

Title	Repair laminated automotive glass		
Level	4	Credits	5

Purpose	<p>A person credited with this standard can, for laminated automotive glass:</p> <ul style="list-style-type: none"> • prepare to repair; • repair and clean, and provide warranty information; and • complete cleaning, storage, and maintenance requirements for repairing laminated automotive glass.
----------------	--

Classification	Glass and Glazing > Automotive Reglazing
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

1 Assessment

Evidence generated for assessment against this standard must be verified by a person who has current expertise in the automotive glazing trades and has had the opportunity to regularly observe the candidate in the workplace carry out automotive laminated glass repairs that include – chip repairs, and crack repairs.

All repairs must be completed in a commercially acceptable timeframe and workplace requirements.

2 Repair must be completed without injury to personnel or damage to glass, equipment, or vehicle. Personal protective equipment must be used to meet regulatory and worksite requirements.

3 Definitions

Certificate of Fitness (CoF) – is a regular check to ensure that heavy vehicles, passenger service vehicles, and rental vehicles meet required safety standards.

Job specification – refers to instructions to staff on policy and procedures which are documented in memo or manual format and are available in the workplace. These requirements include company specifications and procedures, work instructions, manufacturer’s specifications, product quality specifications, legislative requirements.

Personal protective equipment – refers to anything used or worn by a person (including clothing) to minimise risks to the person’s health and safety; air-supplied respiratory equipment.

Warrant of Fitness (WoF) – is a regular check to ensure that vehicles for personal use, under 3500kg, and intended to be driven on the road, meets required safety standards.

Worksite requirements – refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, safety procedures and guidelines, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.

4 Evidence generated for assessment against this standard must reflect the best practice guidelines and principles specified in:

- AS/NZS 2366.1:1999. *Windscreen repairs – Repair procedures.*
- AS/NZS 2366.2:1999. *Windscreen repairs – Repair systems.*

AS/NZS and NZS standards are available at <http://www.standards.co.nz>.

Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:

- *Land Transport Rule: Vehicle Repair 1998 – Rule 34001/1998.*
- *Land Transport Rule: Glazing Windscreen Wipe and Wash, and Mirrors 1999 – Rule 32012/1999.*
- statutory and regulatory requirements applicable to automotive glazing.
- documented worksite specifications, procedures, and practices.
- manufacturer recommendations, specifications, and technical data sheets.
- applicable material safety data sheets.

5 Reference

New Zealand Transport Agency, *Land Transport Rules for Vehicle Inspection Requirements Manual (VIRM)*, available at

<http://vehicleinspection.nzta.govt.nz/virms/in-service-wof-and-cof/general/vision/glazing>.

Outcomes and performance criteria

Outcome 1

Prepare to repair laminated automotive glass.

Performance criteria

- 1.1 Determine need for glass repair or replacement in accordance with AS/NZS 2366.1:1999 and VIRM guidelines.
- 1.2 Determine the job requirements from the job and manufacturer specifications.
- Range requirements include – method, equipment.
specifications include but are not limited to – window size, shape, and position; materials; VIRM; vehicle structural integrity.
- 1.3 Determine vehicle preparation requirements from the glass manufacturer and vehicle specifications.
- 1.4 Select and prepare required personal protective equipment, materials, and equipment to meet health and safety requirements.

- 1.5 Select and prepare materials and equipment required for the repair to meet the manufacturer and job specifications.
- 1.6 Identify procedures for minimising waste of materials.

Outcome 2

Repair and clean laminated automotive glass and provide warranty information.

Performance criteria

- 2.1 Repair laminated automotive glass to meet VIRM, WoF, CoF standard and job specifications.
- 2.2 Clean the repaired glass and prepare the vehicle for collection.
- 2.3 Provide warranty and safety information to the vehicle owner.
- 2.4 Document the repair.

Outcome 3

Complete cleaning, storage, and maintenance requirements for repairing laminated automotive glass.

Performance criteria

- 3.1 Remove and dispose of waste materials.
- 3.2 Inspect the work area for cleanliness and clear of tools and equipment.
- 3.3 Undertake equipment maintenance procedures.
- Range drill bits, mylar, chip resin, crack resin, pit fill resin, UV light, bridge, all working and in good condition to repair another chip.
- 3.4 Clean and store tools, plant, and equipment used to repair laminated glass.
- Range plant includes – any machinery, vehicle, vessel, aircraft, equipment (including personal protective equipment), appliance, container, implement, or tool; any component of any of those things; anything fitted or connected to any of those things; personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety; air-supplied respiratory equipment.

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 April 2006	31 December 2013
Review	2	20 November 2009	31 December 2017
Review	3	18 June 2015	31 December 2025
Review	4	24 February 2022	N/A
Revision	5	25 August 2022	N/A
Revision	6	30 January 2025	N/A

Consent and Moderation Requirements (CMR) reference

0073

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 info@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.