



Australian Government

Assessment Requirements for AURBTA006 Assemble components for custom bicycles

Release: 1

Assessment Requirements for AURBTA006 Assemble components for custom bicycles

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:

- assemble, adjust and test one custom bicycle to meet customer requirements.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to assembling custom bicycles, including procedures for manually handling bicycles
- environmental requirements, including procedures for trapping, storing and disposing of waste grease and oils
- types of bicycles and range of components and accessories
- key bicycle terminology
- biomechanical principles of cycling
- techniques for measuring and/or selecting custom bicycle components, including:
 - procedures for using bicycle sizing measuring equipment
 - design requirements of bicycle frames and wheels
 - purpose and relationships of bicycle frames, wheels, suspension, drivetrain and steering systems
 - principles of bicycle safety
 - physical attributes to consider when selecting a bicycle frame, including:
 - height
 - body shape and weight distribution
 - length of arms and legs

- fitness, injuries and style of cycling
- key features and materials used in bicycle frames, wheels and components
- bicycle component specifications
- bicycle accessories and fitting requirements
- techniques for assembling, adjusting and testing custom bicycles, including:
 - custom build procedures
 - testing and adjustment methods
 - types and use of bicycle assembly tools and equipment
 - greasing and lubrication procedures
 - fitting and adjustment procedures for the accessories and components specified in the range of conditions as essential to bicycle set-up
 - post-assembly safety checks
 - bicycle and component adjustment 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 components for custom bicycles that they have selected and assembled, e.g. build 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
- personal protective equipment (PPE) required to assemble a custom bicycle
- bicycle and component manufacturer specifications
- customer requiring a custom bicycle
- a bicycle frame and components for assembly
- bicycle sizing measuring equipment
- tools and equipment appropriate for selecting components and assembling a custom bicycle.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>