



Australian Government

AURVTN112 Install vehicle sunroofs

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Automotive Retail, Service and Repair Training Package Version 7.0. Supersedes and is equivalent to AURVTN012 Install vehicle sunroofs.

Application

This unit describes the skills and knowledge required to position and install sunroofs in vehicles or machinery. It involves preparing for the task, selecting tools and equipment, installing vehicle sunroof to manufacturer specifications and completing workplace procedures and documentation.

It applies to those who undertake routine installation tasks in the automotive service and repair industry.

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

Unit Sector

Vehicle Body Technical - Body

Elements and Performance Criteria

ELEMENT	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 install, vehicle sunroof	1.1 Determine job requirements according to workplace instructions 1.2 Access and interpret original equipment manufacturer (OEM) specifications and product installation instructions 1.3 Select installation option according to identified job requirements 1.4 Identify hazards and environmental issues associated with work tasks, assess potential risks and implement control measures in line with workplace policies and procedures 1.5 Select and source equipment according to job requirements 1.6 Check equipment for serviceability

2. Install and test vehicle sunroof	2.1 Install sunroof according to manufacturer specifications, workplace procedures and safety requirements 2.3 Conduct post-installation testing of sunroof functionality according to workplace procedures 2.4 Test sunroof sealing and adjust where required, in accordance with workplace policies and procedures 2.5 Conduct final inspection and confirm vehicle is ready for use in line with road safety standards
3. Complete work processes	3.1 Clean work area, collect recyclable material and dispose of waste and non-recyclable materials 3.2 Check, tag, and isolate faulty tools and equipment according to workplace procedures 3.3 Store working tools and equipment according to workplace procedures 3.4 Document installation and testing process 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 appropriate sources of information efficiently
Numeracy	uses basic mathematical operations, including addition and subtraction, to measure and mark out templates, panel and trim sections
Oral communication	- clarifies instructions and procedures - clearly reports issues or outcomes.
Reading	- interprets information from manufacturer and technical instructions when seeking specifications and procedures - interprets workplace policies and procedures - interprets text, symbols and diagrams of sunroof installation in manufacturer specifications, fitting instructions and workplace procedures
Writing	legibly and accurately fills out workplace documentation for reports and records
Planning and organising	plans own work requirements and prioritises actions to achieve required outcomes and ensure tasks are completed within workplace timeframes

Problem solving	identifies defects or quality issues, reinforcement requirements and potential problems associated with installing sunroofs
Technology	uses specialised workplace technology, equipment and tools

Unit Mapping Information

Supersedes and is equivalent to AURVTN012 Install vehicle sunroofs.

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 AURVTN112 Install vehicle sunroofs

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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:

- install a sunroof in at least one vehicle

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:

- key work health and safety (WHS) and environmental requirements relating to installing vehicle sunroofs, including those relating to:
 - selecting and using PPE
 - manually handling sunroofs
 - using tools and equipment
 - trapping, storing and disposing of waste materials
 - identifying hazards and controlling risks
- quality standards and specifications relating to installing vehicle sunroof components, including:
 - manufacturer specification
 - road safety standards
 - requirements of Vehicle Standards and modifications
- workplace policies and procedures relating to installing vehicle sunroofs, including:
 - establishing serviceability of equipment
 - documentation requirements
- materials used in the installation of sunroofs, their properties and when to use them, including:
 - sunroof

- templates
- adhesives and sealants
- fasteners
- cleaning materials
- tools and equipment used in the installation of sunroofs, their properties and when to use them:
 - personal protective equipment (PPE)
 - measuring equipment
 - marking out equipment
 - metal or panel cutting equipment
 - vehicle protection equipment.
- operating network electronic control systems and components, including:
 - suitability of sunroof control integration on vehicle controller area network (CAN-bus)
- key sunroof system functionality testing procedures and methodologies, including:
 - electrical equipment testing
 - system and software calibration analysis
 - wiring diagram analysis
- key sunroof installation methods and procedures, including:
 - selecting and using personal protecting equipment (PPE)
 - manually handling tools, equipment and materials safely
 - identifying sunroof specifications and fitting location
 - measuring and marking procedures prior to cutting and filing vehicle sunroof
 - template fabrication techniques
 - panel and trim cutting procedures
 - panel reinforcing methods
 - sunroof sealing and leak testing procedures
 - fitting accessories without implicating or damaging vehicle systems
 - confirming tools and equipment are fit for purpose

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 installation of vehicle sunroofs, 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:

- work sheets, workplace instructions and manufacturing documentation relating to sunroof installation
- workplace policies and procedures
- tools, equipment and materials appropriate for installing and testing sunroof installation process
- PPE required to install vehicle sunroofs.

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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