



**Australian Government**

**Assessment Requirements for AURBTB003  
Repair and overhaul bicycle hydraulic  
braking systems**

**Release: 1**

# Assessment Requirements for AURBTB003 Repair and overhaul bicycle hydraulic 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 standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- repair and overhaul 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 repairing and overhauling 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
- purpose, classification and application 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 repair and overhaul bicycle hydraulic braking systems
- techniques and processes for repairing and overhauling bicycle hydraulic braking systems, including:
  - identification of bicycle hydraulic brake components, materials and specifications
  - fault identification
  - measuring techniques
  - hydraulic brake adjustment techniques
  - hydraulic brake testing procedures
- repair options, including:
  - on- and off-site repair
  - repairing 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 repaired and overhauled, 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:

- bicycle workplace or simulated workplace, including location to test bicycle braking system
- workplace instructions detailing job requirements
- PPE required to repair and overhaul 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 repair and overhaul
- tools and equipment appropriate for repairing and overhauling 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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