



Australian Government

Assessment Requirements for AURTTA027 Carry out basic vehicle servicing operations

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- correctly perform basic servicing operations on a minimum of two different operational vehicles.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- key aspects of work health and safety (WHS), occupational health and safety (OHS) and environmental requirements relating to basic vehicle servicing operations, including:
 - use of personal protective equipment, including safety glasses, ear protection and safety footwear
 - use of hand tools and lifting equipment
 - safety data sheets (SDS) and procedures for handling, storing and disposing of used oil, lubricants, coolants, transmission and brake fluids
 - reasons for servicing vehicles
- basic vehicle servicing procedures, including:
 - servicing the engine:
 - checking for leaks, worn or loose fittings, cracks or other damage
 - changing the engine oil
 - changing the oil filter
 - servicing the drive belt:
 - checking for cracks, fraying, oil soaking and glazing at the belt to pulley contact area
 - adjusting the belt
 - servicing the cooling system:

- checking for leaks, signs of corrosion, damaged or cracked hoses, worn or loose fittings
- topping up the coolant
- servicing transmission and final drive systems:
 - checking for leaks, worn or loose fittings, cracks or other damage
 - checking and topping up transmission and final drive lubricant level
 - topping up the clutch master cylinder fluid
- servicing the tyres and suspension and steering system:
 - checking for leaks, splits in rubber boots, worn or loose fittings, and tyre wear
 - adjusting air pressure
 - lubricating ball joints
 - topping up power steering reservoir fluid
- servicing the fuel system:
 - checking for leaks, worn or loose fittings, cracks or other damage
 - replacing air filters
- servicing the electrical system:
 - checking the lighting system
 - checking and topping up the battery
- servicing the brakes:
 - checking for leaks, wear, excessive heat damage, cracks or other damage
 - topping up the master cylinder fluid
- other tasks, including checking:
 - windscreen wipers
 - windscreen washers (fluid level)
 - heating, ventilation and air-conditioning (HVAC) operation
 - body panels
 - exhaust system
 - mirrors
 - condition of foot pedal rubbers
- hand and power tools and equipment used in vehicle servicing
- work area clean-up and maintenance requirements.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles that they have serviced, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive workplace or simulated workplace
- personal protective equipment appropriate to the workplace
- two vehicles for servicing
- automotive hand and power tools and lifting and supporting equipment
- automotive fluids and oils, including:
 - engine oil
 - transmission oil
 - brake fluid.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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