



Australian Government

Assessment Requirements for AURBTB002 Service bicycle hydraulic braking systems

Release: 1

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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 standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- service, adjust and test three different bicycle hydraulic braking systems
- during work on the above three bicycles, service the following:
 - master cylinder
 - hydraulic lines and linkages
 - cantilever, disc and drum brakes
 - integrated brake and gear levers.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to servicing bicycle hydraulic braking systems, including procedures for:
 - manually handling bicycles and their systems
 - identifying workplace hazards
 - using tools and equipment, including personal protective equipment (PPE)
 - identifying safe location for testing brakes
- environmental requirements, including procedures for disposing of waste materials
- bicycle braking system terminology
- application, purpose and function of bicycle hydraulic braking system principles
- key features of hydraulic braking system components, including:
 - master cylinder
 - hydraulic lines and linkages

- hydraulic fluid
- cantilever, disc and drum brakes
- integrated brake and gear levers
- types and use of tools and equipment used to service bicycle hydraulic braking systems
- techniques and processes for servicing bicycle hydraulic braking systems, including:
 - identification of bicycle hydraulic brake components, materials and specifications
 - fault identification
 - bicycle measuring techniques
 - hydraulic brake servicing and adjustment techniques
 - hydraulic brake testing procedures
- servicing options, including:
 - on- and off-site servicing
 - servicing and adjusting hydraulic braking system components
 - upgrading braking components.

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 bicycle hydraulic braking systems that they have serviced, e.g. service 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:

- bicycle workplace or simulated workplace, including location to test bicycle braking system
- workplace instructions detailing job requirements
- PPE required to service bicycle hydraulic braking systems
- manufacturer or brake component specifications and technical information for hydraulic braking system
- three different bicycles with the hydraulic braking system components specified in the performance evidence and requiring servicing
- tools and equipment appropriate for servicing bicycle hydraulic braking systems.

Links

Companion Volume implementation guides are found in VETNet -

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

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