

REPLACEMENT PARTS CATALOG NO. 311 INDEX

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645 ENGINE—SEE CAT. 300	100
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FOREWORD

This Replacement Parts Catalog covers parts ordering information for General Motors MP15 (Designated as MP15DC in the Table of Contents) and MP15AC Model Locomotives.

This catalog is to be used in conjunction with Catalogs 300 and 310 as indicated by the catalog reference column in the table of contents.

The method of listing items in this catalog is termed, "indented system". Indented items are components of the assembly or subassembly under which they are directly listed. This does not indicate that these items make up the full complement of parts of the assembled unit. Items not recommended for replacement are not listed.

The method of listing parts is by single-word part name wherever possible, followed by a detailed identity as to description or application. For example, "Engine water discharge elbow" is listed as "ELBOW .. Engine water discharge".

Additional information, in note form and sub-headings is given within the parts list text to explain usage, application and items such as newly developed replacement parts and available oversize and undersize parts.

The number of components used in the assembly or sub-assembly is indicated in the column designated "No. Req." (number required). A dash (-) in the column indicates that indented item is not a component of that assembly.

The letter (A, B, C, etc.) in the Number Required column designates:

- 1 - Model Application
- or 2 - Sub-assembly Application

Items not covered by a part number in a parts list may be ordered by specifying on your purchase order: the parts list number, reference number and complete description of the part required.

Throughout the catalog, cross-reference between the parts listing and illustration is shown by use of reference numbers. Reference numbers not shown in an illustration are identified by an asterisk (*) symbol preceding the reference number in the listing. The plus (+) symbol preceding the reference number indicates that listing is a repetition of the part from its prime location. The ϕ symbol preceding the reference number indicates that one or more items of different types have been used in this application. Only one of these items will be applicable. The note (f) symbol preceding the reference number indicates that additional information is found in note form within the parts list.

Illustrations contained in this catalog are only intended to be used as a general guide for ordering replacement parts. In instances where it is difficult to illustrate all the detailed parts of a group of parts or a sub-assembly, the reference numbers of the parts are bracketed to indicate their location.

REPLACEMENT PARTS CATALOG NO. 311

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MP15DC AND MP15AC LOCOMOTIVE MODELS

REFER TO CATALOG 300		Locomotive Application - MP15AC				
Parts List Number	Subject	Locomotive Application - MP15DC				
		Location in Parts List				
		Part Number	Page No.	Ref. No.	Col.	
100 GROUP - 645E ENGINE - Refer to Catalog No. 300						
<i>For all Parts Lists not specifically designated below, see Catalog No. 300 under 12-645E Engine Application.</i>						
D100-S1	Engine, Crankcase, and Oil Pan Assembly					
	Engine Equipped - MP15DC	8493254	1	1	A	X -
	Engine Equipped - MP15AC	9089447	1	1A	B	- X
	Crankcase and Oil Pan Assembly	- - - -	1-3	2	A-B	X X
X D104	Handhole Cover and Cylinder Test Valve					
	Handhole Cover	8335840	2	1	-	X X
	Handhole Cover Located at Starter Motor	8391430	3	11	-	X X
	Cylinder Test Valve Assembly	8048880	5	1	-	X X
D124-S2	Engine to Main Generator Coupling, Ring Gear, Auxiliary Drive Flange and Engine Turning Jack	- - - -	1-2	-	A-B	X X
X D125	Electric Starter Motor and Mounting					
	Starter Motor Mounting - MP15AC	- - - -	1	-	A	- X
	Electric Starter Motor	1109999	2-5	1	-	- X
	Solenoid Switch	1115539	6	1	-	- X
D126-S2	Camshaft Drive Gear Train	- - - -	1-3	-	A-B	X X
X D146	Water Pump	8249002	1-2	6	-	X X
X D150	Fuel Oil Filter					
	Viscose Fuel Oil Filter - Early MP15DC Units	8452887	5	4	D	X -
D150-S3	Fuel Oil Filter					
	Spin On Filter - Current MP15DC & MP15AC Units	8497551	1	1	-	X X
	Filter Conversion - Viscose To Twin Spin On Filters	- - - -	2	-	-	X X
X D152	Fuel Injector	5229200	1-3	2	A	X X
X D154	Cylinder Head Cover and Support Frame	- - - -	4-6	-	B	X X
X D159	Engine Crankcase Pressure Switch, Detector and Low Water Safety Shutdown Valve					
	Repair, Conversion, and Detector Installation Kits	- - - -	1	3,6	-	X X
	Hot Oil, Low Water and Crankcase Pressure Detector with Low Water Cutoff	- - - -	4-5	-	A	X X
	Low Water and Crankcase Pressure Detector	8464678	19-20	1	B	X X
	Shut-Off Valve Assembly	8412324	23	1A	-	X X
X D166	Governor Assembly - Electro-Hydraulic PGR					
	Governor Assembly - MP15DC & MP15AC	8469802	21-30	6	A	X X
	(NOTE: Governor 9097320 has been applied to some MP15AC units with the exception of speed and rack settings, this governor is identical to 8469802.)					
D172-S2	Exhaust Chamber Assembly	- - - -	1	-	-	X X
X C178	Engine Air Intake Filters					
	Oil Bath Panel Type - MP15DC	8356190	2	1	A	X -

