

Title	Demonstrate knowledge of vehicle body corrosion and anti-corrosion procedures in the collision repair industry		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of vehicle body corrosion, and describe anti-corrosion procedures taken to protect vehicle bodies during manufacture and repair.
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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 vehicle body corrosion.

Performance criteria

- 1.1 Types of corrosion affecting vehicle bodies are described.

Range pitting, galvanic, scale, corrosion fatigue, rust bleed.

1.2 Causes of corrosion are described in relation to vehicle bodies.

Range salt air and water corrosion, environmental, incorrect anti-corrosion procedures during manufacture, incorrect repair procedures, use of incompatible metals.

1.3 The effects and appearance of corrosion on vehicle bodies are described.

Outcome 2

Describe anti-corrosion procedures taken to protect vehicle bodies during manufacture and repair.

Performance criteria

2.1 Anti-corrosion protection procedures are described.

Range cathodic, galvanising, anti-corrosion paints and compounds, cavity wax.

2.2 Materials used to protect vehicles from corrosion are described.

Range anti-corrosion fluids, underseal, anti-corrosion paints, metal conditioners, sealers and anti-chip coatings.

2.3 The importance of applying anti-corrosion products is described.

Range during manufacture, during and after repair.

Replacement information	This unit standard and unit standard 23999 replaced unit standard 5746.
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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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.