



Australian Government

AURVTS001 Fabricate wooden components for vehicles

Release: 1

AURVTS001 Fabricate wooden components for vehicles

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to fabricate wooden components, plugs or moulds for use on vehicles with wooden body frames or parts, using wood material and templates. It involves preparing for the task, selecting and using wood materials and wood working equipment to fabricate wooden components, and completing workplace processes and documentation.

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

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

Competency Field

Vehicle Body

Unit Sector

Technical – Fabrication

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 fabricate wooden component	1.1 Job requirements are determined from workplace instructions 1.2 Materials are selected and inspected for quality 1.3 Hazards associated with the work are identified and risks are managed 1.4 <i>Wood working tools and equipment</i> and personal protective

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	equipment (PPE) are selected and checked for serviceability 1.5 Work area is prepared and work is planned to identify fabrication techniques, minimise waste, and use time efficiently
2. Fabricate wooden component	2.1 Drawings and specifications are interpreted and measurements taken to prepare templates to fabricate component 2.2 Wooden component is fabricated using appropriate techniques and adhesives according to workplace instructions and <i>safety and environmental requirements</i> , and without causing damage to equipment or machinery
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and component 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, reported if faulty, 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 quality issues and job outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition and subtraction, to calculate: - template measurements from drawings and specifications - quantities of required materials.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within

Skills	Description
	workplace timeframes.
Technology skills to:	use specialist wood working tools and 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>Wood working tools and equipment</i> must include:	- measuring equipment - hand tools - machine wood working equipment - gluing and screwing equipment.
<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 - using safety data sheets (SDS) for adhesives - handling and storing wooden components - using tools and equipment - environmental requirements, including procedures for storing and disposing of waste materials and adhesives.

Unit Mapping Information

Equivalent to AURVTS3001 Carry out wood working operations for fabrication

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 AURVTS001 Fabricate wooden components for vehicles

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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:

- fabricate two of the following wooden vehicle components:
 - plugs
 - seat frame
 - door frame
 - timber dash panel.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to fabricating wooden components for vehicles, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using safety data sheets (SDS) for adhesives
 - handling and storing wooden components
 - using tools and equipment
- environmental requirements, including procedures for storing and disposing of waste materials and adhesives
- wood fabrication procedures and techniques, including:
 - types and application of wood working tools and equipment
 - types and features of wood
 - types and application of adhesives
 - measuring techniques
 - patterns and template development

- procedures for final inspection of fabricated wooden component.

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 wooden components they have fabricated for vehicles, 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
- PPE required for wood working
- SDS for adhesives
- materials relevant to fabrication of wooden components
- wooden vehicle components specified in the performance evidence requiring fabricating
- tools, equipment and materials appropriate for fabricating wooden components for vehicles.

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