



Australian Government

**Assessment Requirements for AURJTD004
Diagnose and repair motorcycle steering
systems**

Release: 1

Assessment Requirements for AURJTD004 Diagnose and repair motorcycle steering 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 the steering systems of two different motorcycles, in which the work must involve removing, refitting or replacing, and adjusting:
 - headset bearings
 - front fork units in the triple clamps
 - handlebars.

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 steering systems, including procedures for:
 - working with stored energy in springs
 - handling steering system bearing grease
- operating principles of motorcycle steering systems and associated components, including:
 - wheelbase
 - steering axis angle
 - fork offset
 - fork length
 - trail
 - wheel flop

- application, purpose and operation of the following components of motorcycle steering systems and components, including:
 - head tubes
 - headset bearings
 - triple clamps
 - hydraulic steering dampers
- diagnostic testing procedures for motorcycle steering systems, including:
 - analysing component wear
 - checking abnormal system noises
- repair procedures for motorcycle steering systems, including procedures for:
 - removing, refitting and adjusting triple clamp forks
 - aligning front axles
- post-repair testing procedures for motorcycle steering 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 steering 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 steering system specifications
- two different motorcycles with steering system faults
- diagnostic equipment for motorcycle steering systems
- tools, equipment and materials appropriate for repairing motorcycle steering 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>

