

Title	Demonstrate knowledge of plumbing systems and gasfitting in the coachbuilding industry		
Level	3	Credits	2

Purpose	People credited with this unit standard are able to demonstrate knowledge of plumbing systems and gasfitting in the coachbuilding industry.
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Classification	Motor Industry > Coachbuilding
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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 manufacturer's specifications, service information, company and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard may include the current version of the Hazardous Substances and New Organisms Act 1996; Health and Safety at Work Act 2015 and any subsequent amendments and 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, manufacturer specifications, 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 plumbing systems in the coachbuilding industry.

Performance criteria

- 1.1 The scope of plumbing work carried out in the coachbuilding industry is described.
- Range water cylinder, water pump, waste, waste containment, toilet, external shower systems.
- 1.2 The different sources of greywater and blackwater are identified.
- 1.3 The installation of hot water and cold water plumbing in a coach is described.
- 1.4 Acceptable reticulated water temperature requirements are identified.
- 1.5 The function of hepVO valves is described.
- 1.6 The position of components within a plumbing system are identified.
- Range hepVO valves, isolation valves, insulation, pipework support.

Outcome 2

Demonstrate knowledge of gasfitting in the coachbuilding industry.

Performance criteria

- 2.1 Legislation and relevant bodies involved in gasfitting in the coachbuilding industry are identified.
- 2.2 Fabrication of enclosures is described.
- Range sealing, venting.
- 2.3 Gas lines are described.
- Range type, protection, distance from electrical cables, identification of gas and electrical supply.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 August 2020	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 the MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.