 2 pos. - 8 pole - Except 9510341	
10	9098329	-	-	-	1	1	-	-	SWITCH .. Rotary - Isolation - 2 position - 1 pole	
11	8439118	1	-	-	-	-	-	-	SWITCH .. Rotary - Headlight - 4 position - 4 pole	
11	8243533	-	1	-	-	-	1	1	SWITCH .. Rotary - Headlight - 4 pos. - 4 pole - Except 9510341	
φ 12	8410838	-	1	-	-	-	-	-	SWITCH .. Rotary - Motor cut-out - 4 pos. - 4 pole	Incl. 2 N.O.
φ 12	8366391	-	1	-	-	-	-	1	SWITCH .. Rotary - Motor cut-out - 4 pos. - 2 pole	Aux. Conts.
φ 12	8366108	-	1	-	-	-	-	-	SWITCH .. Rotary - Motor cut-out - 4 pos. - 16 section	
13	8441983	-	1	1	-	-	1	-	SWITCH .. Rotary - Fuel prime/eng. start - 3 pos. - 6 pole	
13	8426700	-	-	-	1	1	-	-	SWITCH .. Rotary - Fuel prime/eng. start - 3 pos. - 5 pole	
14	8458698	-	-	-	-	-	1	-	BREAKER .. Circuit - Water cooler - S.P. - 15 Amps.	
15	8458724	-	-	-	-	-	1	-	BREAKER .. Circuit - Air brake htg. - D.P. - 30 Amps.	
16	8414231	-	-	-	-	-	2	-	BREAKER .. Circuit - Cab heater - D.P. - 50 Amps.	
17	8421182	-	7	6	3	-	6	6	LAMP .. Slide base - 48 volt - 2.5 Watt	
17	8482811	-	-	-	-	1	-	-	LAMP .. Subminiature - 6 volts - 20 Amps.	
17	8140357	-	-	-	-	-	7	-	LAMP .. Min bayonet base - 6-8V. - 25A - Formerly applied	
18	8438423	-	7	6	3	-	6	6	SOCKET .. Slide base - Incl. 2 Watt, 1000 Ohm resistor	
18	8306534	-	-	-	-	-	7	-	HOLDER .. Single contact base - Formerly applied	
19	8438426	-	1	1	-	-	1	1	LENS .. Female threaded plastic dome - Amber	
20	8438427	-	1	1	1	-	1	1	LENS .. Female threaded plastic dome - Blue	
21	8453283	-	1	-	-	-	1	-	LENS .. Female threaded plastic dome - Green	
22	8438424	-	1	1	-	-	1	1	LENS .. Female threaded plastic dome - Red	
23	8438428	-	3	2	1	-	2	2	LENS .. Female threaded plastic dome - White	
24	8438425	-	-	1	1	-	-	1	LENS .. Female threaded plastic dome - Clear	
25	8331059	-	-	-	-	-	2	-	LENS .. Bayonet capped conv. faceted glass - Amber	} Formerly Applied
26	8331058	-	-	-	-	-	1	-	LENS .. Bayonet capped conv. faceted glass - Blue	
27	8331060	-	-	-	-	-	1	-	LENS .. Bayonet capped conv. faceted glass - Green	
28	8287291	-	-	-	-	-	1	-	LENS .. Bayonet capped conv. faceted glass - Red	
29	8331057	-	-	-	-	-	2	-	LENS .. Bayonet capped conv. faceted glass - White	
30	8496490	-	-	-	-	1	-	-	CAP .. Lens - "Aux. Power T.L."	
31	8487876	-	-	-	-	1	-	-	GUARD .. Lens cap	
32	8377850	-	-	-	-	1	-	-	DISC .. Switch locating	
33	6956570	1	-	-	-	-	-	-	RECEPTACLE .. Engine R.P.M.	
34	8260287	1	-	-	-	-	1	-	RECEPTACLE .. 74 V.D.C. - 2 pole female	
35	6959742	1	-	-	-	-	-	-	CAP .. Engine R.P.M. receptacle protection	
*36	8376085	-	-	-	-	-	1	-	RESISTOR ASY. .. Lamp - (3) 275 Ohms - 25 Watts - Formerly applied	
*37	8474726	-	1	-	-	-	-	-	BRACKET .. Switch mtg. - Applied with Ref. No. 13 8366108	
*38	8367578	-	1	-	-	-	-	1	BRACKET .. Switch mtg. - Right } Applied with Ref. Nos. 13	
*39	8367579	-	1	-	-	-	-	1	BRACKET .. Switch mtg. - Left } 8410838 and 8366391	
40	8164049	-	1	-	-	-	-	1	SEAL .. Traction motor cut-out switch - Incl. wire	
41	8364042	-	-	-	-	-	3	-	LATCH .. Panel	
42	8364041	-	-	-	-	-	3	-	GUIDE .. Latch	
43	8337005	-	-	-	-	-	1	-	HINGE .. Panel mounting	
44	----	-	-	1	-	-	1	1	PLATE .. Name - Danger 600 Volts	

ELECTRICAL CONTROL CABINET

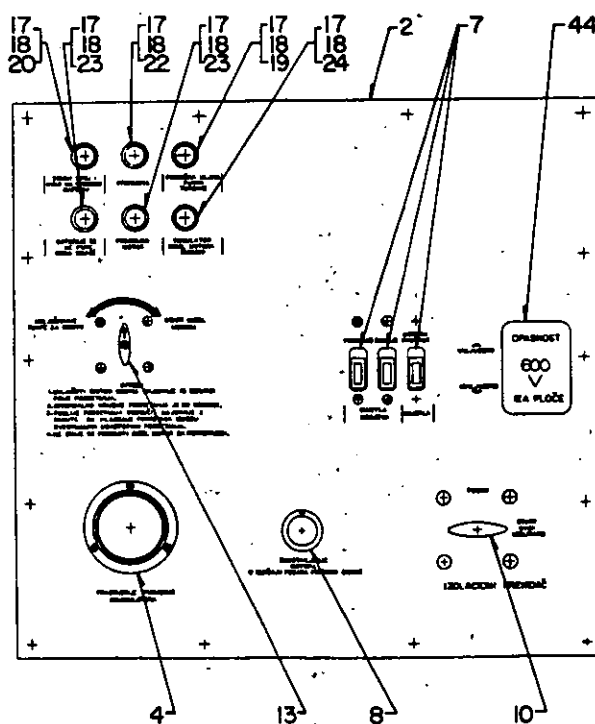
P.L. No. C3244-E



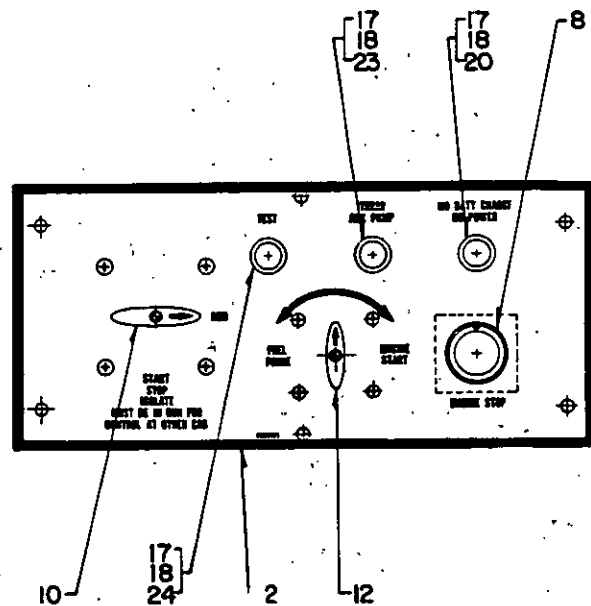
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Ref. No. 1, Col. B



Ref. No. 1, Col. C

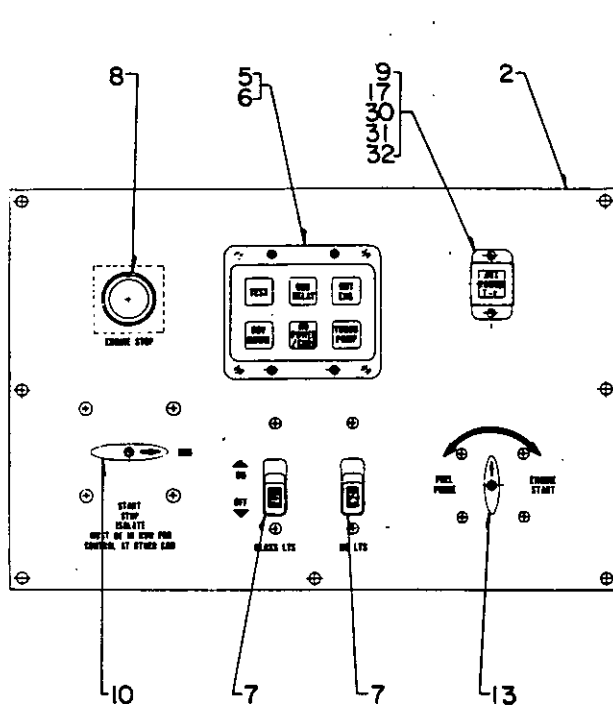


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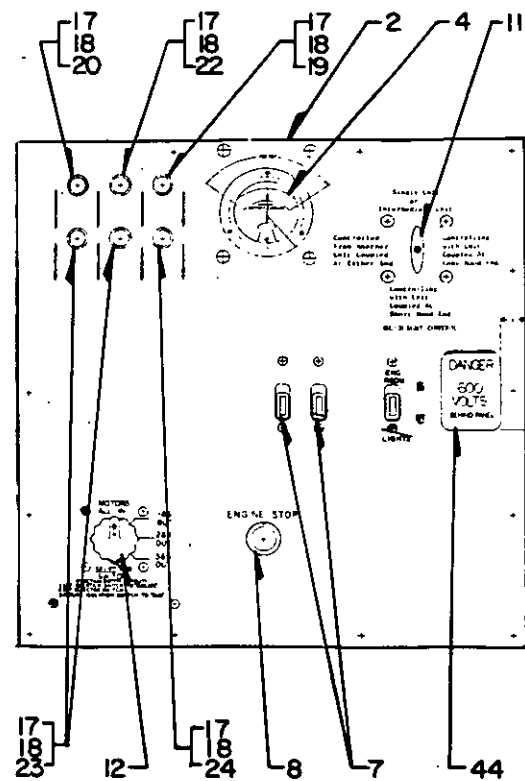
PLATE A3244-E-31

P.L. No. C3244-E

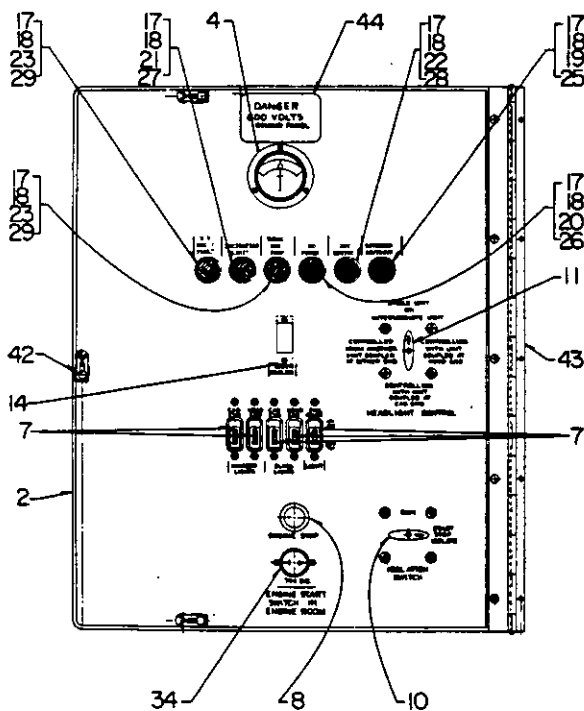
ELECTRICAL CONTROL CABINET



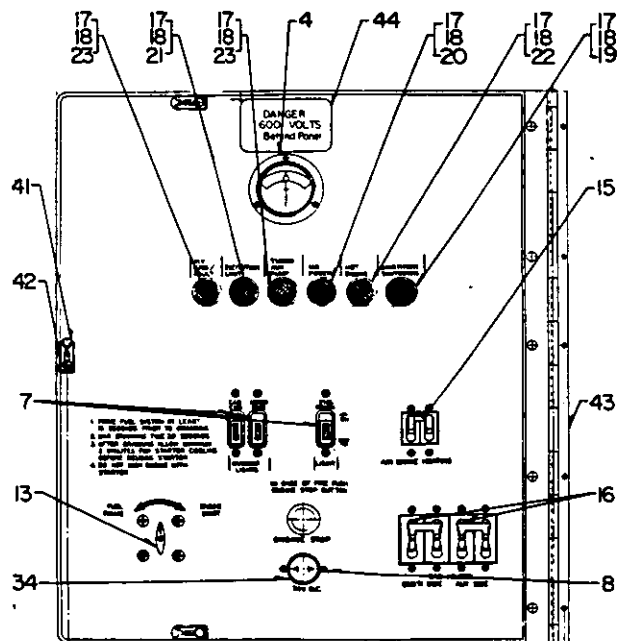
Ref. No. 1, Col. E



Ref. No. 1, Col. G



Ref. No. 1, Col. F (8447851)



Ref. No. 1, Col. F (9510341)

PLATE A3244-E-32

ELECTRICAL CONTROL CABINET

Circuit Breaker Panel Assembly

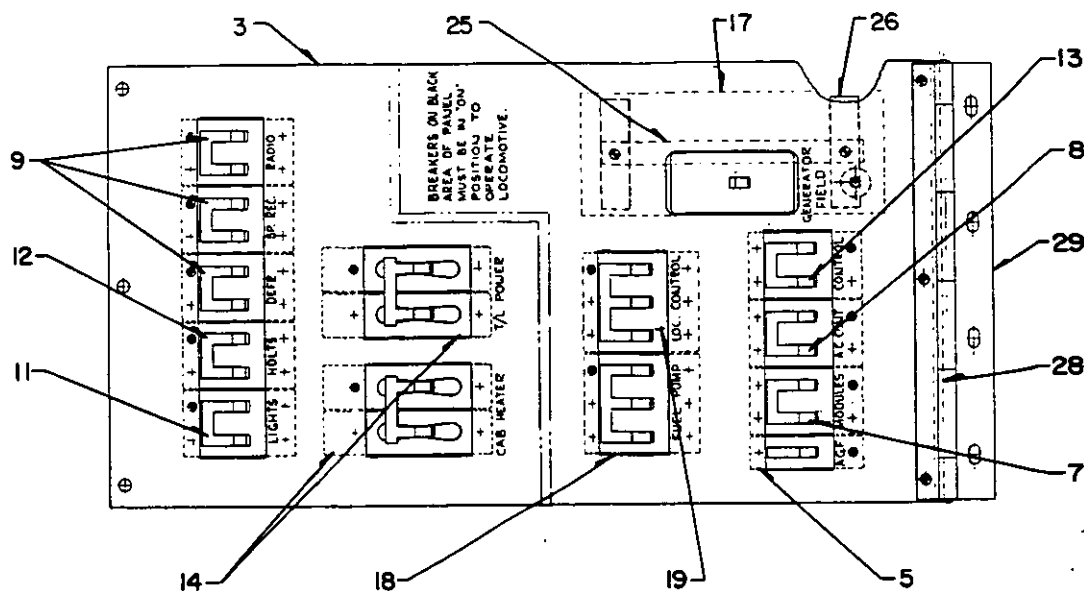
GL18M,GT22CU,GT22CW,GT22HW,JT22CW-2,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

