



Australian Government

AUMGTD001 Perform wheel alignment operations

Release: 2

AUMGTD001 Perform wheel alignment operations

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTD3001 Perform wheel alignment operations
Release 2	Updated for clarity and policy adherence

Application

This unit describes the performance outcomes required to perform wheel alignments and adjustments.

It applies to those in an automotive industry and involves the application of skills and knowledge at a specialist level.

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

Unit Sector

Technical - Steering and Suspension

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 for the job	1.1 Identify wheel alignment specification and adjustment procedures to determine alignment process 1.2 Complete wheel alignment pre-checks according to vehicle manufacturer specifications and workplace procedures
2. Align wheels	2.1 Select wheel alignment measuring tools and equipment and connect to the vehicle according to workplace procedures 2.2 Access and interpret information on wheel alignment equipment from manufacturer specifications 2.3 Align wheels using alignment procedures that comply with manufacturer specifications and workplace procedures

Elements	Performance Criteria
	2.4 Adjust aligned wheels according to vehicle manufacturer specifications
3. Complete work processes	3.1 Clean and maintain wheel alignment tools, equipment and work area, inspecting for faults according to workplace procedures 3.2 Identify, tag and report faulty equipment 3.3 Record pre- and post-wheel alignment measurements, and complete workplace forms according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Learning skills to:	understand wheel alignment principles.
Reading skills to:	interpret wheel alignment specifications and operating procedures for alignment tools and equipment.
Writing skills to:	- complete faulty equipment tags - legibly record wheel alignment results.
Oral communication skills to:	- refer tool, equipment and machinery faults to appropriate personnel - speak clearly and directly to inform co-workers of wheel alignment results.
Numeracy skills to:	- measure alignment angles to determine compliance with specifications - understand imperial and metric systems - read measuring equipment.
Planning and organising skills to:	identify and prepare wheel alignment equipment and work area.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
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Code and title current version	Code and title previous version	Comments	Equivalence status
AUMGTD011 Perform wheel alignment operations (Release 2)	AUMGTD001 Perform wheel alignment operations (Release 1)	Minor updates to Assessment Requirements. Performance Criteria changed from passive to active voice. Rationalisation of Range of Conditions.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

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Performance Evidence

Before competency can be determined, individuals must have competently performed wheel alignment operations on a minimum of two occasions.

Individuals must demonstrate they can:

- use and set up wheel alignment equipment, including:
 - testing equipment
 - wheel alignment equipment
- comply with work health and safety (WHS) requirements to perform wheel alignment
- interpret alignment specifications
- perform wheel alignment and adjustments according to job specifications and workplace procedures on:
 - powered vehicles
 - towed vehicles (trailers)
- record wheel alignment measurements
- complete wheel alignment workplace documentation.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- workplace procedures and WHS requirements relating to performing wheel alignment
- steering angle geometry
- types, applications and operation of wheel alignment equipment
- methods of sourcing wheel alignment specifications
- wheel alignment problem identification and resolution techniques.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles on which they have worked, e.g. work sheets.

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
- wheel alignment tools and equipment
- wheel alignment instructions and specifications
- vehicles requiring wheel alignment
- workplace procedures relating to wheel alignment and adjustment.

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