



Australian Government

AURVTG001 Repair laminated glass windscreens

Release: 1

AURVTG001 Repair laminated glass windscreens

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to repair chipped or cracked laminated glass windscreens. It involves preparing for the task, selecting and using specialist tools and equipment, cleaning and removing moisture from chipped or cracked laminated glass windscreens, injecting resin into chip or crack, finishing repair work to industry standard, 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 to repair laminated glass windscreen	1.1 Job requirements are determined from workplace instructions 1.2 Size of chip or crack is identified and checked against industry repair standards to determine compliance requirements 1.3 Repair method is interpreted from glass repair system specifications and materials are checked for quality

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.
	1.4 Work is planned to minimise waste and use time efficiently 1.5 Vehicle is inspected to ensure there is no prior damage and that all related accessories are operating correctly 1.6 Required glass repair chemicals and their safety data sheets (SDS) are sourced and interpreted 1.7 Hazards associated with the work are identified and risks are managed 1.8 <i>Tools and equipment</i> , including personal protective equipment (PPE), are selected and checked for serviceability 1.9 Vehicle is protected and safely located according to workplace procedures
2. Repair chipped and cracked laminated glass	2.1 <i>Repair process for chipped or cracked glass</i> is followed according to glass repair system specifications, workplace procedures, industry standards, and <i>safety and environmental requirements</i> 2.2 Glass surface is finished according to glass repair system specifications and SDS 2.3 Repair is completed without causing damage to vehicle or components
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations, related accessories are operating correctly, 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
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 - report issues or outcomes relating to laminated glass repairs.
Numeracy skills to:	use basic mathematical operations, including addition and subtraction, to calculate quantities of required materials.
Planning and organising skills to:	plan own work requirements and prioritise action to achieve required outcomes and ensure task are completed within workplace timeframes.
Technology skills to:	correctly and safely use specialised glass repair equipment and tools.

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>Industry repair standards</i> must include:	- AS/NZS 2366.1 Windscreen repairs - Repair procedures - AS/NZS 2366.2 Windscreen repairs - Repair systems.
<i>Materials</i> must include:	- repair resins - vehicle protection covers - glass cleaning and polishing materials.
<i>Tools and equipment</i> must include:	specialised tools for the repair of laminated glass.
<i>Process for repairing chipped or cracked glass</i> must include:	- opening windscreen chip or crack to allow access for the repair resin - cleaning repair area and removing moisture from laminated glass - removing air from repair area using a vacuum tool - injecting repair resin into chip or crack at pressure to ensure capillary action takes place.
<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 glass repair systems - using SDS when working with chemicals and resins - material handling and storage

	• environmental requirements, including procedures for trapping, storing and disposing of waste chemicals, resins and materials.
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Unit Mapping Information

Equivalent to AURVTG2001 Repair laminated glass

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 AURVTG001 Repair laminated glass 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:

- repair three different laminated glass windscreens, including:
 - one chipped windscreen
 - one cracked windscreen.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to repairing laminated glass windscreens, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using glass repair systems
 - using safety data sheets (SDS) when working with chemicals and resins
 - material handling and storage
- environmental requirements, including procedures for trapping, storing and disposing of waste chemicals, resins and materials
- location and content of SDS relating to repair chemicals and resins
- requirements of:
 - AS/NZS 2366.1 Windscreen repairs - Repair procedures
 - AS/NZS 2366.2 Windscreen repairs - Repair systems
- laminated glass repair systems and procedures for:
 - identifying types and use of laminated glass repair resins
 - opening windscreen chip or crack
 - cleaning repair area

- removing moisture from laminated glass
- removing air from repair area using a vacuum tool
- pressure injection of repair resin
- ensuring capillary action
- finishing glass surfaces
- procedures for protecting vehicle systems and components during repair work
- pre- and post-inspection procedures for laminated glass windscreen repairs.

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 laminated glass windscreens that they have repaired, 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 repair chemicals and resins
- PPE required to repair laminated glass
- AS/NZS 2366.1 Windscreen repairs - Repair procedures
- AS/NZS 2366.2 Windscreen repairs - Repair systems
- glass repair resins and materials
- three different laminated glass windscreens as specified in the performance evidence requiring repair
- vehicle protection equipment
- cleaning products
- tools, specialist equipment and materials appropriate for repairing laminated glass.

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