

Title	Remove and replace road wheels on a vehicle		
Level	2	Credits	1

Purpose	This unit standard is for people who wish to enter or are employed in the motor industry. People credited with this unit standard are able to remove and replace road wheels on vehicle.
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Classification	Motor Industry > Automotive Preventive Maintenance
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Available grade	Achieved
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Explanatory notes

- 1 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).
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of including updated amendments to, and replacements of – Health and Safety at Work Act 2015; for damaged road wheels, Land Transport Rule: Tyres and Wheels 2001, Rule 32013, and the relevant manufacturer's specifications must apply.
- 3 Land Transport Rules are available online at <https://www.nzta.govt.nz/>.
- 4 **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 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.

Outcomes and evidence requirements

Outcome 1

Remove road wheels from a vehicle.

Evidence requirements

- 1.1 Tools and equipment are selected to enable the wheels to be removed.
 Range may include but is not limited to – wheel brace, jack, axle stands, puzzle nut, keys, air tools.
- 1.2 Wheel nuts are loosened and vehicle is raised and supported in the position specified by the vehicle manufacturer.
- 1.3 Wheels are removed without damage to the vehicle, wheels, and threads of the nuts or studs; relocation positions are marked; the wheels are checked for damage, and any damage found is reported.

Outcome 2

Replace road wheels on a vehicle.

Evidence requirements

- 2.1 Wheels are fitted without damage to the vehicle, wheels, and threads of the nuts or studs; the wheels are checked for damage, and any damage found is reported.
- 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 specified by the vehicle manufacturer.

Replacement information	This unit standard and unit standard 21722 replaced unit standard 238 and unit standard 3863.
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Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2018
Rollover and Revision	2	26 November 2007	31 December 2018
Review	3	21 April 2016	31 December 2018
Revision	4	8 December 2016	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.