

Title	Remove and repair perforated non-structural body panel corrosion damage in the collision repair industry		
Level	4	Credits	3

Purpose	People credited with this unit standard are able to: prepare to remove perforated non-structural body panel corrosion damage; and, remove and repair perforated non-structural body panel corrosion damage, in the collision repair industry.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	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.
- 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 Range
This unit standard includes repairing and replacing non-structural panels on a motor vehicle.
- 5 Assessment
For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.
- 6 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.

7 Recommended skills and knowledge

It is recommended that people first hold credit for Unit 23998, *Demonstrate knowledge of vehicle body corrosion and anti-corrosion procedures in the collision repair industry*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare to remove perforated non-structural body panel corrosion damage in the collision repair industry.

Range may include – steel, aluminium.

Performance criteria

- 1.1 Corrosion and location of damage is assessed, and viability of repairing or replacing the panel is identified.
- 1.2 Repair procedure is identified that enables the repair to be carried out.
- 1.3 Protective coatings, sound deadener pads, sealers, and foams are removed to enable the repair to be carried out.
- 1.4 Parts, trim, and fittings that interfere with carrying out the repair are protected or removed.

Range may include – door trims and fittings, lights, mouldings, guard liners, interior trim, handles, locks, wheels, bumpers, tow bar, wiring, badges, engine components, glass, electronics, fuel and brake lines, fuel tank.
- 1.5 Parts are procured or manufactured.

Outcome 2

Remove and repair perforated non-structural body panel corrosion damage in the collision repair industry.

Range patch panel, replace panel.

Performance criteria

- 2.1 Corrosion is removed without damage to adjacent areas and fittings.

Range complete panel and section of panel;
any one of – sanded, sand or bead blasting, wire, nylon wheel.
- 2.2 Metal of the same type that is on the vehicle is procured for a non-structural repair, cut to size and shape, and hidden areas of metal are treated.

2.3 Patch is attached in place to a non-structural panel ensuring there are no irregularities that may impair painting.

Range any one of – gas metal arc welding (GMAW), lap welding, oxy-acetylene welding and brazing, spot welding, adhesive.

2.4 A replacement panel or section of panel of the same type that was on the vehicle is fitted.

Range GMAW or spot welding.

2.5 Protective coatings, sound deadener pads, sealers, and foams are replaced.

2.6 Anti-corrosion procedures are carried out.

2.7 Parts, trim, and fittings removed are refitted.

Planned review date	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	20 September 2002	31 December 2023
Review	2	25 February 2008	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
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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 if you wish to suggest changes to the content of this unit standard.