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REFER TO CATALOG 300		Locomotive Application - MP15AC					
Parts List Number		Locomotive Application - MP15DC					
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X C181	Cycoil, Rotonamic, Inertial, Paper, and Fiberglass Engine Air Filters Disposable Fiberglass Engine Air Filter - MP15DC	21	-	-	X	.
C181-S	Fiberglass Engine Air Filters - MP15 and MP15AC Units	1-3	-	-	X	X

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REFER TO CATALOG 310		Locomotive Application - MP15AC					
Parts List Number	Subject	Location in Parts List					
		Part Number	Page No.	Ref. No.	Col.		
500 GROUP - COOLING SYSTEM							
B517-SW2	Cooling System Engine Water Cooling System Equipment	- - - -	1-4	-	A,B	X	X
B520-SW1	Air Cylinder Shutter Operating Air Cylinder Assembly	8374008	1	-	B	X	X
X B530-SW	Automatic Shutter and Operating Mechanism Front End Mounted Shutter Shutter Control Application	- - - - - - - -	1-2 3-4	-	C C	X X	- -
B530-SW1	Automatic, Shutter and Operating Mechanism Roof Mounted Shutters and Air Inlet Screen	- - - -	1-2	-	-	-	X
X B544-SW	Water Tank Water Level Gauge	- - - -	1	-	-	X	X
C549-SW	Engine Water Cooling Radiator Assembly Radiators Vented at Water Outlet End Radiators Vented at Water Outlet End	- - - - - - - -	1 2	-	-	- X	X -
700 GROUP - FUEL OIL SYSTEM							
A720-SW1	Fuel Tank Fuel Tanks, Gauges and Fillers - Reference List Fuel Tank Mounting	- - - - - - - -	1 2	-	-	X X	X X
X B740-SW	Flame Arrestor Fuel Tank Flame Arrestor	8167296	1	1	-	X	-
X B748-SW	Fuel Oil Filter and Strainer Primary Fuel Filter Assembly Fuel Oil Strainer	8356717 8341983	1 1	1 8	-	X X	X X
B750-SW1	Fuel Tank Gauge Full Length Fuel Level Gauge Fuel Filler Gauge Float Type Fuel and Water Gauges - General List Float Type Fuel and Water Gauges	8370578 - - - - - - - - - - - -	1-2 3 4-5 6	4	D - - -	X X X X	- X X X
B758-SW1	Fuel Tank Filler Fuel Filler Assembly Buckeye Automatic Shut-Off Fuel Fillers Buckeye Automatic Shut-Off Fuel Fillers Houston Automatic Fuel Filling Arrangement Aeroquip Automatic Fuel Filling Arrangement Snyder Automatic Fuel Filling Arrangement	8204768 9092528 8493264 8490140 8356096 8394160	1 2 2 3 4 5	1 14 18 2 2 1	- - - B - -	X X X X - X	- X X - X -
900 GROUP - LUBE OIL FILTER							
X B926-SW	Lube Oil Filter Lube Oil Filter Assembly	8449807	1-2	2	-	X	X
1000 GROUP - ACCESSORY RACK EQUIPMENT							
B1000-SW1	Accessory Rack Equipment Accessory Rack Without Water Tank Primary Fuel Filter and Mounting	- - - - - - - -	1-9 10-11	-	-	X X	X X

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		Locomotive Application - MP15DC				
Parts List Number	Subject	Location in Parts List				
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1080 GROUP - AIR SYSTEM EQUIPMENT						
1090						
C1083-SW	Air Brake Hose					
	Brake Cylinder and End Connection Hoses - Wire Braided Rubber Hose With Nipple and Socket Hose Fittings	- - - -	1	-	-	X X
	Brake Cylinder and End Connection Hoses - Cotton Braided Rubber Hose With Connectors and Clamps	- - - -	2-5	-	-	X X
C1088-SW	Main Air Reservoir Equipment					
	Main Air Reservoir Manual Drain Valve	- - - -	1	-	-	X -
	Main Air Reservoir Auto. and Man. Drain Valve	8451213	2	2	B	X -
	Main Air Reservoir Automatic Drain Valve	8254621	3	1	A	X -
	Main Reservoir Elect. Drain Vlv. with Manual Drain Valve	8465745	4-5	3	-	X X
	Main Air Reservoir Check Valves	- - - -	6	-	-	X X
	Air Filter and Drain Valve Assembly	8468560	7-8	1	-	X -
	Main Reservoir Electric Drain Valve With Manual Drain Valve	- - - -	9-10	-	-	X X
	No. 1 and No. 2 Main Reservoir Arrangement	- - - -	11-12	-	-	X X
A1090-SW	Air System Equipment					
	26L Air Brake Valves and Repair Kits	- - - -	1-2	-	-	X X
	596 and 599 Check Valves, Service Rate Appl. Check Valve and A.C. Cabt. Aux. Air Filter	- - - -	3	-	-	X X
	Dead Engine Air Regulator and Push-Pull Type Bell Ringer	- - - -	4	-	-	X X
	Centrifugal Aftercooler Air Filter With Secondary Filter Element and Electric Drain Valve	8465755	5-6	1	-	X X
	Centrifugal Air Filter With Protective Scrubber for Secondary Filter Element and Electric Drain Valve	9082059	7-8	1	-	X X
1100 GROUP - AIR COMPRESSOR						
X B1144-SW	Air Compressor					
	WBO 8100 Air Compressor	8423342	1-10	11	B	X -
	WBO 8106 Air Compressor	8464280	1-10	13	B	X -
	WBG 8100 Air Compressor	8423345	1-10	18	D	X -
	Pistons, Rings and Ring Sets	- - - -	11	-	-	X -
B1144-SW1	Air Compressor					
	WBO Air Compressor Assemblies	- - - -	1-5	-	-	- X
	Pistons, Rings and Ring Sets	- - - -	6	-	-	- X
X B1152-SW	Oil Pressure Relief Valve					
	Oil Pressure Relief Valve Assembly	- - - -	1	-	-	X X
B1155-SW1	Intercooler and Safety Valve					
	Intercoolers	- - - -	1	-	-	X X
	Safety Valve	8310077	2	1	-	X X
X B1158-SW	Lubricating Oil Pump					
	Lubricating Pump Assembly	8317892	2	1	-	X X

