

Title	Rectify faults associated with a motor vehicle body		
Level	3	Credits	3

Purpose	This unit standard is for people who wish to enter or are employed in the motor industry. People credited with this unit standard are able to correct the alignment of a door, bonnet, and boot lid, rectify dust leaks in a vehicle, and locate and rectify wind noise faults in a vehicle.
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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,
Traffic Regulations 1976;
Land Transport Rules: Door Retention Systems 2001, Rule 32001/1; External Projections 2001, Rule 32008/1; Frontal Impact 2001, Rule 32006/1; Vehicle Repair 1998, Rule 34001;
The Official New Zealand Road Code, New Zealand Transport Agency (NZTA).
- 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/>.
New Zealand Road Code information can be obtained from the following website <http://www.nzta.govt.nz/resources/roadcode/road-code-index.html>.
- 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 – 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.
- 5 For this unit standard, it is essential that the practical assessment evidence is obtained from commercial jobs in the workplace under normal workplace conditions.
- 6 Outcome 3 requires the driver of the vehicle being tested to have an appropriate driver licence.

Outcomes and performance criteria

Outcome 1

Correct the alignment of a door, bonnet, and boot lid.

Performance criteria

- 1.1 The need for adjustment is determined by assessing the alignment and closing effort of the component.
- 1.2 Adjacent panels are aligned, gaps between panels are made even as required, and closing effort is to a level acceptable to the customer and complies with Traffic Regulations and NZTA.

Range corrections to – hinges, striker plates, bump stops.
- 1.3 Where adjustments will not correct the problem, recommendations for body shop repairs are made to the supervisor.

Outcome 2

Rectify dust leaks in a vehicle.

Performance criteria

- 2.1 Tests are carried out to the equipment supplier instructions, signs of dust ingress are visually inspected, and the source(s) of all leaks located.
- 2.2 Seals and weatherstrips are inspected visually, and any that are misaligned and/or of poor condition are identified.
- 2.3 Misaligned seals and weatherstrips are refitted, and faulty components are replaced with new parts.
- 2.4 Sealants are applied to exclude dust where required.
- 2.5 Repaired areas are treated to resist corrosion and coloured to blend with surrounding panels.

Outcome 3

Locate and rectify wind noise faults in a vehicle.

Performance criteria

- 3.1 The vehicle is tested in conditions that reproduce and verify the offending noise condition.
- 3.2 The vehicle is visually inspected and any likely causes of wind noise are located and rectified.

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	29 October 1993	31 December 2018
Review	2	4 October 1996	31 December 2018
Review	3	26 February 1999	31 December 2018
Review	4	25 May 2007	31 December 2018
Review	5	21 April 2016	31 December 2027
Review	6	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.