

Title	Disassemble and rectify faults on a marine engine long block		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to disassemble and check a marine engine long block, and rectify faults on a marine engine long block.
----------------	---

Classification	Motor Industry > Trailer Boat Systems
-----------------------	---------------------------------------

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

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](#)

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

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

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 manage hazards and/or risks in the workplace.

Outcomes and performance criteria

Outcome 1

Disassemble and check a marine engine long block.

Performance criteria

- 1.1 Components of a marine engine long block are disassembled and checked to determine the condition in accordance with manufacturers' specifications.
- Range components may include but are not limited to – cylinder block, piston rings, connecting rod, crankshaft, timing gears, core plugs, cylinder head, valves, valve train.
- 1.2 Report is made in accordance with workplace policies and procedures.

Outcome 2

Rectify faults on a marine engine long block.

Performance criteria

- 2.1 Faults on a marine engine long block are rectified in accordance with manufacturers' specifications.
- 2.2 Components of marine engine long block are re-assembled in accordance with manufacturers' specifications.
- Range components – cylinder block, piston rings, connecting rod, crankshaft, timing gears, core plugs, cylinder head, valves, valve train.
- 2.3 Rectified faults are checked and tested to ensure manufacturers' specifications are met.

Planned review date	31 December 2030
----------------------------	------------------

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
--	------

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 skill standard.