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Parts List Number	Subject	Locomotive Application - MP15DC					
		Location in Parts List					
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B1161-SW1	Pressure and Suction Valves						
	Low Pressure Cylinder Discharge Valves	- - - -	1	-	-	X	X
	Low Pressure Cylinder Suction Unloading Valve	8067160	2	1	-	X	X
	High Pressure Cylinder Discharge Valve	- - - -	3	-	-	X	X
	High Pressure Cylinder Suction Unloading Valve	8067161	4	1	-	X	X
X B1164-SW	Crankcase Breather and Air Filters						
	Crankcase Breather	8271512	1	2	B	X	X
	Air Filters	- - - -	2	-	-	X	-
X A1165-SW	Air Compressor Filter Application	- - - -	1	-	-	X	-
A1165-SW1	Air Compressor Filter Application	- - - -	1	-	-	-	X
1200 GROUP - MECHANICAL DRIVES							
B1205-SW2	Cooling Fan						
	Fan Pedestal, Cooling Fan and Drives	- - - -	1-2	-	-	X	-
	Sheave Idler Assembly	8371135	3	1	-	X	-
1500 GROUP - TRUCKS AND HAND BRAKE							
A1508-SW	Truck Assembly						
	Two (2) Axle Rigid Truck Asy. with Clasp Brakes	8491578	1-4	1	-	X	X
	Brake Rigging	- - - -	5-7	-	-	X	X
	Slack Adjuster	8494109	8	1	-	X	X
	Brake Cylinder Piping	- - - -	9	-	-	X	X
	Traction Motor Air Duct, Underframe Bolster Body Center Plate, Side Bearing Clip and Lifting Pad	- - - -	10	-	-	X	X
A1511-SW	Truck Assembly						
	Two (2) Axle Rigid Truck Assembly with Single Shoe Brake	8461455	1-3	1	-	X	-
	Brake Rigging	- - - -	4-6	-	-	X	-
	Brake Cylinder Piping	- - - -	7	-	-	X	-
	Traction Motor Air Duct, Underframe Bolster Body Center Plate, Side Bearing, Clip and Lifting Pad	- - - -	8	-	-	X	-
X B1515-SW	Traction Motor Suspension	- - - -	1	-	-	X	X
A1518-SW1	Truck Axle						
	Wheel, Gear, Guard, Race and Axle Assembly for Straight Roller Journal Boxes	- - - -	1	-	-	X	X
B1554-SW1	Journal Boxes						
	Hyatt 6-1/2 x 12 Straight Roller Bearing Journal Boxes	- - - -	1-2	-	-	X	X
B1577-SW2	Hand Brake						
	Hand Brake Application	- - - -	1	-	-	X	-
	Hand Brake Application	- - - -	2-3	-	-	-	X
	No. 800-LG Hand Brake Assembly	- - - -	4	-	-	X	X
	Hand Wheel Type Hand Brake Assembly	9093520	5-6	-	-	-	X
1800 GROUP - FLEXIBLE COUPLINGS, DIAL GAUGES AND BALL COCK VALVES							
F1801	Flexible Couplings						
	Air, Water and Lube Oil Flexible Couplings	- - - -	1-2	-	-	X	X
	Flexible Couplings and Sealing Compounds	- - - -	3	-	-	X	X
	Air, Water and Lube Oil Threaded and Bolted Flexible Couplings	- - - -	4	-	-	X	X

