



Australian Government

AURHTJ001 Inspect heavy commercial vehicle wheels and tyres

Release: 1

AURHTJ001 Inspect heavy commercial vehicle wheels and tyres

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect heavy commercial vehicle wheels and tyres according to manufacturer specifications. It involves preparing for the task, inspecting the wheels and tyres, and completing 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 - Heavy Vehicle

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 inspect heavy commercial vehicle wheels and tyres	1.1 Task instruction is interpreted and wheels and tyres to be worked on are identified 1.2 Inspection information is 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.
	1.3 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.4 Tools, equipment and materials are selected and checked for serviceability
2. Inspect wheel and tyre assemblies	2.1 Inspection is carried out according to manufacturer specifications, workplace procedures and safety requirements 2.2 Inspection results are compared with manufacturer specifications 2.3 Inspection findings are reported according to workplace procedures
3. Complete work processes	3.1 Final inspection is made to ensure work meets task instruction and workplace standards, and vehicle or wheels and tyres are presented ready for use 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected 3.3 Tools and equipment are checked and stored according to workplace procedures 3.4 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 information.
Reading skills to:	interpret key information from manufacturer and workshop literature when seeking inspection procedures and specifications relating to wheels and tyres.
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:	measure tread depth for comparison to manufacturer specifications

Skills	Description
	• measure tyre inflation pressures.

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) and occupational health and safety (OHS) requirements, including procedures for working with: • high air pressure • tyres and split and multi-piece wheel rims.
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Unit Mapping Information

Equivalent to AURHTJ1001 Inspect heavy commercial vehicle wheels and tyres

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 AURHTJ001 Inspect heavy commercial vehicle wheels and tyres

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Performance Evidence

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

- inspect two front and two rear wheels and tyres of a heavy commercial vehicle, including:
 - wheels
 - wheel attachments
 - tyre condition
 - inflation fittings.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) occupational health and safety (OHS) procedures, equipment, material and personal safety requirements relating to inspecting heavy commercial vehicle wheels and tyres, including procedures for working with:
 - high air pressure
 - tyres and split and multi-piece wheel rims
- identification and function of wheels, rims and tyres, including:
 - types of rims and wheels
 - tyre construction
 - tyre coding
 - tyre inflation
 - wheel and rim attachments
- inspection procedures for heavy commercial vehicle wheels and tyres, including:
 - tyre inflation
 - tyre tread depth

- flat spots
- cuts and damage
- sidewall condition
- abnormal tyre wear patterns
- wheel and rim condition
- wheel and rim attachments.

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 heavy commercial vehicle wheels and tyres that they have inspected 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 wheel and tyre specifications
- heavy commercial vehicle wheels and tyres as specified in the performance evidence n
- tools, equipment and materials appropriate for inspecting heavy commercial vehicle wheels and tyres.

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