



Phoenix Sales and Service is pleased to offer an alternative source for the repair of your GE Dash Nine Panels. You can count on us to provide high quality repairs that will reduce failure rates helping you to dramatically reduce your cost.

- Repairs performed via approved work scope and test procedures
- Utilizes our compressive automated repair tracking control system, which includes:
 - Part Number and Serial Number
 - Barcoding
 - Warranty Status
 - Worked Performed
 - Parts Replaced
 - Special Customer Requirements
 - Repair status and troubleshooting findings
- Includes consideration of end-of-life component replacement and reliability upgrades
- Provides reports based upon customer demand
- Includes our standard warranty is 12 months



Our goal is to constantly offer innovative ideas for reverse engineering, redesigning and repairing equipment and components to help our customers reduce their costs



Locomotive Product Offering

We offer a large selection of high-quality parts, components and services for the rail industry. By partnering with our clients we can identify opportunities on specific items resulting in reduced costs, shortened lead times, and improved reliability.

Locomotive

Air Conditioning
Armature Rewind Kits
Bearings
Brush Holders and Studs
Bus Bars
Capacitors
Coils
Collector Rings
Compressors
Contactors
Contact Kits and Shunts
Electrical Spares
Field Coils
Fuses
Gaskets/Seals
Gauges
Gears, Pinions and Cases
Hardware
Hoses
Lamps/Lighting/LED
Relays
Resistors and Grids
Speed Sensors
Springs
Traction Motor Parts
Transformers
Wear Plates

Bonded Rubber Products

Bolsters
Bumpers
Chevrons
Hoses
Side Bearers
Traction Motor Supports

Carbon Brushes

Generators
Industrial D.C. Motors
Traction
Wheel Motors

Diesel Engine Parts

Bearings
Bolts Hoses
Camshafts
Crankshafts
Cylinder Heads
Filters
Fuel Injectors
Gaskets Pistons
& Rings
Radiators
Starters
Tools
Valves

Electronic Repair

EMD and GE Electronics
Dash 9 Modules
Dash 9 Screens
Diode Panels
EMD Modules
EMD Fire and Ice Screens
EVO Modules
EVO Screens
EIPM and IPM Repair
Modules
Gate Drivers
GTO Phase Modules
IGBT Modules
Motor Modules

Fuses

Current Limiting
Distribution
Electronic Power
Limiting Semi-
Conductor

Power Semi-Conductors

Diodes GTOs
IGBTs
Rectifiers SCRs
Thyristors

Power Semi-Conductors Assemblies

Diode (RM) Panels
IGBT Panels
Heat Sink Assemblies
SCR Assemblies

Locomotive Electrical and Electronic Repairs

GE/EMD
Controls
Cards/Modules
Contactors
Diode Panels
Display Screens
Gate Drivers
GTO/ IGBT Panels
IPM Units
Motor Modules
Power Supplies
Recorders Relays
Reversers
SCR Panels Speed
Indicators
Switches
Microprocessors
Voltage Regulators

Reverse Engineering Services

Cost Reduction Programs
Partnership Concept
Redesign Capabilities
Reliability Enhancement
Strategic Sourcing