

Title	Rectify belt and chain drive system faults on plant or machinery		
Level	4	Credits	3

Purpose	<p>This unit standard is intended for people in the automotive repair industry.</p> <p>People credited with this unit standard are able to rectify belt drive and chain drive faults on plant or machinery.</p>
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Classification	Motor Industry > Automotive Transmission Systems
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 24321, *Demonstrate knowledge of belt and chain drive systems on plant and machinery* before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 4 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 5 Definitions

Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

Service information refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Suitable tools and equipment refer to 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.
- 6 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

Outcomes and performance criteria

Outcome 1

Rectify belt drive faults on plant or machinery.

Range may include – vee belt drives, flat belt drives, toothed belt drives.

Performance criteria

- 1.1 Belt drive is removed from the plant or machinery.
- 1.2 Worn and damaged belts and pulleys are returned to full serviceability.
Range replace with approved replacement parts, repair, adjust.
- 1.3 The belt drive is replaced on the plant or machinery, the system is tested for correct operation, and the results are noted.

Outcome 2

Rectify chain drive faults on plant or machinery.

Range may include – single roller chain, multiple roller chain, link chain.

Performance criteria

- 2.1 Chain drive is removed from the plant or machinery.
- 2.2 Worn and damaged chains and sprockets are returned to full serviceability.
Range replace with approved replacement parts, repair, adjust.
- 2.3 Any chain tensioning device which is part of the chain drive system is returned to full serviceability.
Range may include – replace with approved replacement parts, repair, adjust.
- 2.4 The chain drive is replaced on the plant or machinery, checked for operational security and efficiency, and lubricated as specified by the manufacturer.

Replacement information	This unit standard and unit standard 24321 replaced unit standard 2343.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2008	31 December 2022
Review	2	27 May 2021	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.