



Australian Government

AURVTG112 Remove and install heavy vehicle rubber and direct glazed windscreens

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to remove and install rubber and urethane glazed heavy vehicle windscreens. This unit involves preparing for the task, selecting and using specialist tools and equipment, removing the damaged windscreen, cutting a replacement windscreen according to original size, preparing and applying windscreen sealing rubber, applying primers, activators and adhesives according to manufacturer specifications, cleaning and finishing the windscreen, and completing workplace processes and documentation.

The unit applies to those who work in the automotive glazing service and repair industry. The windscreens include those of trucks, buses and coaches.

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

Unit Sector

Vehicle Body Technical – Glazing

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to remove and install heavy vehicle rubber or direct glazed windscreen	1.1 Identify job requirements from workplace instructions 1.2 Identify required information for repair activity 1.3 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures 1.4 Identify tools, equipment and chemicals required for repair activity and establish serviceability according to workplace

ELEMENT	PERFORMANCE CRITERIA
	procedures
2. Remove and install heavy vehicle rubber or direct glazed windscreen	2.1 Remove windscreen according to workplace procedures, manufacturer specifications, workplace health and safety and environmental requirements 2.2 Cut, install, seal or bond and finish replacement windscreen according to workplace procedures, manufacturer specifications, workplace health and safety and environmental requirements 2.3 Cure adhesive according to adhesive manufacturer specifications and timelines
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 Complete documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently
Reading	Organises and interprets technical information from workplace procedures, manufacturer specifications, industry standards and safety data sheets (SDS)
Oral communication	- Clarifies instructions and procedures - Clearly reports quality issues and job outcomes
Numeracy	- Uses mathematical operations, including addition and subtraction, to calculate: - cutting and fitting dimensions - quantities of required materials
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes - Ensures tasks are completed within workplace timeframes
Problem solving	Identifies quality issues and potential problems associated with removing and installing heavy vehicle rubber and direct glazed windscreens

SKILL	DESCRIPTION
Technology	• Uses specialised equipment

Unit Mapping Information

Supersedes and is equivalent to AURVTG012 Remove and install heavy vehicle rubber and direct glazed windscreens.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURVTG112 Remove and install heavy vehicle rubber and direct glazed windscreens

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- remove and install windscreens in at least two different heavy vehicles, in which the work must involve:
 - at least one rubber glazed windscreen
 - at least one direct glazed windscreen.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to remove and install heavy vehicle rubber and direct glazed windscreens, including:
 - safety data sheets (SDS) relating to primers, activators and adhesives
 - manufacturer's specifications or equivalent documentation
- workplace procedures required to remove and install heavy vehicle rubber and direct glazed windscreens including:
 - establishing the serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- workplace health and safety (WHS) and requirements relating to removing and installing heavy vehicle rubber and direct glazed windscreens, including procedures for:
 - selecting and using personal protective equipment (PPE)

- using tools and lifting equipment
- working at height using harnesses and scaffolds
- using safety data sheets (SDS) for primers, activators and adhesives
- windscreen handling and storage
- environmental requirements relating to removing and installing heavy vehicle rubber and direct glazed windscreens, including procedures for trapping, storing and disposing of waste materials and chemicals
- types and uses of windscreen specialist tools, equipment and materials, including:
 - types of rubber and direct glazed windscreens
 - windscreen support systems and work height safety harness equipment
 - rubber glazing materials, including:
 - rubber sections
 - sealants
 - direct glazing materials, including:
 - adhesives
 - activators
 - primers
 - cleaning materials
- removal and installation methods and techniques for heavy vehicle rubber and direct glazed windscreens, including:
 - windscreen handling techniques
 - sealing methods
 - adhesive curing times and finishing techniques
- procedures for protecting vehicle and components during removal and installation of windscreens
- procedures for final inspection of fitted heavy vehicle rubber and direct glazed windscreens.

Assessment Conditions

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 heavy vehicle rubber and direct glazed 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 primers, activators and adhesives
- PPE required to remove and install heavy vehicle rubber and direct glazed windscreens
- safety harnesses and scaffold equipment to remove and install large vehicle windscreens
- heavy vehicle manufacturer and windscreen supplier specifications and fitting instructions
- heavy vehicle rubber and direct glazed windscreens
- two different types of heavy vehicles requiring rubber or direct glazed windscreens to be fitted
- vehicle protection covers
- tools, equipment and materials appropriate for removing and installing heavy vehicle rubber and direct glazed windscreens.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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