

MOTOR MECHANIC

Motor mechanics service, repair and overhaul the mechanical parts of motor vehicles such as the engine, the transmission (clutch, gearbox and differential), and the suspension systems (springs, steering, brakes, wheels and tyres).

They may also work on earthmoving equipment, agricultural machinery, boat engines and motor cycles.

Typical Duties:

- Discuss problems with car drivers or vehicle operators to discover faults, listen to engines, fit and operate special test equipment and test drive vehicles
- Repair or replace worn and faulty parts by removing assemblies such as engines, transmissions, differentials or steering gear; dismantle them and check parts, referring to manuals as necessary
- Reassemble, test, clean and adjust repaired or replaced parts or assemblies, use various instruments to make sure they are working properly and put them back into the vehicle
- Tune engines using special electronic equipment and make fine adjustments, e.g. to carburettors for smoother running
- Diagnose, repair and replace engine management/fuel injection components
- Use Oxy, electric, TIG and MIG welders
- Test and repair electrical systems such as lighting, instrumentation, ignition and electronic fuel injection
- Inspect vehicles and issue roadworthiness certificates or list the work required before a certificate can be issued

Ideal Personal Requirements to gain an Apprenticeship:

- Able to work with hand tools
- Able to read and interpret technical information from service manuals
- Problem-solving skills
- Physical fitness
- Normal eyesight and hearing
- Driver's licence is essential
- Entry requirements may vary but, generally, you need at least the successful completion of Year 10/11, including maths
- Having completed some work experience or study (VET/pre-apprenticeship program) in this industry is highly recommended

Education and Training to become qualified:

- Complete a 4year apprenticeship
- Trade school training is 'off the job' at a Trade training facility

