

Title	Overhaul light vehicle clutch cover assemblies and repair and/or replace associated components		
Level	3	Credits	2

Purpose	This unit standard is for people in the automotive repair industry. People credited with this unit standard are able to disassemble and inspect a light vehicle clutch cover assembly and associated components, and rectify faults and reassemble a clutch cover assembly and repair and/or replace associated components.
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Classification	Motor Industry > Automotive Transmission Systems
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to – Health and Safety in Employment Act 1992.
- 2 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.

Light vehicle refers to classes as listed from Land Transport New Zealand website table <http://www.landtransport.govt.nz/publications/infosheets/infosheet-1-10.html#classes>; passenger vehicle MA, MB, MC; omnibus MD, MD1, MD2; and goods vehicle NA.

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. This can be accessed in hard copy or electronic format and is normally sourced from the manufacturer.

Suitable tools and equipment means 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.
- 3 Range

This unit standard includes – diaphragm and coil spring type clutches.
- 4 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

- 5 The Health and Safety in Employment Act 1992 must be followed when completing this unit standard, especially in relation to removal of asbestos dust and the cleaning of components.
- 6 Recommended: Unit 239, *Demonstrate knowledge of automotive manual transmissions*.

Outcomes and performance criteria

Outcome 1

Disassemble and inspect a light vehicle clutch cover assembly and associated components.

Performance criteria

- 1.1 Suitable tools and equipment are selected and used that enable the clutch cover assembly to be disassembled in accordance with component service information.
- 1.2 Safe working practices are observed throughout the task in accordance with legislative requirements.

Range personal safety, safety of others, vehicle safety, workshop safety, environmental safety, tools and equipment safety.
- 1.3 The cover assembly is disassembled on a pressure plate jig, and parts laid out in order of disassembly, in accordance with service information.
- 1.4 Associated components are inspected for signs of wear, damage, and overheating, and their condition are noted in accordance with company requirements.

Range clutch plate, bearings, flywheel.
- 1.5 Parts are cleaned of dirt, oil and grease to enable an inspection to be carried out in accordance with service information.
- 1.6 Parts are inspected for wear and damage, and their condition noted, in accordance with service information.

Range visual inspection, precision measuring.
- 1.7 A decision whether to proceed with the overhaul of the assembly is made in accordance with relevant factors.

Range relevant factors include – extent of wear and damage, availability of parts, warranty, cost of new assembly.

Outcome 2

Rectify faults and reassemble a clutch cover assembly and repair and/or replace associated components.

Performance criteria

- 2.1 Suitable tools and equipment are selected and used that enable the clutch cover assembly to be repaired and assembled in accordance with component service information.
- 2.2 Safe working practices are observed throughout the task in accordance with legislative requirements.
- Range personal safety, safety of others, vehicle safety, workshop safety, environmental safety, tools and equipment safety.
- 2.3 Replacement parts that enable the assembly to be overhauled to component specifications are procured in accordance with company requirements.
- 2.4 The assembly is not contaminated by dirt, oil, or grease as a result of carrying out the task.
- Range cleanliness of – work bench, assembly jig, component tray, hands.
- 2.5 The plate surface is machined to component manufacturer specifications.
- 2.6 Parts are installed, lubricated and adjusted to component manufacturer specifications.
- 2.7 The overhauled clutch cover assembly is tested to ensure its operation meets component manufacturer specifications.
- 2.8 Associated clutch components are repaired and/or replaced to meet component manufacturer specifications.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 February 1995	31 December 2020
Review	2	21 February 1999	31 December 2020
Review	3	25 February 2008	31 December 2020
Review	4	26 April 2018	31 December 2020

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>.

This unit standard is Expiring