



Australian Government

MEM27011 Maintain track type undercarriage on mobile plant

Release: 1

MEM27011 Maintain track type undercarriage on mobile plant

Modification History

Release 1. Supersedes and is equivalent to MEM18039B Diagnose and rectify track type undercarriage

Application

This unit of competency defines the skills and knowledge required to maintain track assemblies, including checking components, clearances, tension and replacing any faulty components.

It covers mobile plant equipment that uses crawler belts and/or chain links.

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.

- | | | | |
|---|--|-----|--|
| 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 track assembly | 2.1 | Apply operating principles and terminology of track type undercarriage in assessing track assembly |
| | | 2.2 | Inspect for wear or damage and determine if component requires repair or replacement |
| | | 2.3 | Check track frame alignment and determine variances from specifications |
| 3 | Rectify and maintain track assemblies | 3.1 | Remove, repair or replace faulty track undercarriage components |
| | | 3.2 | Set track tension to specification |
| | | 3.3 | Adjust clearances to specification |
| | | 3.4 | 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

This field allows for different 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.

Components include one (1) or more of the following:

- links
- pins
- sprockets
- idlers
- rollers and pads
- track chains
- tensioners
- sensors and monitoring module

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM18039B Diagnose and rectify track type undercarriage

Links

Companion Volume implementation guides are found in VETNet -

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