PLATES A3244-E-33 and 34

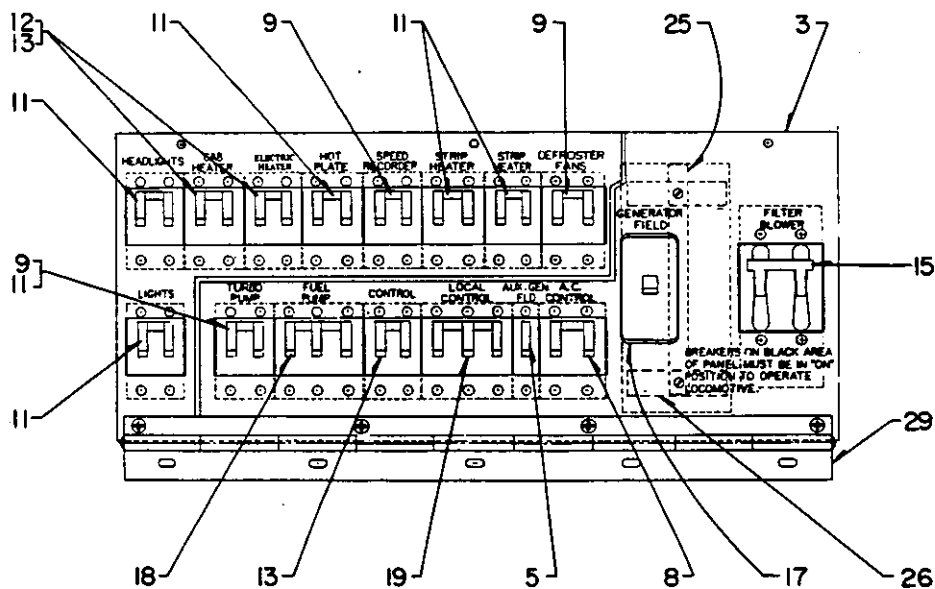
Ref. No.	Part Number	Number Required								Description	Locomotive Application
		A	B	C	D	E	F	G	H		
1	9325537	1	-	-	-	-	-	-	-	PANEL ASY... Circuit breaker	GL18M
1	8470071	-	1	-	-	-	-	-	-	PANEL ASY... Circuit breaker	GT22CU,GT22CW,GT26CU-2, GT26CW-2
1	9516721	-	-	1	-	-	-	-	-	PANEL ASY... Circuit breaker	GT22HW
1	9099755	-	-	-	1	-	-	-	-	PANEL ASY... Circuit breaker	JT22CW
1	9339365	-	-	-	-	1	-	-	-	PANEL ASY... Circuit breaker	JT22CW-2
* 1	8447897	-	-	-	-	-	1	-	-	PANEL ASY... Circuit breaker	GT26CW
1	9510340	-	-	-	-	-	-	1	-	PANEL ASY... Circuit breaker	GT26CW
* 1	9514405	-	-	-	-	-	-	-	1	PANEL ASY... Circuit breaker	GT26CW-2
2	8360181	-	-	-	-	-	1	1	-	PANEL .. Equipment mounting	
3	----	1	1	1	1	1	1	1	1	PLATE .. Name - Equipment mounting	
4	9095648	-	-	1	1	1	-	-	-	BREAKER .. Circuit - S.P. - 6 Amp. - Aux. gen. field	
φ 5	8458698	1	1	-	-	-	4	1	1	BREAKER .. Circuit - S.P. - 15 Amp. - Aux. gen. field, ATS, auto drain timer, defros. fans, speed rec., turbo pump	
φ 6	8458699	-	-	-	-	-	3	2	-	BREAKER .. Circuit - S.P. - 30 Amp. - Hdt., turbo pump, signal light	
7	8458728	1	-	1	1	1	-	-	1	BREAKER .. Circuit - D.P. - 5 Amp. - Module control	
8	8458727	1	3	1	1	1	-	-	1	BREAKER .. Circuit - D.P. - 15 Amp. - 250 V.A.C. - A.C. cont., water cooler, signal light	
φ 9	8458739	3	4	2	-	3	2	2	2	BREAKER .. Circuit - D.P. - 15 Amp. - 74 V.D.C. - Def. fans, cab heater, elect. heater, fuel pump, radio, speed rec., speed ind., turbo pump	
10	9090434	-	-	-	-	1	-	-	-	BREAKER .. Circuit - D.P. - 15 Amp. - 250 V.A.C. - Refrigerator	
φ 11	8458724	1	6	6	4	2	3	3	3	BREAKER .. Circuit - D.P. - 30 Amp. - Aux. heater (2), head end cont., hdt., hot plate (2), lights, turbo	
φ 12	8458726	1	2	-	1	1	-	-	-	BREAKER .. Circuit - D.P. - 35 Amp. - Cab htr. (2), hdlts	
φ 13	8458738	1	3	1	1	1	1	1	3	BREAKER .. Circuit - D.P. - 40 Amp. - Cab htr. (2), control	
14	8414231	2	-	-	-	-	-	-	-	BREAKER .. Circuit - D.P. - 50 Amp. - Cab htr., T/L power	
15	8448859	-	1	-	-	-	-	-	-	BREAKER .. Circuit - D.P. - 50 Amp. - 250 V.A.C. - Blower motor	
16	6945270	-	-	-	2	-	-	-	-	BREAKER .. Circuit - D.P. - 70 Amp. - Cab heater (2)	
17	8433383	1	1	-	2	-	-	-	-	BREAKER .. Circuit - D.P. - 100 Amp. - Gen. field, aux. gen.	
18	8458741	1	1	1	1	1	-	-	1	BREAKER .. Circuit - 3 P. - 15 Amp. - Fuel pump	
19	8458742	1	1	1	1	1	1	1	1	BREAKER .. Circuit - 3 P. - 30 Amp. - Local control	
20	8373198	-	-	1	-	1	-	-	1	SWITCH .. Toggle - 3 P. - S.T. - Ground relay cut-out	
21	9329653	-	-	1	-	1	-	-	1	GUARD .. Toggle switch	
22	8468031	-	-	1	-	1	-	-	1	PIN .. 9/32 x 1-9/16 in. long	
23	8357939	-	-	1	-	1	-	-	1	SEAL .. Includes 6 in. long wire	
24	8292841	-	-	-	-	-	1	1	-	GUARD .. Turbo pump circuit breaker	
25	8444010	1	1	-	2	-	-	-	-	PLATE .. Circuit breaker support - 6 x 1/2 x 11 ga.	
26	9330456	2	2	-	4	-	-	-	-	PAD .. Spacer - Breaker to panel - 2-1/2 x 5/8 x 3/16 in.	
* 27	9085164	-	4	-	8	-	-	-	-	BAR .. Bus - Circuit breaker - 1-3/8 x 7/8 x 3/4 x 1/8 in.	
28	9325746	1	-	-	-	-	-	-	-	STRIP .. Hinge mounting - 9-7/8 x 3/8 x 11 ga.	
28	9514447	-	-	1	-	-	-	-	1	STRIP .. Hinge mounting - 11 x 3/8 x 11 ga.	
28	9310080	-	-	-	1	-	-	-	-	STRIP .. Hinge mounting - 16 x 3/8 x 11 ga.	
28	9339367	-	-	-	-	1	-	-	-	STRIP .. Hinge mounting - 11-3/8 x 3/8 x 11 ga.	
29	9325668	1	-	-	-	-	-	-	-	HINGE .. Panel - 9-7/8 x 1-11/16 in.	
29	8470072	-	1	-	-	-	-	-	-	HINGE .. Panel - 18 x 1-11/16 in.	
29	9514449	-	-	1	-	-	-	-	1	HINGE .. Panel - 11-7/8 x 1-11/16 in.	
29	9099756	-	-	-	1	-	-	-	-	HINGE .. Panel - 16 x 1-5/8 in.	
29	9339366	-	-	-	-	1	-	-	-	HINGE .. Panel - 11-7/8 x 1-11/16 in.	
30	9318606	-	-	-	1	-	-	-	-	INSULATION .. Panel - 3/4 I.D. x 7/8 O.D. x 13-1/4 in. long	

P.L. No. C3244-E

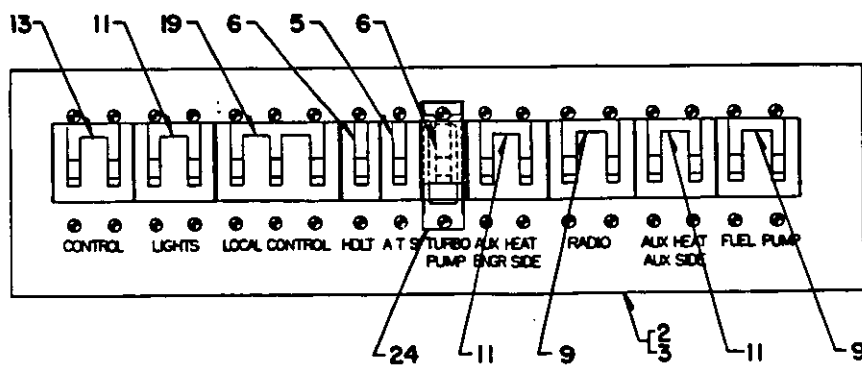
ELECTRICAL CONTROL CABINET



Ref. No. 1, Col. A

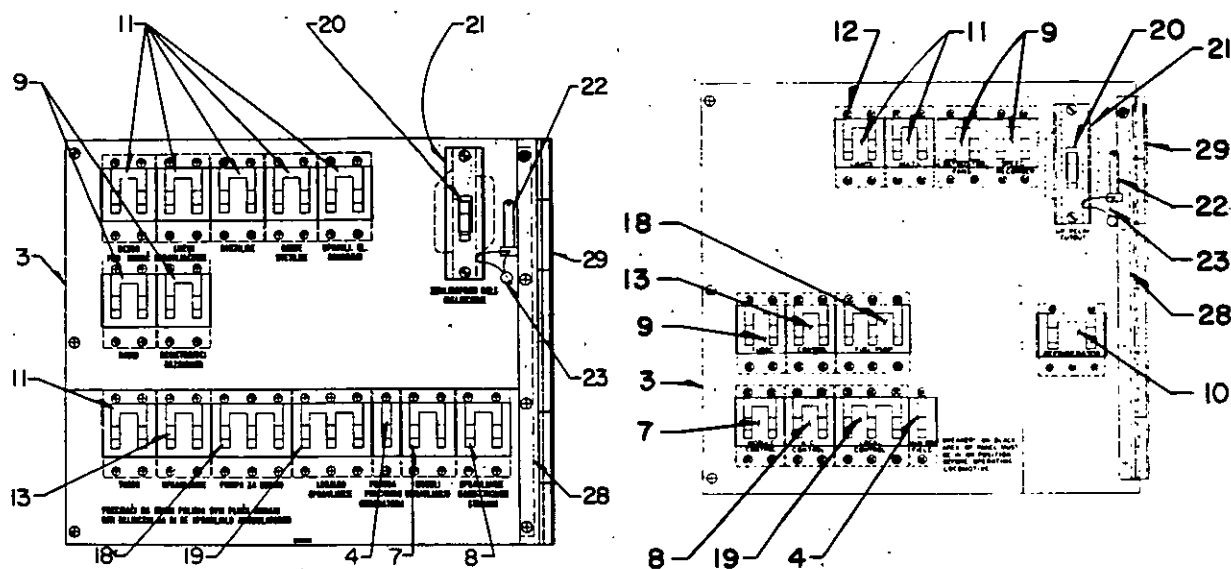


Ref. No. 1, Col. B

Ref. No. 1, Col. G
PLATE A3244-E-33

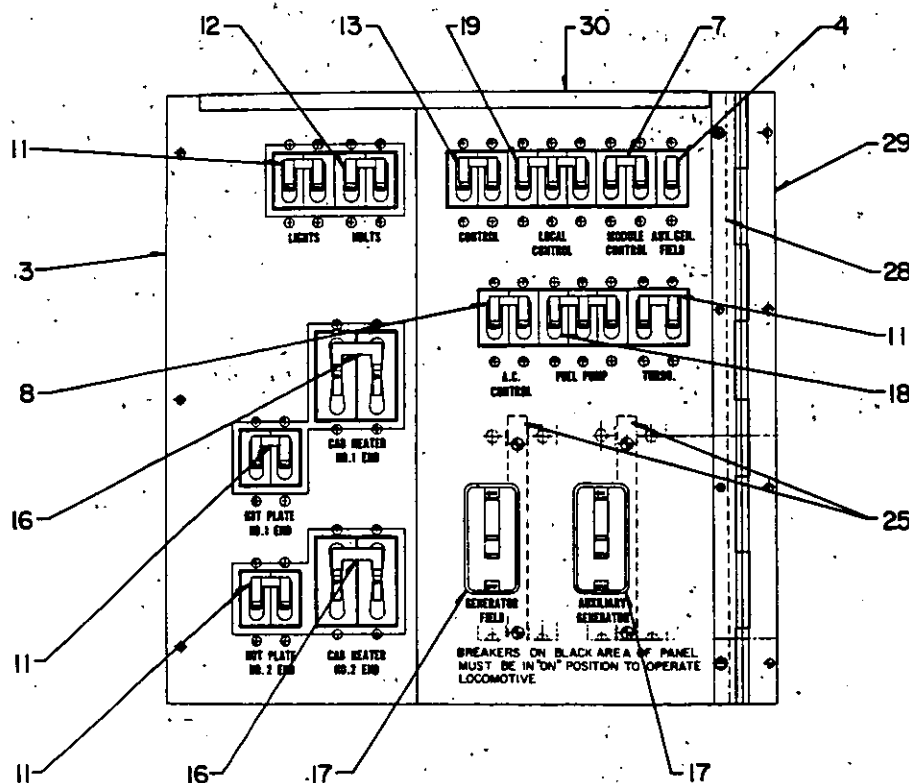
ELECTRICAL CONTROL CABINET

P.L. No. C3244-E



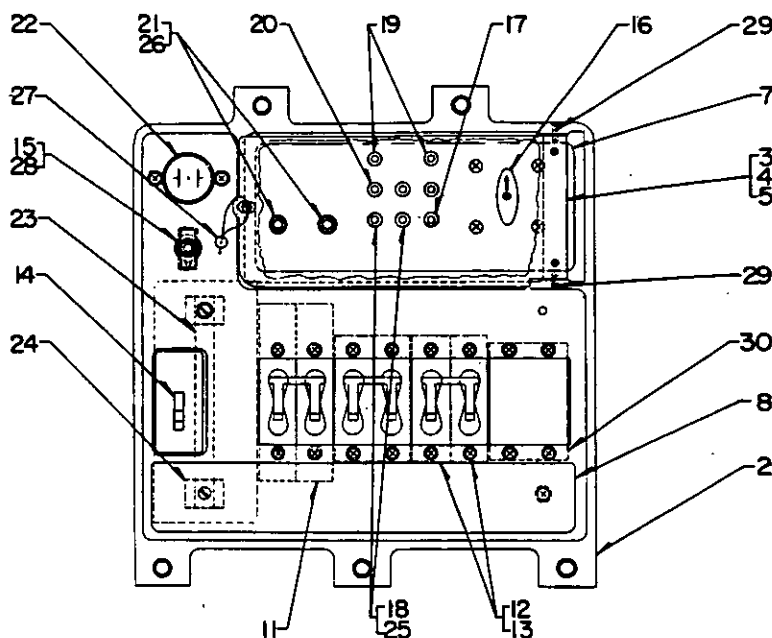
Ref. No. 1, Col. C

Ref. No. 1, Col. E

Ref. No. 1, Col. D
PLATE A3244-E-34

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
Circuit Breaker Compartment Assembly
GT22HW, JT22CW-2 and GT26CW-2 Locomotives



Ref. No. 1
 PLATE A3244-E-35

Ref. No.	Part Number	No. Req.	Description	Locomotive Application
		A B C		
1	9516768	1 - -	COMPARTMENT ASY. .. Circuit breaker and test panel	GT22HW
* 1	9500361	- 1 -	COMPARTMENT ASY. .. Circuit breaker and test panel	JT22CW-2
* 1	9506824	- - 1	COMPARTMENT ASY. .. Circuit breaker and test panel	GT26CW-2
2	9332165	1 1 1	COMPARTMENT .. Circuit breaker - Molded polyester	
3	9504153	1 1 -	COVER ASY. .. Test panel	
3	9329648	- - 1	COVER ASY. .. Test panel	
4	9503447	1 1 -	PLATE .. Name - "Opasno - 600 Volts" - Yugoslavia	
4	9519279	- - 1	PLATE .. Name - "Danger - 600 Volts" - French	
5	9326807	1 1 1	HINGE .. Test panel cover	
6	9428359	2 2 2	EYELET .. 1/8 in. diameter x 5/32 in. long	
7	----	1 1 1	PLATE .. Name - Test panel	Specify loco. model and serial number
8	----	1 1 1	PLATE .. Name - Circuit breaker	
* 9	9503724	- 1 1	PLATE .. Name - 74 V.D.C.	
* 10	9503723	- 1 -	PLATE .. Name - Fuse test - "Ispitivanje osiguraca" - Yugoslavian	
* 10	9519098	- - 1	PLATE .. Name - Fuse test - "Contrôle des fusibles" - French	
11	8448859	1 - 1	BREAKER .. Circuit - D.P. - 50 Amp. - 250 V.A.C. - Filter blower motor	
12	8414231	- 2 -	BREAKER .. Circuit - D.P. - 50 Amp. - 74 V.D.C. - Cab heater	
13	8485669	2 - -	BREAKER .. Circuit - D.P. - 60 Amp. - Cab heater	
14	8433383	1 1 1	BREAKER .. Circuit - D.P. - 100 Amp. - Generator field	
15	8172209	1 1 1	SWITCH .. Toggle - Fuse test - S.P. - S.T. - 6 Amps. - 125 Volts	
16	8440928	1 1 1	SWITCH .. Rotary - Load test - 3 position - 5 pole	
17	8413155	1 1 1	JACK .. Test - Black	
18	8415213	2 2 2	JACK .. Test - Blue	
19	8440927	2 2 2	JACK .. Test - Green	
20	8415212	3 3 3	JACK .. Test - Yellow	
21	8427141	2 2 4	POST ASY. .. Binding - Red	
22	8260287	1 1 1	RECEPTACLE .. Female - 2 pole - 74 V.D.C.	
23	8444010	1 1 1	PLATE .. Circuit breaker support - 6 x 1/2 x 11 ga.	
24	9330437	2 2 2	PAD .. Spacer - Circuit breaker mounting - 2-1/2 x 5/8 x 3/16 in.	
25	8339983	8 8 8	TAB .. Faston - Two wire "U" type	
26	8421015	2 2 4	TAB .. Faston - Three wire "E" type	
27	8357939	1 1 1	SEAL .. Includes lock wire	
28	8377850	1 1 1	DISC .. Switch locating	
29	9413283	2 2 2	PIN .. Slotted spring - 5/32 dia. x 1/2 in. long	
30	9328116	1 2 3	PLATE .. Cover - 3-1/8 x 2-1/32 x 16 ga.	
* 31	8077451	1 1 1	PLUG .. Male - 2 pole	

