



Australian Government

AURBTV001 Remove, refit and adjust bicycle accessories

Release: 1

AURBTV001 Remove, refit and adjust bicycle accessories

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove, refit and adjust electrical and non-electrical bicycle accessories. It involves preparing for the work, selecting and using specialist tools and equipment, inspecting, removing and replacing bicycle accessories according to fitting instructions and manufacturer specifications, and completing workplace processes and documentation.

It applies to those working in the bicycle retail, service and repair industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Bicycle

Unit Sector

Technical - Accessories

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to remove, refit and adjust bicycle accessories	1.1 Job requirements are determined from workplace instructions 1.2 Bicycle accessory removal and fitting instructions are interpreted and accessory specifications are checked against customer requirements

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
	1.3 Accessories are inspected for quality and compared with customer requirements 1.4 Hazards associated with the work are identified and risks are managed 1.5 Tools and equipment, including personal protective equipment (PPE), are selected and checked for serviceability 1.6 Work area is prepared and work is planned to avoid damage to bicycle, minimise waste and use time efficiently
2. Remove accessories	2.1 Accessories to be removed or repaired are identified and checked according to manufacturer specifications 2.2 Accessories are removed in line with planned sequence according to workplace instructions and without causing damage to bicycle frame, other components and accessories
3. Fit, test and adjust accessories	3.1 Correct positioning of new or repaired accessories is determined with regard to operational requirements, aesthetics and customer requirements 3.2 Bicycle accessories are refitted according to job requirements, workplace procedures, and safety and environmental requirements 3.3 Refitted accessories are tested and adjusted as required according to job requirements and customer requirements
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations and bicycle is presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 4.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
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Skills	Description
Writing skills to:	legibly and accurately fill out workplace documentation, including inspection reports.
Oral communication skills to:	ask questions to clarify instructions and requirements, including with customers.
Numeracy skills to:	complete measurements for accessory fitting.
Technology skills to:	use specialist bicycle tools and equipment in line with workplace procedures.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Accessories</i> must include:	- bicycle computers - seats - bicycle carriers - pedals - water bottle frames.
<i>Safety and environmental requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - manually handling bicycles - identifying workplace hazards - using materials, tools and equipment, including PPE - environmental requirements, including procedures for disposing of waste materials.

Unit Mapping Information

Equivalent to AURBT001 Fit and adjust bicycle accessories

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURBTV001 Remove, refit and adjust bicycle accessories

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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:

- remove, refit and adjust three of the following bicycle accessories on different bicycles:
 - one bicycle computer
 - two of the following:
 - seat
 - bicycle carrier
 - pedals water bottle frame.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to removing, refitting and adjusting bicycle accessories, including procedures for:
 - manually handling bicycles
 - identifying workplace hazards
 - using materials, tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key bicycle and accessory terminology
- purpose of bicycle accessories and their relationship to safe bicycle use
- types and functions of bicycle accessories, including:
 - bicycle computers
 - seats
 - bicycle carriers
 - pedals

- water bottle frames
- types and use of tools and equipment used to remove, refit and adjust bicycle accessories
- techniques and processes for removing, refitting and adjusting bicycle accessories, including:
 - fitting instructions
 - fault identification
 - removal instructions
 - measuring techniques
 - adjustment techniques
 - testing 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 bicycle accessories that they have removed, refitted and adjusted, e.g. work 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
- technical specifications and fitting instructions for bicycle accessories
- PPE required to remove, refit and adjust bicycle accessories
- range of accessories specified in the performance evidence to be fitted on bicycles
- three different bicycles requiring accessories
- tools and equipment appropriate for removing, refitting and adjusting bicycle accessories.

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