

Title	Diagnose and repair faults in diesel fuel injection systems		
Level	4	Credits	6

Purpose	People credited with this unit standard are able to diagnose and repair faults in diesel fuel injection systems.
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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 24195, *Demonstrate knowledge of diesel fuel injectors* 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 Evidence of diagnosing and repairing faults in three separate systems is required to meet the requirements for assessment of this unit standard. A common rail diesel fuel injection system is required, including injector replacement and recoding.

Outcomes and performance criteria

Outcome 1

Diagnose and repair faults in diesel fuel injection systems

Performance criteria

- 1.1 The symptoms of the faults are verified and recorded.
- 1.2 Fuel system is tested following a logical systematic test procedure.
- Range may include – vehicle or machine performance, engine miss, diesel leaks.
- 1.3 Diesel fuel injection system faults are diagnosed.
- 1.4 Diesel fuel injection system is repaired.
- Range sealing, cleanliness of fuel injection system and surrounding area, torque settings, coding.
- 1.5 Engine is run to confirm rectification of faults.

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.