



**Australian Government**

# **AURBTD103 Repair and overhaul bicycle steering systems**

**Release: 1**

## AURBT D103 Repair and overhaul bicycle steering systems

### Modification History

| Release   | Comments                                                                                                |
|-----------|---------------------------------------------------------------------------------------------------------|
| Release 1 | This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0 |

### Application

This unit describes the skills and knowledge required to repair and overhaul bicycle steering systems. The unit involves preparing for the work, selecting and using specialist tools and equipment, inspecting, repairing and testing the bicycle headset, handlebar and stem, and completing workplace processes and documentation.

The unit 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.

### Unit Sector

Bicycle Technical - Steering and Suspension

### Elements and Performance Criteria

| ELEMENTS                                                  | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>          | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                  |
| 1. Prepare to repair and overhaul bicycle steering system | 1.1 Determine job requirements from workplace instructions<br>1.2 Access and interpret manufacturer specifications, workplace procedures and other relevant technical information<br>1.3 Identify hazards associated with the work and manage risks<br>1.4 Select and check tools and equipment for serviceability<br>1.5 Plan work to avoid damage to bicycle, minimise waste and use time efficiently |
| 2. Inspect steering system                                | 2.1 Check bicycle steering system for faults and worn or damaged components using visual inspection methods and by comparison of measurements against manufacturer specifications<br>2.2 Identify, document and cost repair and replacement options                                                                                                                                                     |

| ELEMENTS                                            | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | for customer approval according to workplace procedures<br>2.3 Prepare work area, replacement parts and bicycle for repair work                                                                                                                                                                                                                                                                                                                                                                                          |
| 3. Carry out repair and overhaul of steering system | 3.1 Carry out repair and overhaul activities according to workplace procedures, work plan, and safety and environmental requirements<br>3.2 Check and fit required replacement parts according to manufacturer specifications<br>3.3 Check and test repaired steering system for required operation according to manufacturer specifications<br>3.4 Adjust repaired steering system and align as required according to workplace procedures<br>3.5 Report results and quality issues to authorised personnel as required |
| 4. Complete work processes                          | 4.1 Conduct final inspection according to workplace procedures and confirm bicycle is ready for use<br>4.2 Clear work area and dispose of or recycle materials according to workplace procedures<br>4.3 Complete documentation according to workplace procedures                                                                                                                                                                                                                                                         |

## Foundation Skills

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

| SKILL              | DESCRIPTION                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Learning           | <ul style="list-style-type: none"> <li>Locates required sources of information efficiently.</li> </ul>                                                                                     |
| Oral communication | <ul style="list-style-type: none"> <li>Asks questions to clarify instructions and requirements.</li> </ul>                                                                                 |
| Numeracy           | <ul style="list-style-type: none"> <li>Completes measurements to determine repair requirements.</li> </ul>                                                                                 |
| Problem solving    | <ul style="list-style-type: none"> <li>Identifies technical and operational faults and defects, quality issues and potential problems associated with bicycle steering systems.</li> </ul> |
| Technology         | <ul style="list-style-type: none"> <li>Uses specialist bicycle tools and equipment in line with workplace procedures.</li> </ul>                                                           |

## Unit Mapping Information

Supersedes and is equivalent to AURBT D003 Repair and overhaul bicycle steering systems.

## Links

Companion Volume Implementation Guide is found on VETNet -

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