



Australian Government

AURVTG011 Install side vehicle windows

Release: 1

AURVTG011 Install side vehicle windows

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to fabricate templates for vehicle side windows, mark and cut panels, prepare cut edges, cut glass or perspex, and install the side windows. It involves preparing for the task, selecting and using specialist tools and equipment, selecting materials, checking material quality, sealing and installing side windows according to manufacturer specifications, cleaning and finishing the windows, and completing workplace processes and documentation.

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

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

Competency Field

Vehicle Body

Unit Sector

Technical - Glazing

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.

Elements Elements describe the essential outcomes.	Performance Criteria 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 install side window	1.1 Job requirements are determined from workplace instructions 1.2 Information is accessed and interpreted from manufacturer specifications, workplace procedures, and sealant safety data sheets (SDS) 1.3 Work is planned to minimise waste and use time efficiently 1.4 Vehicle is inspected to ensure there is no prior damage and that all related accessories are operating correctly 1.5 Materials required to install side window are selected and checked for quality 1.6 Hazards associated with the work are identified and risks are managed 1.7 Tools and equipment for making opening and installing side window are selected and checked for serviceability 1.8 Vehicle is protected and safely located according to workplace procedures
2. Fabricate templates	2.1 Accurate measurements of shape and size of side window are taken in order to prepare templates 2.2 Suitable materials and equipment are used to fabricate templates 2.3 Templates are completed according to workplace procedures and without causing damage to vehicle or components
3. Mark out and cut panel for side window	3.1 Template is used to mark out areas on vehicle to be cut 3.2 Window opening is cut in panel using approved methods and equipment according to workplace procedures and safety and environmental requirements 3.3 Panel edges and trim are prepared for installation of side window 3.4 Panels and trim are reinforced as required to comply with vehicle manufacturer specifications and without causing damage to vehicle or components
4. Install side window	4.1 Material to be installed in vehicle side opening is selected and prepared 4.2 Side window is installed to manufacturer specifications using either rubber or direct glazing according to safety and environmental requirements 4.3 Window in panel opening is secured using approved materials
5. Complete work processes	5.1 Final inspection is made to ensure work meets workplace expectations, related accessories are operating correctly, customer is informed of time to wait before driving vehicle, and

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	vehicle is presented ready for use 5.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 5.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 5.4 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 issues or outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition and subtraction, to: - calculate template and panel measurements - cut opening.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Problem solving skills to:	identify quality issues, reinforcement requirements and potential problems associated with cutting opening and installing side windows.
Technology skills to:	use specialist tools and measuring 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:	• side window • panel material • template materials • trim • sealants and adhesives • cleaning agents.
<i>Tools and equipment</i> must include:	• personal protective equipment (PPE) • hand and power tools • measuring equipment • metal cutting equipment • vehicle protection equipment • templates.
<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 tools and lifting equipment • using SDS for sealants • material handling and storage • environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals.

Unit Mapping Information

Equivalent to AURVTG3011 Install side windows

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 AURVTG011 Install side vehicle windows

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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:

- install side windows in two different vehicles.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to installing side vehicle windows, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and lifting equipment
 - using safety data sheets (SDS) for sealants
 - material handling and storage
- environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals
- location and content of side window manufacturer technical information and specifications
- side window installation methods and techniques, including:
 - template production
 - template materials
 - measuring and marking out procedures
 - procedures for cutting windows and panels
 - side window installation procedures
 - type and use of specialist tools and equipment
 - glass and material handling techniques

- type of adhesives and sealants and their application
- potential problems and consequences
- cleaning materials and techniques
- procedures for protecting vehicle and components when installing side vehicle windows
- procedures for final inspection of fitted side windows.

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 task.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicle side windows they have 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 glazing workplace, off-site workplace location or simulated workplace
- workplace instructions
- PPE to be used when installing side windows
- SDS for sealants
- template materials
- metal cutting equipment, and hand and power tools to cut and install side windows
- two different vehicles requiring the installation of a side window
- side windows
- vehicle protection covers
- cleaning agents
- tools, equipment and materials appropriate for installing vehicle side windows.

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