



Australian Government

Assessment Requirements for AURBTJ102 Service bicycle wheels and hubs

Release: 1

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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 at least three different bicycle wheels and at least three different hubs.

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 wheels and hubs, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to service bicycle wheels and hubs, 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 wheels and hubs, including procedures for:
 - manually handling bicycles and wheels
 - identifying workplace hazards
 - using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials

- key bicycle terminology relating to wheels and hubs
- application, purpose and function of bicycle wheels and hubs
- bicycle wheel and hub components, including:
 - spoke, disc and tri-spoke wheels
 - conventional, clincher, tubular, aero, deep dished and composite material wheel rims
 - quick release, allen head and nut wheel fasteners
 - vertical and horizontal frame lugs
 - disc, drum and coaster, and internal foot brake hubs
 - loose ball, cage and roller bearings
- types of lubricants and their application
- types and use of tools and equipment used to service bicycle wheels and hubs
- techniques for servicing bicycle wheels and hubs, including:
 - procedures for different types of bicycles
 - identifying wheel and hub service needs
 - selection and checking of personal protective equipment
 - wheel and hub specifications
 - wheel and hub mechanical principles
 - wear or faults in bicycle wheel and hubs
 - torque measurement and adjustment of wheels
 - wheel and hub 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 wheels and hubs 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
- workplace instructions detailing job requirements
- wheel and hub technical and component specifications
- PPE required to service bicycle wheels and hubs
- three bicycles with differing wheels and hubs requiring servicing and testing
- tools and equipment appropriate for servicing bicycle wheels and hubs.

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>