



**Australian Government**

# **AUMGTD001 Perform wheel alignment operations**

**Release: 1**

# AUMGTD001 Perform wheel alignment operations

## Modification History

| Release   | Comment                                                                                                                   |
|-----------|---------------------------------------------------------------------------------------------------------------------------|
| Release 1 | Unit updated to reflect the new standards for Training Packages<br>Replaces AUMGTD3001 Perform wheel alignment operations |

## 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.

## Competency Field

Manufacturing - Bus, Truck and Trailer

## 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. Where bold italicised text is used, further information is detailed in the range of conditions section                                                                                                                                                                                                                                                       |
| 1. Prepare for the job                   | <p>1.1 Wheel alignment specification and adjustment procedures are identified and used to determine alignment process</p> <p>1.2 Wheel alignment pre-checks are completed according to vehicle manufacturer specifications and <b><i>workplace procedures</i></b></p> <p>1.3 Wheel alignment measuring tools and <b><i>equipment</i></b> are selected and connected to vehicle according to workplace procedures</p>                                         |
| 2. Align wheels                          | <p>2.1 Work health and safety (WHS) requirements and workplace procedures are identified and followed</p> <p>2.2 Information on wheel alignment equipment is accessed and interpreted from manufacturer specifications</p> <p>2.3 Wheels are aligned using alignment procedures that comply with manufacturer specifications and workplace procedures</p> <p>2.4 Adjustments on aligned wheels are made according to vehicle manufacturer specifications</p> |
| 3. Complete work processes               | <p>3.1 Wheel alignment tools, equipment and work area are cleaned, maintained and inspected for faults according to workplace procedures</p> <p>3.2 Faulty equipment is identified, tagged and reported</p> <p>3.3 Pre- and post-wheel alignment measurements are recorded and workplace forms are completed according to workplace procedures</p>                                                                                                           |

## Foundation Skills

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

| Skills                             | Description                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Learning skills to:                | <ul style="list-style-type: none"> <li>understand wheel alignment principles.</li> </ul>                                                                                                                   |
| Reading skills to:                 | <ul style="list-style-type: none"> <li>interpret wheel alignment specifications and operating procedures for alignment tools and equipment.</li> </ul>                                                     |
| Writing skills to:                 | <ul style="list-style-type: none"> <li>complete faulty equipment tags</li> <li>legibly record wheel alignment results.</li> </ul>                                                                          |
| Oral communication skills to:      | <ul style="list-style-type: none"> <li>refer tool, equipment and machinery faults to appropriate personnel</li> <li>speak clearly and directly to inform co-workers of wheel alignment results.</li> </ul> |
| Numeracy skills to:                | <ul style="list-style-type: none"> <li>measure alignment angles to determine compliance with specifications</li> <li>understand imperial and metric systems</li> <li>read measuring equipment.</li> </ul>  |
| Planning and organising skills to: | <ul style="list-style-type: none"> <li>identify and prepare wheel alignment equipment and work area.</li> </ul>                                                                                            |

## Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

|                                                  |                                                                                                                                                                                                      |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Workplace procedures</i></b> must include: | <ul style="list-style-type: none"> <li>recording and reporting procedures</li> <li>WHS requirements to perform wheel alignment</li> <li>workplace wheel alignment, testing and equipment.</li> </ul> |
| <b><i>Equipment</i></b> must include:            | <ul style="list-style-type: none"> <li>testing equipment</li> <li>wheel alignment equipment.</li> </ul>                                                                                              |

## Unit Mapping Information

No equivalent unit.

## **Links**

Implementation Guide -

<http://www.asacompanionvolumes.com.au/aum-implementation-guide>