



Australian Government

Assessment Requirements for AURBTR002 Install and adjust bicycle electronic gear shifters

Release: 1

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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:

- install and adjust electronic gear shifting components on two different bicycles.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to installing and adjusting bicycle electronic gear shifters, including procedures for:
 - manually handling bicycles and gear shifters
 - 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 electronic gear shifting components
- purpose and features of bicycle electronic gear shifting systems
- principles of electronic gear shifting operation
- types and use of tools and equipment used to install and adjust bicycle electronic gear shifters
- techniques and processes for installing and adjusting bicycle electronic gear shifting components, including:
 - identification of bicycle electronic gear shifter components, materials and specifications
 - fault and damage identification
 - measuring techniques

- electronic gear shifter adjustment techniques
- electronic gear shifter testing procedures
- methods of protecting bicycles from damage when installing and adjusting bicycle electronic gear shifting components.

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 bicycle electronic gear shifters they have installed and adjusted, 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 electronic gear shifters
- workplace instructions detailing job requirements
- manufacturer fitting instructions and specifications
- PPE required to install and adjust bicycle electronic gear shifting components
- bicycle electronic gear shifting components
- two different bicycles requiring the installation and adjustment of electronic gear shifting components
- tools and equipment appropriate for installing and adjusting bicycle electronic gear shifters.

Links

Companion Volume implementation guides are found in VETNet -

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

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