



Australian Government

AURVTT018 Fabricate and install automotive and marine soft top hoods

Release: 1

AURVTT018 Fabricate and install automotive and marine soft top hoods

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to measure, mark out and cut, and fabricate and install vehicle or marine soft top hoods. It involves preparing for the task, selecting and using specialist tools and equipment, selecting materials and checking their quality, fabricating and assembling soft top hoods according to vehicle manufacturer specifications and customer instructions, 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 to fabricate soft top hood	1.1 Job requirements are determined from workplace instructions 1.2 Original equipment manufacturer (OEM) specifications and workplace procedures are accessed and interpreted

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.
	1.3 <i>Materials</i> required to fabricate soft top hoods are selected and inspected for quality 1.4 Hazards associated with the work are identified and risks are managed 1.5 Tools and equipment, including personal protective equipment (PPE), are selected and checked for serviceability 1.6 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 using patterns and templates and according to OEM specifications and workplace instructions 2.2 Specialist tools and equipment are used according to <i>safety and environmental requirements</i> 2.3 Soft top hood is fabricated and assembled according to job requirements, workplace procedures, and safety and environmental requirements 2.4 Soft top hood is installed and fastened according to workplace procedures and without causing damage to vehicle 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.

Skills	Description
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: - 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 - vinyl - fabric - clear plastic - soft top fasteners.
<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 - manually handling materials - environmental requirements, including procedures for storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTT3018 Fabricate and install soft tops hoods

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 AURVTT018 Fabricate and install automotive and marine soft top hoods

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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 and install one vehicle or vessel soft top hood 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 soft top hoods, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using specialist tools and equipment
 - manually handling materials
- environmental requirements, including procedures for storing and disposing of waste materials
- types of hoods and soft tops, including:
 - soft top materials
 - methods of operation
 - component parts
 - types of windows
- type, use and basic maintenance of trimming tools and equipment
- original equipment manufacturer (OEM) specifications relating to soft top hoods
- types of materials and consumables and their applications, including:
 - fabrics
 - fasteners

- adhesives
- methods and techniques for fabricating soft top hoods, including:
 - selecting material
 - planning
 - measuring
 - marking out
 - cutting
 - sewing
 - using adhesives
 - making up and assembling
 - fitting and fastening
- quality requirements relating to fabricating and installing vehicle soft top hoods
- procedures for protecting vehicle and components when installing soft top hoods
- procedures for final inspection of fabricated and installed soft top hoods.

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 vehicle or vessel soft top hoods 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
- OEM procedures to fabricate and install soft top hoods
- PPE required to fabricate and install soft top hoods
- materials to fabricate and install soft top hoods
- one vehicle or vessel requiring a soft top hood to be fabricated and installed
- tools, equipment and materials appropriate for fabricating and installing soft top hoods.

Links

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