

Title	Demonstrate knowledge of a hydraulic jack and attachments in the automotive industry		
Level	3	Credits	1

Purpose	<p>This theory-based unit standard is intended for people who work in the automotive industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of a hydraulic jack and attachments in the automotive industry.</p>
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Classification	Motor Industry > Collision Repair
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references
Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 2 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.
- 3 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.

Service information may include – vehicle structural repairer code of practice, 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.
- 4 Assessment
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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of a hydraulic jack and attachments in the automotive industry.

Performance criteria

- 1.1 Uses of a hydraulic jack are identified.
- 1.2 Principles of hydraulic jack operation are described.
- Range pump and ram, chains, attachments.
- 1.3 Uses of a hydraulic jack and how it operates in conjunction with other equipment are identified.
- Range other equipment may include but is not limited to – body realignment machines, vehicle lifting devices.
- 1.4 The importance of jack capacity and matching attachments when repairing vehicles is explained.
- 1.5 Chain sizes and hook types used with a hydraulic jack are identified.
- 1.6 The function of each attachment is described.
- Range may include but is not limited to – chains, extensions, ends, clamps.
- 1.7 Precautions to be observed when using a hydraulic jack and attachments are identified in relation to personal safety and safety of others.

Replacement information	This unit standard and unit standard 23977 replaced unit standard 5741.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2007	31 December 2022
Review	2	29 April 2021	31 December 2027
Review	3	25 May 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.