



Australian Government

AURVTG004 Remove and install direct glazed windscreens

Release: 1

AURVTG004 Remove and install direct glazed windscreens

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove and install direct glazed windscreens in a variety of vehicles. It involves preparing for the task, selecting and using specialist tools and equipment, removing the windscreen, applying primers, activators and adhesives, installing the windscreen according to manufacturer specifications, cleaning and finishing it, 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.
1. Prepare for removal and installation of direct glazed windscreen	1.1 Job requirements are determined from workplace instructions 1.2 Removal and installation information is accessed and interpreted from windscreen and vehicle manufacturer specifications, workplace procedures, and safety data sheets (SDS) for primers, activators and adhesives

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.
	1.3 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 and windscreen are selected according to windscreen and vehicle manufacturer specifications, and are inspected for quality 1.6 Hazards associated with the work are identified and risks are managed 1.7 Tools and equipment are selected and checked for serviceability 1.8 Vehicle is protected and safely located according to workplace procedures
2. Carry out removal and installation activities	2.1 Windscreen is removed according to manufacturer specifications, and safety and environmental requirements , and without causing damage to vehicle or components 2.2 Replacement windscreen is installed, bonded and finished according to manufacturer specifications and safety and environmental requirements 2.3 Adhesive is cured according to adhesive manufacturer specifications and timelines, as required
3.. Complete work processes	3.1 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 vehicle 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
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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 adhesive curing times.
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 defects in direct glazed windscreens.
Technology skills to:	use specialist removal and installation 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:	- direct glazing materials, including: - adhesives - activators - primers - cleaning agents.
<i>Tools and equipment</i> must include:	- personal protective equipment (PPE) - specialist tools for removing direct glazed windscreens - lifting assistance tools to help install windscreens.
<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 primers, activators and adhesives - material handling and storage - environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals.

Unit Mapping Information

Equivalent to AURVTG2004 Remove and install direct glazed windscreens

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 AURVTG004 Remove and install direct glazed windscreens

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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:

- remove and install direct glazed windscreens on three 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 removing and installing direct glazed windscreens, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and lifting equipment
 - using safety data sheets (SDS) for primers, activators and adhesives
 - material handling and storage
- environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals
- location and content of windscreen, vehicle manufacturer, and specific workplace technical specifications
- removal and installation methods and techniques for direct glazed windscreens, including:
 - type and use of windscreen specialist tools and equipment
 - windscreen handling techniques
 - adhesive methods
 - potential problems and consequences
- procedures for protecting vehicle and components during windscreen removal and installation
- procedures for final inspection of fitted direct glazed windscreens.

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 direct glazed windscreens they have removed 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 glazing workplace, off-site workplace location or simulated workplace
- workplace instructions
- SDS for primers, activators and adhesives
- PPE required to remove and install direct glazed windscreens
- vehicle manufacturer, windscreen supplier, and specific workplace technical specifications
- windscreens
- three different vehicles or frames requiring windscreens to be fitted using direct glazing
- vehicle protection covers
- cleaning agents
- tools, equipment and materials appropriate for removing and installing direct glazed windscreens.

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