

Title	Perform minor servicing tasks on a diesel fuel system		
Level	2	Credits	2

Purpose	<p>This unit standard is intended for people who wish to enter or are employed in the automotive repair industry.</p> <p>People credited with this unit standard are able to remove and replace diesel fuel injectors, remove and replace a fuel filter, and bleed air from a diesel fuel system.</p>
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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 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 Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 3 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.
- 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 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 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

Remove and replace diesel fuel injectors.

Performance criteria

- 1.1 The injectors are disconnected and removed without damage to the injectors, pipes, and connections.
- 1.2 Replacement injectors are installed and connected.

Outcome 2

Remove and replace a fuel filter.

Performance criteria

- 2.1 The fuel filter is removed without damage to the fuel casing and any other componentry, and wasted fuel is disposed of in a manner that will not cause a hazard.
- 2.2 A new filter and gasket are selected, fitted, and tightened to the manufacturer's specifications, ensuring that dirt and moisture are kept out.

Outcome 3

Bleed air from a diesel fuel system.

Performance criteria

- 3.1 The fuel tank is checked to ensure sufficient fuel is available to carry out the task successfully.
- 3.2 Air is bled from the system.

Replacement information	This unit standard and unit standard 21677 replaced unit standard 241.
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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	27 July 2005	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.