ELECTRICAL CONTROL CABINET

P.L. No. C3244-E

Fuse and Switch Panel Assembly

GL18M,GT22CU,GT22CW,JT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

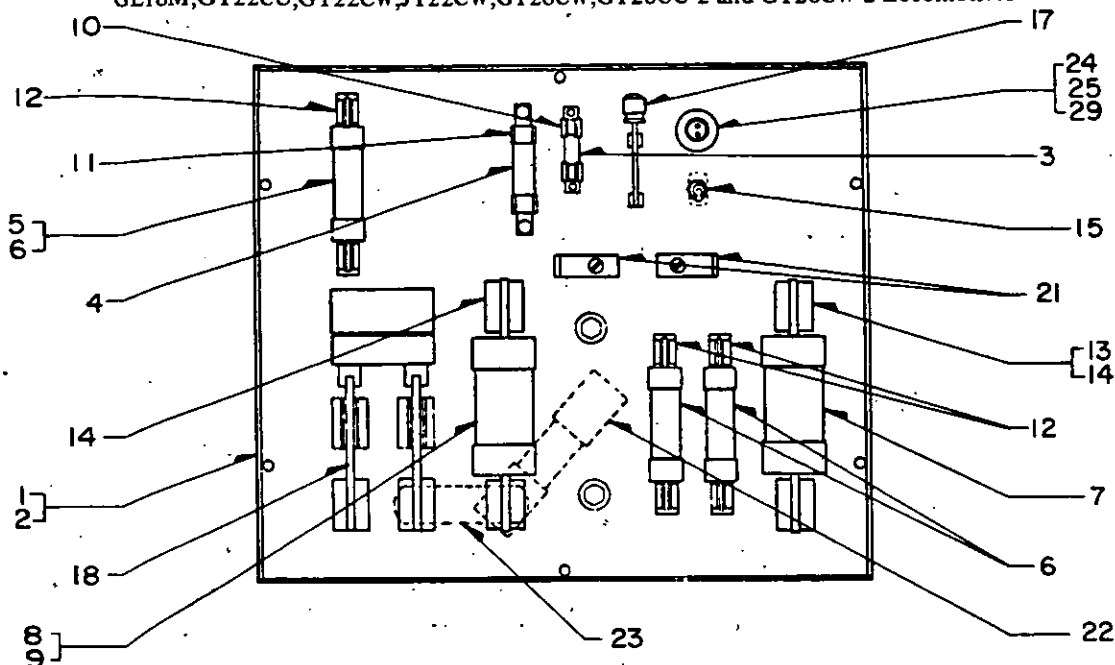


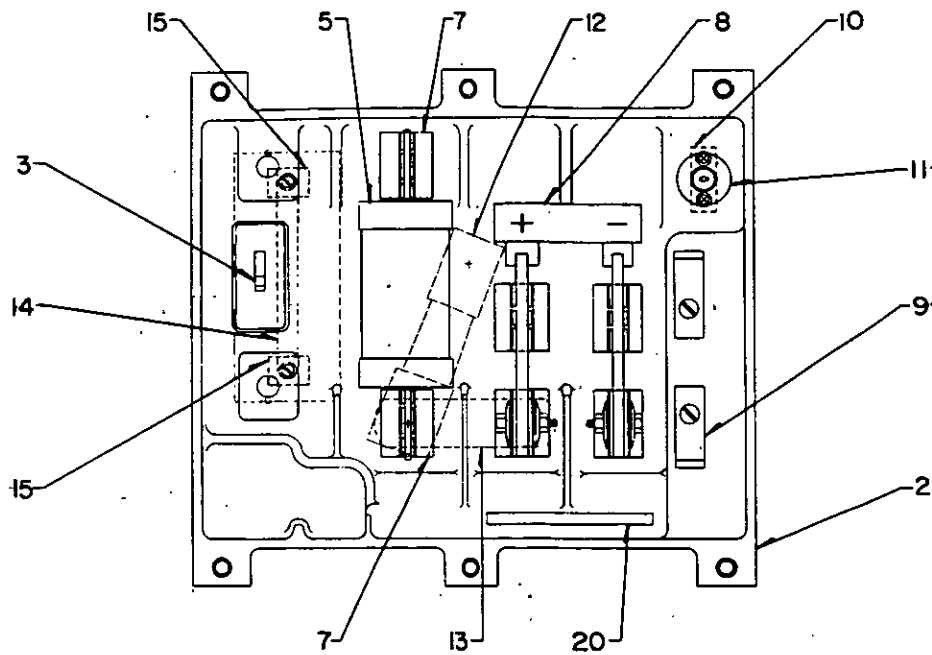
PLATE A3244-E-36

Ref. No.	Part Number	Number Required							Description	Panel Ref. No. 2	Locomotive Application
		A	B	C	D	E	F	G			
* 1	9325538	1	-	-	-	-	-	-	PANEL ASY. ... Fuse and switch	9325589	GL18M
* 1	8470285	-	1	-	-	-	-	-	PANEL ASY. ... Fuse and switch	8470286	GT22CU,GT22CW
* 1	9311930	-	-	1	-	-	-	-	PANEL ASY. ... Fuse and switch	9093215	JT22CW
1	8451551	-	-	-	1	-	-	-	PANEL ASY. ... Fuse and switch	8451552	GT26CW
1	9510339	-	-	-	-	1	-	-	PANEL ASY. ... Fuse and switch	8451552	GT26CW
* 1	8486343	-	-	-	-	-	1	-	PANEL ASY. ... Fuse and switch	8486357	GT26CU-2
* 1	8476104	-	-	-	-	-	-	1	PANEL ASY. ... Fuse and switch	8476103	GT26CW-2
2	-----	1	1	1	1	1	1	1	PANEL .. Equipment mounting - See chart above		
3	8004548	-	-	-	1	1	-	-	FUSE .. Aux. gen. field - 30 Amps. - 250 Volts		
4	8004546	-	1	-	1	1	-	-	FUSE .. Alternator field - 60 Amps. - 250 Volts		
5	8127050	-	-	-	1	-	-	-	FUSE .. Cab heater - 70 Amps. - 250 Volts		
6	8004545	-	-	-	2	3	-	-	FUSE .. Gen. field (2), cab htr. - 100 Amps. - 250 Volts		
φ 7	8004544	1	1	-	1	-	1	1	FUSE .. Auxiliary generator - 150 Amps. - 250 Volts		
φ 7	8269046	-	-	-	1	1	-	-	FUSE .. Auxiliary generator - 250 Amps. - 250 Volts		
8	8060582	1	-	-	-	-	-	-	FUSE .. Starting - 400 Amps. - 250 Volts		
8	8414678	-	1	1	1	1	1	1	FUSE .. Starting - 800 Amps. - 100 Volts		
9	8032739	1	-	-	-	-	-	-	LINK .. Starting fuse - Renewable		
9	8414677	-	1	1	1	1	1	1	LINK .. Starting fuse - Renewable		
10	8280184	-	-	-	2	2	-	-	HOLDER ASY. ... Aux. gen. field fuse - 0 - 30A. - 250 V.		
11	8280183	-	2	-	2	2	-	-	HOLDER ASY. ... Alt. field fuse - 13 - 60A. - 250 V.		
12	8280180	-	-	-	6	6	-	-	HOLDER ASY. ... Gen. field, cab. htr. fuse - 61 - 100 A. - 250 V.		
φ 13	8280181	2	2	-	2	-	2	2	HOLDER ASY. ... Aux. gen. fuse - 101 - 200 A. - 250 V.		
φ 14	8280182	2	2	2	4	4	2	2	HOLDER ASY. ... Aux. gen., starting fuse - 201 - 800 A. - 250 V.		
15	8172209	1	1	1	1	1	1	1	SWITCH .. Toggle - Fuse test - S.P.S.T. - 6 A. - 125 V.		
* 16	8373198	1	-	1	-	-	-	-	SWITCH .. Toggle - Grnd. relay cut-out - 3 P.S.T. - 10 A. - 250 V.		
17	8280178	-	1	-	1	1	1	1	SWITCH .. Knife - Grnd. relay cut-out - S.P.S.T. - 30 A. - 125 V.		
18	8280185	1	1	1	1	1	1	1	SWITCH .. Knife - Battery - D.P.S.T. - 400 A. - 250 V.		
* 19	8468030	1	-	1	-	-	-	-	COVER ASY. ... Surface - Ground relay cut-out switch		
* 20	8468031	1	-	1	-	-	-	-	PIN .. Nylon - Switch lever lock		
21	8112684	2	2	2	2	2	2	2	CONTACT .. Fuse test		
22	8118495	1	1	-	1	1	1	1	SHUNT .. Battery charging ammeter - 300 A. - 75 MV.		
23	8081949	1	1	1	-	-	1	1	BAR .. Bus - 4-1/2 x 1-1/4 x 1/4 in. copper		
24	9335530	1	1	1	1	1	1	1	HOLDER .. Lam p - Replaces 8088472 recpt. & 8087887 bushing		
25	8088358	1	1	1	1	1	1	1	NUT .. Insulating - Holder mounting		
* 26	8218665	1	-	-	-	-	-	-	RECEPTACLE .. Battery charging - 100 A.		
* 27	9333160	1	-	-	-	-	-	-	SPACER .. Receptacle mounting - 1-1/2 in. long		
* 28	8260287	-	1	-	-	-	1	1	RECEPTACLE .. 2 pole female - 74 Volts		
29	8190621	1	1	1	1	1	1	1	LAMP .. Double contact base - 30 Watts - 75 Volts		

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Fuse and Switch Compartment Assembly
GT22HW, JT22CW-2 and GT26CW-2 Locomotives



Ref. No. 1

PLATE A3244-E-37

Ref. No.	Part Number	No. Req.	Description
1	9516770	1 - -	COMPARTMENT ASY. .. Fuse and switch - GT22HW
* 1	9500362	- 1 -	COMPARTMENT ASY. .. Fuse and switch - JT22CW-2
* 1	9337169	- - 1	COMPARTMENT ASY. .. Fuse and switch - GT26CW-2
2	9332166	1 1 1	COMPARTMENT .. Equipment mounting
3	8433383	1 1 -	BREAKER .. Circuit - Auxiliary generator - D.P. - 100 Amp.
* 4	8004544	- - 1	FUSE .. Auxiliary generator - 150 Amp. - 250 Volt
5	8414678	1 1 1	FUSE .. Starting - 800 Amp. - 100 Volt
* 6	8280181	- - 2	HOLDER .. Auxiliary generator fuse
7	8280182	2 2 2	HOLDER .. Starting fuse
8	8280185	1 1 1	SWITCH .. Knife - Battery - D.P.S.T. - 400 Amp. - 250 Volt
9	8112684	2 2 2	CONTACT .. Fuse test
10	9096837	1 1 1	HOLDER .. Lamp - Double contact bayonet base - Incl. leads
11	8190621	1 1 1	LAMP .. Double contact bayonet base - 30 Watt - 75 Volt
12	8118495	1 - 1	SHUNT .. Battery charging ammeter - 300 Amp. - 75 MV.
13	8081949	1 1 1	BAR .. Bus - 4-1/2 x 1-1/4 x 1/4 in. copper
14	8444010	1 1 -	PLATE .. Circuit breaker support - 6 x 1/2 x 11 ga.
15	9330437	2 2 -	PAD .. Spacer - Circuit breaker mounting - 2-1/2 x 5/8 x 3/16 in.
*16	9519095	- - 1	PLATE .. Name - Strtg. fuse - "Fusible de demarrage - 800 Amps." - French
*17	9519098	- - 1	PLATE .. Name - Fuse test - "Controle des fusibles" - French
*18	9519097	- - 1	PLATE .. Name - Test light - "Lumiere de controle" - French
*19	9519096	- - 1	PLATE .. Name - Aux. gen. - "Fusible debit G.A. - 150 Amps." - French
20	9504083	1 1 -	PLATE .. Name - Battery switch - "Ne otvarati prekidac ... prekida rada dizel motora" - Yugoslavian
20	8453390	- - 1	PLATE .. Name - Battery switch - "N' ouvrir le couteau ... apres l'arret du moteur diesel" - French

9516769

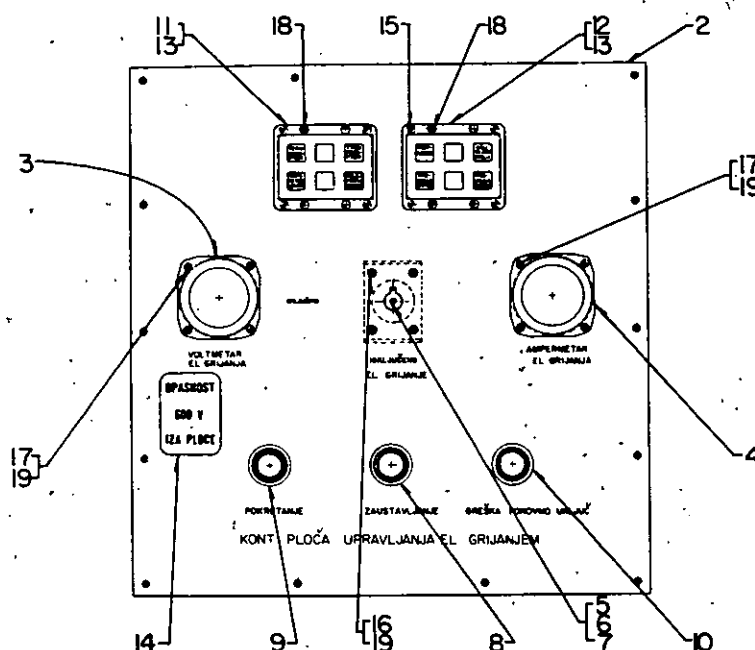
C3244-E

54

AUGUST, 1980

ELECTRICAL CONTROL CABINET

Head End Control Panel Assembly
GT22HW Locomotives



Ref. No. 1

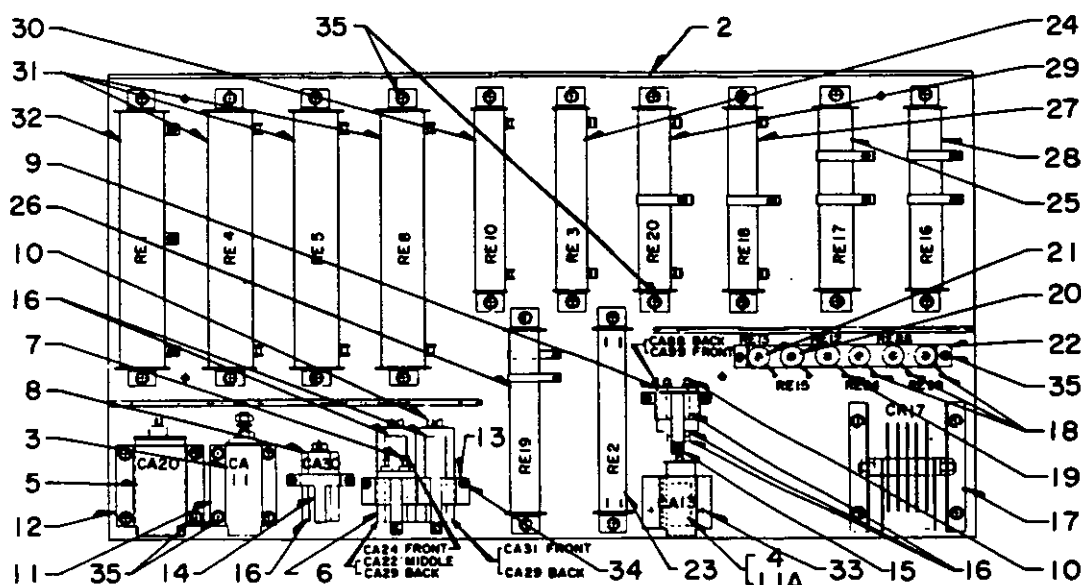
PLATE A3244-E-38

Ref. No.	Part Number	No. Req.	Description
1	9516346	1	PANEL ASY. .. Head end control
2	9515087	1	PLATE .. Name - Equipment mounting - Yugoslavian markings
3	9512729	1	VOLTMETER .. Head end power - 0 - 2000 volts D.C.
4	9512730	1	AMMETER .. Head end power - 0 - 310 Amps. D.C.
5	9514918	1	SWITCH ASY. .. Head end mode
6	8138650	1	SWITCH .. Rotary - 2 position - Single pole
7	9514919	1	ADAPTER .. Switch shaft - 7/8 O.D. x 2-1/4 in. long
8	8384650	1	SWITCH .. Push button - Red - 2 N.C. - Stop
9	8230431	1	SWITCH .. Push button - Black - 1 N.O. - 1 N.C. - Start
10	8275619	1	SWITCH .. Push button - Black - 2 N.O. - 2 N.C. - Fault/reset
11	9516317	1	PANEL ASY. .. Indicator light switch
12	9516318	1	PANEL ASY. .. Indicator light switch
13	8484193	2	GUARD .. Indicator light switch panel
14	9517248	1	PLATE .. Name - Pressure sensitive - "Opasnost - 600 V iza ploce" - Yugoslavian
15	133491	8	SCREW .. Machine - No. 8 - 32 x 1/2 flat head - Slotted
16	159658	4	SCREW .. Machine - No. 8 - 32 x 3/4 pan head - Cross recess
17	156792	8	SCREW .. Machine - No. 8 - 32 x 7/8 oval head - Cross recess
18	159688	8	SCREW .. Machine - No. 8 - 32 x 1-1/4 pan head - Cross recess
19	8035120	12	NUT .. Lock - No. 8 - 32 hex.

