

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.

Subfield Motor Industry

Domain Automotive Preventive Maintenance

Status Registered

Status date 27 July 2005

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Entry information Open.

Replacement information This unit standard and unit standard 21722 replaced unit standard 238 and unit standard 3863.

Accreditation Evaluation of documentation by NZQA and industry.

Standard setting body (SSB) NZ Motor Industry Training Organisation (Incorporated)

Accreditation and Moderation Action Plan (AMAP) reference 0014

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

Special notes

- 1 Enactments relevant to this unit standard include but are not limited to – Health and Safety in Employment Act 1992; for damaged road wheels, Land Transport Rule, Tyres and Wheels 2001, Rule 32013, and the relevant manufacturer’s specifications must apply.
- 2 Information on Land Transport Rule Tyres and Wheels 2001 can be sourced from <http://www.landtransport.govt.nz/rules/tyres-and-wheels-2001.html#12>.
- 3 For the purpose of assessment, *company policy* may include training provider’s policy. This policy includes workplace standards, practices, and procedures, which must comply with current legislative requirements. It is assumed the policy also meets product manufacturer’s specifications, recommendations, and standards.

Elements and performance criteria

Element 1

Remove vehicle wheels.

Performance criteria

- 1.1 Types of wheels are identified.
- Range alloy, steel; car, light and/or heavy commercial vehicle.
- 1.2 Tools and equipment are selected to enable the wheels to be removed according to the vehicle manufacturer's specifications and company policy.
- Range may include but is 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 specified by the vehicle manufacturer.
- Range jack, hoist, stands.
- 1.4 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 to the supervisor according to company policy.
- 1.5 Safe working practices are carried out throughout the tasks according to legislative requirements.
- Range personal safety, safety to others; vehicle, tools, and equipment safety.
- 1.6 Tools and equipment are returned to their designated places in the workshop according to company policy.

Element 2

Replace vehicle wheels.

Performance criteria

- 2.1 Wheels are fitted in the same position from which they came off according to the vehicle 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 specified by the vehicle manufacturer.
- 2.4 Tools and equipment are put away in their designated places in the workshop according to company policy.

2.5 Safe working practices are carried out throughout the task according to legislative requirements.

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

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP 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 NZ Motor Industry Training Organisation (Incorporated) info@mito.org.nz if you wish to suggest changes to the content of this unit standard.