



## Purchased Part Categorization

Criticality	Low Volume Parts	Medium Volume Parts	High Volume Parts	Other
<p><b>High Critical (Class 1)</b> Highest level of EMD involvement due to: <b>Safety, Field Problems, Production Impact, FMEA RPN</b></p>	<p>Longhood Equipped Cab Equipped Locomotive Final Paint and Test Crankshaft / cams Starters Chopper APC phase controller APC diode assembly APC inductors Traction rectifier Interface module FIRE computer/display, power supply Cab signal - LCR Train management computer Crash hardened memory module Brake systems HVAC Alternator bearing Bogie casting Turbo rotating assembly</p>	<p>Phase modules Modules (DIO, MPU, CPM, DIO300, etc) Traction motor bearing shells Cooling fans Sensors (temp, pressure, current, voltage, speed, etc) Radiators Blowers and fans Axles Gear Cases After coolers Fuel tank</p>	<p>Wheels Traction Motor Coils Brushes Fuel injectors Exhaust valves Lash adjusters Valve bridges Rocker arms Valve rotators Valve keepers Stud diodes Engine and turbo bearings EMD special - contactors, relays, switch gear Roller Support Axle Bearings Traction Motor armature/rotator bearings</p>	<p>Rebuild Engines Rebuild Alternators Rebuild Traction Motors Locomotive Modification Providers</p>
<p><b>Standard Critical (Class 2)</b> Normal IQA and root cause involvement driven by field and plant issues</p>	<p>Guru drain valve Pumps Air compressor EMDEC controller Power supplies Transformers End of train device Distributed power radio module Remote speed indicator Electronic fuel gauge AEI tags Crow bar resistors Precision resistors (&lt;2%)</p>	<p>Shock absorbers Gears Fabrications Brazed assemblies Air reservoir Steering beams Fiber optics Welded/brazed pipes &amp; tubes</p>	<p>Custom Switches Finished Machined Components Critical fasteners Castings and forgings Head-to-liner gaskets Fuel jumpers Steel</p>	<p>Other Rebuild Parts ABU parts for past loco models</p>
<p><b>Commodity (Class 3)</b> Industry process controls for Standard Catalog Parts</p>	<p>Radios Alarm bells Cab appurtenances Refrigerators / ice boxes Antennas Global positioning system Digital video recorder - LVDR Ether net switch PC card reader</p>	<p>Mag valves Circuit breakers Batteries Lights and Light bulbs</p>	<p>Brake shoes Non-critical fasteners Wire / cable Electrical connectors Std. Hose, pipes and fittings Std. Tube and fittings Std. Resistors, diodes Circuit breakers Terminal boards Control rectifiers Catalog switches / contactors Glass</p>	