

<b>Title</b>	<b>Remove and replace motorcycle steering and suspension components</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to remove steering and suspension components from a motorcycle, and replace and adjust steering and suspension components on a motorcycle.
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<b>Classification</b>	Motor Industry > Vehicle Steering and Suspension
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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 24429, *Demonstrate knowledge of motorcycle frame, steering, and suspension 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 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the:
  - Health and Safety at Work Act 2015;
  - Land Transport Rules: Steering Systems 2001, Rule 32003/1;
  - Vehicle Repair 1998, Rule 34001;
  - Vehicle Inspection Requirements Manual (VIRM) – In-service Certification;
  - and any subsequent amendments and replacements.
- 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* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.  
*Motorcycle* referred to in this unit standard includes on-road and off-road motorcycles and scooters.

## Outcomes and performance criteria

### Outcome 1

Remove and replace steering on a motorcycle.

#### Performance criteria

1.1 Steering is removed and replaced.

Range may include – handle bars, triple clamps, steering head bearings.

### Outcome 2

Remove and replace suspension components on a motorcycle.

#### Performance criteria

2.1 Suspension components are removed and replaced.

Range examples are – forks, fork seals, springs, shock absorbers, bushes.

2.2 Steering and suspension geometry is checked.

Range may include – steering axis, rake, caster angle, wheel alignment, chain adjustment and alignment.

<b>Planned review date</b>	31 December 2023
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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 2020
Review	2	26 April 2018	31 December 2020
Review	3	1 November 2018	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.