

<b>Title</b>	<b>Replace and join vehicle body components</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>25</b>

<b>Purpose</b>	People credited with this unit standard are able to replace and join vehicle body components.
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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;  
 Health and Safety at Work (Hazardous Substances) Regulations 2017.

#### 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 that are available in the workplace. These requirements may include company policies and procedures, work instructions, manufacturer specifications and legislative requirements.

*Service information* may include vehicle structural repair code of practice, technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Vehicle body components* refer to outer panels and inner reinforcements that make up the body structure that are not attached by mechanical means such as nuts, bolts or screws.

#### 4 Range

Replacement of three different sections of the body structure that includes multiple panels and reinforcements.

These must include replacement and joining of three vehicle body components from – front rail or rails; partial or full assembly; A Pillar and inner reinforcements; B Pillar including inner panels and reinforcements; Sill panel outer including reinforcements, rear quarter or roof panel; rear rail partial or full assembly including the rear panels and/or boot floor.

#### 5 Assessment

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

#### 6 Recommended skills and knowledge

It is recommended that people seeking credit for this unit standard should first hold credit for Unit 31991, *Demonstrate knowledge of joining vehicle body components*, or equivalent skills and knowledge.

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## Outcomes and performance criteria

### Outcome 1

Replace and join vehicle body components.

### Performance criteria

1.1 Impact of damage on vehicle is identified.

Range may include but is not limited to – advanced driver assistance systems (ADAS), vehicle alignment, body components.

1.2 Repair procedure is selected and followed.

1.3 Vehicle body measurements are carried out in accordance with original equipment manufacturer specifications.

1.4 Damaged vehicle body components are removed.

1.5 Replacement vehicle body components are prepared and assembled.

1.6 Replacement vehicle body components are aligned, fixed in place and joined.

Range welding, riveting, bonding, spot welding; evidence of two is required.

1.7 Common joining defects are minimised and controlled during joining procedure.

1.8 Priming or sealing and anti-corrosion procedures are carried out.

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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	23 July 2020	31 December 2027
Review	2	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.