



Australian Government

MEM27029 Maintain wheels and tyres

Release: 1

MEM27029 Maintain wheels and tyres

Modification History

Release 1. Supersedes and is equivalent to MEM18038B Maintain wheels and tyres

Application

This unit of competency defines the skills and knowledge required to assess wheel condition, and repair/replace and maintain the wheel.

It covers the basic maintenance and repair or replacement of wheel rims and to the full range of wheel/tyre assemblies, plant and equipment using appropriate regulations, codes of practice, manufacturer specifications or in-house standards as a guide for assessment repair and assembly.

Where complex rim repairs are required appropriate fitting or welding units should also be selected.

Where interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

Where the selection and use of power tools/hand held operations is required unit MEM18002 Use power tools/hand held operations should also be selected.

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

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools

Competency Field

Maintenance and diagnostics

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|-----------------------------------|-----|--|
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |
| | | 1.2 | Comply with work health and safety (WHS) requirements at all times |
| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, job sheets or work instructions |
| 2 | Assess wheel condition | 2.1 | Apply rim/tyre designs, constructions, codes, balancing, fastening principles and terminology when assessing wheel condition |
| | | 2.2 | Assess fastening components for damage and security |
| | | 2.3 | Recognise abnormal tyre wear and determine cause of fault |
| | | 2.4 | Recognise unsafe tyre and/or wheel condition and determine remedial action |
| 3 | Rectify and maintain wheel | 3.1 | Adhere to safety procedures associated with tyre/wheel removal, handling, inflation, assembly and disassembly and fastening |
| | | 3.2 | Remove wheels/tyres and replace using appropriate tools, equipment and techniques |
| | | 3.3 | Apply tools and equipment in accordance with SOPs |
| | | 3.4 | Perform ballasting and/or inflation of tyres to specification |
| | | 3.5 | Perform static/dynamic balancing of wheels to specification |
| | | 3.6 | Rectify rim/tyre/tube faults to specifications, regulations or codes |
| | | 3.7 | Lubricate wheel bearings to specification |
| | | 3.8 | Record all service/rectification activities |

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

No range of conditions provided for this unit.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>