



**Australian Government**

# **Assessment Requirements for AURLTA101 Identify automotive mechanical systems and components**

**Release: 2**

## Assessment Requirements for AURLTA101 Identify automotive mechanical systems and components

### Modification History

Release	Comments
Release 2	This version first released with the Automotive Retail, Service and Repair Training Package Version 7.0.  Updated to resolve typographical errors.
Release 1	This version first released with the Automotive Retail, Service and Repair Training Package Version 6.0

### Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- identify, locate and check of the operation of the following vehicle mechanical systems while carrying out required workplace activities:
  - engine systems
  - transmission and drivetrain
  - steering system
  - suspension system
  - fuel system
  - cooling system
  - braking system
  - exhaust system.

### Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- work health and safety (WHS) requirements relating to the identification of vehicle mechanical systems and components, including procedures for:
  - selecting and using personal protective equipment (PPE)
  - using tools and equipment
  - following workplace safety procedures
- basic theory and principles of automotive mechanical systems, including:

- mechanical advantage
- gear ratio
- hydraulics
- pneumatics
- identification, function and basic operation of vehicle mechanical systems and components, including:
  - engine systems
  - transmission and drivetrain
  - steering system
  - suspension system
  - fuel system
  - cooling system
  - braking system
  - exhaust system
- basic automotive terminology relating to mechanical systems.

## Assessment Conditions

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 vehicles or machinery 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 workplace or simulated workplace
- workshop or task instructions
- information regarding basic mechanical principles and fundamentals
- information regarding vehicle mechanical systems and components
- workplace safety equipment, including PPE
- vehicle or a range of automotive mechanical systems and components
- automotive tools and equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## Links

Companion Volume Implementation Guide is found on VETNet -

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