



Australian Government

Assessment Requirements for AURBT102 Service bicycle suspension systems

Release: 1

Assessment Requirements for AURBTD102 Service 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:

- service and test 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 service bicycle suspension systems, including:
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to service 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 servicing bicycle suspension systems, including procedures for:
 - manually handling bicycles and their suspension systems

- identifying workplace hazards
- using personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- bicycle suspension system terminology
- types of bicycle suspension systems and application of suspension mechanical principles
- service requirements of a bicycle suspension system
- types and use of tools and equipment used to service bicycle suspension systems
- techniques and processes for servicing bicycle suspension systems, including:
 - identification of bicycle suspension components, materials and specifications, including:
 - elastomer and spring units
 - mechanical systems
 - pneumatic systems
 - hydraulic systems
 - fault identification
 - bicycle measuring techniques
 - suspension system adjustment techniques
- suspension system testing procedures
- servicing options, including:
 - on- and off-site servicing
 - servicing and adjusting suspension system components
 - upgrading suspension components.

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 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 suspension system
- workplace instructions detailing job requirements
- manufacturer specifications for suspension systems
- PPE required to service bicycle suspension systems
- three different bicycle suspension systems specified in the performance evidence and requiring servicing and testing

- tools and equipment appropriate for servicing 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>