

Title	Inspect manual starting system components and rectify component faults on a small engine		
Level	3	Credits	1

Purpose	<p>This unit standard is intended for people in the automotive and related repair industries who are required to repair small engines.</p> <p>People credited with this unit standard are able to: inspect manual starting system components on a small engine; and rectify faulty manual starting system components on a small engine.</p>
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Classification	Motor Industry > Engines
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 24276, *Demonstrate knowledge of manual starting systems used on small engines* before being assessed against this unit standard.
- 2 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.
- 3 Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 4 Any new, amended or replacement Acts, regulations, 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.
- 5 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 refers to technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Small engines refer to those that are generally single cylinder and include but are not limited to motorcycle engines, outboard engines, lawnmower engines, chainsaw engines, garden equipment, generators, auxiliary power units.

Suitable tools and equipment refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

Outcomes and performance criteria

Outcome 1

Inspect manual starting system components on a small engine.

Performance criteria

- 1.1 The operation of the manual starting system is checked and any faults are identified and noted.
- 1.2 The manual starting system is disassembled.
- 1.3 Mechanical components are inspected for wear and damage, and the need for repair and/or replacement is determined and recorded.

Range spring, rope, engagement and clutch assemblies.

Outcome 2

Rectify faulty manual starting system components on a small engine.

Performance criteria

- 2.1 The feasibility of a repair is determined based on relevant factors.
Range relevant factors include but are not limited to – type and extent of repair required, cost of repair, availability and cost of replacement, life expectancy, guarantee.
- 2.2 A recommendation to repair and/or replace components is made.
- 2.3 The manual starting system is reassembled without damage to the components.
- 2.4 The reassembled manual starting system is checked to ensure normal operation has been restored.

Replacement information	This unit standard and unit standard 24276 replaced unit standard 928.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2008	31 December 2022
Review	2	29 April 2021	N/A

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>.

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.