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REFER TO CATALOG 310		Locomotive Application - MPI5AC					
Parts List Number	Subject	Locomotive Application - MPI5DC					
		Location in Parts List					
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B1805	Dial Gauges						
	Dial Gauge General List	- - - -	1-3	-	-	X	X
	Dial Gauges	- - - -	4-27	-	-	X	X
G1850	Ball Cock Valves						
	Air, Fuel Oil, Lube Oil and Water Ball Cock Valves Reference List	- - - -	1-2	-	-	X	X
1900 GROUP - SANDING EQUIPMENT							
B1920-SW2	Sand Box and Filler						
	7-1/2 Cubic Foot Capacity Sand Box	- - - -	1	-	-	X	X
	10 Cubic Foot Capacity Sand Box	- - - -	2	-	-	X	-
X B1921-SW	Sand Traps						
	273 Sand Trap	8335166	1	1	-	X	-
	380-1 Rotary Sand Shut-Off Valve	8320347	5	16	-	X	-
B1921-SW1	Sand Traps						
	Sand Traps with Shut-Off Valves	- - - -	1	-	-	X	X
	Sand Trap and Solenoid Valve	- - - -	2	-	-	X	-
	Sander Hose and Clamps	- - - -	3	-	-	X	X
X B1922-SW	Sander Control Valves						
	500-BS-1-20 Solenoid Actuated Sander Control Valve Assembly	8464204	1	2	B	X	X
	500-B Sander Control Valve	8327139	4	1	-	X	-
	246-B Duplex Sander Operating Valve	8126865	5	1	A	X	-
	596 Cartridge Type Two-Way Check Valve	8318372	6	1	-	X	X
B1922-SW1	Sander Control Valves						
	Type 515-S-1-20-1 Sander Control valve	8465753	1-2	2	B	X	X
2100 GROUP - WINDOW WIPERS							
X B2104-SW	Window Wipers						
	Window Wiper Air Motors, Blades and Air Line	- - - -	1-3	-	A	X	X
	NOTE: Add one (1) 50° sweep air motor 8396376, Ref. 3, Page 1						
	Add one (1) 1/8 in. cutout regulating valve 8295087, Ref. 33, Page 1.						
	Window Wiper Air Motors, Blades and Air Line	- - - -	1-3	-	D	X	-
	NOTE: Add one (1) 50° sweep air motor 8499598, Engineers side long hood end of cab						
	Add one (1) Pantograph Wiper Arm Asy. 8148136, Ref. 23, Page 1.						
	Add one (1) 20 in. lg. wiper blade asy. 8148148, Ref. 30, Page 1.						
	Add one (1) regulating valve 2537450, Ref. 33, Page 1.						
	Air Motors (Trico)	- - - -	4-6	-	A-D	X	X
	Air Motors (Sprague)	- - - -	7-8	-	A-C	X	-
	Air Motor Assembly - 50° Sweep (Sprague)	†8499598	-	-	-	X	-
	Air Motor Repair Kit	8412179	9	1	-	X	-
	Pressure Regulating Valve - (Trico) Air Motors	8310366	10	1	-	X	X
	Pressure Regulating Valve - (Sprague) Air Motors	2337450	10	15	-	X	-
	Pantograph Wiper Arm Assembly	8148136	11	1	-	X	-

† Indicates assembly number only. Breakdown scheduled for future publication.

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Parts List Number	Subject	Locomotive Application - MP15DC					
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2400 GROUP - CAB EQUIPMENT, SASH, DOORS AND PILOTS							
X B2410-SW	Cab Equipment						
	Cab Awning Without Stop Angle	8123974	1	1	A	X	-
	Cab Awning With Stop Angle	8191795	1	2	B	X	X
	Sun Visor Assembly	8358640	3	1	A	X	X
X A2415-SW	Cab Sliding Sash and Stationary Windows						
	SC-871 Wind Deflector	8114172	11	1	A	X	-
	SC-872 Wind Deflector	8192134	11	2	B	X	-
	PM-934 Wind Deflector	8347360	11	3	C	X	-
	651 Wind Deflector	8321562	12	1	A	X	-
	SC 875-28 Wind Deflector - Incl. Rear View Mirror	†8198817	-	-	-	-	X
	SC 871-100 Wind Deflector - Incl. Rear View Mirror - Left Front - Right Rear	†8312074	-	-	-	X	-
	SC 871-100 Wind Deflector - Incl. Rear View Mirror - Right Front - Left Rear	†8312075	-	-	-	X	-
	Removable and Permanent Plastic Bay Window	8355472	14-15	3	C	X	X
	BW 131-5 Bay Window - With Lexan 4004 Plastic - Engineers Side Only	†8492054	-	-	-	X	-
A2415-SW2	Cab Sliding Sash and Stationary Windows						
	Locomotive Glass, Numeral Plates and Weatherstripping	- - - -	1-2	-	-	X	X
	Aluminum Cab Sliding Sash - With AS-1 Safety Plate Glass or Lexan 4004 Plastic	- - - -	3	-	-	X	X
X A2425-SW	Cab Access Doors						
	Front Cab Access Door Assembly	8370599	1-3	1	A	X	X
	Rear Cab Access Door Assembly	8370458	1-3	4	D	X	X
	Front Cab Access Door Asy. With Inside Grab Handle	†9083120	-	-	-	X	-
	Rear Cab Access Door Asy. With Inside Grab Handle	†9083122	-	-	-	X	-
	Cab Access Door Lock Assembly	8370808	6	1	A	X	X
	Cab Access Door Lock Asy. With No Thumb Latch	†8460589	-	-	-	X	-
X B2450-SW	Pilots						
	NOTE: When ordering the following pilots specify locomotive model and road number						
	Pilot Assembly and Footboards	8390551	1-2	17	C	X	-
	Snow Plow and Plate Type Road Pilot	8404944	3-4	22	-	X	X
	Pilot Assembly With Hose Storage Rack - 18 in. high x 97 in. wide	†9087094	-	-	-	X	X
	Snow plow pilot assembly - 26 in. high x 115 in. wide	†9092819	-	-	-	X	-
	Snow plow pilot assembly - No. 1 end - Left side - 33-1/2 in. high x 57-1/2 in. wide - W/O hose doors	†9094407	-	-	-	-	X
	Snow plow pilot asy. - No. 1 end - Right side - 33-1/2 in. high x 57-1/2 in. wide - W/O hose doors	†9094408	-	-	-	-	X
	Snow plow pilot asy. - No. 1 end - Left side - 33-1/2 in. high x 57-1/2 in. wide - With M.U. hose doors	†8407357	-	-	-	X	-
	Snow plow pilot asy. - No. 1 end - Right side - 33-1/2 in. high x 57-1/2 in. wide - With M.U. hose doors	†8407358	-	-	-	X	-
2500 GROUP - CARBODY							
X B2502-SW	Carbody Equipment						
	Hood Access Door Latch Assembly	8158536	10-11	2	B	X	X
	Hood Hatch Door Latch Assembly	8203089	10-11	18	B	X	X

