



Australian Government

AURBTJ104 Repair and overhaul bicycle wheels and hubs

Release: 1

AURBTJ104 Repair and overhaul bicycle wheels and hubs

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 wheels with different hub, spoke and rim configurations. The unit involves preparing for the work, selecting and using specialist tools and equipment, repairing and testing the bicycle wheels and hubs to manufacturer specifications, 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 - Wheels and Tyres

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 wheels and hubs	1.1 Determine job requirements from workplace instructions, including wheel and hub repair methods and materials 1.2 Access and interpret manufacturer specifications, workplace procedures and other required technical information 1.3 Inspect bicycle wheels and hubs for worn or damaged components 1.4 Identify and confirm repair options and techniques, and identify hazards associated with the work 1.5 Source replacement wheel and hub parts and components 1.6 Select and check tools and equipment for serviceability 1.7 Plan work avoid damage to bicycle, minimise waste and use

ELEMENTS	PERFORMANCE CRITERIA
	time efficiently 1.8 Prepare work area and wheel and hub for repair or overhaul
2. Carry out repair and overhaul of bicycle wheels and hubs	2.1 Remove bicycle wheels according to manufacturer specifications and safety and environmental requirements 2.2 Check rims and adjust as required 2.3 Check spokes and replace any broken 2.4 Adjust and tension spokes 2.5 Use wheel truing equipment and techniques to check for required operation according to manufacturer specifications and adjust as required, prior to refitting wheel 2.6 Refit wheels and regrease wheel hubs according to workplace procedures 2.7 Report results and quality issues to authorised personnel as required
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 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"> Locates required sources of information efficiently.
Numeracy	<ul style="list-style-type: none"> Interprets wheel and hub specifications Calculates quantities of repair materials and components.
Oral communication	<ul style="list-style-type: none"> Asks questions to clarify instructions and requirements, including with the customer.
Technology	<ul style="list-style-type: none"> Uses specialist bicycle tools and equipment in line with workplace procedures.

Unit Mapping Information

Supersedes and is equivalent to AURBTJ004 Repair and overhaul bicycle wheels and hubs.

Links

Companion Volume Implementation Guide is found on VETNet -

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