



Australian Government

AURLTJ013 Remove, inspect and refit light vehicle wheel and tyre assemblies

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the skills and knowledge required to remove, inspect and refit light vehicle wheel and tyre assemblies. It involves identifying and confirming work requirements, preparing for the task, removing, inspecting and refitting wheel and tyre assemblies, and completing workplace processes and documentation.

This unit applies to those working within the automotive light vehicle service and repair industry. The wheel and tyre assemblies include those of light vehicles, light commercial vehicles or trailers. The work does not involve removing the tyre from the wheel. This unit does not apply to motorcycle or heavy vehicle wheel assemblies.

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

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.
1. Prepare to remove light vehicle wheel and tyre assembly	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret wheel and tyre assembly removal, inspection and refitting information 1.3 Identify hazards and environmental issues, assess potential risks and implement control measures in line with workplace policies 1.4 Identify tools, equipment and materials required for the job, and examine for serviceability
2. Remove and inspect wheel and tyre	2.1 Remove wheel and tyre assembly according to manufacturer and workplace procedures, workplace health and safety requirements

assembly	and without causing damage to components or systems 2.2 Inspect condition of wheel and tyre assembly, mounting points and fittings for damage and wear 2.3 Report inspection findings and make recommendations for necessary repairs or replacements and adjustments according to workplace procedures
3. Refit wheel and tyre assembly	3.1 Obtain and interpret refitting information in order to identify refitting options required for the job 3.2 Fit and adjust wheel and tyre assembly according to manufacturer specifications, workplace procedures and workplace health and safety requirements 3.3 Carry out tightening sequence and torque settings according to manufacturer specifications and workplace procedures 3.4 Examine wheel assembly for correct assembly and run-out according to manufacturer specifications and workplace procedures, and rectify any issues identified
4. Complete work processes	4.1 Carry out final inspection to ensure work meets workplace expectations and vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Examine and store tools and equipment according to workplace procedures 4.4 Complete workplace documentation 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 relevant sources of wheel and tyre assembly information efficiently
Reading skills to:	read and interpret information from manufacturer specifications, workplace procedures and documentation when seeking wheel and tyre removal, inspection, refitting and adjustment procedures and specifications
Writing skills to:	legibly and accurately fill out workplace documentation when reporting inspection findings, making repair recommendations, and recording parts and material used
Oral communication skills	clarify instructions

to:	make repair recommendations
Numeracy skills to:	- interpret numerical information in: - manufacturer and component supplier specifications - tyres and wheels - workplace instructions - tyre inflation gauges - understand numerical divisions in metric and imperial units of measurement
Technology skills to:	operate wheel attachment tools and equipment

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AURLTJ013 Remove, inspect and refit light vehicle wheel and tyre assemblies (Release 1)	AURLTJ003 Remove, inspect and refit light vehicle wheel and tyre assemblies (Release 1)	Wording changes to ensure compliance with Standards for Training Packages. Removal of OHS requirements. Removal of range of conditions. Changed from 'repair' to 'refit' in performance criteria. Addition of oral communication skills. Addition of assessor requirements.	Equivalent

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 AURLTJ013 Remove, inspect and refit light vehicle wheel and tyre assemblies

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Performance Evidence

The candidate must demonstrate the following according to the standards defined in the elements, performance criteria and foundation skills of this unit.

The candidate must demonstrate removing, inspecting and refitting a light vehicle wheel and tyre assembly that safely follows workplace procedures to meet required outcomes on at least three different light vehicle wheel and tyre assemblies. This includes:

- removing, inspecting and refitting three of the following wheel and tyre assemblies:
 - one steel wheel assembly
 - one alloy wheel assembly
 - one four wheel drive vehicle wheel assembly
 - one split or multi-piece wheel assembly
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Knowledge Evidence

The candidate must demonstrate the following knowledge:

Key policies and procedures relating to the removal, inspection and refitting of light vehicle wheel and tyre assemblies, including:

- how to locate and identify manufacturer specifications, manufacturer procedures and workplace procedures for removing, inspecting and refitting light vehicle wheel and tyre assemblies
- the following workplace health and safety requirements and procedures relating to removing, inspecting and refitting light vehicle wheel and tyre assemblies:
 - lifting and supporting vehicles
 - using wheel assembly removal tools
 - manually handling wheel assemblies
 - working with high air pressure
 - working with split and multi-piece wheels
- environmental procedures for removing, inspecting and refitting light vehicle wheel and tyre assemblies

- the following light vehicle wheel and tyre assembly removal, inspection and refitting procedures:
 - pre-removal inspections of wheel assemblies, including split and multi-piece wheels
 - removing, inspecting and refitting light vehicle wheel and tyre assemblies, including wheel nut tensioning procedures
 - post-fitting procedures and checks of light vehicle wheel assemblies, including wheel and tyre assembly run-out
- workplace housekeeping and documentation procedures

Key types and uses of different wheel assemblies, including:

- stamped or pressed steel wheels
- alloy wheels
- wheel studs and nuts
- run flat tyres
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Assessment Conditions

The assessment must:

- include access to:
 - an automotive repair workplace or simulated workplace that reflects workplace conditions - where simulation is used, it must reflect real working conditions by modelling industry operating conditions and contingencies, as well as, using suitable facilities, equipment and resources
 - repair order and workplace instructions relating to remove, inspect and refit activity
 - workplace procedures relating to remove, inspect and refit activity
 - manufacturer wheel and tyre specifications
 - three different light vehicles with the wheel and tyre assemblies specified in the performance evidence
 - tools, equipment and materials appropriate for removing, inspecting and refitting light vehicle wheel and tyre assemblies
- be demonstrated in the workplace or in a simulated environment that reflects workplace conditions
- be conducted in a safe environment
- be assessed in compliance with relevant policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances

Assessor requirements

Assessors of this unit must:

- satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards
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