See P.L. 3286

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Resistor Panel Assembly
GT22CU,GT22CW and GT26CU-2 LocomotivesRef. No. 1
PLATE A3244-E-39

Ref. No.	Part Number	Number Required				Description	Locomotive Application
		A	B	C	D		
* 1	8471733	1	-	-	-	PANEL ASSEMBLY .. Resistor	GT22CU
* 1	8484773	-	1	-	-	PANEL ASSEMBLY .. Resistor	GT26CU-2
* 1	8471732	-	-	1	-	PANEL ASSEMBLY .. Resistor	GT22CW
* 1	8474452	-	-	-	1	PANEL ASSEMBLY .. Resistor	GT26CW-2
2	8471731	1	1	1	1	PANEL ASSEMBLY .. Equip. mtg. - 39-1/4 x 21-3/4 x 3/16 in.	
3	8130632	1	1	1	1	CAPACITOR .. CA11 - 10 MFD. - 600 Volts	
4	8323375	1	1	1	-	CAPACITOR .. CA13 - 5.0 MFD. - 400 Volts	
4	8452954	-	-	-	1	CAPACITOR .. CA13 - 5.0 MFD. - 440 Volts	
5	8394395	1	-	1	1	CAPACITOR .. CA20 - 20 MFD. - 600 Volts	
6	8225149	2	-	3	4	CAPACITOR .. CA22,CA23,CA29,CA31 - 1000 MFD. - 150 Volts	
* 6	8462713	-	3	-	-	CAPACITOR .. CA20,29,31 - 1200 MFD. - 100 Volts	
* 6A	8311501	-	-	1	-	CAPACITOR .. CA22 - 200 MFD. - 300 Volts	
7	8335911	1	1	1	1	CAPACITOR .. CA24 - 1.0 MFD. - 600 Volts	
8	8226342	1	1	1	1	CAPACITOR .. CA30 - 500 MFD. - 200 Volts	
9	8466025	2	2	2	2	CAPACITOR .. CA88,CA89 - 310 MFD. - 200 Volts	
10	8276560	8	4	4	12	TAB .. Terminal connection	
11	8314485	1	1	1	1	BRACKET .. Capacitor holder - Applicable to Ref. No. 3	
11A	8498587	-	-	-	1	BRACKET .. Capacitor holder - Applicable to Ref. No. 4	
12	8394405	1	-	1	1	BRACKET .. Capacitor holder - Applicable to Ref. No. 5	
12	8042902	-	1	-	-	BRACKET .. Capacitor holder - Applicable to Ref. No. 7	
13	8378666	1	-	-	-	BRACKET .. Capacitor holder - Applicable to Ref. Nos. 6 and 7	
13	8484772	-	1	-	-	BRACKET .. Capacitor holder - Applicable to Ref. No. 6	
13	8432399	-	-	1	-	BRACKET .. Capacitor holder - Applicable to Ref. Nos. 6 and 6A	
13	8446024	-	-	-	1	BRACKET .. Capacitor holder - Applicable to Ref. 4 of Ref. No. 6 and 1 of Ref. No. 7	
14	8215394	1	1	1	1	BRACKET .. Capacitor holder - Applicable to Ref. No. 8	
15	8247048	1	1	1	1	BRACKET .. Capacitor holder - Applicable to Ref. No. 9	
16	8435389	4	5	4	5	INSULATOR .. Rubber - Pressure sensitive - 4 x 1 x 1/4 in.	
17	8158951	1	1	1	1	RECTIFIER .. CR17 (4 plates @ 4 x 6 in.)	
18	8239506	3	3	4	3	RESISTOR .. Tube - RE24 - 10 Ohms - 25 Watts	
19	8239505	-	1	-	1	RESISTOR .. Tube - RE12 - 100 Ohms - 25 Watts	
20	8342683	1	1	1	1	RESISTOR .. Tube - RE15 - 200 Ohms - 25 Watts	
21	8332380	1	1	1	1	RESISTOR .. Tube - RE13 - 35 Ohms - 50 Watts	

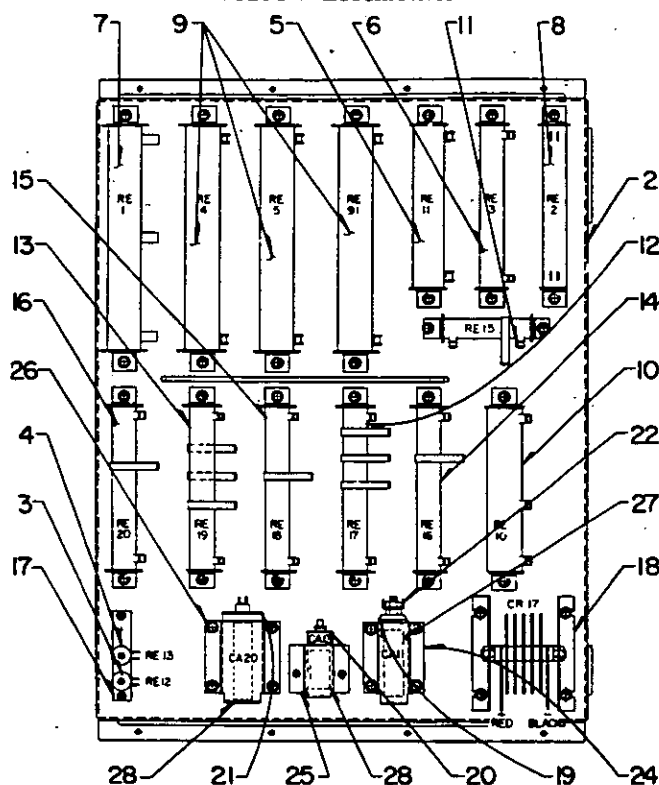
P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Ref. No.	Part Number	Number Required				Description
		A	B	C	D	
						PANEL ASSEMBLY .. Resistor
22	8463180	-	1	1	1	BRACKET .. Tube resistor mounting
23	8430150	1	1	1	1	RESISTOR .. Tube - RE2 - 50 Ohms - 160 Watts
24	8396289	1	1	1	1	RESISTOR ASSEMBLY .. Tube - RE3 - 350/50 Ohms - 160 Watts
25	8470928	2	-	1	-	RESISTOR ASY. .. Tube - RE16,RE17 - 10,000/5000/4000 Ohms - 160 Watts
25	8416107	-	-	-	1	RESISTOR ASY. .. Tube - RE17 - 6000/1200 Ohms - 160 Watts
26	8470419	1	-	-	-	RESISTOR ASSEMBLY .. Tube - RE19 - 800/800 Ohms - 160 Watts
26	8399938	-	-	1	-	RESISTOR ASSEMBLY .. Tube - RE19 - 4.8 Ohms - 400 Watts
26	8237095	-	-	-	1	RESISTOR ASY. .. Tube - RE19 - 10,000/20,000 Ohms - 160 Watts
27	8470973	1	-	-	-	RESISTOR ASY. .. Tube - RE18 - 800/800/800 Ohms - 160 Watts
27	8416763	-	-	-	1	RESISTOR ASY. .. Tube - RE18 - 1000/3000/3000 Ohms - 160 Watts
27	8444315	-	-	1	-	RESISTOR ASY. .. Tube - RE18 - 2000/2000/2000 Ohms - 160 Watts
28	8410143	-	-	1	-	RESISTOR ASY. .. Tube - RE16 - 4000/3000/4000 Ohms - 160 Watts
28	8416106	-	-	-	1	RESISTOR ASY. .. Tube - RE16 - 2000/1500/1500 Ohms - 160 Watt
29	8444314	1	-	1	-	RESISTOR ASY. .. Tube - RE20 - 20,000/10,000/10,000 Ohms - 160 W.
29	8416764	-	-	-	1	RESISTOR ASY. .. Tube - RE20 - 10,000/3000/3000 Ohms - 160 W.
30	8429166	1	1	1	1	RESISTOR ASY. .. Tube - RE10 - 3.75/3.75 Ohms - 400 Watts
31	8398604	3	3	3	3	RESISTOR ASY. .. Tube - RE4,RE5,RE8 - 2000/2000 Ohms - 400 W.
32	8276673	1	1	1	1	RESISTOR ASY. .. Tube - RE1 - 2.4/2.4 Ohms - 550 Watts
33	9419643	2	2	2	2	SCREW .. Tapping - 8-32 x 1/2 hex. washer head
34	9419644	9	9	9	9	SCREW .. Tapping - 10-24 x 1/2 hex. washer head
35	9420156	36	36	36	36	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

Resistor Panel Assembly
GT26CW LocomotivesRef. No. 1
PLATE A3244-E-40

Ref. No.	Part Number	No. Req.	Description
1	8447833	1	PANEL ASY. .. Resistor
1	9511628	1	PANEL ASY. .. Resistor
2	8447832	1	PANEL .. Equipment mounting - 25-1/2 x 34-1/2 in.
3	8239505	1	RESISTOR .. RE12 - 100 Ohms - 25 Watts
4	8332380	1	RESISTOR .. RE13 - 35 Ohms - 50 Watts
5	8399938	1	RESISTOR .. RE11 - 4.8 Ohms - 400 Watts
6	8430150	1	RESISTOR .. RE2 - 50 Ohms - 150 Watts
7	8276673	1	RESISTOR .. RE1 - 2.4/2.4 Ohms - 550 Watts - Formerly 8376673
8	8396289	1	RESISTOR .. RE3 - 350/50 Ohms - 160 Watts
9	8398604	3	RESISTOR .. RE4,5,91 - 2000/2000 Ohms - 300 Watts
10	8429166	1	RESISTOR .. RE10 - 3.75/3.75 Ohms - 400 Watts
11	8430788	1	RESISTOR .. RE15 - 400/200 Ohms - 50 Watts - Adjustable
12	8416107	1	RESISTOR .. RE17 - 8000/12,000 Ohms - 160 Watts - Adjustable
13	8237095	1	RESISTOR .. RE19 - 10,000/20,000 Ohms - 160 Watts - Adjustable
14	8416106	1	RESISTOR .. RE16 - 2000/1500/1500 Ohms - 160 Watts - Adjustable
15	8416763	1	RESISTOR .. RE18 - 1000/3000/3000 Ohms - 160 Watts - Adjustable
16	8416764	1	RESISTOR .. RE20 - 10,000/3000/3000 Ohms - 160 Watts - Adjustable
17	8357162	1	BRACKET .. Resistor mounting
18	8158951	1	RECTIFIER .. CR17
19	8130632	1	CAPACITOR .. CA11 - 10 MFD. - 600 Volts D.C.
20	8452954	1	CAPACITOR .. CA13 - 5 MFD. - 440 Volts D.C. - Formerly 8323375 for Col. A
21	8394395	1	CAPACITOR .. CA20 - 20 MFD. - 600 Volts D.C.
22	8276560	2	TAB .. Faston - "U" type - Two wire
23	8355803	2	BOOT .. Faston terminal - Rubber - Formerly applied
24	8314485	1	BRACKET .. Call capacitor mounting
25	8498587	1	BRACKET .. CA13 capacitor mounting - Not applied with CA 13 8323375
26	8394405	1	BRACKET .. CA20 capacitor mounting
27	8460985	1	INSULATOR .. CA11 capacitor - 3-1/2 x 1 x 1/4 in. thick - Rubber
28	8435389	2	INSULATOR .. CA13,CA20 capacitor - 4 x 1 x 1/4 in. thick - Rubber

† Applied to Col. A Resistor Panels on locomotives with Dynamic Brakes only.

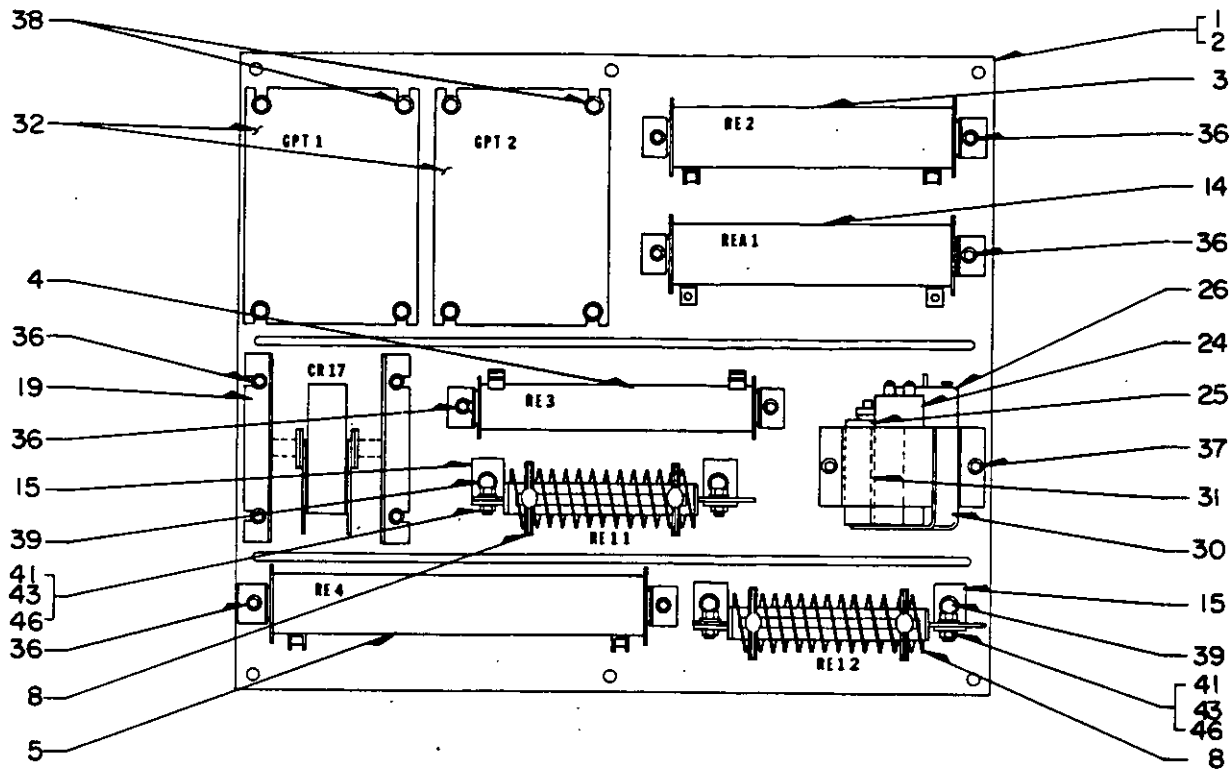
P.L. No. C3244-E

ELECTRICAL CONTROL CABINET
Resistor Panel Assembly
GL18M, JT22CW and JT22CW-2 Locomotives
PLATE A3244-E41

