

Title	Demonstrate basic knowledge of a carburettor system in a marine engine		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of carburettor operations, explain the servicing procedures and fault diagnosis, and explain repair and replacement procedures for a carburettor in a marine engine.
----------------	--

Classification	Boating Industries > Boatbuilding
-----------------------	-----------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

Definition

Service Information refers to technical information of a boat or product detailing: operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; or illustrations.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of carburettor operations in a marine engine.

Performance criteria

1.1 Functions and operations of carburettor components are explained in accordance with service information.

Range carburettor components include – air filter, choke valve, venturi, throttle valve, cables, jet, 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 is explained in accordance with service information.

2.2 Methods of diagnosing carburettor faults are explained in accordance with service information.

Range evidence of two diagnostic methods and type of fault in each method is required.

Outcome 3

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

Performance criteria

3.1 Repair and replacement procedures for a carburettor are explained in accordance with service information.

Planned review date	31 December 2023
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	N/A

Consent and Moderation Requirements (CMR) reference	0136
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.