† Indicates assembly number only. Breakdown scheduled for future publication.

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B2502-SW2	Carbody Equipment						
	Hood Side Access Doors	- - - -	1-3	-	A	X	-
	Hood Side Access Doors	- - - -	1-3	-	B	-	X
	Hood Hatch Doors and Exhaust Stack	- - - -	4	-	A	X	-
	Hood Hatch Doors and Exhaust Stack	- - - -	4	-	B	-	X
B2587-SW1	Locomotive Steps						
	Locomotive End Side Step Tread Assemblies and Support Plate	- - - -	1	-	-	X	-
	Locomotive End Side Steps - No Pilot	- - - -	2	-	-	X	-
	Locomotive End Side Steps and Support Plates - Heavy or Light Weight Underframe	- - - -	3	-	-	X	X
	Cab, Sub-Base and Hood Steps	- - - -	4	-	-	X	X
2600 GROUP - HANDRAILS AND SUPPORTS							
B2605-SW1	Handrails and Supports						
	Front or Rear End Arrangement With Long End Plate - With or Without Walkway	- - - -	1-2	-	-	X	-
	Front or Rear End Arrangement With Long End Plate - With or Without Walkway	- - - -	3-4	-	-	X	-
	Front or Rear End Arrangement With M.U. Platform and Center Handrails	- - - -	5-6	-	-	X	-
	Front and Rear End Arrangement With Long End Plate - Without Walkway	- - - -	7	-	-	-	X
	Front and Rear End Arrangement With Long End Plate - With Walkway and Safety Chains	- - - -	8-9	-	-	-	X
A2610-SW2	Handrails and Supports						
	Hood, Side Handrails and Supports	- - - -	1-2	-	-	X	X
	Side Handrails and Supports	- - - -	3-4	-	-	X	-
	Side Handrails	- - - -	5	-	-	-	X
2700 GROUP - COUPLER AND DRAFT GEAR							
X B2700-SW	Coupler and Draft Gear						
	Coupler Carrier	8366915	3	7	-	X	X
	Coupler Carrier	8336798	-	-	-	X	X
	MS-485-6A Draft Gear Assembly	8252488	4-5	5	E	X	X
	NC-391 Draft Gear Assembly	†8451698	-	-	-	X	-
	Draft Gear Carrier Plate Assembly	8332708	6	17	-	X	X
	Draft Gear Carrier Plate Assembly	†8448165	-	-	-	X	X
B2700-SW1	Coupler and Draft Gear						
	Top Operated "E" Coupler	- - - -	1	-	-	X	X
	NC-393 Draft Gear Assembly	8482050	2	1	-	X	X
	Basic Uncoupling Arrangement - After Early 1975 - Front or Rear End	- - - -	3	-	-	X	X
	Basic Uncoupling Arrangement - Before Early 1975 - Front or Rear End	- - - -	4	-	-	X	-
2900 GROUP - HORN AND BELL							
X B2940-SW	Horn						
	S-31 Single Bell Air Horn	8197542	1-2	1	A	X	-
	SL-3L-R Three Bell Air Horn	8363199	1-2	6	F	X	-
	SL-3L-R0 Three Bell Air Horn	8381440	1-2	7	G	X	-
	P14R2 Three Bell Air Horn	8206511	3-4	3	C	X	X
	M3R2 Three Bell Air Chime Horn	8332019	5-6	3	C	X	-
	P14R2 Three Bell Air Chime Horn	†8479960	-	-	-	X	-
	PM-920 Three Bell Air Horn - Prime	†8476823	-	-	-	X	X

