



Australian Government

MEM19006 Replace watch batteries

Release: 1

MEM19006 Replace watch batteries

Modification History

Release 1. Supersedes and is equivalent to MEM19006B Replace watch batteries

Application

This unit of competency defines the skills and knowledge required to replace digital or analog watch batteries and arrange water resistance and pressure testing.

Some knowledge of watch glasses and seals is required, however specific replacement functions for these are not covered by this unit and testing functions relate only to the measurement of voltage, consumption and resistance.

This unit does not apply to diver and other water-resistant watch types and water resistance and pressure testing is not covered by this unit, however identification of watches requiring testing as well as procedures for arranging testing are a requirement of this unit.

Where power cell replacements in these two categories are of common practice with associated testing and/or identification/cleaning/supply/fitting of waterproofing/water resistance components appropriate horological units should be selected.

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

Band: A

Unit Weight: 1

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

Jewellery and horological

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 | Identify watch construction | 2.1 Identify case material and construction |
| | | 2.2 Identify case types and their function |
| | | 2.3 Identify associated parts and consumables |
| | | |
| 3 | Open and close watches | 3.1 Select and use workshop tools and equipment |
| | | 3.2 Open and close watch cases |
| | | 3.3 Inspect parts and report or record results |
| | | |
| 4 | Select and replace batteries | 4.1 Perform general inspection of surface areas |
| | | 4.2 Select battery and install |
| | | 4.3 Measure voltage, consumption and resistance |
| | | 4.4 Handle and store batteries according to SOPs |
| | | |
| 5 | Arrange water resistance and pressure testing | 5.1 Identify watches requiring water resistance or pressure testing |
| | | 5.2 Arrange water resistance and pressure testing |

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

Release 1. Supersedes and is equivalent to MEM19006B Replace watch batteries

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEM19006 Replace watch batteries

Modification History

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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, job sheets or work instructions to replace watch batteries in digital and analog watches
- selecting and using appropriate tools and equipment, including all hand and power tools appropriate to opening and closing watch cases
- handling and cleaning case, movement and other watch parts and inspecting for obvious damage, wear and moisture intrusion
- inserting and removing batteries
- measuring voltage, resistance and consumption for correct values in accordance with manufacturers' data
- arranging water resistance and pressure testing.

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)
- applicable horological terminology
- design of case types, including water resistant, dustproof and diver's, and their functions
- types of batteries and their functions and battery cell construction
- analog, digital, multi-function and mechanical watch functions
- wear and the possible effects on glass and adjusters
- watch-specific tools and equipment
- manufacturers' information, specifications and SOPs
- location and cause of moisture and corrosion effects
- handling, cleaning and adjustment procedures
- work health and safety (WHS) issues for mercury and lithium batteries
- appropriate symbols and other identifying relevant standards information and their location
- battery features, identification codes and parts associated with battery function

- procedures to confirm battery status
- relevant internal and external water resistance and pressure testing bodies or personnel
- arrangements and procedures for dispatch and receipt of watches.

Assessment Conditions

- Assessors must:
 - have vocational competency in replacing watch batteries 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.

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