



Australian Government

AURVTV001 Remove, replace and test non-electrical vehicle components and accessories

Release: 1

AURVTV001 Remove, replace and test non-electrical vehicle components and accessories

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove, replace, fit and test non-electrical vehicle components and accessories. It involves preparing for the task, selecting and using specialist tools and equipment, removing, installing and testing non-electrical components and accessories during vehicle servicing or vehicle repair, and completing workplace processes and documentation.

It applies to those working in the automotive service and repair industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Vehicle Body

Unit Sector

Technical - Accessories

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to remove, replace and test non-electrical components and	1.1 Job requirements are determined from workplace instructions 1.2 Manufacturer specifications and workplace instructions are sourced and interpreted 1.3 Hazards associated with the work are identified and risks are

Elements	Performance Criteria
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accessories	managed 1.4 Tools and equipment, including personal protective equipment (PPE), are identified and checked for serviceability 1.5 Work is planned to sequence activities, minimise waste, and use time efficiently
2. Remove and replace non-electrical components and accessories	2.1 Work area is prepared and tools and equipment are set up according to workplace procedures and <i>safety and environmental requirements</i> 2.2 Non-electrical components and accessories are identified and removed without causing damage to vehicle or components 2.3 Non-electrical components and accessories are refitted according to manufacturer specifications and workplace instructions
3. Test non-electrical components and accessories	3.1 Test information is accessed and interpreted from manufacturer specifications 3.2 Testing of non-electrical components and accessories is completed according to manufacturer specifications and without causing damage to systems or components
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations and components and accessories are presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 4.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Learning skills to:	locate specifications and relevant information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.

Skills	Description
Oral communication skills to:	- clarify instructions and procedures - clearly report issues or outcomes.
Numeracy skills to:	- interpret data in test results - take measurements accurately and interpret tolerances.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology skills to:	use specialist tools and equipment to remove, replace and test non-electrical components and accessories.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Safety and environmental requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using PPE - handling and storing non-electrical components and accessories - using tools and equipment - environmental requirements, including procedures for trapping, storing and disposing of waste materials.
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Unit Mapping Information

Equivalent to AURVTV2001 Remove, replace, fit and test components and accessories

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURVTV001 Remove, replace and test non-electrical vehicle components and accessories

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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, replace, fit and test three different non-electrical components and accessories, including two of the following:
 - bonnet and boot locking system
 - side window assemblies
 - door key locks
 - wiper blade assemblies
 - seat assemblies.

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, replacing and testing non-electrical vehicle components and accessories, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - handling and storing non-electrical components and accessories
 - using tools and equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- vehicle manufacturer specifications and repair and service manuals
- removal, replacement and testing methods and techniques, including:
 - type and use of components and accessories

- procedures to remove, replace, fit and test a range of non-electrical components and accessories
- procedures for final inspection and testing of fitted non-electrical components and accessories.

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 non-electrical components that they have removed, replaced and tested, e.g. work 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
- vehicle manufacturer specifications and repair and service manuals
- PPE required to remove, replace and test non-electrical vehicle components and accessories
- vehicles requiring the non-electrical components and accessories specified in the performance evidence to be removed, replaced and tested
- tools, equipment and materials appropriate for removing, replacing and testing non-electrical vehicle components and accessories.

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