

<b>Title</b>	<b>Make up brake pipes for a particular braking application</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>1</b>

<b>Purpose</b>	People credited with this unit standard are able to procure information relevant to making brake pipes; and make up a brake pipe to given shape, size, and specifications for a particular braking application.
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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 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 Rule: Light-vehicle Brakes 2002;  
Society of Automotive Engineers SAE Standard J533\_202005 Flares for Tubing.
- 3 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.
- 4 **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* 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.
- 5 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

## Outcomes and performance criteria

### Outcome 1

Procure information relevant to making brake pipes.

#### Performance criteria

1.1 The appropriate vehicle or machine manufacturer brake pipe specifications are obtained and recorded.

1.2 The brake pipe shape, size, and specifications are determined.

Range may include – comparison against original, measurement on vehicle or machine where original not available, selection of tube nut type.

### Outcome 2

Make up a brake pipe to given shape, size, and specifications for a particular braking application.

Range may include – copper tube, steel tube, copper-nickel tube, fittings to standards specified in special notes.

#### Performance criteria

2.1 The pipe is made to specifications.

Range pipe cut to length, fittings, 90° inverted flares, pipe bent to shape.

<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	29 October 1993	31 December 2022
Review	2	4 October 1996	31 December 2022
Review	3	26 February 1999	31 December 2022
Review	4	25 January 2008	31 December 2022
Review	5	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>.

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**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.