

Title	Demonstrate knowledge of glass reinforced plastic (GRP) and working with GRP repair kits for motor vehicles		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to demonstrate knowledge of: GRP used for motor vehicles; and working with GRP repair kits for motor vehicles.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	Achieved
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Guidance Information

- 1 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. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of GRP used for motor vehicles.

Performance criteria

- 1.1 Components that make up GRP are identified.

Range	resin, catalyst, fibreglass, types of GRP and sheet moulded compounds (SMC).
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1.2 Uses for GRP are described.

Range vehicle panels, plastic components, ducting, fairings, mouldings.

1.3 How GRP cures is described.

Outcome 2

Demonstrate knowledge of working with GRP repair kits for motor vehicles.

Performance criteria

2.1 Tools, materials, and equipment when working with GRP are identified in accordance with type and complexity of repair and repair kit recommendations.

Range cleaning solvents; sanding machines, abrasives, spreader, repair kit, container, application tools.

2.2 Effects of temperature and humidity when working with GRP are described.

2.3 Procedures and reasons for preparing damaged GRP for repair are described.

Range pre-cleaning, gaining adhesion, no loose or ragged edges.

2.4 Procedures for mixing the resin and catalyst and applying to the matting and surface are described in accordance with repair kit instructions.

Replacement information	This unit standard and unit standard 23987 replaced unit standard 5764.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2007	31 December 2018
Review	2	21 April 2016	31 December 2023
Review	3	10 December 2020	N/A

Consent and Moderation Requirements (CMR) reference	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 the MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.