



Australian Government

Assessment Requirements for AURJTB002 Analyse and evaluate faults in motorcycle braking systems

Release: 1

Assessment Requirements for AURJTB002 Analyse and evaluate faults in motorcycle braking 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:

- analyse and evaluate a fault in the:
 - mechanical braking system of a motorcycle
 - hydraulic braking system of a different motorcycle
 - anti-lock braking (ABS) system of a third motorcycle.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to analysing and evaluating faults in motorcycle braking systems, including procedures for:
 - lifting and supporting motorcycle braking systems
 - managing and controlling brake dust and brake fluid
- environmental requirements, including procedures for trapping, storing and disposing of brake dust and brake fluid released from braking systems
- principles and processes involved in planning and implementing analysis and evaluation of motorcycle braking system faults
- design and planning of diagnostic procedures of motorcycle braking system faults, including procedures for diagnosing:
 - hydraulic faults
 - mechanical faults
 - electrical faults
- procedures for analysing and evaluating motorcycle braking system faults, including:

- system failure analysis
- component failure analysis
- types, functions, operation and limitations of motorcycle braking systems and components, including:
 - friction materials
 - mechanical systems
 - hydraulic systems
 - ABS systems
 - electronic control circuits and valves
- testing procedures for motorcycle braking systems, including:
 - mechanical cables and linkages
 - hydraulic lines and cylinder integrity and leaks
 - operation of electronic control module
 - stopping efficiency
- types, functions, operation and limitations of diagnostic testing equipment required to analyse and evaluate faults in motorcycle braking systems
- procedures for documenting and reporting the analysis and evaluation process
- requirements of Australian Design Rules (ADRs) relating to motorcycle braking 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 braking 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:

- automotive repair workplace or simulated workplace
- workplace instructions
- manufacturer motorcycle braking system specifications
- three different motorcycles with faults in the braking systems specified in the performance evidence
- diagnostic equipment for motorcycle braking systems
- tools, equipment and materials appropriate for analysing and evaluating motorcycle braking systems.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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