



Australian Government

AURVTG008 Cut and process vehicle and machinery flat laminated glass

Release: 1

AURVTG008 Cut and process vehicle and machinery flat laminated glass

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to measure, mark, cut and process flat laminated glass for installation into vehicles and machinery. It involves preparing for the task, selecting and using specialist tools and equipment, producing templates according to size, cutting flat laminated glass and finishing glass edges to given specifications, 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 cut and process flat laminated glass	1.1 Job requirements are determined from workplace instructions 1.2 Information is accessed and interpreted from laminated glass supplier specifications 1.3 Laminated glass is sourced according to work order and job

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.
	specifications and checked for quality 1.4 Hazards associated with the work are identified and risks are managed 1.5 <i>Glass cutting equipment</i> and personal protective equipment (PPE) are selected and checked for serviceability 1.6 Work is planned to minimise off-cuts and use time efficiently
2. Fabricate templates and patterns	2.1 Accurate measurements are taken or checked to prepare templates and patterns 2.2 Suitable materials and equipment are used to fabricate templates and patterns 2.3 Template and pattern are marked out and fabricated according to workplace instructions, workplace procedures, and <i>safety and environmental requirements</i>
3. Process glass	3.1 Glass is measured, marked and cut out according to measurements, template and pattern, and safety and environmental requirements 3.2 Glass cutting is completed according to workplace procedures, and safety and environmental requirements, and without causing damage to glass being cut 3.3 Glass edges are arris or bevel edged according to workplace procedures, and safety and environmental requirements, and without causing damage to glass
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations 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
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Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.
Writing skills to:	legibly and accurately complete glass cutting plan and other workplace documentation.
Oral communication skills to:	- clarify instructions and procedures - clearly report issues or outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition, subtraction and multiplication to: - correctly measure templates, patterns and laminated glass components to specifications - calculate glass requirements and quantities.
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 in cut laminated glass.
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>Glass cutting equipment</i> must include:	- measuring equipment - glass templates and patterns - tools for grinding and polishing edges - hand and power tools.
<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 equipment - using safety data sheets (SDS) for laminated glass - material handling and storage - environmental requirements, including procedures for trapping, storing and disposing of waste material.

Unit Mapping Information

Equivalent to AURVTG3008 Cut and process flat 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 AURVTG008 Cut and process vehicle and machinery flat laminated glass

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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:

- mark, cut, process and finish two different flat laminated glass sections, including:
 - one arris finish
 - one bevel edge.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to cutting and processing vehicle and machinery flat laminated glass, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using tools and equipment
 - using safety data sheets (SDS) for laminated glass
 - material handling and storage
- environmental requirements, including procedures for trapping, storing and disposing of waste material
- methods and procedures for cutting and processing flat laminated glass, including:
 - manufacturer technical information and specifications
 - template and pattern fabrication
 - different template materials
 - measuring and marking out procedures
 - glass handling and storage processes
 - glass cutting methods and techniques

- use of glass cutting and arrising equipment
- type and use of specialist tools and equipment
- workplace glass cutting quality standards
- cleaning materials and techniques
- procedures for final inspection of cut flat laminated glass.

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 flat laminated glass that they prepared and cut, 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 laminated glass
- template and pattern specifications
- PPE required to cut laminated glass
- template materials
- flat laminated glass sheets as specified in the performance evidence
- tools and equipment appropriate for cutting and processing flat laminated glass.

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