

Title	Demonstrate knowledge of light trailer servicing requirements		
Level	3	Credits	2

Purpose	<p>This unit standard is intended for people in the motor or related industries.</p> <p>People credited with this unit standard are able to demonstrate knowledge of light trailer servicing requirements.</p>
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Classification	Motor Industry > Automotive Trailers
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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 service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Performance of the outcomes of this unit standard must comply with the following:
 - Health and Safety at Work Act 2015;
 - Land Transport Rules;
 - Vehicle Inspection Requirements Manual (VIRM), section *Trailers*;
 - New Zealand Standard NZS/AS 2513:1982 *Electrical connectors for trailer vehicles*;
 - New Zealand Standard NZS 5232:1993 *Specification for ball-and-socket type trailer couplings*;
 - New Zealand Standard NZS 5467:1993 *Code of practice for light trailers*.
- 3 The VIRM is available online at <http://vehicleinspection.nzta.govt.nz/>.
- 4 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.
- 5 Definitions

Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

Light trailer refers to classes TA and TB as specified in the Vehicle equipment standards classifications at <https://www.nzta.govt.nz/vehicles/vehicle-types/vehicle-classes-and-standards/vehicle-classes/>.

Service information refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations. *Suitable tools and equipment* refer to 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 light trailer servicing requirements.

Performance criteria

- 1.1 Suspension systems and tyre requirements for light trailers are identified.
Range single and multi-axle trailers.
- 1.2 Wiring requirements and electrical fittings are identified in accordance with NZS/AS 2513.
Range protection of wiring, routing, types of lamps.
- 1.3 Operation and servicing requirements of light trailer brakes are described.
Range hydraulic and mechanical.
- 1.4 Types of couplings and ball sizes are identified in accordance with NZS 5232.
- 1.5 The hazards of incorrect wiring of trailer plugs to the towing vehicle's electrical system are described.
Range damage to vehicle's electrical system, incorrect operation on the road.
- 1.6 Water immersion protection of trailer parts is described.
Range corrosion protection, brakes, wheel bearings and seals.
- 1.7 Safety checks on a light trailer are described in accordance with the VIRM and NZS 5467.

Replacement information	This unit standard and unit standard 23929 replaced unit standard 941.
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Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 September 2007	31 December 2022
Review	2	27 May 2021	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 MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.