



Australian Government

Assessment Requirements for AURVTN006 Remove and replace mechanical units during vehicle repair

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 standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- remove and replace three of the following mechanical units on two different vehicles:
 - suspension parts and components
 - steering parts and components
 - final drive assembly
 - engine cross member or cradle
 - exhaust system
 - radiator.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to removing and replacing mechanical units during vehicle repair, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manual handling and storage techniques
 - using tools and equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials and vehicle fluids released during process
- types and layout of hard copy and electronic service and repair manuals, including from:
 - original equipment manufacturer (OEM)
 - component supplier
- removal and replacement procedures for mechanical units, including:

- correct use of tools, materials and safety equipment
- removal and replacement methods and techniques
- brake system fluids and bleeding processes, including anti-lock braking (ABS) systems
- types and functions of mechanical units, including:
 - suspension parts and components
 - steering parts and components
 - final drive assembly
 - engine cross member and cradle
 - exhaust system
 - radiator
- licence requirements associated with removal procedures, including:
 - air conditioning requirements
 - liquefied petroleum gas (LPG) requirements
- procedures for final inspection of fitted mechanical units.

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 mechanical units and assemblies that they have removed and replaced during vehicle repair, 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
- OEM specifications for mechanical units
- two different vehicles requiring the mechanical units specified in the performance evidence to be removed and replaced
- tools, equipment and materials appropriate for removing and replacing mechanical units, including required PPE.

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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