



**Australian Government**

# **Assessment Requirements for AURJTX001 Diagnose and repair motorcycle clutch systems**

**Release: 1**

## Assessment Requirements for AURJTX001 Diagnose and repair motorcycle clutch systems

### Modification History

| Release   | Comment                 |
|-----------|-------------------------|
| Release 1 | New unit of competency. |

### Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- diagnose and repair a fault in two of the following motorcycle clutch systems:
  - wet multi-plate clutch system, in doing so removing, replacing or refitting the clutch pack
  - cable operated clutch system
  - hydraulic operated clutch system.

### Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to diagnosing and repairing motorcycle clutch systems, including procedures for handling transmission fluids and clutch materials
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from transmissions and clutches
- operating principles of motorcycle clutch systems and associated components, including coefficient of friction
- application, purpose and operation of components of motorcycle wet multi-plate clutch, slipper clutch and dry clutch systems and components, including:
  - pressure plates, including:
    - coil spring
    - diaphragm
  - types and compatibility of clutch system oils and additives
  - clutch operating systems, including:

- cable
- hydraulic
- diagnostic testing procedures for motorcycle clutch systems, including procedures for analysing:
  - component wear
  - abnormal system noise
- repair procedures for motorcycle clutch systems, including procedures for removing, dismantling, reassembling and adjusting system components
- post-repair testing procedures for motorcycle clutch systems.

## Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the motorcycle clutch systems that they have worked on, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- motorcycle repair workplace or simulated workplace
- workplace instructions
- manufacturer motorcycle clutch system specifications
- two different motorcycles with faults in the clutch systems specified in the performance evidence
- diagnostic equipment for motorcycle clutch systems
- tools, equipment and materials appropriate for repairing motorcycle clutch systems.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>