

<b>Title</b>	<b>Demonstrate knowledge of automatic transmissions</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	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 demonstrate knowledge of a torque converter, an automatic transmission, and a constantly variable transmission (CVT).
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<b>Classification</b>	Motor Industry > Automotive Transmission Systems
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 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 and legislative 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 of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements
- 3 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* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of a torque converter.

#### Performance criteria

- 1.1 Components of a torque converter are identified.
- 1.2 Operation of a torque converter is described.

**Outcome 2**

Demonstrate knowledge of an automatic transmission.

**Performance criteria**

2.1 Components of an automatic transmission are identified.

Range may include – gear sets, bands, clutches, oil pump, solenoids, valves.

2.2 Operation of an automatic transmission is described.

**Outcome 3**

Demonstrate knowledge of a CVT.

**Performance criteria**

3.1 Components of a CVT are identified.

3.2 Operation of a CVT is described.

<b>Replacement information</b>	This unit standard replaced unit standard 24330 and unit standard 29373.
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<b>Planned review date</b>	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	26 October 2017	

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.