



**Australian Government**

# **AURBCA002 Select and adjust bicycles to fit riders**

**Release: 1**

## AURBCA002 Select and adjust bicycles to fit riders

### Modification History

Release	Comment
Release 1	New unit of competency.

### Application

This unit describes the performance outcomes required to select and adjust a bicycle to suit its rider. It involves gathering rider information and matching the bicycle to the rider's ability and cycling requirements, adjusting the bicycle to fit, 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

Sales and Marketing

### 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 adjust bicycle	1.1 Job requirements are determined from workplace instructions 1.2 Customer cycling requirements and preferences are identified and confirmed 1.3 Physical attributes of customer are assessed through discussion, observation and if appropriate <i>measurements</i> 1.4 Suitable <i>bicycle</i> types and configurations are identified to match

<b>Elements</b>	<b>Performance Criteria</b>
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.
	customer requirements 1.5 Features and benefits of selected bicycle are discussed with customer
2. Adjust bicycle to fit the rider	2.1 Workplace procedures, manufacturer specifications, and <b><i>safety and environmental requirements</i></b> are sourced and interpreted 2.2 Hazards associated with the work are identified and risks are managed 2.3 Tools and equipment, including personal protective equipment (PPE), are selected and checked for serviceability 2.4 <b><i>Bicycle components are adjusted</i></b> to match rider's attributes and requirements using specialist tools and equipment and according to workplace procedures. 2.5 Customer test ride of bicycle is observed to confirm riding comfort and efficiency, and further adjustments are made as required
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace expectations and bicycle is presented ready for use 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 3.4 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.

<b>Skills</b>	<b>Description</b>
Learning skills to:	<ul style="list-style-type: none"> <li>locate appropriate sources of information efficiently.</li> </ul>
Oral communication skills to:	<ul style="list-style-type: none"> <li>listen actively and use questioning techniques to gather, clarify and confirm customer requirements and feedback</li> <li>use bicycle terminology that customers understand and relate to.</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>identify customer measurements for bicycle type, size, component and adjustment requirements.</li> </ul>

<b>Skills</b>	<b>Description</b>
Planning and organising skills to:	<ul style="list-style-type: none"> <li>plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.</li> </ul>

## 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.

<b><i>Measurements</i></b> must include:	<ul style="list-style-type: none"> <li>rider height</li> <li>rider body shape</li> <li>length of rider's arms and legs.</li> </ul>
<b><i>Bicycles</i></b> must include:	<ul style="list-style-type: none"> <li>with and without gears</li> <li>with lever-operated brakes.</li> </ul>
<b><i>Safety and environmental requirements</i></b> must include:	<ul style="list-style-type: none"> <li>work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for manually handling bicycles</li> <li>environmental requirements, including procedures for trapping, storing and disposing of waste grease and oils.</li> </ul>
<b><i>Adjusting bicycle components</i></b> must include:	<ul style="list-style-type: none"> <li>checking frame size to match rider's physical attributes</li> <li>checking and adjusting seat setting to fit rider</li> <li>checking and adjusting handlebars and stem settings to fit rider</li> <li>checking and adjusting clip-less pedal settings to match rider's needs.</li> </ul>

## Unit Mapping Information

Equivalent to AURBCA2002 Select and adjust bicycle to fit rider

## Links

Companion Volume implementation guides are found in VETNet -

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