



Australian Government

MEM27012 Maintain mobile plant suspension systems

Release: 1

MEM27012 Maintain mobile plant suspension systems

Modification History

Release 1. Supersedes and is equivalent to MEM18040B Maintain suspension systems

Application

This unit of competency defines the skills and knowledge required to assess, maintain and repair/replace suspension systems of all types of wheeled and/or tracked plant/vehicles.

Where suspension systems are required to be maintained on track type undercarriage see unit MEM27014 Diagnose and rectify automatic transmissions.

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

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM09002	Interpret technical drawing
MEM11011	Undertake manual handling
MEM12023	Perform engineering measurements
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEM18055	Dismantle, replace and assemble engineering components

Competency Field

Fixed and mobile plant

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, drawings, job sheets or work instructions |
| 2 | Assess suspension systems | 2.1 | Apply principles of operation and terminology to alignment and suspension systems |
| | | 2.2 | Assess components for security, wear and faults and determine corrective action |
| | | 2.3 | Assess component parts and determine the need for repair or replacement |
| | | 2.4 | Test suspension arrangements, control arms/links, dampening and control devices for correct operation |
| | | 2.5 | Assess axle alignment/tracking and determine variance from specification |
| | | 2.6 | Test auto/manual levelling devices for performance to specifications |
| 3 | Maintain suspension systems | 3.1 | Align axles to specification |
| | | 3.2 | Adjust ride height to specification |
| | | 3.3 | Re-gas suspension system to specification |
| | | 3.4 | Remove/replace suspension components using appropriate tools, equipment and techniques |
| | | 3.5 | Record all service and 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>