

<b>Title</b>	<b>Manufacture and install an automotive wiring harness</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to manufacture and install an automotive wiring harness.
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<b>Classification</b>	Motor Industry > Automotive Electrical and Electronics
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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 31128, *Demonstrate knowledge of automotive wiring harness design and manufacture* 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; Land Transport Rules: Vehicle Equipment 2004, Rule 32017; Vehicle Lighting 2004, Rule 32005; and any subsequent amendments and 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 of four separate wiring harnesses, and associated diagrams, for four separate applications is required.

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## Outcomes and performance criteria

### Outcome 1

Manufacture and install an automotive wiring harness.

### Performance criteria

1.1 Wiring harness is manufactured and installed.

Range may include – engine management, interior lighting for a passenger coach, accessory fitment requiring the manufacture of a harness containing more than eight wires.

1.2 Produce a wiring diagram for the manufactured harness.

Range component identification and location, connector and terminal identification, wire identification by number or colour coding, legend.

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<b>Replacement information</b>	This unit standard replaced unit standard 975.
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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

<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>.

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### Comments on this unit standard

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.