

Automotive Service Technicians and Mechanics

SOC: 49-3023 • Career Profile Report

■ Key Facts

<div>\$49,670</div> <div>Median Salary</div>	<div>805,600</div> <div>Employment</div>	<div>+4.0%</div> <div>Growth Rate</div>
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■ Requirements & Salary Range

Education: Postsecondary

■ 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

5.2/10 - Fair 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

Customer-service skills, Detail oriented, Dexterity, Mechanical skills, Physical strength, Problem-solving skills

✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

■ Challenges

- Burnout Risk
- Rapid Technological Change

■ What They Do

Automotive Service Technicians and Mechanics typically perform the following tasks:

- Inspect vehicles for damage and record findings so that necessary repairs can be made.
- Test drive vehicles and test components and systems, using equipment such as infrared engine analyzers, compression gauges, and computerized diagnostic devices.
- Test and adjust repaired systems to meet manufacturers' performance specifications.
- Repair, reline, replace, and adjust brakes.
- Review work orders and discuss work with supervisors.
- Estimate costs of vehicle repair.
- Confer with customers to obtain descriptions of vehicle problems and to discuss work to be performed and future repair requirements.
- Align vehicles' front ends.
- Align wheels, axles, frames, torsion bars, and steering mechanisms of automobiles, using special alignment equipment and wheel-balancing machines.
- Tear down, repair, and rebuild faulty assemblies, such as power systems, steering systems, and linkages.
- Perform routine and scheduled maintenance services, such as oil changes, lubrications, and tune-ups.
- Plan work procedures, using charts, technical manuals, and experience.
- Follow checklists to ensure all important parts are examined, including belts, hoses, steering systems, spark plugs, brake and fuel systems, wheel bearings, and other potentially troublesome areas.
- Maintain cleanliness of work area.
- Change spark plugs, fuel filters, air filters, and batteries in hybrid electric vehicles.
- Repair and service air conditioning, heating, engine cooling, and electrical systems.
- Disassemble units and inspect parts for wear, using micrometers, calipers, and gauges.
- Test electronic computer components in automobiles to ensure proper operation.
- Overhaul or replace carburetors, blowers, generators, distributors, starters, and pumps.
- Repair or replace parts such as pistons, rods, gears, valves, and bearings.

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

Source: <https://www.bls.gov/ooh/installation-maintenance-and-repair/automotive-service-technicians-and-mechanics.htm>