



**Australian Government**

# **AURBTD102 Service bicycle suspension systems**

**Release: 1**

## AURBTD102 Service bicycle suspension 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 service bicycle suspension systems. The unit involves preparing for the work, selecting and using specialist tools and equipment, inspecting, servicing and testing the bicycle suspension system and its components, 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 service bicycle suspension system	1.1 Determine job requirements from workplace instructions 1.2 Access and interpret manufacturer specifications, workplace procedures and other relevant technical information 1.3 Inspect condition of bicycle suspension system for faults and worn or damaged components using visual and physical methods and compare with manufacturer specifications 1.4 Identify hazards associated with the work and manage risks 1.5 Select and check tools and equipment, including personal protective equipment (PPE), for serviceability 1.6 Prepare work area and plan service sequence to avoid damage to bicycle, minimise waste and use time efficiently
2. Carry out service of	2.1 Use tools and equipment according to workplace procedures

<b>ELEMENTS</b>	<b>PERFORMANCE CRITERIA</b>
suspension system	<p>and manufacturer specifications</p> <p>2.2 Service bicycle suspension system according to job requirements, manufacturer specifications, and safety and environmental requirements</p> <p>2.3 Test operation of serviced suspension system through its full range and make adjustments as required</p> <p>2.4 Report results and quality issues to authorised personnel as required</p>
3. Complete work processes	<p>3.1 Conduct final inspection according to workplace procedures and confirm bicycle is ready for use</p> <p>3.2 Clear work area and dispose of or recycle materials according to workplace procedures</p> <p>3.3 Complete documentation according to workplace procedures</p>

## Foundation Skills

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

<b>SKILL</b>	<b>DESCRIPTION</b>
Learning	<ul style="list-style-type: none"> <li>Locates required sources of information efficiently.</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Completes measurements to determine suspension system condition and operation</li> <li>Identifies and calculates bicycle suspension system settings and adjustments.</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Asks questions to clarify instructions and 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 suspension system during service activities.</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 AURBTD002 Service bicycle suspension systems.

## **Links**

Companion Volume Implementation Guide is found on VETNet -

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