

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

<b>Purpose</b>	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.
----------------	--

<b>Classification</b>	Motor Industry > Vehicle Bodywork
-----------------------	-----------------------------------

<b>Available grade</b>	Achieved
------------------------	----------

---

### 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.
- 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.
- 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.

---

### 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.

<b>Replacement information</b>	This unit standard and unit standard 23999 replaced unit standard 5746.
--------------------------------	---

<b>Planned review date</b>	31 December 2027
----------------------------	------------------

**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	31 December 2027
Review	4	25 May 2023	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

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.