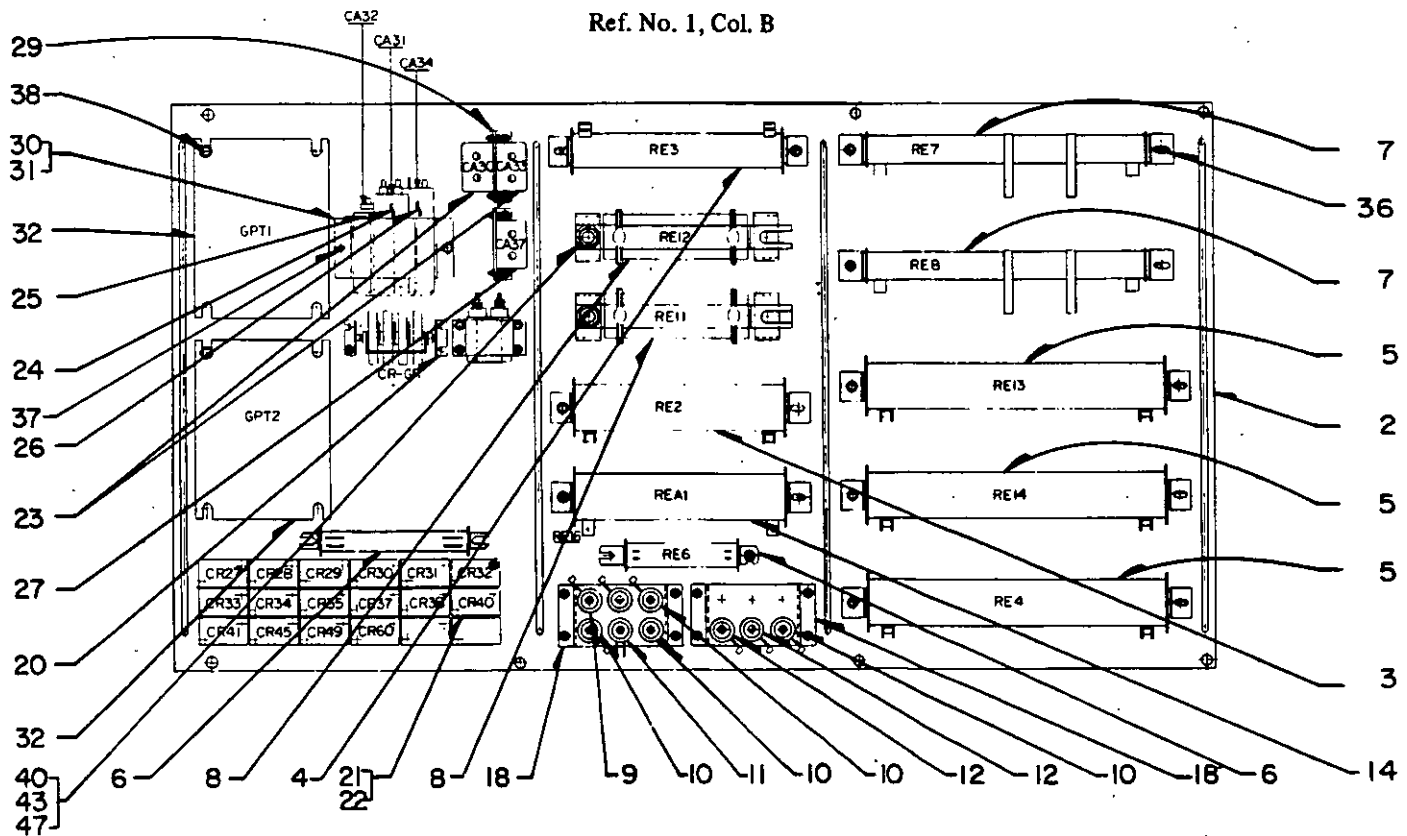
Ref. No.	Part Number	Number Required					Description
		A	B	C	D	E	
* 1	9325531	1	-	-	-	-	PANEL ASY. .. Resistor - GL18M
1	9310709	-	1	-	-	-	PANEL ASY. .. Resistor - JT22CW
* 1	9310841	-	-	1	-	-	PANEL ASY. .. Resistor - JT22CW (Prior to 1980)
* 1	9310841	-	-	-	1	-	PANEL ASY. .. Resistor - JT22CW (Beginning 1980)
1	9338639	-	-	-	-	1	PANEL ASY. .. Resistor - JT22CW-2
* 2	9325532	1	-	-	-	-	PANEL .. Equipment mounting
2	9310710	-	1	-	-	-	SHEET .. Equipment mounting
* 2	9310842	-	-	1	-	-	SHEET .. Equipment mounting
* 2	9310843	-	-	-	1	-	SHEET .. Equipment mounting
2	9338640	-	-	-	-	1	PANEL .. Equipment mounting
3	8399938	1	1	-	-	1	RESISTOR .. RE2 - 4.8 Ohms - 400 Watts
4	8396289	1	1	-	-	1	RESISTOR .. RE3 - 350/50 Ohms - 160 Watts
5	8398604	-	1	-	-	3	RESISTOR .. RE4, RE13, RE14 - 2000/2000 Ohms - 300 Watts
6	8411480	1	-	1	2	2	RESISTOR .. RE6, RE9 - 250 Ohms - 50 Watts
7	8283943	2	-	-	-	2	RESISTOR .. RE7, RE8 (Col. E) - RE10, RE11 (Col. A) - 5/8/8 Ohms - 400 W
8	8481511	-	2	-	-	-	RESISTOR .. RE11, RE12 - .16 Ohms - 400 Watts
8	9339108	-	-	-	-	2	RESISTOR .. RE11, RE12 - .16 Ohms - 400 Watts
9	8392344	-	-	-	2	2	RESISTOR .. RE15, RE16 (Col. E) - RE64, RE65 (Col. D) - 400 Ohms - 25 W
10	8239506	-	-	4	4	4	RESISTOR .. RE31, RE33, RE34, RE41 - 10 Ohms - 25 Watts
11	8332380	-	-	1	1	1	RESISTOR .. RE32 - 35 Ohms - 50 Watts
12	8252712	-	-	-	-	2	RESISTOR .. RE35, RE36 - 500 Ohms - 25 Watts
* 13	8468597	-	-	1	1	-	RESISTOR .. RE42 - 120 Ohms - 50 Watts
14	9092231	-	1	-	-	1	RESISTOR .. REA1 - 10 Ohms - 400 Watts
15	8484624	-	4	-	-	-	BRACKET .. Resistor mounting
* 16	8463180	-	-	1	1	-	BRACKET .. Resistor mounting
* 17	8370512	-	-	-	1	-	BRACKET .. Resistor mounting
18	8363041	-	-	-	-	2	BRACKET .. Resistor mounting
19	8158951	1	1	-	-	-	RECTIFIER .. Suppression - CR17
20	8385325	1	-	1	1	1	RECTIFIER .. Bridge - CR-GR
21	8421017	-	-	22	28	15	RECTIFIER ASY. .. Includes block - CR1 thru CR66
22	8421016	-	-	22	28	15	RECTIFIER ASY. .. Silicon
23	8425275	-	-	2	2	2	CAPACITOR .. CA30, CA33 - 1 MFD. - 150 Volts D.C.
24	8466026	-	1	-	-	1	CAPACITOR .. CA31 - 500 MFD. - 150 Volts D.C.
25	8452954	-	1	-	-	1	CAPACITOR .. CA32 - 5 MFD. - 440 Volts D.C.
26	8311501	-	1	-	-	1	CAPACITOR .. CA34 - 200 MFD. - 300 Volts D.C.
27	8323375	-	-	1	1	1	CAPACITOR .. CA37 - 5 MFD - 400 Volts D.C.
* 28	8276560	-	-	-	-	4	TAB .. Faston - "U" type - Two wire - 3/16 dia. stud hole
29	8474262	-	-	-	2	2	ANGLE .. CA30, CA33, CA37 capacitor mounting
30	9310247	-	1	-	-	1	BRACKET .. CA31, CA32, CA34 capacitor mounting
31	8435389	-	1	-	-	1	INSULATOR .. Capacitor - 4 x 1 x 1/4 in. thick - Rubber
32	8351993	-	2	-	-	2	TRANSFORMER ASY. .. Generator potential - GPT1, GPT2
* 33	9419643	-	-	52	64	4	SCREW .. Tapping - No. 8 - 32 x 1/2 hex. washer head
* 34	131974	-	-	-	-	4	SCREW .. Machine - No. 8 - 32 x 5/8 fil. head - Slotted
* 35	9419644	4	-	-	-	42	SCREW .. Tapping - No. 10 - 24 x 1/2 hex. washer head
36	9420156	14	12	4	8	20	SCREW .. Tapping - 1/4 - 20 x 1/2 hex. washer head
37	9419874	-	2	-	-	2	SCREW .. Tapping - 1/4 - 20 x 3/4 hex. washer head
38	9419647	-	8	-	-	8	SCREW .. Tapping - 5/16 - 18 x 1/2 hex. washer head
39	9419650	-	4	-	-	-	SCREW .. Tapping - 3/8 - 16 x 3/4 hex. washer head
40	180171	-	-	-	-	4	BOLT .. Machine - 1/2 - 13 x 3/4 hex. head
41	180172	-	4	-	-	-	BOLT .. Machine - 1/2 - 13 x 7/8 hex. head
* 42	138530	-	-	-	-	9	WASHER .. Lock - No. 8 int. tooth
43	120396	-	4	-	-	4	WASHER .. Plain - 1/2
* 44	120622	-	-	-	-	9	NUT .. Plain - No. 8 - 32 hex.
* 45	8035120	-	-	-	-	4	NUT .. Lock - No. 8 - 32 hex.
46	8032761	-	4	-	-	-	NUT .. Lock - 1/2 - 13 hex.
47	9339109	-	-	-	-	4	NUT .. Retainer - 1/2 - 13

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

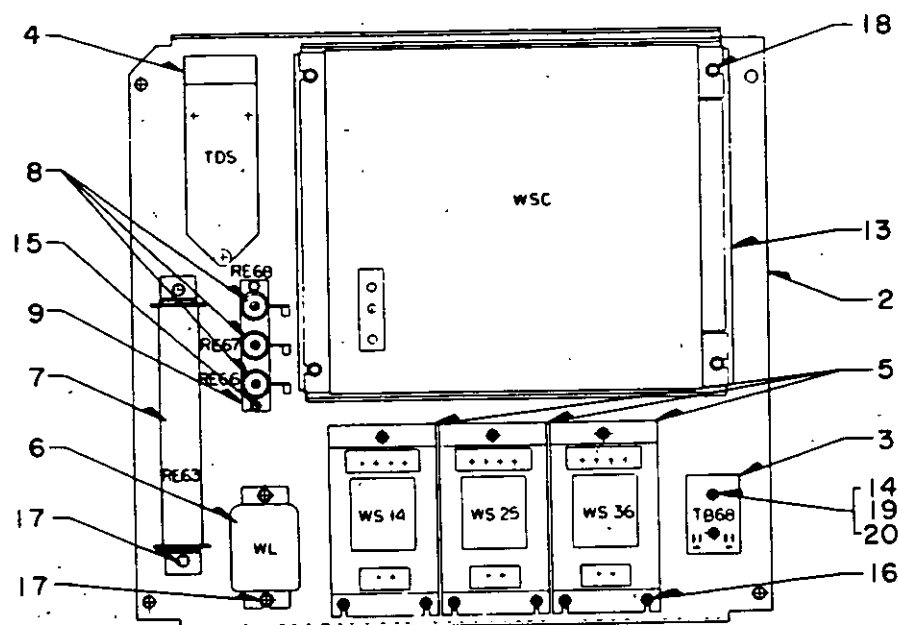


Ref. No. 1, Col. B

Ref. No. 1, Col. E
PLATE A3244-E-41

ELECTRICAL CONTROL CABINET

Instant Detection and Correction (IDAC) Wheel Slip Panel Assembly.
GT22CU,GT22CW,GT26CU-2 and GT26CW-2 Locomotives

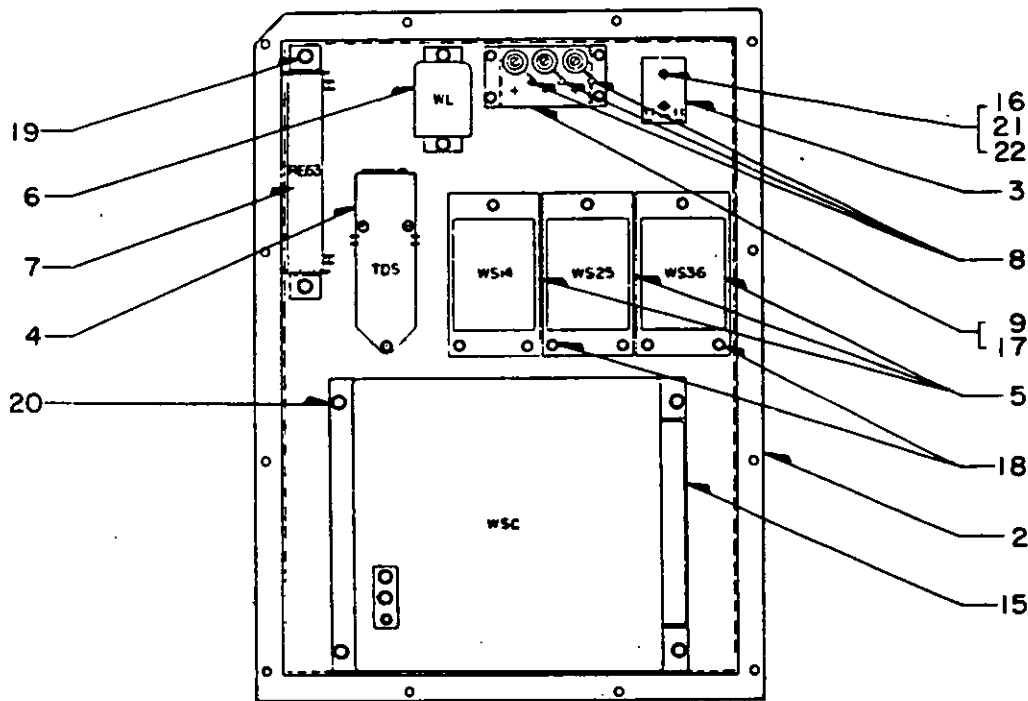


Ref. No. 1
PLATE A3244-E42

Ref. No.	Part Number	No. Req.	Description
1	8470654	1	PANEL ASSEMBLY .. Wheel slip - (IDAC)
2	8470655	1	PANEL .. Equipment mounting - 22-1/8 x 21 x 11 ga.
3	8298162	1	BOARD .. Terminal - 4 point - Faston tab connections
4	8276598	1	RELAY .. Time delay sanding - TDS - See P.L. 5352
5	8454412	3	RELAY .. Wheel slip - WS14,WS25,WS36 - See P.L. 5394
6	8363168	1	RELAY .. Wheel light - WL - See P.L. 5440
7	8393732	1	RESISTOR .. RE63 - 35 Ohm - 160 Watt
8	8392344	3	RESISTOR .. RE66,RE67,RE68 - 400 Ohm - 25 Watt
9	8357162	1	BRACKET .. Resistor mounting
*10	8470658	1	CABLE ASSEMBLY .. Wheel slip panel interconnection
*11	8468611	A.R.	CABLE .. 14 AWG. - LF insul. - 500 ft. roll - 55 ft. required
*12	8250906	54	TERMINAL .. Insulated female faston tab - Blue
13	8397747	1	PANEL ASSEMBLY .. Wheel slip control - (IDAC) - See P.L. 3286
14	132051	2	SCREW .. Machine - 10-24 x 3/4 fil. head
15	9419644	2	SCREW .. Tapping - 10-24 x 1/2 hex. washer head
16	9420393	9	SCREW .. Tapping - 10-24 x 1-1/2 hex. washer head
17	9420156	4	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
18	9424784	4	SCREW .. Tapping - 1/4-20 x 1-1/4 hex. washer head
19	121801	2	WASHER .. Lock - No. 10
20	446161	2	WASHER .. Plain - No. 10
*21	180021	4	BOLT .. Panel mounting - 1/4-20 x 7/8 hex. head
*22	8035144	4	NUT .. Lock - 1/4-20 hex.

P.L. No. C3244-E

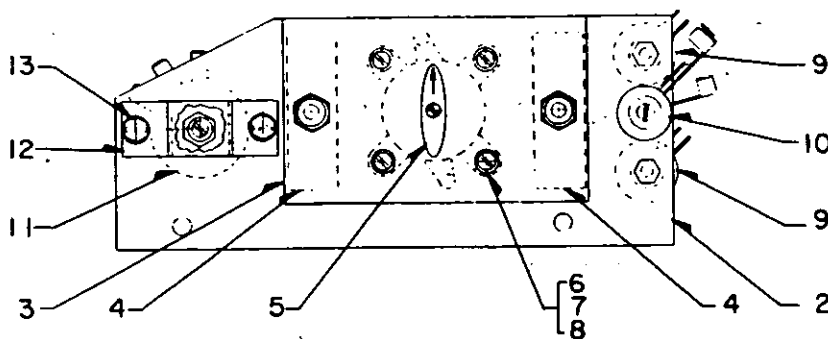
ELECTRICAL CONTROL CABINET

Instant Detection and Correction (IDAC) Wheel Slip Panel Assembly
GT26CW LocomotiveRef. No. 1
PLATE A3244-E-43

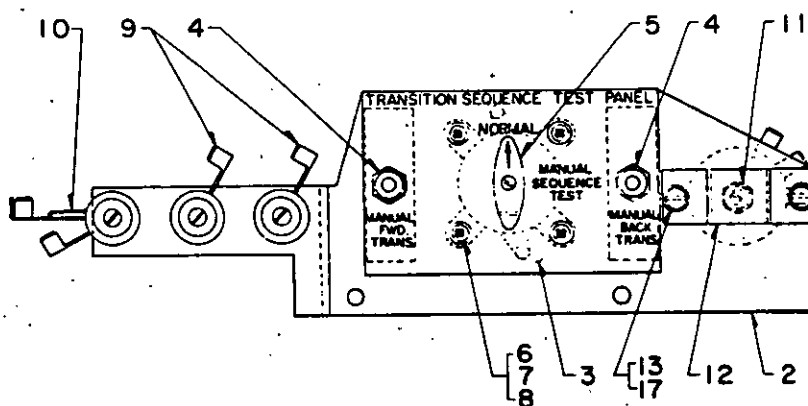
Ref. No.	Part Number	No. Req.	Description
1	8447661	1	PANEL ASSEMBLY .. Wheel slip - (IDAC)
2	8447660	1	PANEL .. Equipment mounting - 20-7/8 x 28-5/8 in.
3	8298162	1	BOARD .. Terminal - 4 point - Faston tab connection
4	8276598	1	RELAY .. Time delay sanding - TDS - See Parts List 5352
5	8454412	3	RELAY .. Wheel slip - WS14,25,26 - Formerly 8494597 - See P.L. 5394
6	8363168	1	RELAY .. Wheel light - WL - See Parts List 5440
7	8393732	1	RESISTOR .. RE63 - 35 Ohm - 160 Watts
8	8392344	3	RESISTOR .. RE66,67,68 - 400 Ohms - 25 Watts
9	8363041	1	BRACKET .. Resistor mounting
*10	8409627	1	CABLE ASSEMBLY .. Wheel slip panel interconnection
*11	8283763	-	CABLE .. 14 AWG. - SRG-D insl. - 100 ft. roll - 15 ft. required
*12	8433432	-	CABLE .. 14 AWG. - EPR thin - 500 ft. roll - 30 ft. required
*13	8333192	15	TERMINAL .. Non-insl. female faston tab - No. 14 to 18 AWG.
*14	8250906	3	TERMINAL .. Insul. female faston tab - Blue - No. 12 to 16 AWG.
15	8397747	1	PANEL ASSEMBLY .. Wheel slip control - (IDAC) - See P.L. 3286
16	132051	2	SCREW .. Machine - 10-24 x 3/4 fil. head
17	9419644	4	SCREW .. Tapping - 10-24 x 1/2 hex. washer head
18	9420393	9	SCREW .. Tapping - 10-24 x 1-1/2 hex. washer head
19	9420156	4	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
20	9424784	4	SCREW .. Tapping - 1/4-20 x 1-1/4 hex. washer head
21	121801	2	WASHER .. Lock - No. 10
22	446161	2	WASHER .. Plain - No. 10
*23	180021	12	BOLT .. Panel mounting - 1/4-20 x 7/8 hex. head
*24	8035144	12	NUT .. Lock - 1/4-20 hex.

