

Title	Demonstrate knowledge of vehicle driveline components		
Level	3	Credits	2

Purpose	This theory-based unit standard is for people who wish to enter or are employed in the motor industry. People credited with this unit standard are able to demonstrate knowledge of vehicle driveline 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 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 (this includes the knowledge and/or use of suitable tools and equipment).
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of including updated amendments to, and replacements of – Health and Safety at Work Act 2015; Land Transport Rules: Vehicle Repair 1998, Rule 34001; Vehicle Standards Compliance 2002, Rule 35001/1; *Vehicle Inspection Requirements Manual (VIRM) – In-service Certification*.
- 3 Land Transport Rules are available online at <https://www.nzta.govt.nz/>. The VIRM is available online at <http://vehicleinspection.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. This may be accessed 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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of vehicle driveline components.

Performance criteria

- 1.1 Function and operation of driveshafts are identified.
- Range may include but is not limited to – transmitting power, allowing movement of driveline assembly, adjusting changes in driveline length.
- 1.2 Types of driveshaft, types of drive axle, and their application are identified.
- Range rear wheel drive, front wheel drive, one-piece, two-piece.
- 1.3 Types of driveshaft joints and bearings are identified.
- Range includes but is not limited to – cross and yoke universal joint, constant velocity (CV) joints, drive couplings, support bearings, dampers, angles.
- 1.4 Procedure to check driveshafts and drive axles for serviceability is described in accordance with the VIRM requirements.
- Range may include but is not limited to – wear, damage, security, lubrication, balance, driveline angles, phasing.
- 1.5 Procedures for servicing and replacing universal joints and CV joints are described.
- Range may include but is not limited to – lubrication, replacement of parts.
- 1.6 Requirements for driveshafts, joints, and bearings are identified in accordance with the VIRM requirements.
- Range may include but is not limited to – security, damaged, bearing insecure or worn, joint worn or damaged, splines worn, bolts missing, modified.

Replacement information	<p>This unit standard, unit standard 918 and unit standard 24325 were replaced by unit standard 30561.</p> <p>This unit standard and unit standard 24308 replaced unit standard 921.</p>
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This unit standard is expiring. Assessment against this unit standard must take place by the last date for assessments set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 February 2008	31 December 2018
Review	2	21 April 2016	31 December 2020
Review	3	26 October 2017	31 December 2020

Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

This unit standard is expiring