

Title	Overhaul an ignition distributor		
Level	3	Credits	2

Purpose	<p>This unit standard is intended for people in the automotive electrical repair industry.</p> <p>People credited with this unit standard are able to: test and inspect an ignition distributor; rectify distributor faults; and assemble and test the distributor.</p>
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Classification	Motor Industry > Automotive Electrical and Electronics
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 30574, *Demonstrate knowledge of ignition systems* 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.

Suitable tools and equipment means 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.

- 6 Range
This unit standard includes two of the following types of distributor – contact breaker, magnetic pulse, Hall effect, optical trigger.
- 7 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.
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Outcomes and performance criteria

Outcome 1

Test and inspect an ignition distributor.

Performance criteria

- 1.1 The distributor is tested to determine if it is faulty, and the nature of any fault identified and noted.
- 1.2 The distributor is disassembled.
- 1.3 Distributor components are cleaned, visually inspected for wear and damage, and the need for replacement determined, depending on extent of wear and damage.
- 1.4 Wear of moving parts is determined by measurement and the need for replacement is determined.
- 1.5 The distributor advance operation is tested.
- 1.6 Electrical components are tested and the need for replacement determined.

Outcome 2

Rectify distributor faults.

Performance criteria

- 2.1 Repairable components are restored to full serviceability.
- 2.2 Non-repairable faulty components are replaced with new parts.

Outcome 3

Assemble and test the distributor.

Performance criteria

- 3.1 The distributor is assembled, without damage to any of the parts.
- 3.2 The distributor is tested for operation.

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	28 September 1994	31 December 2022
Review	2	21 February 1999	31 December 2022
Review	3	25 January 2008	31 December 2022
Review	4	25 March 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.