



Australian Government

AURBTJ101 Remove, repair and refit bicycle tyres

Release: 1

AURBTJ101 Remove, repair and refit bicycle tyres

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 remove, repair and refit bicycle tyres. The unit involves preparing for the work, selecting and using specialist tools and equipment, removing the tyres and identifying tyre damage causes, repairing the tyres, inflating them to recommended pressure and fitting, and completing workplace processes and documentation.

The unit applies to those working in the bicycle retail, service and repair industry. The bicycle tyres to be repaired and refitted include road, off-road, tubed or tubeless.

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 remove, repair and refit bicycle tyres	1.1 Determine job requirements from workplace instructions and customer requirements 1.2 Source and interpret bicycle rim types and tyre manufacturer specifications and fitting instructions 1.3 Identify hazards associated with the work and manage risks 1.4 Select and check tools and equipment for serviceability 1.5 Prepare work area and plan work to avoid damage to bicycle, minimise waste, and use time efficiently
2. Carry out removal, repair and refitting of bicycle tyres	2.1 Identify and confirm repair options and techniques 2.2 Carry out removal, repair, refitting and testing of bicycle tyre and tube according to safety and environmental requirements

ELEMENTS	PERFORMANCE CRITERIA
	2.3 Remove, repair, refit and inflate tyres and tubes without causing damage to bicycle or wheels 2.4 Check refitted bicycle tyres and tube against customer requirements and test according to workplace procedures
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm bicycle is ready for use 3.2 Report problems outside own area of responsibility to required person 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	Locates required sources of information efficiently.
Numeracy	- Interprets stock codes and identify tyre sizes - Interprets and applies tyre inflation pressures from specifications.
Oral communication	Asks questions to clarify instructions and requirements, including with the customer.
Technology	Uses specialist bicycle tools and equipment in line with workplace procedures.

Unit Mapping Information

Supersedes and is equivalent to AURBTJ001 Remove, repair and fit bicycle tyres.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURBTJ101 Remove, repair and refit bicycle tyres

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- remove, repair, refit, inflate and test at least five different bicycle tyres, including at least one for each of the following types of bicycles:
 - road bicycle
 - hybrid
 - BMX
 - commuter.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to remove, repair and refit bicycle tyres, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to remove, repair and refit bicycle tyres, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) requirements relating to removing, repairing and refitting bicycle tyres, including procedures for:

- manually handling bicycles and tyres
- identifying workplace hazards
- using tools and equipment, including personal protective equipment (PPE)
- environmental requirements, including procedures for disposing of waste materials
- key bicycle terminology
- types and use of tools and equipment used to remove, repair and refit bicycle tyres
- techniques for removing, repairing and refitting bicycle tyres, including:
 - selection and checking of personal protective equipment
 - bicycle types and categories
 - tyre and tube sizes
 - rim size and rim material type, including:
 - steel
 - aluminium
 - composite material
 - inflation pressures and test procedures.

Assessment Conditions

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 tyres that they have removed, repaired and refitted, e.g. repair 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
- manufacturer tyre and rim specifications and fitting instructions
- PPE required to remove, repair and refit bicycle tyres
- bicycle wheels, tyres and tubes for the types of bicycles specified in the performance evidence
- tools and equipment appropriate for removing, repairing, refitting and inflating bicycle tyres.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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