



Australian Government

AURHTJ202 Select heavy vehicle tyres, wheels and rims

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Modification History

Release	Comments
1	This unit of competency was first released in AUR Automotive Retail, Service and Repair Training Package Release 9.0.

Application

This unit describes the skills and knowledge required to select heavy vehicle tyres, wheels and rims to suit specific applications. It involves identifying and confirming work requirements, preparing for the work, selecting tyres, wheels and rims and completing workplace processes and documentation.

The unit applies to those who work in the automotive service and repair industry. The tyres, wheels and rims include those of forklifts, heavy commercial vehicles or mobile plant machinery.

Licensing/Regulatory Information

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

Pre-requisite unit(s)

No prerequisite units.

Competency field(s)

N/A

Unit sector(s)

Mechanical - Heavy Vehicle Technical - Wheels and Tyres

Elements and Performance Criteria

Element	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 select wheel and tyre options	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret wheel and tyre information in order to identify wheel and tyre options required for the job 1.3 Identify hazards and issues associated with the work, assess potential risks and implement control measures from workplace health and safety requirements
2. Select wheels and tyres for specific applications	2.1 Assess technical compliance and economic benefits of tyre, wheel and rim options 2.2 Select tyres, wheels, and rims according to manufacturer specifications, workplace procedures, and Australian Design Rules
3. Complete work processes	3.1 Communicate selection to appropriate personnel or customer according to workplace procedures 3.2 Complete and process workplace 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
Reading	Interprets information from manufacturer specifications and workshop literature when seeking tyre, wheel and rim specifications
Writing	Accurately complete workplace documentation, making recommendations regarding selected wheels and tyres
Numeracy	- Interprets numerical information when selecting tyres, wheels and rims - Understands both metric and imperial units of measurement

Range of conditions

No conditions apply to this unit of competency at the time of publication.

Unit Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
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AURHTJ202 Select heavy vehicle tyres, wheels and rims	AURHTJ102 Select heavy vehicle tyres, wheels and rims	Updates to the Application, Elements, Performance Criteria, Foundation Skills, Performance Evidence, and Knowledge Evidence	Equivalent
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Assessment Requirements for AURHTJ202 Select heavy vehicle tyres, wheels and rims

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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:

- select the tyres, wheels and rims for four different heavy vehicles based on workplace instructions and according to manufacturer requirements
- accessing and interpreting information in manufacturer specifications relating to the selection.

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 apply manufacturer specifications for the following heavy vehicle wheels and tyres:
 - tubeless and tubed tyres
 - bias ply and radial ply tyres
 - demountable rims
 - disc wheels
 - tyre tread designs
- methods to locate and apply Australian Design Rules relating to heavy vehicle wheels and tyres
- procedures to communicate with customers about the selection of wheels and tyres
- workplace procedures relating to the selection of heavy vehicle tyres, wheels and rims, including:
 - documentation for heavy vehicle wheels and tyres
 - workplace housekeeping procedures
 - documentation procedures
- workplace health and safety requirements relating to heavy vehicle wheels and tyres

- heavy vehicle tyre, wheel and rim technical information, including:
 - heavy vehicle tyre fitment guide
 - tyre placards and sidewall markings
 - tyre and Rim Association of Australia Standards Manual
 - heavy vehicle wheel and tyre assembly terminology and codes
 - heavy vehicle tread patterns, and wheel and tyre assembly types
 - specific tyre applications for varying terrain, soil and weather conditions.

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 heavy vehicle tyres, wheels and rims that they have selected, 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 repair workplace or simulated workplace
- workplace instructions
- vehicle manufacturer tyre, wheel and rim specifications and tyre, wheel and rim fitment guide
- Australian Design Rules relating to heavy vehicle tyres, wheels and rims
- four different heavy vehicles for the selection of tyres, wheels and rims
- equipment and material appropriate for selecting heavy vehicle tyres, wheels and rims for specific applications.

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

Link

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/AUR>.