

Title	Carry out pre-start vehicle checks on a heavy motor vehicle, prepare vehicle for use, and shut it down		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to: carry out pre-start checks on a heavy motor vehicle; prepare vehicle for use; and shut down the vehicle after use.
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Classification	Commercial Road Transport > Commercial Road Transport Skills
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Available grade	Achieved
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Prerequisites	Drivers must hold a current full driver licence appropriate to the class of vehicle being driven.
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
 - Health and Safety at Work Act 2015;
 - Land Transport Act 1998.

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.

- 2 Definitions

Heavy motor vehicle may include a motor vehicle that is of Class MD3, MD4, ME, NB, NC, TC or TD; or has a gross vehicle mass that exceeds 3500 kg and is not of a class specified in the Table of vehicle classes as listed from Waka Kotahi NZTA website <https://www.nzta.govt.nz/>.

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.

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the commercial road transport sector.

3 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Outcomes and performance criteria

Outcome 1

Carry out pre-start checks on a heavy motor vehicle.

Performance criteria

- 1.1 Vehicle documentation is checked for validity and any discrepancies are remedied or reported.
- 1.2 Engine compartment is inspected, and any faults are reported, corrected, or repaired.
- Range may include but is not limited to – fluid levels, leaks, belts and pulleys, electrical systems, hoses.
- 1.3 Initial walk-around inspection is conducted, and any damage or faults are repaired or reported.
- Range checks may include but are not limited to – doors, latches, locks, brake mechanisms, brake hoses, air tanks, suspension system, U-bolts, fuel tank, exhaust system, frame and cross members, air lines, spare tyre and frame, lights and reflectors, indicators, coupling system, splash guards, electrical lines, load security.
- 1.4 Tyres, wheels and hubs are inspected, and any faults or damage are corrected or reported.
- 1.5 Ancillary equipment is checked.
- Range vehicle tools, safety equipment, emergency equipment, load securing devices.
- 1.6 Mirrors, glass, and lenses are cleaned and checked for damage. Any damaged parts are replaced or reported.

Outcome 2

Prepare vehicle for use.

Performance criteria

- 2.1 The engine is started, and any malfunctions are corrected or reported.

- 2.2 Instruments, gauges and warning lights are checked for correct operation.
- 2.3 Primary and secondary controls are checked for operation and faults are repaired or reported.

Range primary controls include steering mechanism, clutch, transmission, accelerator, brakes;
secondary controls may include – horn/s, interior lights, indicators, high beam, windscreen washers and wipers, dash light, hazard lights.

Outcome 3

Shut down the vehicle after use.

Performance criteria

- 3.1 The engine is shut down.
- 3.2 All electrical equipment is turned off unless it is required for the safety of the vehicle or its load.
- 3.3 Air tanks are bled if required.
- 3.4 Documentation, if required, is completed.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 May 1999	31 December 2017
Revision	2	14 September 2000	31 December 2017
Review	3	22 March 2005	31 December 2017
Review	4	16 April 2015	31 December 2020
Review	5	29 November 2018	31 December 2025
Review	6	29 June 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.