



Australian Government

Assessment Requirements for AURJTD104 Diagnose and repair motorcycle steering systems

Release: 1

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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 steering systems of at least two different motorcycles, in which the work for each must involve removing, refitting or replacing, and adjusting the following:
 - headset bearings
 - front fork units in the triple clamps
 - handlebars.

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 steering systems, including:
 - information provided by customers and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to diagnose and repair motorcycle steering 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 steering systems, including procedures for:
 - working with stored energy in springs
 - handling steering system bearing grease
- environmental requirements relating to diagnosing and repairing motorcycle steering systems
- operating principles of motorcycle steering systems, including:
 - wheelbase
 - steering axis angle
 - fork offset
 - fork length
 - trail
 - wheel flop
- purpose and operation of motorcycle steering systems and components, including:
 - head tubes
 - headset bearings
 - triple clamps
 - hydraulic steering dampers
- diagnostic testing procedures for motorcycle steering systems, including procedures for analysing:
 - abnormal system noises
 - component wear analysis
- 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

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 faults in the steering systems specified in the performance evidence
- diagnostic equipment for motorcycle steering systems
- tools, equipment and materials appropriate for repairing motorcycle steering 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>