



Australian Government

Assessment Requirements for MEM18085 Install, service and repair domestic air conditioning and refrigeration appliances

Release: 1

Assessment Requirements for MEM18085 Install, service and repair domestic air conditioning and refrigeration appliances

Modification History

Release 1. Supersedes and is equivalent to MEM18085A Install, service and repair domestic air conditioning and refrigeration appliances

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 charts, lists, catalogues, specifications and legislative and industry requirements and guidelines and obtaining relevant data with respect to servicing and repairing domestic air conditioning and refrigeration appliances
- installing and removing domestic refrigeration and air conditioning appliances in accordance with customer requirements, regulations, standards, codes of practice and industry guidelines
- isolating circuit and appliances in strict accordance with work health and safety (WHS) requirements and procedures, where necessary
- checking operating condition of refrigeration and air conditioning appliances using appropriate tools, techniques and equipment and comparing system and component performance/operation against specifications
- carrying out routine maintenance of refrigeration and air conditioning appliances
- identifying faulty components and non-compliances using appropriate tools, equipment and testing devices
- replacing, repairing or servicing faulty components in accordance with specifications and industry best practice
- removing, containing and adding refrigerant safely in compliance with relevant Australian Standards or codes and regulations
- carrying out standard electrical tests in accordance with specifications
- completing all relevant standard, code or local required documentation.

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)
- procedures and industry best practice for brazing refrigeration pipework
- procedures for complying to all legislative and regulatory requirements for safely removing the refrigerant and charging and evacuating the system

- procedures for evacuating system, pressure and leak testing, handling and adding refrigerant and checking air flow
- safety and legislative requirements for handling refrigerants
- standard electrical measurements for earth continuity, insulation resistance, circuit resistance, supply voltage and current
- measuring instruments/equipment, specifications and procedures for checking temperature, system performance and testing components
- specifications, operational characteristics and process for identifying system components
- process for identifying refrigerant type
- requirements and procedures for reporting non-compliances completing documentation.

Assessment Conditions

- Assessors must:
 - have vocational competency in installing, servicing and repairing domestic air conditioning and refrigeration appliances 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>