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X B2941-SW	Horn Operating Valves						
	11182 Non-Modulating Valve	8329957	1	1	1	X	X
	11162-1/8 With 1/8 in. Choke Valve	8318019	1	2	2	X	X
	Single Control Air Horn Operating Valve	8047172	2	1	-	X	-
X B2945-SW	Bell						
	Hood Mounted Bell and Bell Ringer	-	1	-	-	X	X
	BR 108 Single Action Internal Bell Ringer	8345708	2	2	B	X	X
	506 Double Action Internal Bell Ringer	8269473	2	3	C	X	-
	616-1A-BH 3 Way - Push Pull Bell Operating Valve	8300987	2	21	-	X	X
	PM-750 Electronic Bell Speaker Asy.	†8477916	-	-	-	-	X
	PM-751 Electronic Bell Amplifier Asy.	†8477917	-	-	-	-	X
3200 GROUP - ELECTRICAL CONTROL CABINETS AND PANELS							
A3239-SW2	A.C. Cabinet						
	Engine Accessory Control Cabinet Assembly	8492618	1-3	1	-	X	-
	Engine Accessory Control Cabinet Application	-	4-5	-	-	X	-
	Engine Accessory Control Cabinet Assembly	9088159	6-8	1	-	-	X
	Engine Accessory Control Cabinet Application	-	9-10	-	-	-	X
	A.C. Cabinet Assembly	9096340	11	1	-	-	X
A3247-SW	Electrical Control Cabinet Filter Equipment						
	Air Filter Application	-	1	-	-	-	X
	Air Filter Assembly	8458504	2	1	-	-	X
C3280-SW	Electrical Control Cabinet						
	Electrical Control Cabinet Assembly	-	1-4	-	-	X	X
	Motor Field Shunting Resistor Application	-	5-6	-	-	X	X
	Main Control Panel Assembly	8492923	8	1	-	X	-
	Resistor Panel Assembly	-	10	-	-	-	X
	Contacting Panel Assembly	-	11	-	-	-	X
	Generator and Traction Motor Ammeter Shunt Panels	-	12	-	-	X	X
	Sub-Base Mounted Electrical Cabinet Access Doors	-	13-14	-	-	X	X
A3286-SW	Panel Assembly						
	Engine Control Panel Assembly	8370236	1-2	1	-	X	-
	Indicator Light Switch Panel Assembly	-	3	-	-	-	X
	Indicator Light Switch Lens Caps	-	4	-	-	-	X
3300 GROUP - MAIN GENERATOR - ALTERNATOR							
C3316-SW	Main Generator						
	D32U Main Generator Assembly	8491389	1-7	2A	C	X	-
	D32U Generator Stator Assembly	8491390	8-10	1A	-	X	-
	D32U Generator End Housing Assembly	8386405	11	1	-	X	-
	Brush Holder Assembly	8331071	12	1	-	X	-
A3317-SW	AR10 Alternator						
	AR10E1-D14 Alternator Assembly	8447753	1-4	1	-	-	X
	Circuit Filter	-	5	-	-	-	X
	AR10 Stator Assembly	8356273	6-7	1	-	-	X
	D14 Stator Assembly	8346621	8	1	-	-	X
	AR10 Rotor Assembly	8346254	9-10	1	-	-	X
	Collector Ring Assembly	8345866	11	1	-	-	X
	Air Box Assembly	8448592	12-13	1	-	-	X
	Rectifier Bank Assembly	9084995	14-15	1	-	-	X

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4000 GROUP - CIRCUIT MODULES							
A4001-SW	Circuit Module Assemblies						
	Circuit Module Index	- - - -	1	-	-	-	X
	Circuit Modules	- - - -	2-21	-	-	-	X
	Test Panel Assembly	8441101	22	1	-	-	X
	Circuit Module Compartment Assembly	9092967	23	1	-	-	X
	Module Identification Name Plates and Support Angles	- - - -	24	-	-	-	X
4100 GROUP - CAB HEATER, FUEL PUMP AND MOTOR AND ENGINE COOLING FANS							
B4101-SW2	Cab Heater						
	Electric Cab Heater Assemblies	- - - -	1	-	-	-	X X
	Auxiliary Electric Cab Heaters	- - - -	2	-	-	-	X X
X B4110-SW	Fuel Pump and Motor						
	Fuel Pump and Motor Assembly	8152343	1	1	-	-	X X
	Fuel Pump Assembly	8020257	2	1	-	-	X X
	Fuel Pump Motor Assembly	5540387	3-5	3	C	-	X X
A4123-SW	Engine Cooling Fan						
	Engine Cooling Fan Assembly	8379212	1-2	1	-	-	X
4200 GROUP - OVERNIGHT HEATER							
X B4250-SW	Overnight Heating Equipment						
	Heat Exchanger Assembly	8346377	8	1	-	-	X -
	Heat Exchanger Assembly	+8467530	-	-	-	-	- X
4300 GROUP - CONTROLLER AND CONSOLE ASSEMBLIES							
C4330-SW	Control Console						
	Duplex Operators Station	9085119	1-7	1	C	-	X -
	Headlight Switch and Switch Drive Shaft	- - - -	9	-	-	-	X -
	Switch Enclosure Assembly	9084285	11	1	B	-	X -
	Equipment Mounting Frame Assembly	9084635	12	1	C	-	X -
C4331-SW	Control Console						
	Single Operator's Station	8495990	1-5	1	D	-	X -
	Single Operator's Station	9094571	6-12	1	A	-	- X
	Single Operator's Station	9095357	6-12	1	B	-	- X
B4332-SW1	Control Stand						
	Control Stand Assembly	8259457	1-2	1	A	-	X -
	Control Stand Assembly	9085703	1-2	1	B	-	X -
B4334-SW	Controller Mechanism						
	Controller Mechanism Application Index	- - - -	1	-	-	-	X X
	Controller Mechanisms, Interlocks and Handle Asy.	- - - -	2-16	-	-	-	X X
B4342-SW2	Console Mounted Panel Assemblies						
	Console Mounted Engine Control Panel Assemblies	- - - -	1	-	-	-	- X
	Console Mounted Main Control Panel Assembly	9093376	2	1	-	-	- X
	Console and Cab't. Mtd. Circuit Breaker Panel Asy.	8493416	3	1	B	-	X -
	Console Mounted Circuit Breaker Panel Assembly	- - - -	4-5	-	-	-	- X
	Console Mounted Fuse and Switch Panel Assembly	- - - -	6-7	-	-	-	X X
	Console Mounted Capacitor & Rectifier Panel Asy.	- - - -	8	-	-	-	- X
	Console Mounted Aux. Relay Panel Assembly	9093157	9	1	-	-	- X

