



Australian Government

Assessment Requirements for AURJTQ102 Diagnose and repair motorcycle driveline systems

Release: 1

Assessment Requirements for AURJTQ102 Diagnose and repair motorcycle driveline systems

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- diagnose and repair a fault in the following driveline systems of at least three different motorcycles, each time repairing a different one of the following:
 - 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

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to diagnose and repair motorcycle driveline systems, including:
 - information provided by customers and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to diagnose and repair motorcycle driveline systems, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials

- recycling procedures
- workplace health and safety (WHS) requirements relating to diagnosing and repairing motorcycle driveline systems, including procedures for handling shaft and chain driveline oils and lubricants
- environmental requirements relating to diagnosing and repairing motorcycle driveline systems, including procedures for trapping, storing and disposing of oils released from shaft and chain drivelines
- 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

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

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