

<b>Title</b>	<b>Demonstrate knowledge of automotive glass</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of: automotive glass uses and types; handling and storing automotive glass; and preparing, removing and installing automotive glass.
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<b>Classification</b>	Motor Industry > Vehicle Bodywork
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references  
Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015,  
Land Transport Rule: Glazing, Windscreen Wipe and Wash, and Mirrors 1999.

- 2 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

Land Transport Rules are available online at <https://www.nzta.govt.nz/>.

- 3 Definitions  
*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.  
*Service information* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 4 Assessment  
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturers specifications, service information, company requirements and legislative requirements.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of automotive glass uses and types.

**Performance criteria**

- 1.1 Types of glass and reasons for their use on a vehicle are described.  
Range types include – tempered, laminated, plastic composite.
- 1.2 Methods of identifying the type of glass are described.  
Range vehicle service information, glass markings.
- 1.3 Reasons for the use of glass in vehicles are described.  
Range vision, body structure, protection, styling, light, heat reflection.
- 1.4 Features of glass in vehicles are described.  
Range tinted, antenna systems, rain sensors, head-up display.

**Outcome 2**

Demonstrate knowledge of handling and storing automotive glass.

**Performance criteria**

- 2.1 Precautions to take when working with glass on a vehicle is described.  
Range personal protective equipment, alignment, tension.
- 2.2 Methods of storing glass are identified.

**Outcome 3**

Demonstrate knowledge of preparing, removing and installing automotive glass.

**Performance criteria**

- 3.1 Factors to consider when preparing glass components for installation are described.  
Range inspecting replacement components; verifying part numbers and glass colour; preparing the aperture; installing new or existing mouldings, surrounds, calibration of sensors, sealing and bonding requirements.
- 3.2 Procedures to remove and install glass in a vehicle are described.  
Range direct glazing, quarter lights, moveable body glass.

<b>Planned review date</b>	31 December 2027
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2008	31 December 2018
Review	2	21 April 2016	31 December 2023
Review	3	10 December 2020	31 December 2027
Revision	4	25 August 2022	31 December 2027
Review	5	25 May 2023	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.