ELECTRICAL CONTROL CABINET

Transition Sequence Test Panel Assembly
GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives



COLUMN A,B and C



COLUMN D

PLATE A3244-E-44

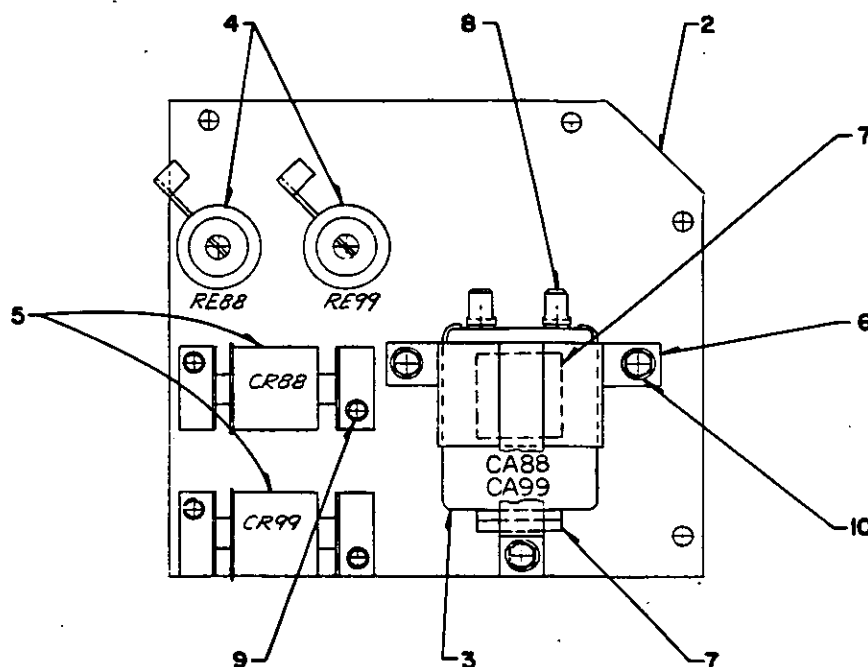
Ref. No.	Part Number	Number Required				Description	Locomotive Application
		A	B	C	D		
1	8486472	1	-	-	-	PANEL ASSEMBLY .. Transition sequence test	GT26CU-2
1	8472593	-	1	-	-	PANEL ASSEMBLY .. Transition sequence test	GT22CU
1	8472594	-	-	1	-	PANEL ASSEMBLY .. Transition sequence test	GT22CW,GT26CW-2
1	8392490	-	-	-	1	PANEL ASSEMBLY .. Transition sequence test	GT26CW
2	8472592	1	1	1	-	PLATE .. Equipment mounting	
2	8392488	-	-	-	1	PLATE .. Equipment mounting	
3		1	1	1	1	PLATE .. Name - Pressure sensitive label	
4	8170335	-	2	2	2	SWITCH .. Push - Manual forward and backward transition	
5	8314947	-	1	1	1	SWITCH .. Rotary - Sequence test - 8 pole - 2 position	
6	159920	-	4	4	4	SCREW .. Machine - 10-24 x 1/2 pan head - Cross recess	
7	121801	-	4	4	4	WASHER .. Lock - No. 10	
8	120391	-	4	4	4	WASHER .. Plain - No. 10	
9	8365925	-	1	2	2	RESISTOR .. RE25,RE26 - 750 Ohms - 50 Watt	
10	8342706	1	1	1	1	RESISTOR .. RE27 - 10,000 Ohms - 25 Watt - Adjustable	
11	8363473	1	1	1	1	RHEOSTAT .. RH27 - Slotted shaft - 10,000 Ohms - 25 Watt	
12	8392489	1	1	1	1	GUARD .. Rheostat	
13	8322949	2	2	2	2	BOLT .. 1/4-20 x 1/2 drilled hex. head	
*14	9420156	1	1	1	1	SCREW .. Tapping - Panel mounting - 1/4-20 x 1/2 hex. washer head	
*15	8322949	1	1	1	1	BOLT .. 1/4-20 x 1/2 drilled hex. head	
*16	120423	1	1	1	1	WASHER .. Lock - 1/4 internal tooth	
17	8164049	1	2	2	2	SEAL ASSEMBLY .. Wire	

P.L. No. C3244-E

ELECTRICAL CONTROL CABINET

AR10 Generator Diode Protection Panel Assembly

GT26CW Locomotives



Ref. No. 1

PLATE A3244-E-45

Ref. No.	Part Number	No. Req.		Description
		A	B	
1	9510342	1	-	PANEL ASY. .. AR10 generator diode protection
1	8424933	-	1	PANEL ASY. .. AR10 generator diode protection
2	8424934	1	1	PANEL .. Equipment mounting
3	8466025	2	2	CAPACITOR .. CA88, CA99 - 301 MFD. - 150 V.D.C. - Formerly 8225342 for Col. B
4	8239506	2	2	RESISTOR .. RE88, RE99 - 10 Ohms - 25 Watts
5	8375607	-	2	RECTIFIER .. CR88, CR99 - 108 Volts D.C. blocking
6	8247048	1	1	BRACKET .. Capacitor mounting
7	8435389	2	2	INSULATOR .. Capacitor - 4 x 1 x 1/4 in. thick - Rubber
/ Each insulator is cut into two (2) pieces - 1 piece 3 inches long and the other 1 in. long.				
8	8276560	4	4	T/B .. Faston - "U" type - Two wire
9	9419642	-	4	SCREW .. Tapping - No. 6 - 32 x 1/2 hex. washer head
10	9419644	3	3	SCREW .. Tapping - No. 10 - 24 x 1/2 hex. washer head
*11	9419644	4	4	SCREW .. Tapping - Panel mounting - No. 10 - 24 x 1/2 hex. washer head

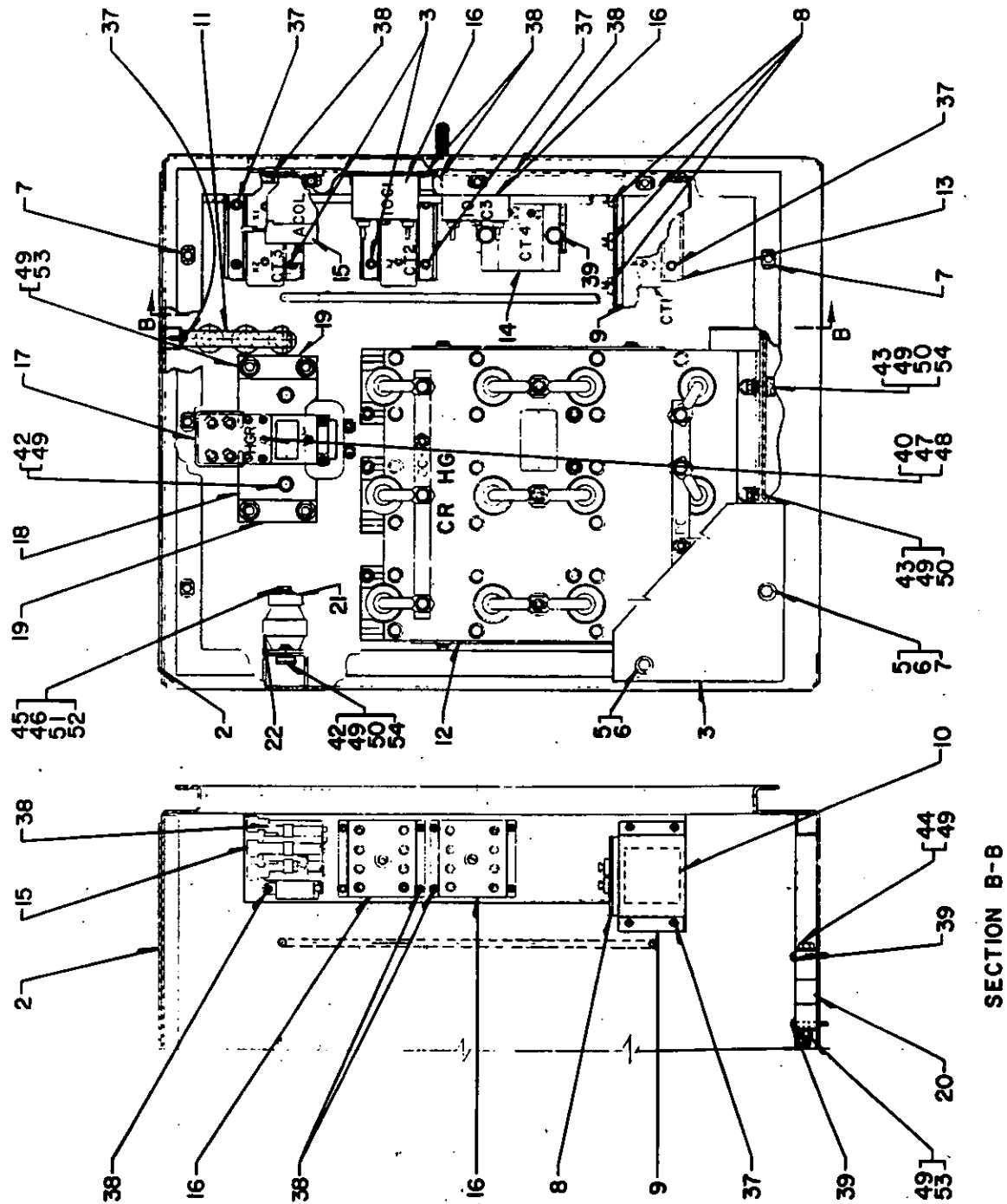
ELECTRICAL CABINET

Head End Power Auxiliary Electrical Cabinet
GT22HW Locomotives
PLATE A3246-E-1

Ref. No.	Part Number	No. Req.	Description
1	9515887	1	CABINET ASY. .. Electrical - Head end power
2	9515886	1	FRAME ASY. .. Head end power cabinet
3	9516798	1	COVER ASY. .. Head end power cabinet
4	8421197	AR	SEAL .. Cover - 3/8 x 1-1/4 in. - Sold per foot - Approx. 8 ft. required
5	180124	12	BOLT .. Cover mounting - 3/8 - 16 x 1-1/4 hex. head
6	120394	12	WASHER .. Plain - 3/8
7	9327108	12	NUT .. Retainer - 3/8 - 16
8	9332014	3	CAPACITOR .. CA16,CA17,CA18 - 2 MFD. - 1000 Volts R.M.S.
9	9521410	1	BRACKET .. Capacitor mounting
10	8391245	1	INSULATOR .. Capacitor to bracket
11	9521441	1	RESISTOR ASY. .. RE16 - 5/5/5 Ohms - 50 Watt
12	9515262	1	RECTIFIER ASY. .. CR-HG - See P.L. 6903
13	9515280	3	TRANSFORMER .. Current - CT1,CT2,CT3
14	8374003	1	TRANSFORMER .. Current - CT4
15	9515281	1	RELAY .. Thermal overload - ACOL
16	9097134	2	RELAY .. Instantaneous over current detection - IOC1,IOC3 - Contacts: 1 N.O. - 1 N.C. - Pickup: 115 Amps.
17	8191734	1	RELAY .. Thru cable - HGR - See P.L. 5353
18	9515875	1	PLATE ASY. .. Stud - HGR relay mounting
19	9515864	2	CLEAT .. Cable - HGR relay cable - 3-1/2 x 3 x 1 in. - Wood
20	9515861	1	CLEAT .. Cable - 5-1/8 x 3-9/16 x 1 in. - Wood
21	8059476	1	SHUNT .. Head end power - 300 Amp. - 75 MV.
22	9097318	2	INSULATOR .. Standoff - Shunt mounting
*23	9517323	1	CABLE FORM .. Head end power cabinet
*24	8475586	AR	CABLE .. No. 18 AWG. - Exane insul. - 500 ft. roll - Approx. 125 feet required
*25	8475587	AR	CABLE .. No. 16 AWG. - Exane insul. - 500 ft. roll - Approx. 125 feet required
*26	8468611	AR	CABLE .. No. 14 AWG. - Exane insul. - 500 ft. roll - Approx. 100 feet required
*27	8468612	AR	CABLE .. No. 12 AWG. - Exane insul. - 500 ft. roll - Approx. 75 feet required
*28	8123281	7	LUG .. Terminal - Insulated crimp type - Yellow - No. 10 stud hole
*29	8210498	16	LUG .. Terminal - Insulated crimp type - Blue - No. 10 stud hole
*30	8402844	34	LUG .. Terminal - Insulated crimp type - Red - No. 10 stud hole
*31	9326094	AR	CABLE .. 225/24 - Exane insul. - 100 ft. roll - Approx. 15 feet required
*32	9326095	AR	CABLE .. 325/24 - Exane insul. - 100 ft. roll - Approx. 20 feet required
*33	8433441	AR	CABLE .. 550/24 - EPR insul. - 100 ft. roll - Approx. 50 feet required
*34	8228542	6	LUG .. Terminal - Non - insul. crimp type - 225/24 cable - 1/4 stud hole
*35	8131370	4	LUG .. Terminal - Non - insul. crimp type - 325/24 cable - 1/4 stud hole
*36	8281023	4	LUG .. Terminal - Non - insul. crimp type - 550/24 cable - (2) 13/32 stud holes
37	9419644	18	SCREW .. Tapping - No. 10 - 24 x 1/2 hex. washer head
38	9419643	8	SCREW .. Tapping - No. 8 - 32 x 1/2 hex. washer head
39	9424785	4	SCREW .. Tapping - 1/4 - 20 x 1-1/2 hex. washer head
40	180078	2	BOLT .. Machine - 5/16 - 18 x 7/8 hex. head
*41	9419650	2	SCREW .. Tapping - 3/8 - 16 x 3/4 hex. washer head
42	180121	4	BOLT .. Machine - 3/8 - 16 x 7/8 hex. head
43	180124	3	BOLT .. Machine - 3/8 - 16 x 1-1/4 hex. head
44	189295	2	BOLT .. Machine - 3/8 - 16 x 4-1/4 hex. head
45	180172	2	BOLT .. Machine - 1/2 - 13 x 7/8 hex. head
46	180175	2	BOLT .. Machine - 1/2 - 13 x 1-1/4 hex. head
47	120638	2	WASHER .. Plain - 5/16
48	120214	2	WASHER .. Lock - 5/16
49	120394	18	WASHER .. Plain - 3/8
50	120382	20	WASHER .. Lock - 3/8
51	120396	2	WASHER .. Plain - 1/2
52	120384	4	WASHER .. Lock - 1/2
53	8035146	6	NUT .. Lock - 3/8 - 16 hex.
54	9327108	8	NUT .. Retainer - 3/8 - 16

P.L. No. A3246-E

ELECTRICAL CABINET



Ref. No. 1
PLATE A3246-E-1

Parts List No. C3247-E

ELECTRICAL CONTROL CABINET FILTER EQUIPMENT

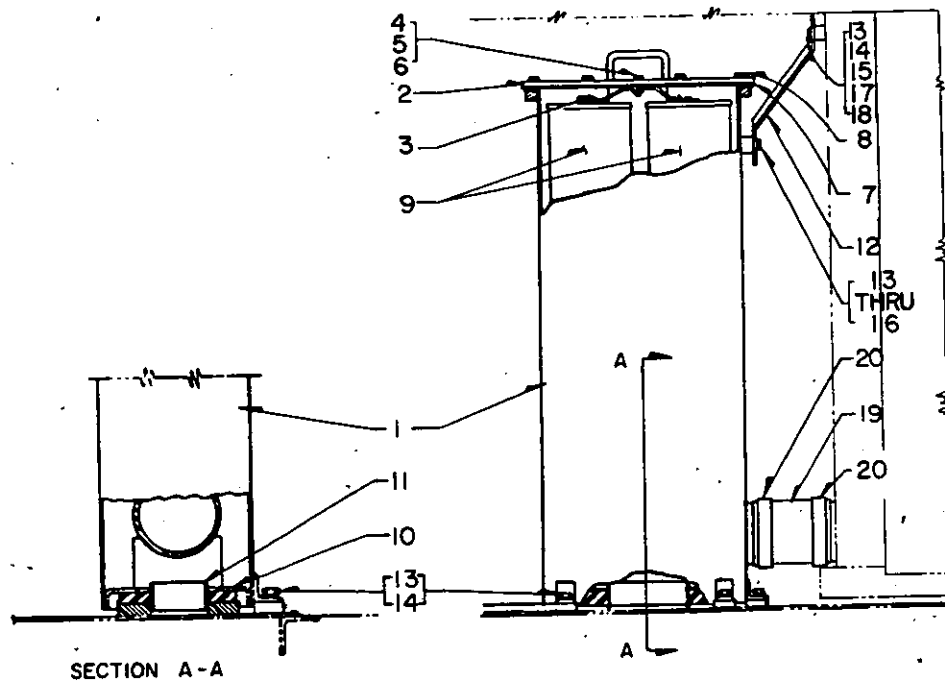
Air Filter Application
G22W, JT22CW and JT22CW-2 Locomotives

