



Australian Government

Assessment Requirements for AURLTA001 Identify automotive mechanical systems and components

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:

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

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to identifying vehicle mechanical systems and components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and equipment
 - working safely
- 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
- automotive terminology relating to mechanical 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 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.

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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