



**Australian Government**

**Assessment Requirements for AURTTF007  
Overhaul carburettor fuel system  
components**

**Release: 1**

# Assessment Requirements for AURTTF007 Overhaul carburettor fuel system components

## 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:

- overhaul the following carburettor fuel system components:
  - two different multi-barrel carburettors
  - one of the following:
    - single barrel carburettor
    - mechanical fuel pump.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to overhauling carburettor fuel system components, including procedures for using:
  - specialised fuel system component overhaul tools, equipment and machinery
  - chemicals and toxic cleaning substances
- environmental requirements, including procedures for trapping, storing and disposing of fluids from fuel systems
- types, characteristics and operating principles of carburettor fuel systems and associated components
- carburettor fuel system component overhaul procedures, including:
  - methods for cleaning and preparing components for overhaul
  - component dismantling procedures
  - component inspection, measuring and evaluation procedures, including methods for measuring and calculating tolerances and clearances

- component repair and adjustment procedures, including:
  - mechanical fuel pumps
  - single barrel carburettors, including fixed and variable venturi
  - multi-barrel carburettors, including fixed and variable venturi
- component assembly procedures, including procedures for measuring and calculating tolerances, and adjusting components
- post-overhaul testing procedures for carburettor fuel system components.

## 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 carburettor fuel system components 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:

- mechanical repair workplace or simulated workplace
- workplace instructions
- manufacturer carburettor fuel system component specifications
- carburettor fuel system components specified in the performance evidence and requiring overhaul
- tools, equipment and materials appropriate for overhauling and adjusting carburettor fuel system components.

## Links

Companion Volume implementation guides are found in VETNet -

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

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