

Title	Dismantle, inspect, assemble and test simple marine system components		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: dismantle, inspect, and repair or replace; assemble, and test simple marine system components.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:

- [Health and Safety at Work Act 2015](#)
- [Resource Management Act 1991](#)
- [Hazardous Substances and New Organism Act 1996](#)

Any new, amended or replacement Acts, regulations, rules, 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.

- 2 Definitions

Job specifications refer to the standard requirements of the job being undertaken.

Manufacturers' specifications refer to technical information of a boat or product detailing: operation, installation and servicing procedures; technical terms and descriptions; and illustrations. Manufacturer specifications must be followed to ensure compliance with manufacturer warranty, safe operation, and operation that meets manufacturer performance claims.

Simple marine system components refer to simple items or parts of marine machinery or equipment. These items or parts may include but are not limited to gate valve, ball valve, filters, pressure gauges, flow meters, temperature sensors, small pumps.

Workplace policies and procedures refer to the documented procedures and policies providing guidelines for the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to eliminate hazards and/or risks in the workplace.

- 3 Assessment information

Range

Evidence of at least two simple components is required.

Outcomes and performance criteria

Outcome 1

Dismantle simple marine system components.

Performance criteria

- 1.1 Components are dismantled in accordance with manufacturers' specifications.

Outcome 2

Inspect, and repair or replace simple marine system components.

Performance criteria

- 2.1 Components are inspected to conform to manufacturers' specifications and in accordance with job specifications.
- 2.2 Faulty components are assessed for repair or replacement in accordance with workplace policies and procedures.
- 2.3 Faulty components are repaired or replaced in accordance with workplace policies and procedures.

Outcome 3

Assemble and test simple marine system components.

Performance criteria

- 3.1 Components are assembled in accordance with workplace policies and procedures.
- 3.2 Assembled components are tested to ensure conformity to manufacturers' and job specifications.

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	14 December 2017	31 December 2027
Review	2	26 June 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.