

<b>Title</b>	<b>Repair a severely damaged metal motor vehicle panel</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	This unit standard is for people who work in the collision repair industry. People credited with this unit standard are able to prepare to repair a severely damaged metal motor vehicle panel, and repair a severely damaged metal motor vehicle panel.
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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, Rule 34001.

#### 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.

*Severely damaged panel* refers to panels that have major or extensive damage and are to be repaired and not replaced.

*Suitable tools and equipment* means industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

#### 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.

For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

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## Outcomes and evidence requirements

### Outcome 1

Prepare to repair a severely damaged metal motor vehicle panel.

#### Performance criteria

1.1 Extent of damage is established.

Range may include – sight, feel, filing, measurement, cost; must include one each of damage to – mild steel, high strength steel, aluminium.

1.2 Suitable tools and equipment that enable the panel to be repaired are selected.

Range may include but is not limited to – hammers, dollies, body file, spoons, flipping irons, welding plant, disc sander, dual action (DA) sander, orbital sander, body jack, panel pullers, sockets, spanners, other hand tools.

1.3 Vehicle electronic systems are identified and protected before work commences.

1.4 Panel is prepared for repair.

Range may include removal of – damaged parts, fittings, protective coatings, sound deadener pads, sealers.

### Outcome 2

Repair a severely damaged metal motor vehicle panel.

#### Performance criteria

2.1 Damage is repaired in preparation for finishing.

Range may include – welding and/or shrinking; all edges, folds, and swages are aligned.  
must include – surface is free from irregularities that may impair painting, no damage to adjacent panels or fittings.

- 2.2 Parts, trim, and fittings that were removed are trial fitted, aligned, and checked for operation.
- 2.3 Protective coatings, sound deadener pads, and sealers are replaced, and anti-corrosion procedures are carried out.

<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	29 January 1996	31 December 2018
Review	2	20 December 1998	31 December 2018
Revision	3	16 October 2003	31 December 2018
Review	4	26 November 2007	31 December 2018
Review	5	21 April 2016	31 December 2027
Review	6	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>.

#### 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.