



Australian Government

**Assessment Requirements for AURJTQ002
Diagnose and repair motorcycle driveline
systems**

Release: 1

Assessment Requirements for AURJTQ002 Diagnose and repair motorcycle driveline 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 following driveline systems of three different motorcycles:
 - one chain drive system, in which the work must involve removing, replacing or refitting the chain and sprockets
 - one belt drive system, in which the work must involve removing, replacing or refitting the belt and sprockets
 - one shaft drive system, in which the work must involve removing, replacing or refitting the drive shaft.

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 driveline systems, including procedures for handling shaft and chain driveline oils and lubricants
- environmental requirements, including procedures for trapping, storing and disposing of oils and lubricants released from shaft and chain drivelines
- operating principles of motorcycle driveline systems and associated components, including final drive gear ratios for:
 - chain drive systems
 - belt drive systems
 - shaft drive systems
- application, purpose and operation of motorcycle driveline systems and components, including:

- chain drive systems, including:
 - chain construction, including chain pitch, roller width and roller diameter
 - cush drives
 - types of sprockets
- belt drive systems, including:
 - belt construction
 - methods of tensioning belts
- shaft drive systems, including:
 - side gear assemblies
 - final gear assemblies
- diagnostic testing procedures for motorcycle driveline systems, including procedures for analysing:
 - component wear
 - abnormal system noise
- repair procedures for motorcycle driveline systems, including procedures for:
 - repairing chain drives, including:
 - procedures for removing and refitting front and rear chain sprockets
 - procedures for removing chains and fitting new chains
 - procedures for adjusting chain tension and wheel alignment
 - repairing belt drives, including:
 - procedures for removing and refitting toothed belt sprockets
 - procedures for removing belts and fitting new belts
 - procedures for measuring and adjusting belt tension and wheel alignment
 - repairing shaft drive systems
- post-repair testing procedures for motorcycle driveline 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 driveline 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 driveline system specifications
- one motorcycle with a fault in its chain drive system
- one motorcycle with a fault in its belt drive system
- one motorcycle with a fault in its shaft drive system
- diagnostic equipment for motorcycle driveline systems
- tools, equipment and materials appropriate for repairing motorcycle driveline systems.

Links

Companion Volume implementation guides are found in VETNet -

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

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