



Australian Government

**Assessment Requirements for AURBTD104
Repair and overhaul bicycle suspension
systems**

Release: 1

Assessment Requirements for AURBTD104 Repair and overhaul bicycle suspension systems

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:

- repair and overhaul at least one of each of the following three different bicycle suspension systems according to manufacturer specifications:
 - elastomer and spring units system
 - mechanical system
 - hydraulic system.

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 repair and overhaul bicycle suspension systems, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to repair and overhaul bicycle suspension 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

- work health and safety (WHS) 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:
 - selection and checking of personal protective equipment
 - identification of bicycle suspension components, materials and specifications
 - fault identification
 - measuring techniques
 - suspension system adjustment techniques
 - suspension system testing procedures.

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 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.

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>