

SKILLED WORKER: AUTOMOTIVE ELECTRICIAN



What do Automotive Electricians do?

- Read service orders, technical drawings and specifications.
- Sketch electrical circuit diagrams and complete reports.
- Install, service and repair faults on all electronically controlled vehicle systems such as ignition, fuel injection, automatic transmission, cruise control and air conditioning.
- Install, service and repair electrical equipment such as gauges, lighting, alternators and starter motors.
- Install, service and repair electrical accessories such as radios, driving lamps and safety and security systems.
- Use meters, test instruments and circuit diagrams to diagnose and troubleshoot electrical faults.
- Diagnose and adjust engine control systems and timing.
- Service and repair faulty generators and batteries.
- Diagnose and service electronic diesel engine systems.

Automotive Electricians install, maintain and repair electrical wiring and computerised equipment in vehicles. They also identify and troubleshoot electrical faults.

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Where do Automotive Electricians Work?

- ~ motor vehicle dealers, garages, automotive specialty shops, service stations, transportation companies, automotive electrical workshops

Skills and Personal Characteristics:

- Enjoy practical hands-on work
- Good computer skills
- A careful and methodical approach to work
- Able to work independently or on a team
- Have mechanical ability and an interest in vehicles
- Good manual dexterity and hand/eye coordination
- Able to read electrical wiring diagrams
- Good organisational and problem solving skills
- Good spoken communication skills
- Good eyesight and colour vision

What are the Working Conditions?

- May work indoors at work benches or outdoors performing roadside repairs
- Work is sometimes noisy and dirty
- May work with motor vehicle mechanics
- May be heavy lifting
- May have contact with customers
- Personal Protective Equipment required



Related Industry Occupations:

- ~ Diagnostic Technician
- ~ Light Engine Mechanic
- ~ Electrotechnology Technician
- ~ Electrician
- ~ Cable Jointer