

Heavy Vehicle and Mobile Equipment Service Technicians

SOC: 49-3040 • Career Profile Report

■ Key Facts

\$62,740

Median Salary

245,600

Employment

+6.0%

Growth Rate

■ Requirements & Salary Range

Education: High school diploma

■ Automation Risk Assessment

Low Risk - 25.0% probability of being automated in the next 10-20 years.

This job is relatively safe from automation due to its creative, social, or complex problem-solving requirements.

■ Work-Life Balance

6.4/10 - Good work-life balance

■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	8.8/10	Investigative	7.4/10
Artistic	4.4/10	Social	5.6/10
Enterprising	4.6/10	Conventional	6.4/10

■ Top Skills Required

Dexterity, Mechanical skills, Organizational skills, Physical strength, Troubleshooting skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Heavy Vehicle and Mobile Equipment Service Technicians typically perform the following tasks:

- Repair and replace damaged or worn parts.
- Test mechanical products and equipment after repair or assembly to ensure proper performance and compliance with manufacturers' specifications.
- Operate and inspect machines or heavy equipment to diagnose defects.
- Read and understand operating manuals, blueprints, and technical drawings.
- Dismantle and reassemble heavy equipment using hoists and hand tools.
- Overhaul and test machines or equipment to ensure operating efficiency.
- Adjust, maintain, and repair or replace subassemblies, such as transmissions and crawler heads, using hand tools, jacks, and cranes.
- Repair, rewire, and troubleshoot electrical systems.
- Diagnose faults or malfunctions to determine required repairs, using engine diagnostic equipment such as computerized test equipment and calibration devices.
- Examine parts for damage or excessive wear, using micrometers and gauges.
- Weld or solder broken parts and structural members, using electric or gas welders and soldering tools.
- Research, order, and maintain parts inventory for services and repairs.
- Fit bearings to adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment.
- Schedule maintenance for industrial machines and equipment, and keep equipment service records.
- Clean, lubricate, and perform other routine maintenance work on equipment and vehicles.
- Assemble gear systems, and align frames and gears.
- Clean parts by spraying them with grease solvent or immersing them in tanks of solvent.
- Adjust and maintain industrial machinery, using control and regulating devices.
- Fabricate needed parts or items from sheet metal.
- Direct workers who are assembling or disassembling equipment or cleaning parts.

*Generated by StartRight • Data from U.S. Bureau of Labor Statistics & O*NET*

Source: <https://www.bls.gov/ooh/installation-maintenance-and-repair/heavy-vehicle-and-mobile-equipment-service-technicians.htm>