

<b>Title</b>	<b>Prepare and overhaul hydraulic braking system components from light vehicles</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to overhaul hydraulic braking system components from light vehicles; and overhaul hydraulic braking system components from light vehicles.
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<b>Classification</b>	Motor Industry > Vehicle Braking Systems
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 30568, *Demonstrate knowledge of brake systems* before being assessed against this unit standard.
- 2 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.
- 3 Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015;  
Land Transport Rule: Light-vehicle Brakes 2002;  
Land Transport Rule: Vehicle Repair 1998.
- 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 vehicle* refers to classes MA, MB, MC, MD, MD1, MD2 and NA 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.

- 6 Range  
may include – single and double acting wheel cylinders, single and tandem master cylinders, brake boosters (vacuum operated), vacuum pumps, single- and multi-piston callipers (fixed and floating types);  
evidence relating to a minimum of two components is required.
- 7 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

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## Outcomes and performance criteria

### Outcome 1

Prepare to overhaul hydraulic braking system components from light vehicles.

#### Performance criteria

- 1.1 Component parts are cleaned to enable an assessment of their condition to be made.
- 1.2 The work area is cleaned, to ensure that no dust, dirt, and foreign matter contaminate the components on reassembly.
- Range work bench, parts tray, hands, tools.

### Outcome 2

Overhaul hydraulic braking system components from light vehicles.

#### Performance criteria

- 2.1 Components are dismantled, and an inspection is carried out to determine overhaul requirements.
- Range precision measuring, cleaning, parts removed in order and set out for inspection.
- 2.2 A brake cylinder hone is used in a manner that ensures that the cylinder bore surface is free of surface imperfections.
- Range cast iron bores.
- 2.3 The components are reassembled without damage to any of the parts.
- 2.4 The components are tested, and any rectifications made.

<b>Replacement information</b>	This unit standard and unit standard 24408 replaced unit standard 938.
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<b>Planned review date</b>	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	25 January 2008	31 December 2022
Review	2	29 July 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.