

Title	Remove the rear of a vehicle cab for modification in the coachbuilding industry		
Level	3	Credits	3

Purpose	This unit standard is for people who work in the coachbuilding industry. People credited with this unit standard are able to prepare to remove rear of a vehicle cab in the coachbuilding industry, and remove the rear of the cab.
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Classification	Motor Industry > Coachbuilding
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to – Health and Safety in Employment Act 1992; Land Transport Rules; New Zealand Standards AS/NZS 1554 *Structural Steel Welding Set*; NZS 4711:1984 *Qualification tests for metal-arc welders*.
- 2 Land Transport Rules are produced for the Minister of Transport by Land Transport New Zealand. These rules are available online at <http://www.landtransport.govt.nz/rules/>.
New Zealand Standards are available from Standards New Zealand, Private Bag 2439, Wellington; phone 04 498 5990; or website <http://www.standards.co.nz>.
- 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.
Suitable tools and equipment means 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 Engineering approvals
Modifications and/or repairs to vehicle cabs may require engineer’s design. Completed modifications and/or repairs in this standard must also be certified by a Heavy Vehicle Specialist Inspector as meeting Land Transport Rule: Heavy Vehicles 2004.

- 5 Structural welding
Vehicle cabs are structural. Legislative requirements state that welding of structural components on Heavy Vehicles must be completed to AS/NZS 1554 by a welder holding qualifications to a minimum standard of NZS 4711:1984.

Outcomes and performance criteria

Outcome 1

Prepare to remove rear of a vehicle cab in the coachbuilding industry.

Performance criteria

- 1.1 Safe working practices are carried out throughout the task in accordance with legislative requirements.
- Range personal safety, safety of others, vehicle safety, workshop safety, environmental safety, tools and equipment safety.
- 1.2 Customer requirements are verified and checked in accordance with company requirements.
- 1.3 Type of extension to cab is identified in accordance with company requirements.
- 1.4 Any required engineering approvals are identified in accordance with legislative requirements.
- 1.5 Suitable tools and equipment that enable the rear of the vehicle cab to be removed are selected and used in accordance with company requirements.
- Range may include but is not limited to – measuring and marking out tools, metal cutting equipment, markers, saw, hammers, spanners, screwdrivers.
- 1.6 Properties of metal to be cut are identified in accordance with vehicle manufacturer specifications.
- Range tensile strength, ductility, brittleness, toughness, hardness, malleability, elasticity, compressive strength, compatibility, weathering qualities.
- 1.7 Exterior and interior trim that interferes with carrying out the job is removed and stored in accordance with company requirements.
- 1.8 Area to be cut is measured and legibly marked out in accordance with cab specifications.

Outcome 2

Remove the rear of the cab.

Performance criteria

- 2.1 Safe working practices are carried out throughout the task in accordance with legislative requirements.
- Range personal safety, safety of others, vehicle safety, workshop safety, environmental safety, tools and equipment safety.
- 2.2 Cutting tools are selected and used in accordance with company requirements.
- Range may include but is not limited to – air chisel, air saw, hack saw, cut off grinding wheel, plasma cutter, oxy-acetylene cutter, snips.
- 2.3 Rear of cab is removed without damage to adjacent areas, and measurements are in accordance with company requirements.
- 2.4 Rear of cab is prepared for modification in accordance with company requirements.
- 2.5 Painting and anti-corrosion procedures are carried out on the bare metal areas in accordance with company requirements.
- 2.6 Tools and equipment are returned to their places, and the work area is cleaned in accordance with company requirements.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

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	24 June 2021	31 December 2023

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>.