

Title	Demonstrate knowledge of an automotive climate control system		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of an automotive climate control system.
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Classification	Motor Industry > Automotive Heating, Ventilation, and Air Conditioning
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 30565, *Demonstrate knowledge of an automotive air conditioning system* and Unit 30885, *Demonstrate knowledge of automotive diagnostic and repair procedures* 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 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; 2015; Hazardous Substances and New Organisms Act 1996; Ozone Layer Protection Act 1996; Resource Management Act 1991; Ozone Layer Protection Regulations 1996; Australia and New Zealand Refrigerant Handling Code of Practice 2007, Parts 1 and 2 and any subsequent amendments or replacements.
- 4 Should the air conditioning system require recovering, evacuating and/or recharging of refrigerant, this work must be completed by the holder of an Approved Filler Test Certificate.
- 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 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.

- 6 Machines may include – forklifts, earth moving equipment, grader equipment, loaders, dozers, tractors, agricultural equipment, dump trucks, prime movers; electric machines including – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of an automotive climate control system.

Performance criteria

- 1.1 Climate control system components are identified.
 Range control panel, sensors, motors, electronic control unit (ECU).
- 1.2 Climate control system operation is described.
- 1.3 Diagnosis of climate control system faults is described.

Replacement information	This unit standard replaced unit standard 24450.
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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	29 March 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.