

ELECTRO-MOTIVE



Pointers

Division of General Motors Corporation, La Grange, Illinois

POINTERS SUMMARY

The following Pointers articles were published during 1974, 1975, and 1976. These lists have been prepared to promote a review of the articles for information to reduce maintenance costs, improve operation, and extend service life of the equipment.

1974 SUMMARY

January 15, 1974

Lube Oil Oxidation

Reuse Of Water Inlet Tube Assemblies On EMD 567 And 645 Engines

Engine Pressure Detector Tubing

January 22, 1974

Correct Piston And Ring Usage In 645 Engines

February 19, 1974

Engine Prestart Procedures

Installation Precautions For New Oil Control Ring Application

Utex Crankcase And Oil Pan Assemblies

Low Water And Crankcase Pressure Detector Rebuild

Adjustment Of Static Dynamic Brake Regulator

March 19, 1974

No. 14 AWG Control Wire

Use Of Hardened Washers With Main Bearing Caps

New Departure-Hyatt Journal Box Welding

March 26, 1974

Main Bearings

April 16, 1974

Elimination Of Dowels At Engine Crankshaft Rear Oil Retainer

Inspecting & Testing Locomotive Shock Absorber

Installation Of Liner Water Jumpers

Parts Kits To Replace Piece Parts For Electrical Control Devices

May 21, 1974

Warranty Adjustment--Traction Motor Pinion End Bearing Failure

Fuel Suction Leaks

Improved Exhaust Manifold Screen

Elimination Of Dowel Holes In The End Plates Of Unit Exchange Crankcases

Air Compressor Oil Pressure Relief Valve

June 25, 1974

Air Compressor Lubricating Oil

SDP40F And F40C Engine Exhaust Silencer Inspection

Reverser Handle

Proper Positioning Of Controller Switches And Operating Handles

Testing Engine Temperature Switches

July 30, 1974

AR10 Generator Collector Ring Connections

July 30, 1974 (Cont'd)

Load Control System Oil Supply And Drain Hoses
Turbocharger Removal

August 26, 1974

Traction Motor Axle Cap Bolts
Cleaning Lexan MR-4000 Cab Windows
Module Test Adapter
AR10 Field Transient Suppression Capacitor
Pinion Engagement Modification To Starter Motor Circuitry

September 30, 1974

Cylinder Liners
Increased Grease Charge--Traction Motor Gear Case
Top Compression Ring For Use In Chrome Plated Liners
AR10 Field Transient Suppression Capacitor

November 1, 1974

Functional Test Of "EL" Module On Dash-2 Locomotives

November 12, 1974

Use of 645-Type Head-To-Liner Gaskets In EMD Engines

November 19, 1974

Locating Top Dead Center
Air Compressor Water Jacket Sediment Removal
Traction Motor Support Bearing Wick Lubricator Oil Filler
EMD's New Brass Journal Box Thrust Block Offers Savings Of Up To 57%

December 17, 1974

Improved Top Deck Cover Seal For 16-567D And All 645 Engines

December 17, 1974 (Cont'd)

Brake Adjuster Tool
Micropositioner Relay

1975 SUMMARY

January 27, 1975

Spin-On Fuel Filters
Sealing Of Traction Motor Support Bearings From Moisture
Carrier Insert Bearing - 567 Engines
Nylatron Wear Plates For Truck Center Bearings
"SEARCH" Testing Of Throttle Response Panel Output Voltages
Aftercooler Duct Modification Kits Supplied With Utex 567 And 645 Engines

February 25, 1975

Reverser Handle
Piston Carriers
Improved Method Of Testing Cooling System Pressure
Handhole Cover Bolt Torque

March 17, 1975

Cylinder Head Crab Nut Torque - 645 Engines
Oversize Lower Liner Inserts - UTEX Crank-cases
Auxiliary Generator Drive Shaft Guards On GP40-2, SD40-2, SD45-2, GT22, And GT26 Locomotives
EMD Pipe Sealant
Voltage Regulators

April 15, 1975

Cooling Fan Drive Shaft Sheaves SW1000, SW1001, SW1500, SW1504, And MP15 Locomotives
Cooling Fan Guards

May 27, 1975

Coupler Stops - MP15 & MP15AC Locomotives
Application Of 15-Tooth Pinions To Traction Motors
Engine Connecting Rod Inspection

June 23, 1975

Turbocharger Spring Drive Gear
Handrail To Cab Side Wall Mounting Bolt Sealing
Hydraulic Shock Absorbers
Engine Protector Rebuild Kits

