

Title	Demonstrate knowledge of tools and equipment used in the motor industry		
Level	2	Credits	2

Purpose	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 hand tools, workshop equipment, and precision measuring equipment used in the motor industry.
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Classification	Motor Industry > Motor Industry - Introductory Skills
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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, and company requirements.
- 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 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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of tools and equipment used in the motor industry.

Performance criteria

1.1 Hand tools and their uses are described.

Range may include – allen keys, chisels, files, hacksaw, hammers, pliers, punches, screwdrivers, socket sets, spanners, wire brushes, tin snips;
evidence of 10 is required.

1.2 Power or pneumatic tools and their uses are described.

Range may include – drills, grinders, polishers, sanders, impact guns and sockets;
evidence of five is required.

1.3 Workshop equipment and its uses are described.

Range may include – air compressor, buff, cleaning equipment, exhaust extractors, floor creeper, hoist, inspection light, jacks, lifting equipment, press, protective covers, pullers, soldering equipment, axle stands, vehicle alignment equipment, welding or heating equipment;
evidence of 10 is required.

1.4 Precision measuring equipment and their uses are described.

Range includes – torque wrench;
may include – dial test indicators (DTI), micrometers, vernier calipers, feeler gauges, straight edge, telescopic gauges;
evidence of five is required.

Replacement information	This unit standard replaced unit standard 21669.
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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	26 October 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.