



Australian Government

**Assessment Requirements for AURBTD004
Repair and overhaul bicycle suspension
systems**

Release: 1

Assessment Requirements for AURBTD004 Repair and overhaul bicycle suspension 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 the following three different bicycle suspension systems according to manufacturer specifications:
 - elastomer and spring units system
 - mechanical system
 - hydraulic system.

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 suspension systems, including procedures for:
 - manually handling bicycles and their suspension systems
 - identifying workplace hazards
 - using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key bicycle suspension terminology
- types of bicycle suspension systems, system components and their functions
- application of mechanical and hydraulic principles as they relate to bicycle suspension systems
- suspension system components, including:
 - elastomer and spring units
 - mechanical system

- pneumatic system
- hydraulic system
- types and use of tools and equipment used to repair and overhaul bicycle suspension systems
- techniques and processes for repairing and overhauling bicycle suspension systems, including:
 - identification of bicycle suspension components, materials and specifications
 - fault identification
 - measuring techniques
 - suspension system adjustment techniques
 - suspension system testing procedures.

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 suspension 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 suspension system
- workplace instructions detailing job requirements
- manufacturer specifications and technical information for bicycle suspension systems
- PPE required to repair and overhaul bicycle suspension systems
- component parts as required
- three different bicycles with suspension systems requiring repair and overhaul
- tools and equipment appropriate for repairing and overhauling bicycle suspension systems.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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