



Australian Government

AURVTN104 Remove, replace and align bolt-on vehicle body panels and components

Release: 1

AURVTN104 Remove, replace and align bolt-on vehicle body panels and components

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

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

The unit 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.

Unit Sector

Vehicle Body Technical - Body

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to remove, replace and align bolt-on vehicle body panels and components	1.1 Determine job requirements from workplace instructions 1.2 Determine removal, replacement and alignment methods from workplace procedures and vehicle specifications 1.3 Identify hazards associated with the work and manage risks 1.4 Identify and check tools and equipment for serviceability 1.5 Prepare vehicle and work area according to workplace procedures 1.6 Plan work to minimise waste

ELEMENTS	PERFORMANCE CRITERIA
2. Carry out removal, replacement and alignment activities	2.1 Remove bolt-on body panels and components according to vehicle specifications and safety requirements 2.2 Tag and store removed parts according to workplace procedures 2.3 Replace bolt-on panels and components using required processes, sealants, materials and equipment 2.4 Align bolt-on panels and components without causing damage to vehicle or components
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 Complete documentation according to workplace procedures

Foundation Skills

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

SKILL	DESCRIPTION
Learning	• Locates required sources of information efficiently • Develops a sequenced plan for a specific task.
Numeracy	• Uses mathematical operations including addition and subtraction, to calculate alignment measurements • Sets tools and equipment • Interprets and records numerical information.
Oral communication	• Clarifies instructions and procedures • Reports quality issues and job outcomes clearly.
Planning and organising	• Plans own work requirements • Prioritises actions to achieve required outcomes • Ensures tasks are completed within workplace timeframes.
Technology	• Uses tools and measuring equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTN004 Remove, replace and align bolt-on vehicle body panels and components.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURVTN104 Remove, replace and align bolt-on vehicle body panels and components

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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:

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

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:

- methods to locate and interpret information required to remove, replace and align bolt-on vehicle body panels and components, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to remove, replace and align bolt-on vehicle body panels and components, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) 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
- bolt-on panels and components, including:
 - guards
 - doors and door components
 - bonnets
 - boot lids
 - bumper bars
 - light assemblies
 - body mouldings and badges
- 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
 - gap measuring
 - 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

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.

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

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