

EMD Certified Rebuilt Alternators Maximize Fleet Availability

Power, Performance, and Innovation are the driving factors that have made Electro-Motive Diesel the premier provider of locomotive technology for nearly 90 years.

Through its extensive alternator design and manufacturing experience, EMD ensures that these units are rebuilt to current OEM specifications – benefiting from the latest performance upgrades and improvements.

Maintenance time is reduced and locomotive availability increased – making this the most cost effective alternator solution available.



EMD Rebuilt Alternator Benefits



MINIMIZE

- Arc tracking
- Coil grounds
- Infant mortality
- Life cycle costs
- Coil shorts
- Harness failure

MAXIMIZE

- Ground protection
- Reliability
- Insulation life
- Cooling
- Efficiency

Proven Product with Minimal Maintenance

- Incorporates all of the latest OEM engineering improvements and maintenance practices.
- Bearings are maintenance-free.
- Improved insulation system ensures electrical integrity.
- Proprietary OEM coil insulation is used on all stator and rotor rewinds for long service life.
- Latest traction alternator design eliminates the rectifier bank and is free of diodes and fuses.

Built to OEM Specifications

- Bearings are renewed with most reliable, highest quality components.
- Comprehensive electrical testing including surge comparison.
- Rectifier banks are tested and requalified
- Stator core loss is tested.
- Scrap fallout is replaced with new parts.
- Repair history is tracked to ensure overhauls are regularly done every twelve years – replacing the insulation and bearings.

Extend Your Alternator's Life

- Renew collector bank brushes every twelve months.
- Grease bearings every six years.
- Renew fuses and diodes every ten years.
- Send to EMD for overhaul every twelve years.



OEM alternator stator and rotor coil assemblies take advantage of proprietary EMD materials, components, and rebuild processes to ensure maximum performance and consistent reliability.



EMD Alternator Rebuild Program Advantages

Logistics have been streamlined for the most efficient turnaround time. Returns can be sent directly to our remanufacturing facility.

Service can include establishing pools of material staged in the locations you need to meet the demands of your operations. Programs can be developed to manage your specific fleet requirements.

Quality backed by decades of experience and product service around the world, in various environments, duty-cycles, and operations. EMD rebuilt alternators deliver durability, power, and performance that is second to none.

Features that raise the bar on reliability, innovation, and cost-effectiveness – maximizing your return on investment. Proprietary enhancements are integrated directly into our rebuild products, taking advantage of the latest OEM engineering advancements developed for new locomotives.