July 28, 1975

Support Of Primary Fuel Filter Bypass Valve And Gauge
Valve Bridge Assemblies
Rework Of Piston Pins And Blade Connecting Rods
Checking Air Filter Differential Pressure Switches On Board Locomotives

August 26, 1975

Engine Water Pumps
Conversion Of Six-Spring Air Compressor Discharge Valve To Nine-Spring Type
Engine Water Discharge Elbow

September 8, 1975

Improved, Longer Life Paper Filter Element

October 13, 1975

Spin-On Fuel Filters
Air Compressor Pistons And Rings

October 27, 1975

Wayside Fuel Filtration
New Protective Sleeve For Traction Motor Clasp Connector
Low Water And Crankcase Pressure Detector
Piston Carrier Oil Passage Relocation
Viscous Damper

November 21, 1975

Engine Blower Standardization
Turbocharger Exhaust Inlet Screens
Engine Water Manifold Insert And Sleeve
Engine Idler Gear Stubshaft Replacement
Zinc-Base Coating On Interior Of Diesel Fuel Tanks

December 12, 1975

3:1 Engine Protector For Blower-Type Engines
Engine Protector Water Cutoff Valve And Tube Assembly Replacement
Improved Maintainability -- 18 And 24 KW Auxiliary Generators
Windshield Wiper Motor Piston Seal
Spark Arrestor Exhaust Manifolds
Control Wire Connection At Dynamic Brake Grids

1976 SUMMARY

January 26, 1976 (2L-76)

Publication References
Dynamic Brake Engine Speed
Crankcase Pressure Detectors
Basic Shunting Contactors -- Type 397
Alloy Steel Journal Spring Assembly GP Single Shoe Brake Truck
Improved Design Fuel Oil Preheater
Two-Piece Injector Control Shaft Assemblies
Unit Exchange SCR Bridges
Turbocharger Exhaust Inlet Screens

February 23, 1976 (3L-76)

Sander Hose
Switcher Cab Seat Assemblies 8015857, 8115012, And 8138284

February 23, 1976 (3L-76) (Cont'd)

Static Voltage Regulators 8118653, 8132771,
And 8234628

Cooling System Water Vent Line Hose

Service Data Correction

Headlight Circuitry Improvement

Oil Level In New Departure-Hyatt Group 1
Journal Boxes

Improved Design 7 PSI Cooling System
Pressure Cap

Cab Seat Anti-Theft Device

March 26, 1976 (4L-76)

Improved Top Compression Ring For Use In
645 Chrome Plated Liners

Pressure Drop Readings -- Paper Element
Engine Air Filters

New Carbon Brushes For Dynamic Brake Grid
Blower Motors And Auxiliary Generators

Engine Protector Test Panels

Welding Ground Circuits

Locomotive Coupler Pins

April 30, 1976 (5L-76)

Elimination of "X" Pattern For Cylinder
Head Crab Nut Torquing 645 Engine

New Dynamic Brake Blower Motor Bearing
Application

Wheel Diameter Index Groove

Preventing SA10 Module Failures

Coil Spring Identification

May 20, 1976 (6L-76)

Traction Motor Blower Wheel Blade
Reduction On GP Locomotives

EMD Service Assistance

D32 Constant Pressure Brush Springs

June 7, 1976 (8L-76)

Alloy Steel Journal Springs GP, SD And DD
Locomotives

June 7, 1976 (8L-76) (Cont'd)

TH Module Protection

Engine To Generator Coupling

July 26, 1976 (9L-76)

New Oil Seals Between Overspeed Trip
Housing And Accessory Drive Housing

Air Box Drain Pipe Cleaning

Engine Protectors

Traction Motor Axle Cap - New Mounting
Bolt Washers

August 23, 1976 (10L-76)

Main Bearing Nut-Socket Usage On 567 And
645 Engines

Engine Oil Level-Low Idle Feature

Purchasing And Material Management Seminar

Torquing Head-To-Liner Nuts

Cab Side Window Seal Replacement

September 28, 1976 (11L-76)

Auxiliary Generator And Traction Motor
Blower Assembly Mounting Bolts

Traction Motor Bearing Improvement

Air Compressor Oil Level Float Gauge

Engine Transport Or Storage In Cold Climates

Stationary Arm Rest Pad Kit

October 27, 1976 (12L-76)

Brake Cylinder Piping Clamps On HTC Trucks

New .018" Oversize Head Seat Ring

Troubleshooting Engine Protective Devices

Chrome Liner Piston Ring Sets For Use With
High Sulfur Fuel

Draft Gear Removal Fixture

Thermoplastic Tube Assemblies

December 13, 1976 (13L-76)

Crankshaft Damping Devices

New Design 8-Row Radiator Core