



**Australian Government**

# **Assessment Requirements for AURTTF001 Inspect and service petrol fuel systems**

**Release: 1**

# Assessment Requirements for AURTTF001 Inspect and service petrol fuel systems

## 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:

- inspect and service the petrol fuel systems of two different vehicles or machinery, including replacing their fuel filters.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting and servicing petrol fuel systems, including procedures for working with:
  - stored fuel pressure
  - flammable liquids
- environmental requirements, including procedures for:
  - trapping, storing and disposing of flammable liquids released from fuel systems
  - disposing of filters
- identification, function and basic operation of petrol fuel system components, including:
  - types and applications of fuels, including petroleum and biofuels
  - fuel tank, cap and lines
  - fuel filters
  - fuel pumps, including:
    - mechanical
    - electrical
  - carburettors
  - electronic control unit and sensors

- fuel injection system components
- accelerator pedal or control lever
- air filter and air intake housing and ducting
- inspection procedures for petrol fuel systems, including:
  - inspecting components for damage and leaks
  - inspecting air filter and air intake housing and ducting for blockage or damage
- service and adjustment procedures for petrol fuel systems, including:
  - replacing fuel filter
  - cleaning or replacing air filter and checking air intake housing and ducting for damage
  - checking and adjusting base idle speed as required
  - fuel pressure testing as required
- post-service testing procedures for petrol fuel systems.

## Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the petrol fuel systems that they have worked on, 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 repair workplace or simulated workplace
- workplace instructions
- manufacturer petrol fuel system specifications
- two different vehicles or machinery with petrol fuel systems requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing petrol fuel systems.

## 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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