

Title	Carry out an automotive engine block disassembly, inspection and reassembly		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to carry out an automotive engine block disassembly, inspection and reassembly.
----------------	--

Classification	Motor Industry > Engines
-----------------------	--------------------------

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

Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements 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 include but are not limited to the current version of the 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, 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.
- 4 It is recommended that people hold credit for Unit 30891, *Describe engine disassembly, inspection and reassembly*, before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Carry out an automotive engine block disassembly, inspection and reassembly.

Performance criteria

- 1.1 Engine block is disassembled.

- 1.2 Engine block components are inspected for signs of failure or potential failure.
Range may include – visual inspection, cleaning, precision measurement, crack test, pressure test, hardness test.
- 1.3 Cam followers (if fitted) are inspected and machined or replaced.
- 1.4 Oil pump is dismantled, inspected and clearances are checked.
- 1.5 Engine block is reassembled.
Range may include – camshaft, bearing clearances, crankshaft end float, piston ring end gap and positioning, torque settings.

Planned review date	31 December 2025
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2021	N/A

Consent and Moderation Requirements (CMR) reference	0014
--	------

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

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.