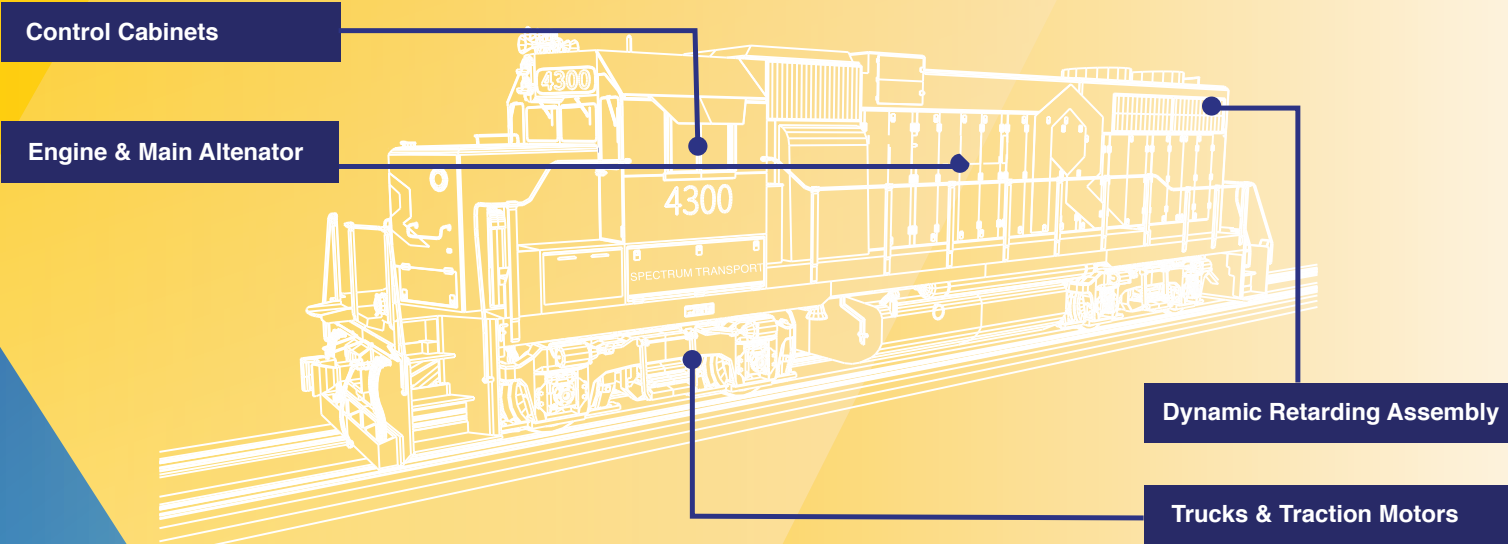
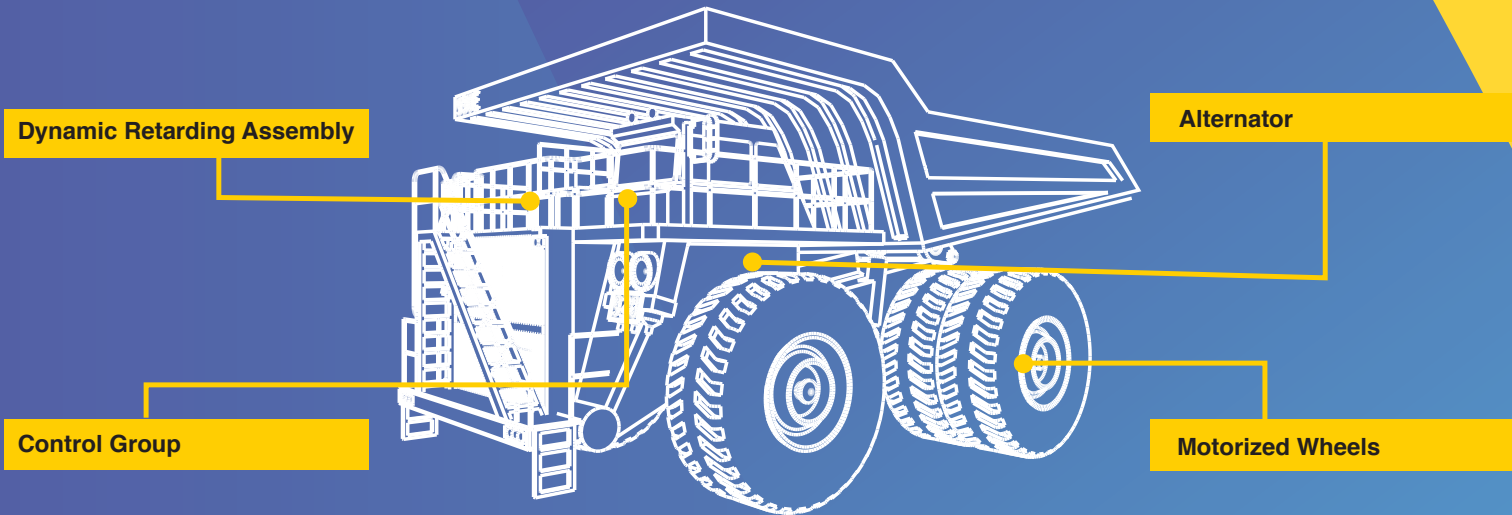


**SPECTRUM**  
TRANSPORT



MINING TRUCKS

LOCOMOTIVE



CARDS AND ELECTRONIC PANELS:

Repair  
New supply  
Remanufactured

CONTROL CABINETS:

