



Australian Government

AURJTJ003 Remove and refit motorcycle wheel and tyre assemblies

Release: 1

AURJTJ003 Remove and refit motorcycle wheel and tyre assemblies

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to remove and refit wheel and tyre assemblies fitted to motorcycles. It involves preparing for the work, removing and refitting the wheel and tyre assembly, and completing the workplace processes and documentation.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry.

The unit is designed for use in a highly supervised context and is not suitable for use in a vocational qualification.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Mechanical - Motorcycle

Unit Sector

Technical - Wheels and Tyres

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 remove wheel and tyre assembly	1.1 Environmental and safety requirements are sourced and interpreted

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.
	1.2 Task instruction is interpreted and wheel and tyre assembly to be worked on is identified 1.3 Manufacturer specifications for removing and replacing wheel and tyre assembly are sourced and interpreted 1.4 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.5 Tools and equipment required for removing and replacing wheel and tyre assembly are identified and checked for serviceability
2. Remove wheel and tyre assembly	2.1 Motorcycle is prepared for wheel removal according to workplace procedures and safety requirements 2.2 Wheel and tyre assembly is removed according to workplace procedures and manufacturer specifications, and without causing damage to components, tools or equipment 2.3 Wheel and tyre assembly is identified according to manufacturer specifications
3. Refit wheel and tyre assembly	3.1 Wheel and tyre assembly is prepared for replacement 3.2 Wheel and tyre assembly is replaced according to workplace procedures, manufacturer specifications and safety requirements, and without causing damage to components, tools or equipment 3.3 Wheel and tyre assembly on motorcycle is checked for correct operation
4. Complete work processes	4.1 Final inspection is made to ensure work is to workplace expectations and motorcycle is presented ready for use 4.2 and recyclable material is collected 4.3 Tools and equipment are checked and stored according to workplace procedures 4.4 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.

Skills	Description
Learning skills to:	locate appropriate sources of information.

Skills	Description
Reading skills to:	interpret key information from manufacturer literature when seeking tyre, wheel specifications, including tightening procedures.
Writing skills to:	legibly and accurately fill out workplace documentation using correct industry terminology and conventions
Oral communication skills to:	participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Numeracy skills to:	interpret numerical information on tyre inflation gauges.
Technology skills to:	operate wheel and tyre assembly removal, refitting and adjustment tools and equipment.

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.

<i>Safety requirements</i> must include:	- work health and safety (WHS), occupational health and safety (OHS) requirements, including procedures for using: - safety glasses, ear protection and safety footwear - motorcycle lifting and supporting equipment - motorcycle wheel assembly removal and refitting equipment.
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Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURJTJ003 Remove and refit motorcycle wheel and tyre assemblies

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- remove, refit and adjust the front and rear wheel assemblies of one motorcycle.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to removing and refitting motorcycle wheel and tyre assemblies, including procedures for using:
 - safety glasses, ear protection and safety footwear
 - motorcycle lifting and supporting equipment
 - motorcycle wheel assembly removal and refitting equipment
- types of motorcycle wheels and tyres
- types and applications of motorcycle drives, including:
 - chain drive
 - belt drive
 - driveshaft drive systems
- procedures for removing and refitting motorcycle wheel and tyre assemblies, including:
 - axle nut tensioning
 - drive chain tensioning
- post-fitting procedures and checks of motorcycle wheel assemblies, including wheel and tyre assembly alignment.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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 motorcycle wheel and tyre assemblies that they have worked on, 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:

- automotive workplace or simulated workplace
- task instructions
- manufacturer motorcycle wheel and tyre assembly specifications
- one motorcycle
- tools, equipment and materials appropriate for removing and refitting motorcycle wheel and tyre assemblies.

Links

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