

<b>Title</b>	<b>Demonstrate knowledge of repairing and replacing damaged non-structural motor vehicle aluminium panels</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	This theory-based unit standard is for people who work in the collision repair industry. People credited with this unit standard are able to demonstrate knowledge of repairing and replacing damaged non-structural motor vehicle aluminium panels.
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<b>Classification</b>	Motor Industry > Collision Repair
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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: Vehicle Repair 1998.

#### 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 which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – company specifications and procedures, work instructions, manufacturer specifications, product quality specifications and legislative requirements.

*Service information* may include but is not limited to – vehicle structural repairer code of practice, technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations. This may be accessed from the manufacturer.

#### 4 Assessment

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, company and legislative requirements.

## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of repairing and replacing damaged non-structural motor vehicle aluminium panels.

### Performance criteria

- 1.1 Types of aluminium are identified.
- Range includes but is not limited to – tempered, non-tempered.
- 1.2 The characteristics of aluminium are described.
- Range includes but is not limited to – effects of heat, hammering, hardness.
- 1.3 Procedures for repairing damaged non-structural aluminium panels are explained.
- Range repair, replace.
- 1.4 Methods of attaching panels are described.
- Range rivets (solid, blind, self-piercing), adhesive bonding, welding, hemming, clinching, bolts.

<b>Replacement information</b>	This unit standard and unit standard 23997 replaced unit standard 5780.
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<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	26 November 2007	31 December 2018
Review	2	21 April 2016	31 December 2027
Review	3	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>.

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**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.