



**Australian Government**

# **Assessment Requirements for AURTTTC004 Remove and replace radiators**

**Release: 1**

# Assessment Requirements for AURTTTC004 Remove and replace radiators

## 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 and safely remove and replace the radiators of at least two different vehicles or engine assemblies.

## 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, including:
  - use of personal protective equipment, including safety glasses, ear protection and safety footwear
  - use of automotive hand tools and lifting equipment
  - safety data sheets (SDS) and procedures for handling and disposing of used coolant
- types, application and basic operation of radiators, including:
  - vertical flow radiators
  - cross flow radiators
  - cooling system coolants and additives
  - radiator hoses and clamps
- radiator removal procedures, including procedures for catching and storing engine coolant
- radiator and associated component inspection procedures
- radiator replacement procedures, including:
  - calculating coolant system filling and additive concentration
  - coolant system bleeding
- 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 where they have removed and replaced radiators, 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 motor vehicles or engine assemblies with engines with a liquid cooling system
- automotive hand tools and special equipment, including cooling system pressure tester.

## 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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