

Title	Demonstrate knowledge of automotive braking, steering and suspension system components in the collision repair industry		
Level	3	Credits	3

Purpose	This theory-based unit standard is for people who wish to enter or are employed in the collision repair industry. People credited with this unit standard are able to demonstrate knowledge of braking system components, steering system components and suspension system components.
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Classification	Motor Industry > Collision Repair
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Available grade	Achieved
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Explanatory notes

- 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.
- 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.
- 3 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.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of braking system components.

Evidence requirements

- 1.1 Components of a braking system and their location on a vehicle are identified.

1.2 The precautions to take when working around braking systems and their components are described.

Range protection of the anti-lock braking system, closing off pipes and hoses.

Outcome 2

Demonstrate knowledge of steering system components.

Evidence requirements

2.1 Components of a steering system and their location on a vehicle are identified.

Range rack and pinion, parallelogram, electric assist

2.2 The precautions to take when working around steering systems and their components are described.

Range disabling safety restraint systems

Outcome 3

Demonstrate knowledge of suspension system components.

Evidence requirements

3.1 Components of a suspension system and their location on a vehicle are identified.

Range mcpherson strut, independent, semi-independent

3.2 The precautions to take when working around suspension systems and their components are described.

Range protection of anti-lock braking system

Planned review date	31 August 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 August 2016	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>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the SSB MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.