



Australian Government

Assessment Requirements for AURBCA102 Select and adjust bicycles to fit riders

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:

- select, fit and adjust at least three different bicycles to differing requirements and builds with a different rider for each bicycle.

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 select and adjust bicycles to fit riders, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to select and adjust bicycles to fit riders, 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 adjusting bicycles, including procedures for manually handling bicycles
- environmental requirements, including procedures for trapping, storing and disposing of waste grease and oils
- procedures for use, maintenance and storage of specialist bicycle tools and equipment, including personal protective equipment (PPE)

- bicycle types, categories and trends, including:
 - with and without gears
 - with lever-operated brakes
 - key bicycle terminology
 - bio-mechanical principles of cycling
- techniques and procedures for selecting and adjusting bicycles, including:
 - bicycle components and assembly methods
 - bicycle measuring techniques, including:
 - rider height and body shape
 - length of rider's arms and legs
- bicycle and component adjustment procedures, including:
 - checking frame size to match rider's physical attributes
 - checking and adjusting seat setting to fit rider
 - checking and adjusting handlebars and stem settings to fit rider
 - checking and adjusting clip-less pedal settings to match rider's needs
- features of rider comfort on a bicycle, including:
 - stability
 - efficiency
 - aerodynamics.

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 riders they have measured and fitted to a bicycle, e.g. bicycle order.

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 retail workplace or simulated workplace
- workplace instructions
- PPE required when fitting bicycle to rider
- bicycle manufacturer specifications
- three riders with differing requirements and build requiring bicycle fittings
- three different bicycle models, including:
 - with and without gears
 - with lever-operated brakes
- tools and equipment appropriate for selecting and adjusting bicycles to fit riders.

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>