

Title	Remove and refit pneumatic tyres on wheels from heavy machines or equipment		
Level	4	Credits	2

Purpose	This unit standard is for people in the automotive heavy and tyre industries. People credited with this unit standard are able to remove and refit pneumatic tyres on wheels from heavy machines or equipment.
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Classification	Motor Industry > Tyres
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Available grade	Achieved
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Guidance Information

- 1 Evidence presented for assessment against the performance criteria of this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, company 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 current version – Health and Safety at Work Act 2015, Land Transport Rules: Tyres and Wheels 2001, Rule 32013; and any subsequent amendments and replacements.
- 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 policies and procedures, work instructions, 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; 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.

Heavy machines and equipment in this unit standard may include forklifts, earth moving equipment, grader equipment, loaders, dozers, tractors, and other heavy portable industrial equipment using tubed or tubeless radial and cross ply tyres or industrial cushion solid type (resilient) tyres.
- 4 Range

This unit standard involves the removal and refitting of tyres to wheels only.

Outcomes and performance criteria

Outcome 1

Remove and refit pneumatic tyres from wheels.

Performance criteria

- 1.1 The tyre is completely deflated prior to doing any other work on the wheel assembly.
- 1.2 The tyre bead is removed from its seat on the rim without damage to the tyre and wheel rim.
- 1.3 The lock ring and flange are removed from multi-piece wheels without stretching and bending components.
- 1.4 The tyre is removed from the wheel without damage to the tyre and wheel rims.
- 1.5 Condition of components are checked and cleaned.
- 1.6 Tyres are mounted to the wheel without damage to components.
- 1.7 The locking ring is installed to manufacturer's specifications.
- Range tapping pressure not to exceed 5 PSI.
- 1.8 The tyre is safely inflated to the tyre manufacturer recommended operating pressure and the valve cap is replaced.
- Range no person standing in front of the tyre while inflating the tyre and using a safety restraint.
- 1.9 The tyre is checked to ensure that no leaks exist.

Replacement information	This unit standard and unit standard 30220 replaced unit standard 24462.
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Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 May 2017	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>.

Comments on this unit standard

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