

Title	Disassemble, inspect and reassemble an outdoor power equipment engine		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to disassemble, inspect and reassemble an outdoor power equipment engine.
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Classification	Motor Industry > Engines
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Available grade	Achieved
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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

Disassemble, inspect and reassemble an outdoor power equipment engine.

Range evidence of two two-stroke and two four-stroke engines is required.

Performance criteria

1.1 Engine is disassembled.

1.2 Engine components are inspected and measured.

Range components may include – piston(s), cylinder(s), bearings, crankshaft, connecting rod(s), cylinder head assembly, camshaft.

1.3 Engine is reassembled.

Range may include – bearing clearances, crankshaft end float, piston ring end gap, torque settings, timing.

Replacement information	This unit standard was replaced by skill standard 40481.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2019	31 December 2027
Review	2	27 March 2025	31 December 2027

Consent and Moderation Requirements (CMR) reference	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.