PLATE C3247-E-1

Ref. No.	Part Number	No. Req.	Description
		A -	G22W Locomotives
		B -	JT22CW Locomotives
		C -	JT22CW-2 Locomotives
1	9313649	1 1 -	FILTER ASY. .. Air - Rectangular - 9-13/16 x 16-1/2 x 38-1/2 - Replaces 8458504
1	8458504	- - 1	FILTER ASY. .. Air - Rectangular - Replaced by 9313649
2		1 1 1	COVER ASY. .. Filter
3		1 1 1	SPRING .. Element hold down
4	179795	2 2 2	BOLT .. 1/4 - 20 x 3/4 hex. head
5	103319	2 2 2	WASHER .. Lock - 1/4
6	109084	2 2 2	NUT .. 1/4 - 20 hex.
7	8465441	1 1 1	GASKET .. Filter cover
8	179884	6 6 6	BOLT .. 1/2 - 13 x 1-3/8 hex. head
9	8345482	2 2 2	ELEMENT .. Filter - Pleated cotton paper
10	8400617	1 1 1	SEAL .. Rubber - Filter to underframe
11	9313650	- 1 -	TUBE ASY.
12	9326055	1 - -	BRACKET .. Filter mounting
12	9313651	- 2 -	BRACKET .. Filter mounting
12	9502492	- - 1	BRACKET .. Filter mounting
13	180172	5 8 3	BOLT .. 1/2 - 13 x 7/8 hex. head
14	120384	6 8 4	WASHER .. Lock - 1/2
15	120390	3 2 1	WASHER .. Flat - 1/2
16	180168	- - 1	BOLT .. 1/2 - 13 x 5/8 hex. head
17	180177	1 - 1	BOLT .. 1/2 - 13 x 1-1/2 hex. head
18	120378	1 - 1	NUT .. Lock - 1/2 x 13 hex.
19	8400245	1 1 -	HOSE .. Filter to cabinet - Rubber - 4-1/2 I.D. x 5 O.D. x 5 in. lg.
19	9502505	- - 1	DUCT .. Air - 4-1/2 I.D. x 7-1/2 in. lg. - Neoprene - Impregnated fiber glass
20	8400246	2 2 -	CLAMP .. Hose - Adjustable - 4.79 to 5.09 I.D.
20	8048703	- - 2	CLAMP .. Air duct - 4-3/4 I.D. - Stainless steel

9326056, 9313648, 9502493

P.L. No. C3247-E

ELECTRICAL CONTROL CABINET FILTER EQUIPMENT

Air Filter Application

GT22CU,GT22CW and GT26CW Locomotives

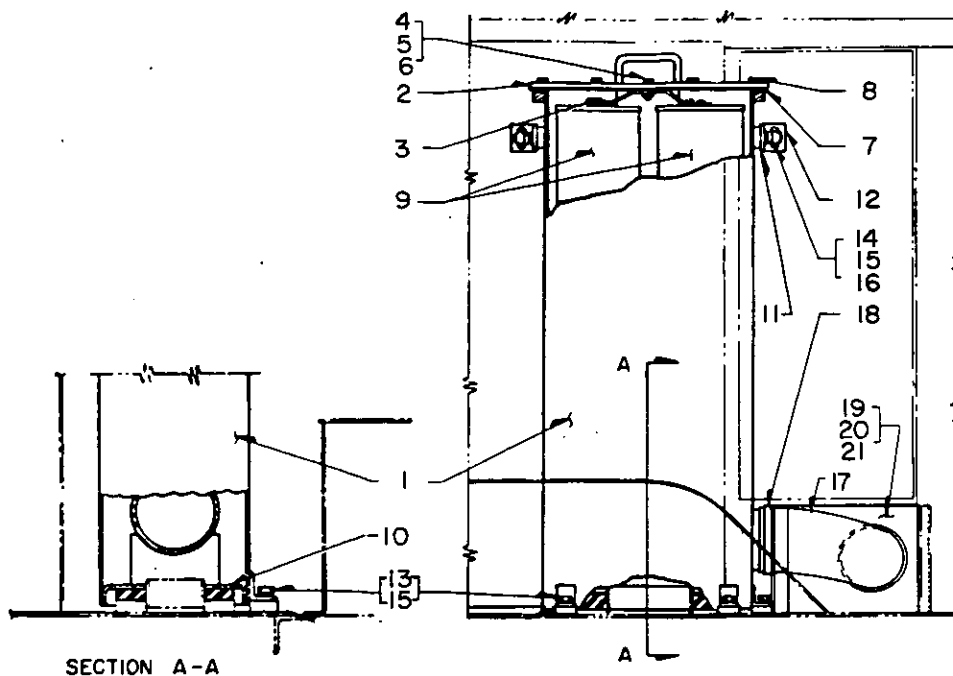


PLATE C3247-E-2

Ref. No.	Part Number	No. Req.	Description
		A - -	GT22CU,GT22CW Locomotives
		- B -	GT26CW Locomotives
		- - C	GT26CW Locomotives
1	8458504	1 1 -	FILTER ASY... Air - Rectangular
1	8400274	- - 1	FILTER ASY... Air - Rectangular
2		1 1 -	COVER ASY... Filter
2	8401749	- - 1	COVER ASY... Filter
3		1 1 1	SPRING .. Element hold down
4	179795	2 2 2	BOLT .. 1/4 x 20 x 3/4 hex. head
5	103319	2 2 2	WASHER .. Lock - 1/4
6	109084	2 2 2	NUT .. 1/4 x 20 hex.
7	8465441	1 1 -	GASKET .. Filter cover
7	8401750	- - 1	GASKET .. Filter cover
8	179884	6 6 10	BOLT .. 1/2 - 13 x 1-3/8 hex. head
9	8345482	2 2 2	ELEMENT .. Filter - Pleated cotton paper
10	8400617	1 1 1	SEAL .. Rubber - Filter to underframe
11	8472711	1 - -	BRACKET .. Filter mounting - 150° angle
12	8446523	1 2 2	BRACKET .. Filter mounting - 90° angle
13	179880	4 3 3	BOLT .. 1/2 - 13 x 7/8 hex. head
14	179881	3 4 4	BOLT .. 1/2 - 13 x 1 hex. head
15	103323	7 7 7	WASHER .. Lock - 1/2
16	103343	3 4 4	WASHER .. Plain - 1/2
17	8446448	1 1 1	DUCT .. Air - 4-1/2 I.D. x 16 in. long
18	8048703	2 2 2	CLAMP .. Air duct - 4-3/4 I.D. - Stainless steel
19	8479126	1 - -	PLATFORM ASY.
20	180077	2 - -	BOLT .. Platform mounting - 5/16 - 18 x 3/4 hex. head
21	120214	2 - -	WASHER .. Lock - 5/16

Replaced by 9313649
See Page 1

8472605,8446365

P.L. No. C3247-E ELECTRICAL CONTROL CABINET FILTER EQUIPMENT

Air Filter Application
GL18M Locomotives

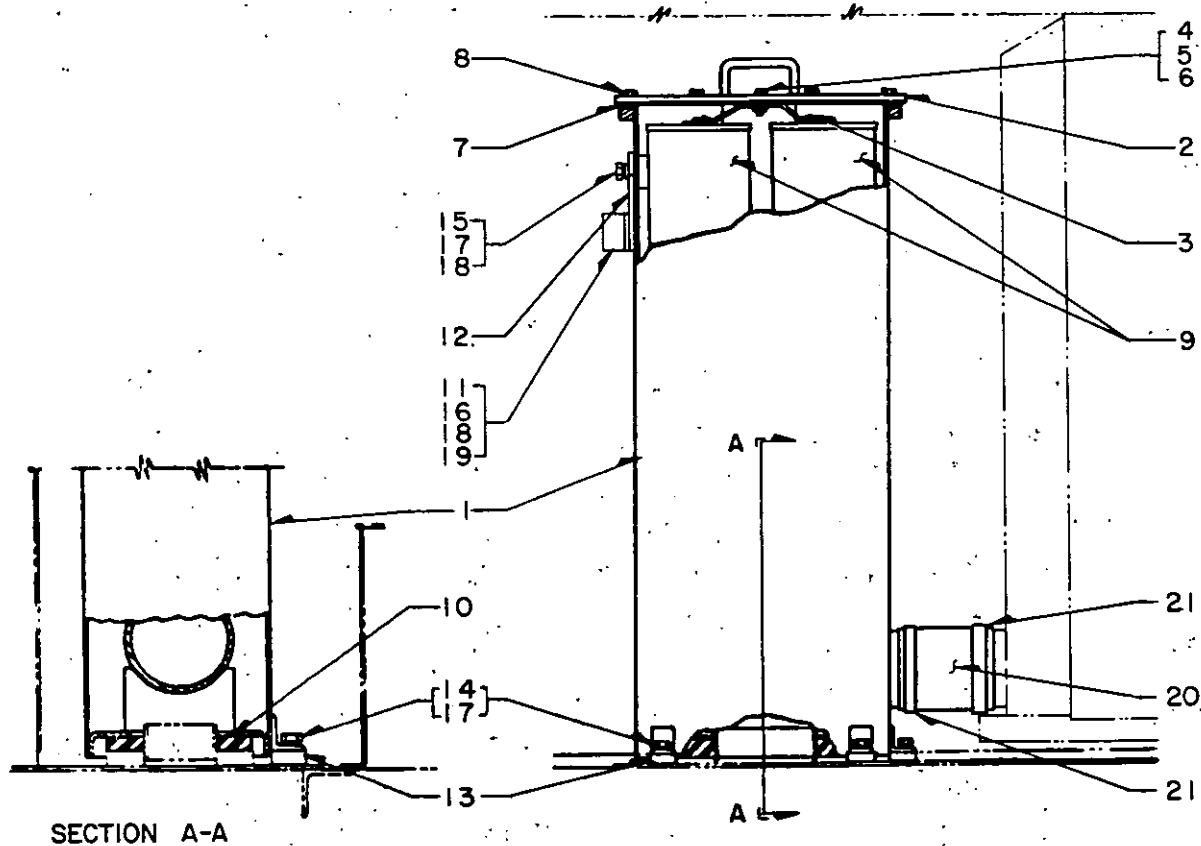


PLATE C3247-E-3

Ref. No.	Part Number	No. Req.	Description
1	8458504	1	FILTER ASSEMBLY .. Air - Rectangular - Replaced by 9313649 - See page 1
2		1	COVER ASSEMBLY .. Filter
3		1	SPRING .. Element hold down
4	179795	2	BOLT .. 1/4-20 x 3/4 hex. head
5	103319	2	WASHER .. Lock - 1/4
6	109084	2	NUT .. 1/4-20 hex.
7	8465441	1	GASKET .. Filter cover
8	179884	6	BOLT .. 1/2-13 x 1-3/8 hex. head
9	8345482	2	ELEMENT .. Filter - Pleated cotton paper
10	8400617	1	SEAL .. Rubber - Filter to underframe
11	9329682	1	BRACKET .. Filter mtg. - 3-1/4 x 1-3/4 x 2 x 3/16 in. - Welds to T.M. air duct
12	9329681	1	BRACKET .. Filter mounting - 11 x 1-1/2 x 3/16 in. steel
13	8400620	3	PAD .. Tapping - Welds to underframe
14	180172	3	BOLT .. 1/2-13 x 7/8 hex. head
15	180173	1	BOLT .. 1/2-13 x 1 hex. head
16	180177	1	BOLT .. 1/2-13 x 1-1/2 hex. head
17	120384	4	WASHER .. Lock - 1/2
18	120396	2	WASHER .. Plain - 1/2
19	8032761	1	NUT .. Lock - 1/2-13 hex.
20	9329680	1	DUCT .. Air - 4-1/2 I.D. x 12 in. lg. - Neoprene - Impregnated fiber glass
21	8048703	2	CLAMP .. Air duct - 4-3/4 I.D. - Stainless steel

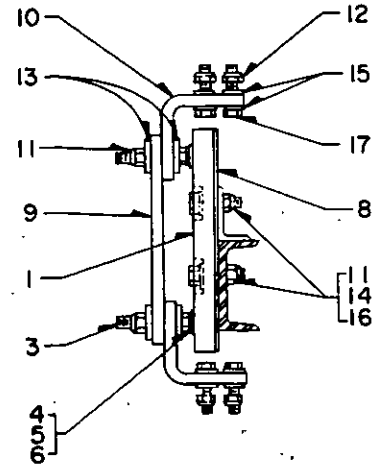
9329679

SHUNT PANEL

Generator and Ammeter Shunt Panel Assemblies
GA18,G18U,G18W,G22U,G22W,G22CU,G22CW,GL22C,GT22CU,
GT22CW,G26CU,G26CW,GT26CU-2,GT26CW and GT26CW-2 Locomotives

GENERATOR SHUNT PANEL ASSEMBLY

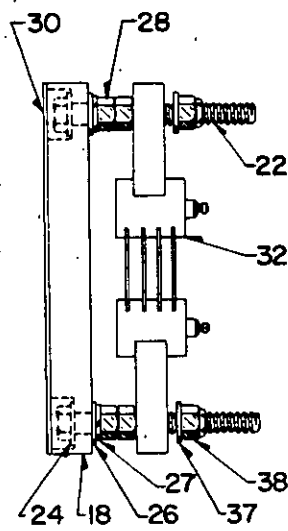
Ref. No.	Part Number	No. Req.	Description
1	8361752	1	PANEL ASY. ... Generator shunt { GA18,G18U,G18W,G22CU,G22CW,G22W, G26CU,G26CW,GL22C
* 2	8166593	1	PANEL .. Phenolic - 10 x 4 x 1
3	8050255	4	BOLT .. Terminal - 1/2-13 x 4 hex. head
4	120238	4	NUT .. Lock - 1/2-13 hex.
5	120396	4	WASHER .. Plain - 1/2
6	120384	4	WASHER .. Lock - 1/2
* 7	178591	4	WASHER .. Lock - 1/2 int. tooth
+ 8	8196594	1	INSULATION .. Fibre - 10 x 4 x 1/16 in.
+ 9	8333311	1	BAR .. Bus - 9-1/2 x 4 x 1/2 aluminum
+10	8335009	2	BAR .. Bus - 4 x 3-3/4 x 3-5/8 x 1/2 x 90° al.
11	8032761	6	NUT .. Lock - 1/2-13 hex.
12	8035146	8	NUT .. Lock - 3/8-16 hex.
13	8358473	4	WASHER .. .531 I.D. x 1.5 O.D. x 1/4 thick
14	120396	2	WASHER .. Plain - 1/2
15	8358472	16	WASHER .. .406 I.D. x 1.187 O.D. x 3/16 thick
16	180179	2	BOLT .. Insl. to bar - 1/2-13 x 1-3/4 hex. hd.
17	180130	8	BOLT .. 3/8-16 x 2 hex. head
+*18	8127951	4	LUG .. Terminal - 1100/24 (2) 13/32 - 1-1/4 center stud holes



Ref. No. 1

AMMETER SHUNT PANEL ASSEMBLY

Ref. No.	Part Number	No. Req.	Description
19	8362859	1	PANEL ASY. ... Ammeter shunt { GA18,G22W,G22CW,GT22CW,G26CW, GT26CW,GT26CW-2
*19	8370241	1	PANEL ASY. ... Ammeter shunt { G18U,G22U,G22CU,GL22C,GT22CU, G26CU,GT26CU-2
*20	8237562	1	PANEL .. Phenolic - 9 x 3 x 1
*21	8198529	1	PANEL .. Phenolic - 7-1/4 x 1-1/2 x 1
22	8050485	4	BOLT .. 1/2-13 x 4-1/2 hex. head
*23	8050255	2	BOLT .. 1/2-13 x 4 hex. head
24	180447	4	WASHER .. Lock - 1/2 int. tooth
*25	179591	2	WASHER .. Lock - 1/2
26	120396	4	WASHER .. Plain - 1/2
27	120384	2	WASHER .. Lock - 1/2
28	120378	8	NUT .. Machine - 1/2-13 hex.
*29	120238	2	NUT .. Lock - 1/2-13 hex.
+30	8237561	1	INSULATION .. Fibre - 9 x 3 x 1/16
+*31	8198528	1	INSULATION .. Fibre - 7-1/4 x 1-1/2 x 1/16
+32	8221444	1	SHUNT .. Ammeter - 50 M.V. - 1000 A.
+*33	8197308	1	SHUNT .. Ammeter - 50 M.V. - 500 A.
*34	180122	2	BOLT .. 3/8-16 x 1 hex. head
*35	120394	2	WASHER .. Plain - 3/8
*36	120382	2	WASHER .. Lock - 3/8
37	120396	4	WASHER .. Plain - 1/2
38	8032761	4	NUT .. Lock - 1/2-13 hex.

