

Title	Describe automotive pneumatic principles and systems		
Level	3	Credits	6

Purpose	People credited with this unit standard are able to describe automotive pneumatic principles, and automotive pneumatic systems.
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Classification	Motor Industry > Automotive Pneumatics
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Available grade	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, company requirements 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 or replacements.
- 3 Definitions
Company requirements refers 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.

Outcomes and performance criteria

Outcome 1

Describe automotive pneumatic principles.

Performance criteria

- 1.1 Pneumatic principles are described.

Range atmospheric pressure, air pressure, units of measurement.

Outcome 2

Describe automotive pneumatic systems.

Performance criteria

2.1 The components of a pneumatic system are described.

Range compressor, governor, unloader, air tanks, air dryer, emergency air supply, air lines, low pressure warning switch, filters, valves; check, safety, relay, quick release, breakaway, ratio, treadle, trailer control.

2.2 The operation of pneumatic actuators is described.

Replacement information	This unit standard replaced unit standard 2340.
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Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	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.