



Australian Government

AURVTN004 Remove, replace and align bolt-on vehicle body panels and components

Release: 1

AURVTN004 Remove, replace and align bolt-on vehicle body panels and components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove, reassemble and align vehicle body panels as part of vehicle body repair activities. It involves preparing for the task, selecting and using specialist tools and equipment, following original equipment manufacturer (OEM) or authorised agency specifications and workplace procedures, carrying out a final alignment inspection, and completing workplace processes and documentation.

It applies to those working in the automotive body 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 - Body

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 align bolt-on vehicle body panels and components	1.1 Job requirements are determined from workplace instructions 1.2 Removal, replacement and alignment methods are determined from workplace procedures and vehicle specifications 1.3 Hazards associated with the work are identified and risks are

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	managed 1.4 Tools and equipment, including personal protective equipment (PPE), are identified and checked for serviceability 1.5 Vehicle and work area are prepared according to workplace procedures 1.6 Work is planned to minimise waste
2. Carry out removal, replacement and alignment activities	2.1 <i>Bolt-on body panels</i> and components are removed according to vehicle specifications and <i>safety requirements</i> 2.2 Removed parts are tagged and stored according to workplace procedures 2.3 Bolt-on panels and components are replaced using approved <i>processes</i>, sealants, materials and equipment 2.4 Bolt-on panels and components are aligned without causing damage to vehicle or components
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and vehicle is presented ready for use 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 3.3 Tools and equipment are checked and stored according to workplace procedures 3.4 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.
Oral communication skills to:	- clarify instructions and procedures - clearly report issues, defects and outcomes.
Numeracy skills to:	use mathematical operations including addition and subtraction,

Skills	Description
	- to calculate alignment measurements • set tools and equipment • interpret and record numerical information accurately.
Planning and organising skills to:	• plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Problem solving skills to:	• identify repair problems and avoid rework and waste.
Technology skills to:	• use tools and measuring equipment.

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>Bolt-on panels</i> must include:	• guards • doors and door components • bonnets • boot lids • bumper bars • light assemblies • body mouldings and badges.
<i>Safety requirements</i> must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: • selecting and using PPE • manually handling vehicle panels and components • using tools and equipment.
<i>Processes</i> must include:	• removal and replacement techniques • gap measuring and panel alignment • headlight aiming.

Unit Mapping Information

Equivalent to AURVTN2004 Remove, replace and realign bolt-on panels, sections and fittings

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 AURVTN004 Remove, replace and align bolt-on vehicle body panels and components

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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 and align bolt-on body panels and components on four different vehicles, in which the work must involve one combination of three adjoining vehicle bolt-on panels and components.

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 aligning bolt-on vehicle panels and components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manually handling vehicle panels and components
 - using tools and equipment
- location and content of accessing vehicle specifications
- removal, replacement and alignment methods and techniques, including:
 - measuring bolt-on panel gaps
 - electronic warning sensors
 - tagging and storing bolt-on panels and components
 - panel sealant and application
 - headlight and panel alignment techniques
- procedures for protecting vehicle and components during removal, replacement and alignment work, including protecting electrical, electronic and mechanical systems
- procedures for final inspection of fitted bolt-on panels and components.

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 bolt-on panels and components that they have removed, replaced and aligned, 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
- vehicle manufacturer specifications
- four different vehicles requiring the removal, replacement and alignment of bolt-on panels, sections and components
- bolt-on body panels and components
- tools, equipment and materials appropriate for removing, replacing and aligning bolt-on panels and components, including required PPE.

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