

Title	Demonstrate knowledge of heavy equipment clutch steering systems and fault diagnosis and repair procedures		
Level	4	Credits	2

Purpose	This theory-based unit standard is for people in the automotive heavy repair industry. People credited with this unit standard are able to demonstrate knowledge of heavy equipment clutch steering systems, and diagnosing and repairing heavy equipment clutch steering systems.
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Classification	Motor Industry > Vehicle Steering and Suspension
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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 Definition
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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of heavy equipment clutch steering systems.

Performance criteria

- 1.1 Steering clutch components are identified in accordance with service information.
- 1.2 Clutch steering operation is described in accordance with service information.

Outcome 2

Demonstrate knowledge of diagnosing and repairing heavy equipment clutch steering systems.

Performance criteria

- 2.1 Procedures to diagnose clutch steering faults are described in accordance with service information.
- 2.2 Procedures for removing the brake assembly are described in accordance with service information.
- 2.3 Procedures for dismantling and inspecting steering clutches are described in accordance with service information.

 Range includes but is not limited to – cleaning, examining for wear and damage, parts stored to maintain positional integrity.
- 2.4 Dismantling and inspecting the brake linings for wear are described, and wear limits identified, in accordance with service information.
- 2.5 Procedures for inspecting the brake bands and linkage for wear and damage are described in accordance with service information.
- 2.6 Repair procedures are described in accordance with service information.

Replacement information	This unit standard and unit standard 24437 replaced unit standard 2346.
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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	25 January 2008	31 December 2020
Review	2	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>.