

Title	Identify an automotive wiring diagram and translate information to a circuit		
Level	3	Credits	3

Purpose	<p>This unit standard is intended for people in the motor and related industries.</p> <p>People credited with this unit standard are able to: identify and isolate a specified circuit on an automotive wiring diagram; and translate automotive wiring diagram information to a circuit.</p>
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Classification	Motor Industry > Automotive Electrical and Electronics
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 24105, *Demonstrate knowledge of wiring and wiring diagrams used in automotive circuits* 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 Performance of the outcomes of this unit standard must comply with the following:
Health and Safety at Work Act 2015;
Land Transport Rule: Vehicle Repair 1998.
- 4 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 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 refers to technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
Suitable tools and equipment means industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

Outcomes and performance criteria

Outcome 1

Identify and isolate a specified circuit on an automotive wiring diagram.

Performance criteria

- 1.1 The specified wiring diagram is identified.
- 1.2 The particular circuit is isolated (traced out) from the others.

Outcome 2

Translate automotive wiring diagram information to a circuit.

Performance criteria

- 2.1 The coding and routing of wires for any particular circuit shown on the diagram are matched with those on the vehicle.
- 2.2 The location and specification of components and connectors, for any particular circuit shown on the diagram, are verified with those on the vehicle.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 October 1993	31 December 2022
Review	2	4 October 1996	31 December 2022
Review	3	26 February 1999	31 December 2022
Review	4	25 January 2008	31 December 2022
Review	5	25 March 2021	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.