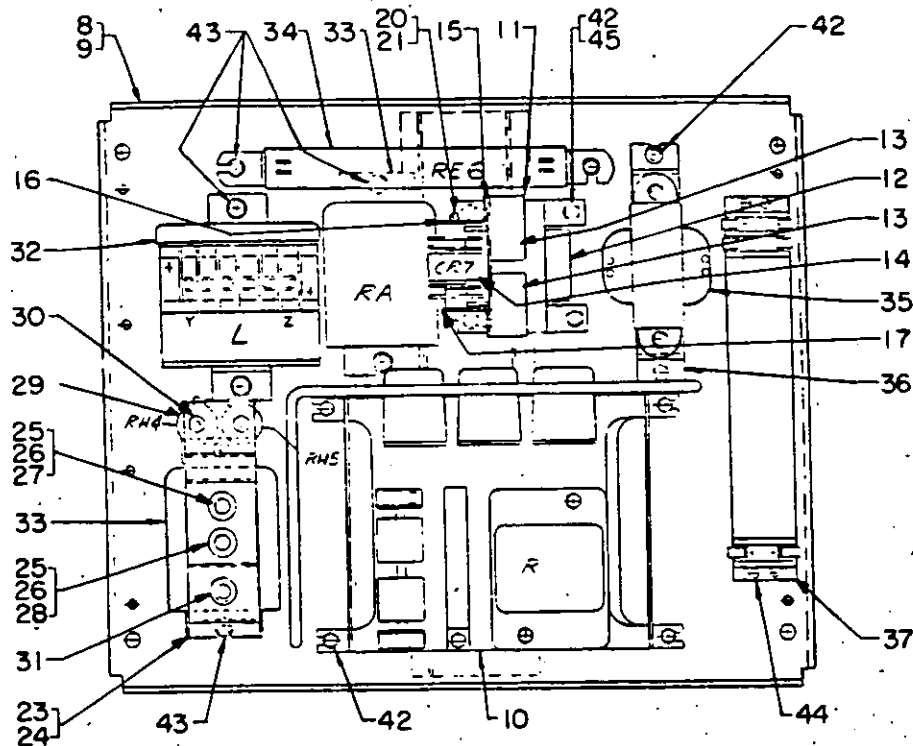
Ref. No. 19
PLATE A3249-E-1

WHEEL SLIP CONTROL

Parts List No. B3286-E

Wheel Slip Control Panel Assembly

GT22CU,GT22CW,GT26CW,GT26CU-2 and GT26CW-2 Locomotives

Ref. No. 1
PLATE A3286-E-1

Ref. No.	Part Number	No. Req.	Description
1	8397747	1	PANEL ASSEMBLY .. Wheel slip control - IDAC
* 2	8398035	1	COVER .. Panel
* 3	8397901	1	PLATE .. Name - "IDAC"
* 4	8397926	1	PLATE .. Name - Instruction
* 5	132688	4	SCREW .. Instruction plate mounting - 6-32 x 1/4 round head
* 6	8348188	4	RIVET .. IDAC plate mounting - 1/8 dia. x 3/16 lg. - 3 prongs - Round head
* 7	8185446	6	RIVET .. Cover mounting - 3/16 dia. x 11/32 lg. round head - Split
8	8398417	1	BASE ASSEMBLY .. Equipment mounting
9	8397777	1	BASE .. Equipment mounting
10	8398416	1	SUPPORT ASSEMBLY .. Bridge - See Page 3
11	8398437	1	INDUCTOR ASSEMBLY .. Choke
12	8411579	1	CHOKE .. CH1 - 4.5 H. - 80 Ohms D.C. - 200 MA. D.C.
13	8442298	2	BRIDGE .. Rectifier - CR1A,CR1B - Silicon
14	8397976	1	RECTIFIER .. Suppression - CR7 - 10 plates - 260 Volts R.M.S.
15	8397886	1	BRACKET .. Bridge mounting
16	8397888	1	BRACKET .. Rectifier mounting
17	8397887	1	BRACKET .. Rectifier mounting
*18	132128	2	SCREW .. Bridge mounting - 10-32 x 7/8 fil. head - Slotted
*19	132788	2	SCREW .. Bridge bracket mounting - 8-32 x 1-3/4 round head
20	121801	2	WASHER .. Lock - No. 10 - Rectifier
21	120614	2	NUT .. Rectifier - 10-32 hex.
*22	8035122	2	NUT .. Lock - 10-32 hex. - Bridge

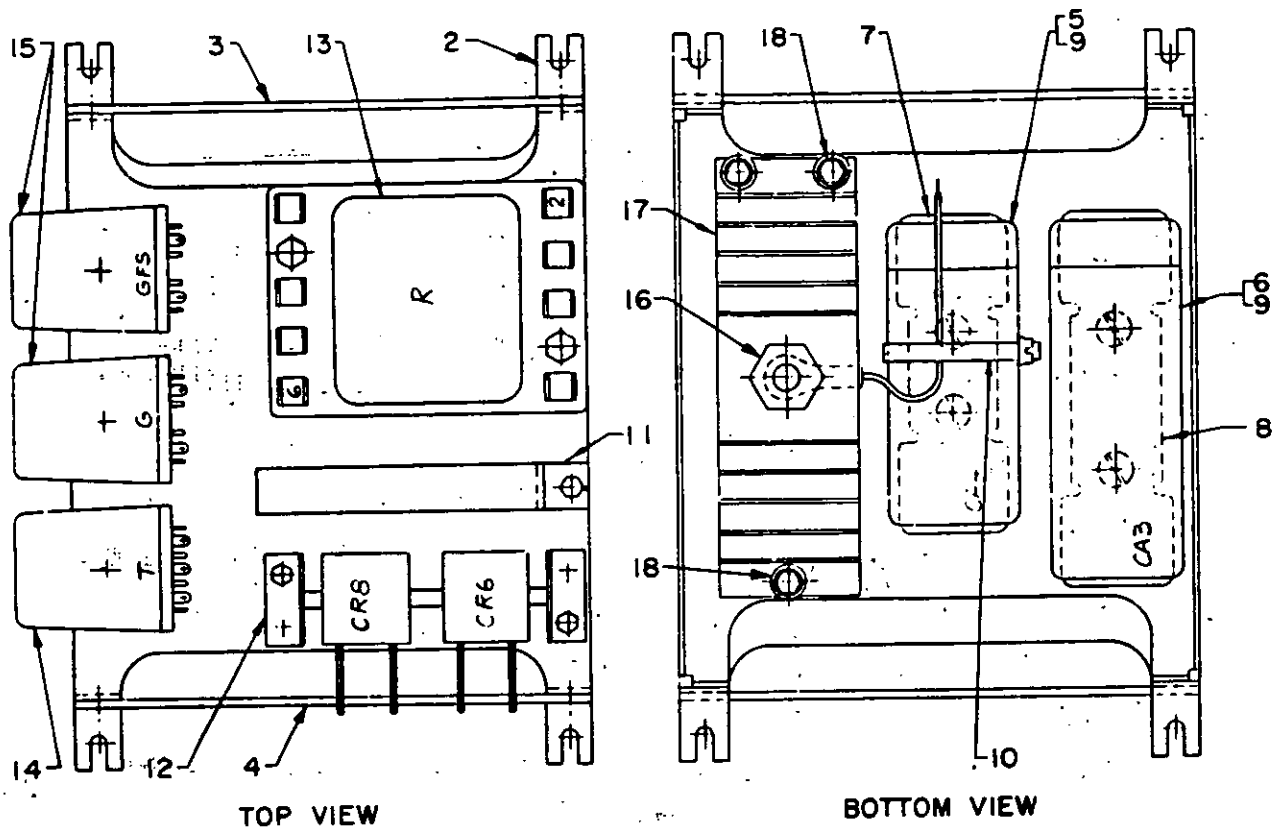
P.L. No. B3286-E

WHEEL SLIP CONTROL

Ref. No.	Part Number	No. Req.	Description
-	8397747	1	PANEL ASSEMBLY .. Wheel slip control - IDAC
-	8398417	1	BASE ASSEMBLY .. Equipment mounting
23	8398248	1	BRACKET ASSEMBLY .. Test light
24	8397954	1	BRACKET .. Equipment mounting
25	8421182	2	LAMP .. Slide contact base - 48 Volts - 2.5 Watts
26	8398252	2	SOCKET .. Lamp - Includes mounting clip
27	8398251	1	LENS .. Green profax
28	8398250	1	LENS .. Red profax
29	8398056	2	RHEOSTAT .. Lamp - RH4,5 - 500 Ohms - 12.5 Watts
30	8398081	2	LOCK .. Rheostat shaft - 1/4-32 hex.
31	8419096	1	SWITCH .. Push button
32	8454411	1	RELAY .. General purpose - L - 4 N.O. - 74 V.D.C. - Coil 1350 Ohms
33	8428700	2	RELAY .. General purpose - RA,U - 3 N.O. - 74 V.D.C. - Coil 1128 Ohms
34	8398023	1	RESISTOR .. RE6 - 1000 Ohms - 100 Watts
35	8356899	2	TRANSFORMER .. Isolation - T1,2 - 115 Volts - .3 Amps.
36	8397774	1	BRACKET .. Transformer mounting
37	8398042	1	BOARD .. Terminal - Faston tab - 17 point
*38	8418555	1	CABLE ASSEMBLY .. Wheel slip control
*39	8397794	A.R.	CABLE .. No. 18 AWG. - TFE insulation - Sold per foot (71 ft. required)
*40	8380934	95	TERMINAL .. Insulated female faston - Red
*41	8398735	2	CONNECTOR .. Insulated butt - No. 22 to No. 16 wire - 1 in. long
42	9419643	14	SCREW .. Tapping - 8-32 x 1/2 hex. washer head
43	9420156	8	SCREW .. Tapping - 1/4-20 x 1/2 hex. washer head
44	9419641	4	SCREW .. Tapping - 8-32 x 3/4 pan head - Cross recess
45	131015	4	WASHER .. Plain - 3/16
*46	8236485	A.R.	ADHESIVE .. Epoxy - Includes catalyst
*47	8322843	A.R.	ADHESIVE .. 1 pint can
*48	8214219	A.R.	CEMENT .. Tube - Applicable to Ref. Nos. 25,27 and 28
*49	8453256	A.R.	COMPOUND .. 5 oz. tube - Applicable to Ref. No. 26
*50	8346481	A.R.	COMPOUND .. Joint - 5 oz. tube - High temperature
*51	8339154	A.R.	SOLDER .. Resin - 5 lbs. spool
*52	8376066	A.R.	SPRAY .. Acrylic coat - 40° F. flash point
*53	8419943	A.R.	CARD .. Wire marker - Order by part no. and no. designation for card

WHEEL SLIP CONTROL

Bridge Support Assembly



Ref. No. 1
PLATE A3286-E-2

Ref. No.	Part Number	No. Req.	Description
1	8398416	1	SUPPORT ASSEMBLY .. Bridge
2	8398002	1	SUPPORT .. Bridge - Equipment mounting
3	8397884	1	BOARD ASSEMBLY .. Control circuit
4	8398235	1	BOARD ASSEMBLY .. Auxiliary control circuit
5	8398410	1	CAPACITOR .. CA4 - 200 MFD. - 100 V.D.C.
6	8398411	1	CAPACITOR .. CA3 - 700 MFD. - 100 V.D.C.
7	8398423	1	BRACKET .. Capacitor mounting - Appl. to Ref. No. 5
8	8398412	1	BRACKET .. Capacitor mounting - Appl. to Ref. No. 6
9	8398413	2	CAP .. End - Capacitor
10	8357320	1	CLAMP .. Self clinching
11	8398535	1	BRACKET .. Handle
12	8411773	1	RECTIFIER .. CR6, CR8 - .150 Amps.
13	8327263	1	RELAY .. Micropositioner - R
14	8398168	1	RELAY .. General purpose - T - 3 N.O. - 5000 Ohms coil - 74 V.D.C.
15	8398169	2	RELAY .. General purpose - G, GFS - 2 N.O. - 5000 Ohms coil - 74 V.D.C.
16	8398256	1	ZENER .. Diode - Z3 - 50 Volts - 830 M.Amps. D.C.
17	8398192	1	SINK .. Heat - Zener mounting
18	8398191	3	INSULATOR .. Sink to bridge
*19	8411733	1	CABLE ASSEMBLY .. Support bridge
*20	8397794	A.R.	CABLE .. No. 18 AWG. - TFE insulation - Sold per foot (38 in. required)
*21	8380934	8	TERMINAL .. Insulated female faston - Red
*22	8402844	4	LUG .. Terminal - Insulated crimp type - Red - No. 10 stud hole dia.
*23	8389529	1	LUG .. Terminal - Insulated crimp type - Red - 1/4 stud hole dia.

See Page 4

P.L. No. B3286-E

WHEEL SLIP CONTROL

Control and Auxiliary Control Board Assemblies

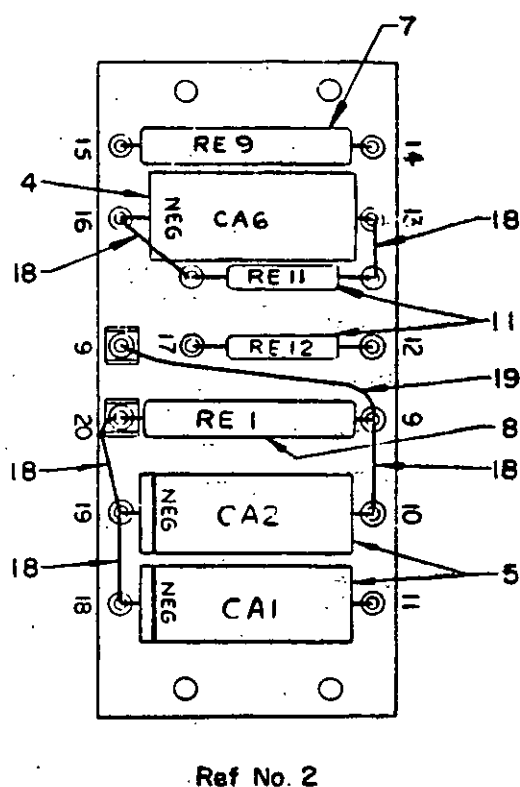
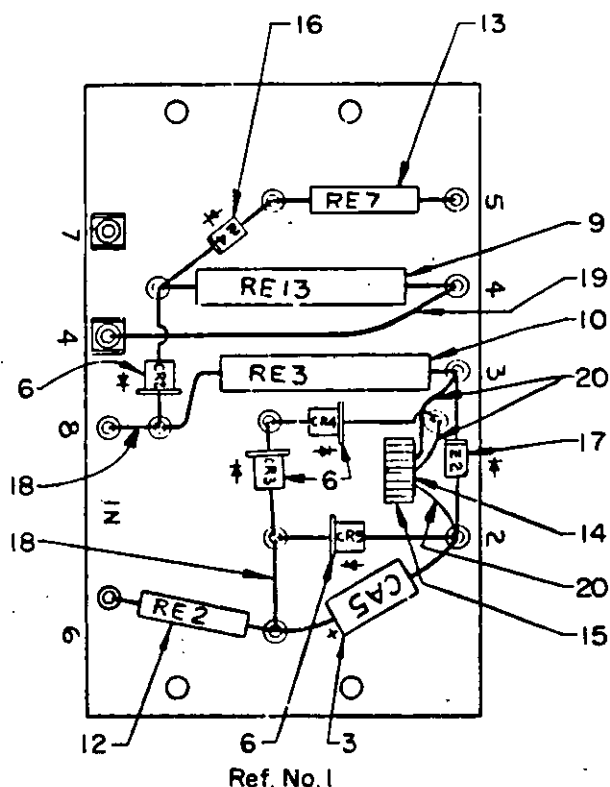


PLATE A3286-E-3

Ref. No.	Part Number	No. Req.	Description
1	8397884	A 1	BOARD ASSEMBLY .. Control circuit
2	8398235	B 1	BOARD ASSEMBLY .. Auxiliary control circuit
3	8317375	- 1	CAPACITOR .. CA5 - 47 MFD. - 35 V.D.C.
4	8398255	- 1	CAPACITOR... CA6 - 20 MFD. - 200 V.D.C.
5	8403356	- 2	CAPACITOR .. CA1,CA2 - 1 MFD. - 400 V.D.C.
6	8373329	4 -	DIODE .. CR2,CR3,CR4,CR9 - Silicon
7	8397820	- 1	RESISTOR .. RE9 - 400 Ohms - 10 Watts
8	8397815	- 1	RESISTOR .. RE1 - 500 Ohms - 10 Watts
9	8397822	1 -	RESISTOR .. RE13 - 820 Ohms - 10 Watts
10	8397818	1 -	RESISTOR .. RE3 - 1000 Ohms - 10 Watts
11	8397821	- 2	RESISTOR .. RE11,12 - 2200 Ohms - 5 Watts
12	8378678	1 -	RESISTOR .. RE2 - 4000 Ohms - 5 Watts
13	8397819	1 -	RESISTOR .. RE7 - 5000 Ohms - 5 Watts
14	8398315	1 -	TRANSISTOR .. Silicon - Polarity NPN
15	8305770	1 -	SINK .. Heat - Transistor
16	8398426	1 -	ZENER .. Diode - Z4 - 10 Volts
17	8378680	1 -	ZENER .. Diode - Z2 - 87 Volts
18	8330081	As Req.	WIRE .. No. 20 - Uninsulated - Sold per foot (1 ft. required)
19	8397794	As Req.	CABLE .. No. 18 AWG. - TFE insul. - Sold per foot. (6 in. required)
20	8340261	A.R.	TUBING .. Teflon - 100 ft. roll



Electro-Motive Division
General Motors Corporation
La Grange, Illinois 60525 USA
Telex: 270041 McCook, IL USA
Cable: ELMO DIV La Grange, IL USA
Telephone: 708-387-6000

Diesel Division
General Motors of Canada Limited
P.O. Box 5160
London, Ontario, Canada N6A 4N5
Telex: 064-5850
Telephone: 519-452-5000