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4500 GROUP - LOAD AND VOLTAGE REGULATORS								
	B4525-SW2	Load Regulator Vane Type Regulator With Face Plate Rheostat	8423587	1-2	1	-	-	X
X	A4526-SW	Load Regulator Vane Type With Internal Check Valve Vane Motor Assembly Load Regulator Application	8117013 8277229 - - - -	1 2-3 4	1 1 -	- - -	-	X X X
X	B4532-SW	Static Voltage Regulator Static Voltage Regulator Circuit Board Assembly	8330790 8446285	1-2 3	1 1	- -	-	X X
4700 GROUP - MAGNET VALVES								
X	B4710-SW	Magnet Valves Compressor and Shutter Control Magnet Valve Asy.	8367206	3	2	2	-	X
	B4710-SW1	Magnet Valves Dynamic Brake Interlock, Overspeed and Compressor Control Magnet Valves Shutter Control Magnet Valve	- - - - 9089075	1-2 3	- 1	- -	-	X X
4900 GROUP - EMERGENCY FUEL CUT-OFF SWITCH								
X	B4927-SW	Emergency Fuel Cut-Off Switch Emergency Fuel Cut-Off Switch Application	- - - -	1	1	1	-	X X
5100 GROUP - AUXILIARY INTERLOCKS								
X	B5177-SW	Auxiliary Interlock Assemblies	- - - -	1	-	-	-	X X
5300 GROUP - RELAYS, CONTACTORS AND MAGNETIC SWITCHES								
X	B5352-SW	Time Delay Relay Field Shunt FSD Time Delay Relay Sanding TDS Time Delay Relay	8272600 8276598	1-2 1-2	2 3	B C	-	X X X X
X	B5353-SW	Wheel Slip and Wheel Creep Relay Wheel Slip Relay - WSR Wheel Creep Relay - WCR	8172591 8191734	1-2 1-2	1 2	- -	-	X X X X
	C5377-SW	Contactor Generator Starting and Generator Starting Aux. Contactors Starting Contactor Generator Field Decay Contactor	8415485 8433397 8400143	1-2 1-2 1-2	1 1 1	A B C	-	X X - X - X
X	B5394-SW	Wheel Slip Relay Wheel Slip Relay-WSR1-WSR2-WSR12-WSR34	8454412	2	1	-	-	X X
	A5401-SW	Contactor Generator Field Contactor - GFC	8330937	1-2	1	-	-	X
X	B5408-SW	Traction Motor Field Shunting Contactor Motor Field Shunting Contactor - FS1	8358407	1-2	2	2	-	X X
X	B5424-SW	Magnetic Power Contactor 1000 Amp. Contactor - P1-P2-S12-S34	8461331	4-5	1	-	-	X X

