Global Field Services & Repair

Component Reconditioning Education Technical Support

Wabtec's Global Field Services & Repair teams are focused on meeting the ever-changing needs of the rail industry.

We take pride in our ability to offer top-quality maintenance solutions that quickly restore performance.

With over 130-years-experience, we offer the finest in reconditioning and upgrade service, including pneumatic repair, electro-mechanical repair, as well as inventory management, and a variety of software solutions that facilitates the real-time capture and analysis of data.

Global Field Services & Repair

Component Reconditioning

Wabtec's reputation for developing advanced equipment for freight cars is unsurpassed. No other supplier has more experience or has made more distinguished contributions in this sensitive, complex, and strategic area. Reconditioning services are performed at the Wabtec service locations listed below:

	Chicago, IL	Columbia, SC	Kansas City, MO	Chillicothe, OH	Montreal, Canada	San Luis Potosi, Mexico	Contagem, Brazil	Kempton Park, South Africa	Maputo, Mozambique	Rydalmere, Australia
Control Valves										
ABD, ABDW, ABDX & DB		•	•		•	•	•	•	•	•
Upgrades – Stabilization, Leakage & Vibration Protection		•	•		•	•	•	•		•
AB Related Equipment										
Angle Cocks, End Cocks, Dirt Collectors, Retaining Valves		•	•		•	•	•		•	•
Vent Valves (#8, VX, KM2)		•	•		•	•	•		•	•
Empty and Load Valves (P-1, S-1, SC-1U, ELX, L-1)		•	•		•	•	•		•	•
Brake Cylinders, Piston Assemblies		•	•		•	•	•		•	•
Freight Car Air Test Devices		•	•		•	•	•			•
Other Components										
Draft Gear (Mark series, Crown and TF-880)	•									
Truck Mounted Brakes (WabcoPAC, TMX & UBX)	•	•								•
Slack Adjusters	•	•			•	•	•	•	•	•
End of Car Cushioning (FMI, KRE, AHO)			•							
Wheel chocks				•		•				

Wabtec Freight Car Components & Services Catalog

Global Field Services & Repair

Education and Technical Support

Wabtec offers comprehensive training seminars and material geared toward educating rail personnel on the operation and maintenance of rail equipment.

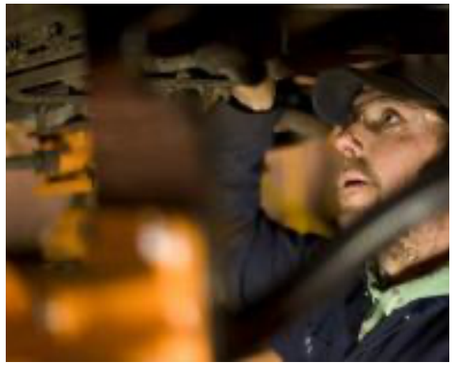
Annual training classes are held at our Wilmerding, Pennsylvania facility in the spring and fall. In addition to freight car classes, locomotive offerings are also available.

Freight Air Brake Training Class

This training class focuses on the fundamentals of freight train air brakes, per AAR S-486, to include the history of freight car air brakes to current innovative designs. The course covers air brake component identification and function and culminates in a demonstration on the 250-car test rack. The course is highly recommended for design engineers, air brake superintendents/supervisors and anyone involved in training functions.

Books and Materials

Wabtec offers a wide variety of material geared toward educating rail personnel on the operation and maintenance of rail air brake equipment.



On-Site Training / Field Services

Our on-site training classes are presented by experienced Federal Railroad Administration (FRA) Designated Instructors. In addition to Operational Training, Maintenance Training, Calibration, Tester Upgrades & Service, our courses include:

Single Car Air Brake Certification Training
The Federal Railroad Administration (FRA) has approved Wabtec's training program as required by Title 49 Code of Federal Regulations (49 CFR) Part 243, training, qualification, and oversight for safety-related railroad employees.

Freight Car Air Brake Test in Compliance with S-486/S-4027
Certification training provided for both manual and automated single car testing focused on:

- Single Car Air Brake Component Identification and Function
- Daily Test, Single Car Test and Special Tests
- Review AAR S-486 Single Car Air Brake Test Procedures
- Hands-on Single Car Air Brake Test and Daily Test

Shoe Force Testing
Wabtec will provide test equipment and expertise to perform shoe force testing on customer equipment in full compliance with AAR Standard S-401.

M-214 Sideframe & Bolster Technical Service & Training
Includes a detailed review of Barber maintenance specifications, AAR M-214 requirements, interchange rules, hands-on inspection, and proper gauging.

Automated Single Car Test Device for 4-Port and traditional end of car testing.
The ASCTD offers significant time and cost savings compared to the traditional way single car tests are performed manually. It's scalable to accommodate future upgrades including ECP testing, and its fundamental accuracy in air brake testing improves the road reliability of every car tested.

Product Installation & Commissioning

- Pre-sale assistance with product selection to meet unique operational or regulatory requirements
- Product application assistance during railcar construction
- Commissioning support and testing as required for deployment into service
- Inspection and evaluation of sample cars

Service & Product Support

- Dedicated Technical Service & Support email WAB-TechService@wabtec.com is monitored by product specialists to assist
- Customer field assistance
- Routine repair shop, yard and ramp visits
- Follow-up evaluation of proposed maintenance
- Measurement and evaluation of car conversions
- Issue investigation & mitigation

Product Training

- Auto-rack equipment training for pre-trip, loading, and unloading ramp facilities
- On-site product training customized to meet customer needs