



Australian Government

AURVTT019 Fabricate and install automotive and marine frames, canopies and side curtains

Release: 1

AURVTT019 Fabricate and install automotive and marine frames, canopies and side curtains

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to measure, mark out and cut, fabricate and install automotive and marine frames, canopies and side curtains to manufacturer specifications and customer instructions. It involves preparing for the task, selecting and using specialist tools and equipment, selecting materials and checking their quality, and completing workplace processes and documentation.

It applies to those working in the automotive and marine trimming industry.

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

Competency Field

Vehicle Body

Unit Sector

Technical - Trimming and Upholstery

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 for fabrication	1.1 Job requirements are determined from workplace instructions 1.2 Frame, components and materials are selected and inspected for quality 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 selected and checked for serviceability 1.5 Work is planned to minimise waste and use time efficiently
2. Undertake fabrication and installation activities	2.1 Material is measured, marked out and cut according to job requirements and workplace instructions 2.2 Specialist tools and equipment are used according to <i>safety and environmental requirements</i> 2.3 Frame, canopies and side curtains are fabricated and assembled according to job requirements, workplace procedures, and safety and environmental requirements 2.4 Frame, canopies and side curtains are installed and fastened according to workplace procedures and without causing damage to vehicle, vessel or components 2.5 Installation and fastening are checked for correct operational requirements
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and vehicle or vessel 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 appropriate sources of 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.

Skills	Description
Numeracy skills to:	- use basic mathematical operations, including addition and subtraction, to calculate: - quantities of required materials - fitting measurements.
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.

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>Materials</i> must include:	- adhesives - polyvinyl chloride (PVC) - canvas - aluminium or stainless steel tubing - fasteners - bindings and zippers.
<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 specialist tools and equipment - manual handling components - environmental requirements, including procedures for storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTT3019 Fabricate and install canopies and curtains

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 AURVTT019 Fabricate and install automotive and marine frames, canopies and side curtains

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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 one automotive or marine frame, canopy and side curtain to specifications.

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 and installing automotive and marine frames, canopies and side curtains, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using specialist tools and equipment
 - manual handling components
- environmental requirements, including procedures for storing and disposing of waste materials.
- types of frames, canopies and side curtains, including:
 - materials
 - methods of operation
 - component parts
- type, use and basic maintenance of sewing tools and equipment
- types of materials and consumables and their applications, including:
 - fabrics
 - fasteners
 - adhesives

- methods and techniques for fabricating and installing frames, canopies and side curtains hoods, including:
 - selecting material
 - planning
 - measuring
 - marking out
 - cutting
 - sewing, including:
 - seams
 - attachments
 - bindings, zippers and pockets
 - using adhesives
 - fabricating and assembling frames, canopies and side curtains
 - fitting and fastening
- quality standards relating to fabricating and installing frames, canopies and side curtains
- procedures for protecting vehicle, vessel and components when installing frames, canopies and side curtains
- procedures for final inspection of fabricated and installed frames, canopies and side curtains.

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 frames, canopies and side curtains that they have fabricated and installed, 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 or marine trimming workplace or simulated workplace
- workplace instructions
- PPE required to fabricate and install a frame, canopy and side curtain
- materials to fabricate and install a frame, canopy and side curtain
- automotive or marine vessel or simulated jig requiring frame, canopy and side curtain to be fabricated and installed
- tools, equipment and materials appropriate for fabricating and installing frames, canopies and side curtains.

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