

<b>Title</b>	<b>Demonstrate knowledge of drivelines and final drives</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 driveline layouts, components and final drives.
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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 driveline layouts.

#### Performance criteria

- 1.1 Types of driveline layout are described.

Range may include – front wheel drive, rear wheel drive, four-wheel drive, all-wheel drive.

**Outcome 2**

Demonstrate knowledge of driveline components.

Range may include – transfer case, drive shafts, constant velocity joints, universal joints, viscous coupling.

**Performance criteria**

- 2.1 Driveline components are identified.
- 2.2 Operation of driveline components is described.

**Outcome 3**

Demonstrate knowledge of final drives.

**Performance criteria**

- 3.1 Final drive components are identified.
- 3.2 Operation of final drives is described.

Range may include – open differential, limited slip differential, differential lock, chain drive, belt drive.

<b>Replacement information</b>	This unit standard replaced unit standard 918, unit standard 24307 and unit standard 24325.
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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	N/A

<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.