

Title	Remove and replace a motor vehicle fuel tank		
Level	3	Credits	2

Purpose	This unit standard is for people who work in the motor industry. People credited with this unit standard are able to remove and replace a motor vehicle fuel tank.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	Achieved
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Guidance Information

- 1 **Legislation and references**
Performance of the outcomes of this unit standard must comply with the following:
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
Land Transport Rule: Vehicle Equipment 2004, Rule 32017.
- 2 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.
- 3 Land Transport Rules are available online at <https://www.nzta.govt.nz/>.
- 4 **Definitions**
Company requirements refer to instructions to staff on policy and procedures which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – company specifications and procedures, work instructions, manufacturer specifications, product quality specifications and legislative requirements.
Service information may include but is not limited to – technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations.
- 5 **Range**
Assessment against this unit standard applies to removing and replacing petrol and/or diesel fuel tanks.
- 6 **Assessment**
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, company and legislative requirements.

- 7 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.
- 8 Recommended skills and knowledge
Unit 23990, *Demonstrate knowledge of motor vehicle fuel tanks and replacing fuel tanks*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Remove a motor vehicle fuel tank.

Performance criteria

- 1.1 Tank wiring is disconnected.
- 1.2 Fuel is drained from the tank into an appropriate storage container.
- 1.3 Pipes are disconnected and plugged to ensure no leakage and no foreign matter gets into them.
- 1.4 Parts that are likely to interfere with tank removal are disconnected and removed.
- 1.5 Attachment points are identified, and the tank is removed.

Outcome 2

Replace a motor vehicle fuel tank.

Range new and existing.

Performance criteria

- 2.1 Components that make up the fuel tank are selected and fitted to a new tank.
Range may include but is not limited to – sender unit, outlet and inlet pipes, venting, baffles, plug.
- 2.2 Original tank pipes are reconnected.
- 2.3 The tank is fitted and secured.
- 2.4 Fuel is added to the tank and the tank is checked for leaks.

Replacement information	This unit standard and unit standard 23990 replaced unit standard 5768.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2007	31 December 2018
Review	2	8 December 2016	31 December 2027
Review	3	25 May 2023	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.