



**Australian Government**

**Assessment Requirements for MEM18055  
Dismantle, replace and assemble  
engineering components**

**Release: 1**

# Assessment Requirements for MEM18055 Dismantle, replace and assemble engineering components

## Modification History

Release 1. Supersedes and is equivalent to MEM18055B Dismantle, replace and assemble engineering components

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications, charts, lists, drawings and other applicable reference documents to dismantle, replace and assemble engineering components
- dismantling components using appropriate techniques, tools and equipment and marking component parts for reassembly purposes
- checking component parts visually and dimensionally for compliance to specification and marking faulty parts for repair, replacement or adjustment
- selecting replacement parts using manufacturers' catalogues and data
- assembling components using appropriate techniques and principles
- inspecting final assembly for compliance to specifications
- returning the final assembly to service in accordance with SOPs.

## Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- tasks to be performed in accordance with SOPs
- tools and equipment associated with dismantling the components
- procedures for:
  - checking components for conformance to specification and equipment required
  - assembling components and requirements of the assembly in terms of specifications, operational performance, quality and safety
  - lubricating the assembly
  - returning components/assemblies into use and checks to be undertaken during inspection of the final assembly
- specifications of the components to be replaced, including features and/or dimensions
- process of identifying replacement parts from catalogues

- packing and sealing materials.

## Assessment Conditions

- Assessors must:
  - have vocational competency in dismantling, replacing and assembling engineering components at least to the level being assessed with relevant industry knowledge and experience
  - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

## Links

Companion Volume implementation guides are found in VETNet -

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