



Australian Government

AURLTJ104 Provide advice on the effects of light vehicle wheel and tyre combinations

Release: 1

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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 provide advice to customers regarding specific non-standard wheel and tyre combinations that could affect the ride and handling characteristics of their vehicle. It involves confirming customer needs, analysing technical needs and options, providing advice on compliance with Australian Design Rules (ADR), recommending best options for wheel and tyre combinations, and completing workplace processes and documentation.

This unit applies to those who work in the automotive service and repair industry. The wheel and tyre combinations include those for light vehicles, including four wheel drive (4WD) vehicles, light commercial vehicles or motorsport vehicles. This unit does not apply to agricultural machinery, heavy commercial vehicles, marine vessels, mobile plant machinery or motorcycles.

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

Unit Sector

Mechanical - Light Vehicle 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. Confirm customer requirement	1.1 Discuss wheel and tyre combinations with customer including alternative wheel and tyre combinations 1.2 Clarify and confirm specifications of proposed wheel and tyre combinations with customer
2. Locate and confirm	2.1 Consult technical product personnel from wheel and tyre

ELEMENTS	PERFORMANCE CRITERIA
data to inform technical opinion	manufacturers 2.2 Confirm and report compliance of wheel and tyre combinations with Australian Design Rules according to workplace procedures 2.3 Consult colleagues with technical knowledge and experience according to workplace procedures
3. Recommend wheel and tyre options that meet customer requirements	3.1 Discuss effects of wheel and tyre combinations on vehicle performance, handling and comfort with customer 3.2 Advise customer on suitability of wheel and tyre combination 3.3 Develop options that meet customer needs according to workplace procedures 3.4 Discuss implications of non-compliant wheel and tyre combination according to Australian Design Rules with customer 3.5 Complete 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 - Identifies ADR regulations
Reading	- Interprets ADR regulations - Interprets manufacturers' wheel and tyre technical specifications
Oral communication	- Clarifies and confirms information and instructions - Determines customer requirements through open-ended questioning, active listening, paraphrasing and summarising - Discusses compliance issues with colleagues and negotiate solutions - Presents technical information to customers using relevant language and clarifying information as required
Numeracy	- Interprets numerical information in wheel and tyre specifications - Interprets metric and imperial units of measurement

SKILL	DESCRIPTION
Problem solving	Determines suitable or alternative wheel and tyre combinations

Unit Mapping Information

Supersedes and is equivalent to AURLTJ004 Provide advice on the effects of wheel and tyre combinations.

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 AURLTJ104 Provide advice on the effects of light vehicle wheel and tyre combinations

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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:

- provide advice to three different customers on the effects of different wheel and tyre combinations on their vehicles' ride and handling characteristics.

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 provide advice on wheel and tyre combinations including:
 - information provided by customers and supervisors
 - Australian Design Rules (ADRs) relating to wheels and tyres
 - legislation concerning ADR compliance.
- wheel and tyre combinations, including:
 - wheel rim sizes
 - wheel material
 - wheel diameters
 - tyre sizes
 - tyre compounds
 - tyre tread designs.
- principles of wheel and tyre technology, including:
 - directional tyres
 - wheel offsets
 - wheel track
 - tyre to road contact
- effects of wheel and tyre combinations on vehicle comfort, handling and safety.

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 wheel and tyre advice that they have provided, e.g. work 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
- three different customers requiring advice on wheel and tyre combinations
- manufacturer wheel and tyre specifications
- ADRs relating to wheel and tyre combinations.

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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