

<b>Title</b>	<b>Demonstrate knowledge of and rectify faults in a motorcycle clutch</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	This unit standard is for people in the motorcycle service industry. People credited with this unit standard are able to: demonstrate knowledge of motorcycle clutches; dismantle and inspect a motorcycle clutch and replace parts; and assemble and adjust the clutch.
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<b>Classification</b>	Motor Industry > Automotive Transmission Systems
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<b>Available grade</b>	Achieved
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### Explanatory notes

- 1 The following legislation and amendments are required to be consulted and followed where applicable:
  - Health and Safety in Employment Act, 1992.
- 2 Reference to *suitable tools and equipment* means industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task to a professional and competent manner with due regard to safe working practices.
- 3 Because of the particular nature of this unit standard, it is essential that the practical assessment evidence is obtained from commercial jobs in the workplace under normal workplace conditions.

### Outcomes and evidence requirements

#### Outcome 1

Demonstrate knowledge of motorcycle clutches.

Range single plate, multi-plate, centrifugal type, one-way type.

#### Evidence requirements

- 1.1 The types of motorcycle clutch in general use in motorcycles are identified.
- 1.2 The operation of motorcycle clutches and the power flow through them are described according to manufacturer's workshop manual descriptions.

**Outcome 2**

Dismantle and inspect a motorcycle clutch and replace parts.

**Evidence requirements**

- 2.1 Safe working practices are observed throughout the task.
- Range personal safety, safety of others, equipment and motorcycle safety.
- 2.2 Suitable tools and equipment are selected and used to enable the clutch to be dismantled and inspected.
- 2.3 The clutch or transmission is drained of oil, and the oil is disposed of in an environmentally safe manner.
- 2.4 The clutch is disassembled in the sequence and manner prescribed by the motorcycle manufacturer.
- 2.5 The clutch components are inspected for signs of damage, wear, and overheating, and an assessment is made to determine which parts are suitable for further use.
- Range pressure plate, clutch hub inner and outer, friction discs, steel discs, bearings, springs, weights, levers, one-way clutch.
- 2.6 Any parts that are not suitable for further service are replaced to motorcycle manufacturer's specifications.

**Outcome 3**

Assemble and adjust the clutch.

**Evidence requirements**

- 3.1 Safe working practices are observed throughout the task.
- Range personal safety, safety of others, equipment and motorcycle safety.
- 3.2 Suitable tools and equipment are selected and used to enable the clutch assembly to be assembled and adjusted.
- 3.3 The clutch is assembled in the manner and sequence prescribed by the motorcycle manufacturer.
- 3.4 The clutch or transmission is filled with oil according to motorcycle manufacturer's specifications.

- 3.5 The clutch operating mechanism is connected and adjusted to comply with the motorcycle manufacturer's specifications.

<b>Replacement information</b>	This unit standard and unit standard 927 have been replaced by unit standard 24309, unit standard 24310, unit standard 24311, unit standard 24312 and unit standard 24313.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 October 1993	31 December 2016
Review	2	4 October 1996	31 December 2016
Review	3	26 February 1999	31 December 2016
Review	4	25 February 2008	31 December 2016
Rollover	5	19 November 2010	31 December 2016
Rollover	6	18 February 2016	31 December 2020

<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>.

#### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, 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.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). 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.