



Australian Government

AURLTD106 Carry out light vehicle wheel alignment operations

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 carry out light vehicle wheel alignment operations. It involves identifying and confirming work requirements, preparing for the work, carrying out pre-alignment inspection, performing light vehicle wheel alignment, and completing workplace processes and documentation.

This unit applies to those who work in the automotive service and repair industry. The wheel alignment operations include those with light vehicles or light commercial vehicles. The unit does not apply to agricultural machinery, heavy commercial vehicles, mobile plant machinery or motorcycles.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Unit Sector

Mechanical - Light Vehicle Technical - Steering and Suspension

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. Prepare to carry out light vehicle wheel alignment	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret light vehicle wheel alignment pre-check information 1.3 Identify hazards and environmental issues, assess potential risks and implement control measures in line with workplace policies and procedures 1.4 Identify tools and equipment required for the job and establish serviceability according to workplace procedures
2. Carry out light vehicle	2.1 Test vehicle according to workplace procedures and

ELEMENTS	PERFORMANCE CRITERIA
wheel alignment pre-checks	workplace health and safety requirements 2.2 Complete vehicle wheel alignment pre-check according to manufacturer specifications, workplace procedures, and workplace health and safety requirements 2.3 Identify and report faults according to workplace procedures
3. Carry out vehicle wheel alignment activities	3.1 Obtain and interpret light vehicle wheel alignment information 3.2 Connect wheel alignment measuring equipment to vehicle according to manufacturer specifications and workplace procedures 3.3 Carry out wheel alignment and record readings 3.4 Carry out corrective adjustments to wheel according to manufacturer specifications, workplace procedures, and workplace health and safety requirements 3.5 Re-check wheel alignment and confirm accuracy of adjustments 3.6 Record post-adjustment wheel alignment readings according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Complete 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	<ul style="list-style-type: none"> Locates required sources of information efficiently.
Reading	<ul style="list-style-type: none"> Interprets safe operating procedures for wheel alignment equipment from workplace signs and procedures and manufacturer specifications Interprets information from manufacturer specifications and workshop literature when seeking vehicle wheel alignment specifications and procedures.
Numeracy	<ul style="list-style-type: none"> Measures steering and suspension system components Uses basic mathematical operations, including addition,

SKILL	DESCRIPTION
	subtraction and understanding angles in degrees <ul style="list-style-type: none"> • Calculates distances, tolerances and deviations from manufacturer specifications • Uses measurements in metric and imperial units of measurement.
Planning and organising	<ul style="list-style-type: none"> • Identifies and prepares tools and equipment to allow the job to be completed without time wastage • Plans own work requirements • Prioritises actions to achieve required outcomes • Ensures tasks are completed within workplace timeframes.
Technology	<ul style="list-style-type: none"> • Uses precision measuring equipment.

Unit Mapping Information

Supersedes and is equivalent to AURLTD006 Carry out light vehicle wheel alignment operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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