

Title	Explain operations, servicing and repairing of a carburettor system in a marine engine		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to explain; carburettor operations, servicing procedures and fault diagnosis, and repair and replacement procedures for a carburettor in a marine engine.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Definition
Manufacturers' specifications refer to technical information of a boat or product detailing: operation; installation and servicing procedures; technical terms and descriptions; or illustrations. Manufacturers' specifications must be followed to ensure compliance with manufacturer warranty, safe operation, and operation that meets manufacturer performance claims.
- 2 Assessment information
 Evidence presented for assessment against this unit standard must be in accordance with manufacturers' specifications.

Outcomes and performance criteria

Outcome 1

Explain carburettor operations in a marine engine.

Performance criteria

- 1.1 Functions and operations of carburettor components are explained.

Range carburettor components include – air filter, choke valve, venturi, throttle valve, cables, jet, and float chamber (float valve, float arm, float).

Outcome 2

Explain servicing procedures and fault diagnosis for a carburettor.

Performance criteria

- 2.1 Servicing procedures of a carburettor are explained.
- 2.2 Methods of diagnosing carburettor faults are explained.
- Range evidence of two diagnostic methods is required.

Outcome 3

Explain repair and replacement procedures for a carburettor in a marine engine.

Performance criteria

- 3.1 Repair and replacement viability is explained in terms of the diagnostic process.
- 3.2 Repair and replacement procedures for a carburettor are explained.

Planned review date	31 December 2030
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	31 December 2027
Review	2	29 May 2025	N/A

Consent and Moderation Requirements (CMR) reference	0136
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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 Engineering, Manufacturing and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to this unit standard.