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X B5426-SW	Magnetic Reverser Switch 1000 Amp. Reverser Switch - RVF - RVR	8464117	1-3	2	B	X	X
C5432-SW	Contactor Battery Field - BF - "B" Valve - BVC Contactor "A" and "C" Valve - AVC - CVC Contactor Start Auxiliary - STA Contactor Start Auxiliary - STA Contactor	8254056 8363270 8445890 8482180	1-2 1-2 1-2 1-2	1 1 1 1	B C D E	X X - -	- - X X
X B5440-SW	General Purpose Relay CDR-ETR-FOR-GFR-LIR-PCR-RHA-SRC- TSR-TSRX-WS-General Purpose Relay BVR-CCR-CRL-CVR-DVR-EBR-EQP-ETR-FPR- GFX-OSR-RTL-SLR-STX-TBR-General Purpose Relay	8357415 8363168	1 1	1 2	1 2	X X	X X
B5440-SW1	General Purpose Relays EFL General Purpose Relay ER-FPC-MR-PRR-SCC General Purpose Relay FPC General Purpose Relay HR-SCC General Purpose Relay FOR-RER General Purpose Relay SLUG General Purpose Relay	8392855 8357416 8357417 8398705 8357418 8361774	1 2 2 2 3 3	1 1 1 1 1 1	- A B C A B	X X - X - -	X X X - X X
B5452-SW	Ground Relay GR Ground Relay GR Ground Relay SOC Relay	8360045 8361776 †8421610	1-3 1-3 -	1 1 -	A B -	X - -	- X X
X B5497-SW	Transition Relays FSR1 Field Shunting Relay	8411512	1-3	3	B	X	-
5500 GROUP - CONTROL SWITCHES							
X B5524-SW	Control Switches MSSF-MSSR Sanding Control Switch PCS - Pneumatic Control Switch CC - Compressor Control CC - Compressor Control	8117872 8340775 8425336 8425022	1 1 1 1	14 16 19 20	- - - -	- - X X	X X X -
B5524-SW1	Control Switches Reference List Temperature Control Switches EFS - Pressure Switch	- - - - - - - - †8490137	1 2-3 -	- - -	- - -	X X X	X X -
5700 GROUP - CONTROL JUMPERS							
X B5713-SW	Control Jumpers Jumper Asy. - 27:27 pole - 9 ft. long Jumper Asy. - 27:27 pole - 9 ft. long Receptacle Asy. - 27 pole jumper Jumper Asy. - 5:5 pole - 62 in. long Jumper Asy. - 21:21 pole - 66 in. long Receptacle Asy. - 5 pole jumper Receptacle Asy. - 21 pole jumper	8195548 8460868 8179678 †9097015 †9097016 †9096476 †8275332	1 1 1 - - - -	3 17 21 - - - -	- - - - - - -	X - X - - - -	X X X X X X X

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5900 GROUP - LIGHTS					
X B5916-SW	Lights				
	Holder, Lens, Sockets, Receptacles and Lamps	- - - -	1	-	- X X
	Holder .. Lamp - Incl. 2 Watt - 1000 Ohms. Resistor	8438423	-	-	- X X
	Lamp .. Slide Base - 48 Volts - 2.5 Watts	8421182	-	-	- X X
	Lens .. Red	8438424	-	-	- X X
	Lens .. Amber } Female Threaded	8438426	-	-	- X X
	Cab Ceiling Light Assembly	8323753	2	1	1 X X
	Classification Light Assembly	8411537	3	2	- X X
	Dual Sealed Beam Headlights	- - - -	13	-	- X X
	Lamp Fittings	- - - -	14	-	- X X
	Amber Signal Light Assembly	8443434	18	1	- X X
	Headlights, Signal Lights and Classification Lights Mounting	- - - -	23	-	- X X
	NOTE: Use Box Asy. 8410323 in place of 8396606, Ref. No. 1, Page 23.				
	Amber Signal Light	+9094391	-	-	- X -
6700 GROUP - TERMINAL BOARDS					
X B6703-SW	Terminal Boards				
	Low Voltage Connections - (Faston Type Connections)	- - - -	1	-	- X X
	Low Voltage Connections - (Terminal Screw Conn's.)	- - - -	2	-	- X X
6900 GROUP - RESISTORS, RHEOSTATS AND RECTIFIERS					
X B6902-SW	Resistors, Rheostats and Rectifiers				
	Resistor General List - Single Tube Resistors	- - - -	1	-	- X X
	Two and Three Tube Resistors	- - - -	2	-	- X X
	Multiple Tube Resistors	- - - -	3	-	- X X
	Battery Charging and Motor Field Shunting Resistors	- - - -	4	-	- X X
	Rheostats	- - - -	5	-	- X X
	Rectifiers	- - - -	6	-	- X X
	Battery Charging Rectifiers	- - - -	7-9	-	- X X
9100 GROUP - GENERAL LIST - ELECTRICAL					
N9106	Wire, Cable and Cable Cleats				
	Index Page	- - - -	1	-	- X X
	Wire, Cable, Wire Markers and Cable Cleats	- - - -	2-10	-	- X X
X B9111-SW	Terminal Lugs and Connectors	- - - -	14	-	- X X
X B9128-SW	Cable Clamps				
	Insulated Cable Clamps	- - - -	1	-	- X X
	Self Clinching Nylon Cable Ties	- - - -	2	-	- X X
B9130-SW	Storage Batteries				
	Storage Battery	- - - -	1	-	- X X
	Battery Box and Trap Door Assembly	9093793	2-3	1	1 X X
	Battery Shim Blocks, Spacers and Brackets	- - - -	4	-	- X X
	Battery Cables	- - - -	5	-	- X X
	Battery Charging Receptacles and Plugs	- - - -	6	-	- D X
F9136	Carbon Brushes				
	Carbon Brush Reference Chart	- - - -	14	-	- X X

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