

Title	Remove and replace road wheels in the motor industry		
Level	1	Credits	1

Purpose	This unit standard is for people who are at pre-employment level or, who have recently started work in the motor industry. People credited with this unit standard are able to remove vehicle wheels, and replace vehicle wheels.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	Achieved
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Guidance Information

- The following legislation (and subsequent amendments) is applicable to this unit standard and must be followed where applicable:
Health and Safety in Employment Act 1992;
For damaged road wheels the Land Transport Authority vehicle standards, Land Transport Regulations 1990 and subsequent amendments and the relevant manufacturer's specifications must apply.
- Company policy includes workplace standards, practices, and procedures, which must comply with current legislation requirements. It is assumed the policy also meets product manufacturers' specifications, recommendations, and standards.

Outcomes and performance criteria

Outcome 1

Remove vehicle wheels.

Performance criteria

- 1.1 Types of wheels are identified.

Range alloy, steel;
car, light and/or heavy commercial.

- 1.2 Tools and equipment are selected to enable the wheels to be removed according to vehicle manufacturer's specifications and company policy.

Range may include but are not limited to – wheel brace, jack, axle stands, puzzle nut, keys, air tools.

1.3 Wheel nuts are loosened and vehicle is raised and supported in the position recommended by the vehicle manufacturer.

Range jack, hoist, stands.

1.4 Wheels are removed without damage to the vehicle, wheel and threads of the nuts or studs, relocation positions are marked, the wheels are checked for damage and damage reported to supervisor according to company policy.

1.5 Safe working practices are carried out throughout the tasks and tools and equipment are returned to their places.

Range personal safety, safety to others, vehicle, tools and equipment safety.

Outcome 2

Replace vehicle wheels.

Performance criteria

2.1 Wheels are fitted in the same position from which they came off according to manufacturer's specifications.

2.2 Vehicle is lowered with no injury to self or other people or damage to vehicle.

2.3 Wheels are tightened to the torque recommended by the vehicle manufacturer.

2.4 Tools and equipment are put away in their place.

2.5 Safe working practices are carried out throughout the task.

Range personal safety, safety to others, vehicle, tools and equipment safety.

Replacement information	This unit standard and unit standard 283 were replaced by unit standard 21869 and unit standard 21722.
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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	18 June 1995	31 December 2016
Revision	2	30 October 1997	31 December 2016
Revision	3	28 May 1998	31 December 2016
Review	4	10 February 1999	31 December 2016
Revision	5	13 March 2001	31 December 2016
Rollover	6	25 July 2006	31 December 2020
Rollover	7	19 November 2010	31 December 2020
Rollover	8	22 August 2014	31 December 2020
Rollover	9	22 October 2020	31 December 2021

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.