

<b>Title</b>	<b>Diagnose and repair faults in an automotive climate control system</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to diagnose and repair faults in an automotive climate control system.
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<b>Classification</b>	Motor Industry > Automotive Heating, Ventilation, and Air Conditioning
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 31127, *Demonstrate knowledge of an automotive climate control system* 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:
  - Hazardous Substances and New Organisms Act 1996;
  - Health and Safety at Work Act 2015;
  - 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 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.

- 5 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.
- 6 Evidence for this unit standard can come from refrigerant or electrical related faults from a manual, semi-automatic or automotive HVAC system.

## Outcomes and performance criteria

### Outcome 1

Diagnose and repair faults in an automotive climate control system.

Range evidence of faults in two separate systems is required.

### Performance criteria

1.1 Climate control system faults are diagnosed.

Range may include but is not limited to – accessing fault codes, efficiency checks, sensors, motors, electronic control checks, pressure test, visual inspection.

1.2 Climate control system faults are repaired.

<b>Replacement information</b>	This unit standard replaced unit standard 906.
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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	29 March 2018	N/A
Revision	2	16 December 2021	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.