MEM18008 Balance equipment
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Modification History
Release 1. Supersedes and is equivalent to MEM18008B Balance equipment

Application
This unit of competency defines the skills and knowledge required to check the balance and balancing of equipment.

Balancing may include the addition or removal of material and all specifications for machine operation and degree of balance to be supplied.

Where wheel and tyre balancing is required unit MEM27029 Maintain wheels and tyres should 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
MEM09002 Interpret technical drawing
MEM11011 Undertake manual handling
MEM12023 Perform engineering measurements
MEM12024 Perform computations
MEM13015 Work safely and effectively in manufacturing and engineering
MEM14006 Plan work activities
MEM16006 Organise and communicate information
MEM18001 Use hand tools
MEM18002 Use power tools/hand held operations
MEM18003 Use tools for precision work
MEM18006 Perform precision fitting of engineering components
MEM18055 Dismantle, replace and assemble engineering components
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.

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  Check balance
   2.1 Apply principles of equipment balance testing
   2.2 Select most appropriate balancing check procedure
   2.3 Set up component correctly and to site/manufacturer’s procedures for balance check
   2.4 Determine balance/out-of-balance and compare to specification requirements
   2.5 Record out-of-balance readings to prescribed procedures

3  Balance equipment
   3.1 Apply principles and methods of rigid and/or flexible rotation balancing
   3.2 Use techniques of single and/or multi-plane balancing appropriate to application
   3.3 Balance equipment utilising correct procedures
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.

Equipment includes one (1) or more of the following:

- static balancing machines
- sophisticated electronic dynamic balancing machines

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2