

Title	Overhaul mechanical diesel fuel governors		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to dismantle and reassemble mechanical diesel fuel governors and bench test a mechanical diesel fuel governor.
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Classification	Motor Industry > Automotive Fuel Systems and Exhaust
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 34104, *Demonstrate knowledge of Bosch mechanical diesel fuel governors* and Unit 31405, *Demonstrate knowledge of Japanese diesel fuel governors* 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 Legislation, regulations 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.
- 4 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.
- 5 Types of Bosch mechanical governors may include RQ, RQV, RQV-K, RSV. Types of Japanese governors may include – RLD, RFD, RAD, R801-901.
- 6 For the purposes of this unit standard evidence, of overhauling two Bosch mechanical governors and two Japanese governors is required.

Outcomes and performance criteria

Outcome 1

Dismantle and reassemble mechanical diesel fuel governors.

Performance criteria

- 1.1 Governor assembly is dismantled.
- 1.2 All parts are cleaned to enable an inspection to be carried out.
- 1.3 A condition report is completed.
- Range inspection of parts, identifying and recording faults, recommending repairs and replacement of parts.
- 1.4 Governor is reassembled.

Outcome 2

Bench test a mechanical diesel fuel governor.

Performance criteria

- 2.1 Governor and fuel pump assembly are mounted and set up for testing and setting on a test bench.
- 2.2 Governor assembly is tested and calibrated.
- Range calibration, timing mark checked; may include – additional devices.
- 2.3 Governor and fuel pump assembly is removed from the test bench with fuel inlets and adjustments sealed.
- 2.4 Governor is packaged and stored correctly.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 August 2018	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.