

Title	Make and fit a wheel arch to a vehicle in the coachbuilding industry		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: prepare to make a wheel arch for a vehicle in the coachbuilding industry; measure, mark out, and cut materials for the wheel arch; and make and fit wheel arch to a vehicle.
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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 refers 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.
- 3 Range

wheel arches – square corner, rounded.

Outcomes and performance criteria

Outcome 1

Prepare to make a wheel arch for a vehicle in the coachbuilding industry.

Performance criteria

- 1.1 Materials and attachments used to make the wheel arch are identified and procured.
- Range materials may include – steel, aluminium, timber, composite.
- 1.2 Clearance between wheels and body, and allowance for suspension movement, are identified.

Outcome 2

Measure, mark out, and cut materials for the wheel arch.

Performance criteria

- 2.1 Panel material is measured and legibly marked out.
- Range allowance for – wheel and tyre size, suspension movement.
- 2.2 Framing materials are measured and legibly marked out.
- 2.3 All materials are cut to size.
- 2.4 Painting and anti-corrosion procedures are carried out.

Outcome 3

Make and fit wheel arch to a vehicle.

Performance criteria

- 3.1 Frame is made up and fastened to floor
- 3.2 Wheel arch is shaped and fitted to the floor.
- Range may include – welding, mechanical fastenings, adhesive bonding, sealing.
- 3.3 Painting and anti-corrosion procedures are carried out.

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.