Control Wiring  
Diode Panels and Assemblies  
Fuses  
Gate Drivers  
GTO Assemblies  
IGBT Assemblies  
Panels and Connecting Rods  
Phase Modules  
Power Supplies  
Relays  
Resistors  
SCR's  
Sensors  
Switches  
Transformers

CONTACTORS AND REVERSERS:

New Supply  
Remanufactured  
Arc Chutes  
Bus Bar  
Capacitors  
Contactor kits  
Rectifiers

TRACTION MOTORS:

Carbon Brushes  
Armatures  
Brush Holders  
Brush Holder Studs  
Armature Shafts  
Gears  
Sun Pinions  
Hubcaps  
Shunts  
Coils  
Hardware  
Winding Supplies  
Tapes

MAIN ALTERNATORS:

Collector Rings  
Carbon Brushes  
Brush Holders

DYNAMIC RETARDING ASSEMBLY:

Contactors  
Fans  
Grid Resistors  
Heat Sink Assys  
Wiring

OTHERS:

Seals  
Gears  
Cast Assemblies



CARDS AND ELECTRONIC PANELS:

Repair  
New supply  
Remanufactured

ENGINE:

Bearings  
Bolts  
Covers  
Cylinder Heads  
Cylinder Liners  
Fuel Lines  
Injectors  
Pistons  
Piston Crowns  
Piston Rings

TRUCKS:

Bolsters  
Brake Heads  
Bumpers  
Chevrons  
Nose Packs  
Rubber Bushings  
Rubber Springs  
Side Bearers  
Supports

CONTROL CABINETS:

Control Wiring  
Diode Panels and Assemblies  
Fuses  
Gate Drivers  
GTO Assemblies  
IGBT Assemblies  
Panels and Connecting Rods  
Phase Modules  
Power Supplies  
Relays  
Resistors  
SCR's  
Sensors  
Switches  
Transformers

CONTACTORS AND REVERSERS:

New Supply  
Remanufactured  
Arc Chutes  
Bus Bar  
Capacitors  
Contactor kits  
Rectifiers

MAIN ALTERNATORS:

Collector Rings  
Carbon Brushes  
Brush Holders

TRACTION MOTORS:

Carbon Brushes  
Armature  
Rewind Kits  
Brush Holders  
Brush Holder Studs  
Motor Modules

DYNAMIC RETARDING ASSEMBLY:

Contactors  
Fans  
Grid Resistors  
Heat Sink Assys  
Wiring

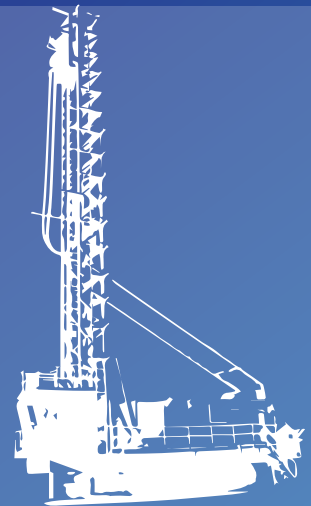
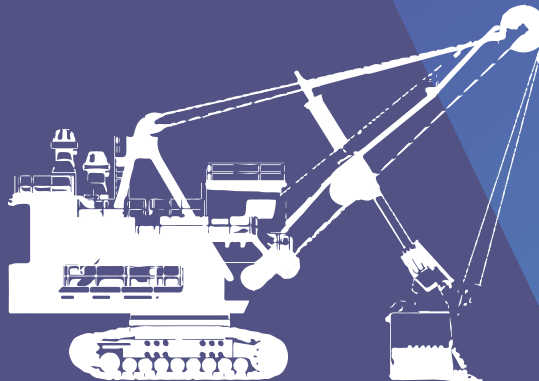
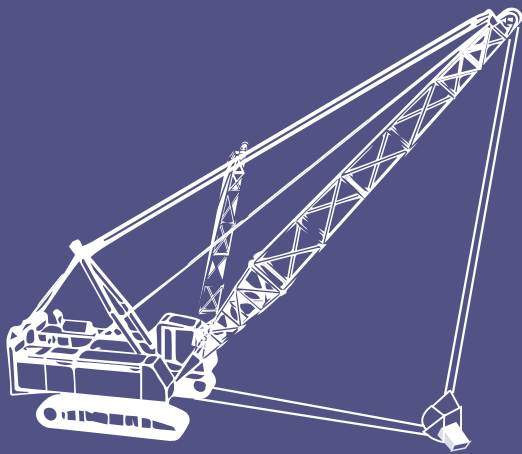
OTHERS:

Seals  
Gears  
Cast Assemblies





# DRAGLINES, SHOVELS & DRILLS



## CARDS AND ELECTRONIC PANELS:

Repair  
New Supply  
Remanufactured

## CONTROL CABINETS:

Control Wiring  
Diode Panels and Assemblies  
Fuses  
Gate Drivers  
GTO Assemblies

IGBT Assemblies  
Panels and Connecting Rods  
Phase Modules  
Power Supplies  
Relays

Resisters  
SCR's  
Sensors  
Switches  
Transformers

## OTHERS:

Seals  
Gears  
Cast Assemblies  
Electric Motors  
Bushings

## ELECTRIC EQUIPMENT:

- GENERAL ELECTRIC • CUTLER HAMMER • SQUARE D • BUSSMANN • ALLEN BRADLEY •
- POWEREX • FERRAZ SHAWMUT • PHILLIPS • WESTINGHOUSE • CYBEREX • LITHONIA •
- RELIANCE ELECTRIC • INTERNATIONAL RECTIFIER • HUBBELL • OHMITE •



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