

Title	Identify vehicle body frame construction and body panelling in the coachbuilding industry		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to identify vehicle body frame construction, and vehicle body panelling in the coachbuilding industry.
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Classification	Motor Industry > Coachbuilding
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015 and any subsequent amendments or replacements.
- 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 refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Outcomes and performance criteria

Outcome 1

Identify vehicle body frame construction in the coachbuilding industry.

Performance criteria

- 1.1 Types of body construction are identified.

Range bus, Luton, curtainside, refrigerated, demountables, motor home, tipping bodies, flat deck.

- 1.2 Types and purpose of framing are identified.
- Range chassis, waist rails, cant rails, pillars, skirt rails, crown rails (roof rails), stress panels, roof bows.
- 1.3 Frame attachments are identified.
- Range bracing, gussets, brackets.
- 1.4 Methods of assembling frames are identified.
- Range welding, bolts, rivets, approved fasteners.
- 1.5 Methods of aligning and checking the alignment of frames are identified.
- 1.6 Painting and anti-corrosion procedures are identified.
- 1.7 Land Transport Rules covering vehicle body construction are identified.
- Range trucks, trailers, passenger service vehicles, vans; kerb weight, tare weight, gross weight.

Outcome 2

Identify vehicle body panelling in the coachbuilding industry.

Performance criteria

- 2.1 Types and characteristics of vehicle body panels are identified.
- Range aluminium, panel steel, stainless steel, plastic, glass reinforced plastic.
- 2.2 Methods of attaching panelling to frame work are identified.
- Range adhesive bonding, rivet bonding, mechanical fastenings, welding.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 September 1997	31 December 2023
Revision	2	14 November 2000	31 December 2023
Revision	3	16 October 2003	31 December 2023
Review	4	25 February 2008	31 December 2023
Review	5	25 November 2021	N/A

Consent and Moderation Requirements (CMR) reference

0014

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.