

Title	Prepare and assemble vehicle body steel components by bonding		
Level	4	Credits	6

Purpose	This unit standard is for people who work in the coachbuilding or motor industries. People credited with this unit standard are able to prepare to assemble vehicle body steel components, assemble vehicle body steel components by bonding and prepare the assembled body components.
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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:
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
Resource Management Act 1991.
- 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 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.
Suitable tools and equipment refer to 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 (this includes the knowledge and/or use of suitable tools and equipment).

5 Recommended skills and knowledge:

Unit 5762, *Remove and replace a damaged motor vehicle panel attached by adhesives*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria**Outcome 1**

Prepare to assemble vehicle body steel components.

Performance criteria

- 1.1 Suitable tools and equipment are selected to enable the job to be carried out.
- Range may include but is not limited to – publications, hand tools, safety equipment, jigs, patterns, fixtures.
- 1.2 Materials used to bond vehicle body steel components are identified and procured.
- 1.3 Component parts and test pieces are prepared for assembly.
- Range clean, inspect, mark out, align.

Outcome 2

Assemble vehicle body steel components by bonding.

Performance criteria

- 2.1 Fastener holes are prepared.
- Range drill, ream, clearance, countersink, deburr, dimple.
- 2.2 Body components and test pieces are assembled and bonded.
- Range surfaces prepared, alignment fasteners fitted, bonding agent applied, fit adjusted.
- 2.3 Pressure and/or temperature is applied to components.
- Range clamp, heat source.

2.4 Non-conformities are rectified.

Range test piece peel strength, damage, misalignment, foreign objects, stress raisers, continuity.

2.5 Sealant is applied.

Range weatherproofing, sealing, pressure sealing.

2.6 Inspections are obtained.

Range independent, duplicate, progressive.

Outcome 3

Prepare the assembled body components.

Performance criteria

3.1 Assembled body components are prepared for use, storage, or transit.

Range locking, inhibiting, blanking, packing.

3.2 Resources are checked for serviceability and returned.

Range tools, equipment, safety equipment, technical service information, material safety data sheets.

3.3 Leftover parts and materials are disposed of.

Range serviceable, unserviceable, surplus, waste, scrap, hazardous.

3.4 Documentation is completed.

Range labels, job cards, inspection release.

3.5 Tools and equipment are cleaned and put away, and the work area is cleaned.

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 2018
Review	2	25 February 2008	31 December 2018
Review	3	21 April 2016	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.