



Australian Government

AURVTG013 Remove and install large vehicle windscreens

Release: 1

AURVTG013 Remove and install large vehicle windscreens

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove and install large vehicle windscreens. It involves preparing for the task, selecting and using specialist tools and equipment, removing the damaged windscreen, cutting a replacement windscreen according to original size, applying adhesives according to manufacturer specifications, cleaning and finishing the windscreen, and completing workplace processes and documentation.

It applies to those working in the automotive glazing service and repair industry. The windscreens include those of large commercial, mining and agricultural vehicles.

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 large vehicle 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 adhesive safety data sheets (SDS)

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 Glazing materials and windscreen are selected according to windscreen supplier 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. Remove large vehicle windscreen	2.1 Windscreen is removed according to manufacturer specifications, safety and environmental requirements , and without causing damage to vehicle or components 2.2 Tools and equipment for windscreen removal and support are used correctly 2.3 Equipment required to work safely at heights is used according to manufacturer specifications and workplace procedures
3. Cut and install large vehicle windscreen	3.1 New windscreen is cut, installed, bonded or sealed, and finished according to manufacturer specifications, and safety and environmental requirements 3.2 Adhesive is cured according to adhesive manufacturer specifications and timeframes, as required 3.3 Installation of windscreen is completed according to workplace procedures and safety requirements, and within accepted workplace timeframes
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations, related accessories are operating correctly, and vehicle is presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 4.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 4.4 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 installation problems and work outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition and subtraction, to calculate: - cutting and fitting measurements - quantities of required materials - interpret numerical information in specifications, and record it accurately.
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 and potential problems associated with removing and installing large vehicle 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:	- manufacturer or windscreen supplier approved adhesives and sealants - flat laminated glass - material for templates - cleaning solvents and materials.
<i>Tools and equipment</i> must include:	- personal protective equipment (PPE) - application equipment for adhesives and sealants - template preparation equipment - glass cutting tools and equipment - windscreen lifting and supporting equipment

	• safety harnesses and scaffolds for working at heights.
<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 and support equipment • working at heights using harnesses and scaffolds • using SDS for adhesives • material handling and storage • environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals.

Unit Mapping Information

Equivalent to AURVTG3013 Remove and install large vehicle 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 AURVTG013 Remove and install large vehicle 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 windscreens on two different large 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 large vehicle windscreens, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and lifting and support equipment
 - working at heights using harnesses and scaffolds
 - using safety data sheets (SDS) for adhesives
 - material handling and storage
- environmental requirements, including procedures for trapping, storing and disposing of waste materials and chemicals
- location and content of vehicle manufacturer technical specifications and fitting instructions
- removal and installation methods and techniques for different types of large vehicle windscreens, including:
 - type and use of windscreen specialist tools and equipment
 - rubber and direct glazed installation methods
 - windscreen handling techniques
 - windscreen support systems
 - flat laminated glass cutting equipment and processes

- windscreen attachment methods, including frames, clamps and special rubber sections
- types of glass, including:
 - sealing methods
 - adhesive curing times and finishing techniques
 - potential problems and consequences
- procedures for protecting vehicle and components during windscreen removal and installation work
- procedures for final inspection of fitted large vehicle 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 large vehicle windscreens they have removed and installed, e.g. repair 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 adhesives
- PPE required to remove and install large vehicle windscreens, including safety harnesses and scaffold equipment
- vehicle manufacturer, windscreen supplier, and specific workplace technical specifications
- materials for preparing templates
- windscreen or glass components
- flat laminated glass and cutting equipment
- two different large vehicles requiring windscreens to be fitted
- vehicle protection covers
- cleaning agents
- tools, equipment and materials appropriate for removing and installing large vehicle windscreens.

Links

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