



**Australian Government**

# **AURTTJ001 Balance wheels and tyres**

**Release: 1**

# AURTTJ001 Balance wheels and tyres

## Modification History

Release	Comment
Release 1	New unit of competency.

## Application

This unit describes the performance outcomes required to balance automotive wheels and tyres. It involves identifying and confirming work requirements; preparing for the work; inspecting, balancing and refitting wheel and tyre assemblies; and completing workplace processes and documentation.

It applies to those working in the automotive service and repair industry. The wheels and tyres include those of agricultural machinery, heavy commercial vehicles, light vehicles, mobile plant machinery, motorcycles or trailers.

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

## Competency Field

Mechanical Miscellaneous

## Unit Sector

Technical – Wheels and Tyres

## Elements and Performance Criteria

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<b>Elements</b>	<b>Performance Criteria</b>
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 balance wheels and tyres	1.1 Job requirements are determined from workplace instructions 1.2 Wheel balancing information is sourced and interpreted 1.3 Hazards associated with the work are identified and risks are managed 1.4 Tools, equipment and materials are selected and checked for serviceability
2. Conduct wheel and tyre pre-balance inspection	2.1 Wheel and tyre pre-balance inspection is carried out according to manufacturer specifications, workplace procedures and <b><i>safety requirements</i></b> 2.2 Inspection findings are reported according to workplace procedures, including recommendations for necessary repair or replacement
3. Carry out balancing procedures	3.1 Wheel balancing machine is inspected and operated according to manufacturer specifications, workplace procedures and safety requirements 3.2 Wheel is balanced according to manufacturer specifications, workplace procedures and safety requirements, and without causing damage to wheel or tyre
4. Complete work processes	4.1 Final inspection is made to ensure work is to workplace expectations and vehicle or wheels are presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, 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.

<b>Skills</b>	<b>Description</b>
Learning skills to:	<ul style="list-style-type: none"> <li>locate appropriate sources of information efficiently.</li> </ul>

<b>Skills</b>	<b>Description</b>
Reading skills to:	<ul style="list-style-type: none"> <li>interpret information from manufacturer specifications and workshop literature relating to wheel balance procedures and specifications.</li> </ul>
Writing skills to:	<ul style="list-style-type: none"> <li>legibly and accurately fill out workplace documentation when reporting inspection findings, making recommendations, and recording parts and material used.</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>measure wheel balancing weights and use basic mathematical operations, including addition and subtraction, to calculate distances, tolerances and deviations from manufacturer specifications</li> <li>calculate balance weights in metric and imperial units of measurement</li> <li>set and calibrate wheel balancing machine.</li> </ul>
Technology skills to:	<ul style="list-style-type: none"> <li>operate wheel balance machines.</li> </ul>

## 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.

<b><i>Safety requirements</i></b> must include:	<ul style="list-style-type: none"> <li>work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: <ul style="list-style-type: none"> <li>lifting and supporting vehicles and wheels</li> <li>working with balancing machines, including rotating components and flying objects.</li> </ul> </li> </ul>
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## Unit Mapping Information

Equivalent to AURTTJ2001 Balance wheels and tyres

## Links

Companion Volume implementation guides are found in VETNet -

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

