



Australian Government

Assessment Requirements for MSMRV391 Diagnose recreational vehicle electrical faults

Release: 1

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Modification History

Release 1. Newly created unit.

Performance Evidence

There must be evidence that the candidate has completed the tasks set out in the elements and performance criteria and has demonstrated the ability to diagnose recreational vehicle electrical faults on at least three occasions.

Knowledge Evidence

There must be evidence the candidate knows:

- requirements relevant to the performance criteria of:
 - *AS/NZS 5601.2 Gas installations LP Gas installations in caravans and boats for non-propulsive purposes*
 - *AS/NZS 3001 Electrical installations - Transportable structures and vehicles including their site supplies*
 - the *Road Vehicle Standards Act 2018*
 - Australian design rules
- types of technical information relevant to diagnosing electrical faults in recreational vehicles and how to interpret that information
- manufacturer's instructions (including for installation, use, service, troubleshooting and repair) for and commonly reported electrical faults with:
 - vehicle, solar and 240 V charging systems
 - appliances including refrigerators, lights and air-conditioners
 - solar panels
 - batteries including lithium, absorbed glass mat, gel cell and wet cell batteries
 - fridges
 - Bluetooth and wi-fi systems
 - slide-out systems
- diagnostic tests for commonly reported electrical faults in recreational vehicles, including the applicability and use of remote diagnostics technology
- which tools and equipment to use when diagnosing electrical faults in recreational vehicles
- workplace policies and procedures relevant to their job role and responsibilities including for:
 - diagnosing electrical faults in recreational vehicles
 - communication and reporting

- quality assurance
- work health and safety, including personal protective equipment
- work planning
- hazards that might arise in the work environment and their controls
- the most common issues that can arise when diagnosing recreational vehicle electrical faults and how to avoid and respond to them
- how to identify if an electrical fault has been diagnosed correctly in a recreational vehicle.
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Assessment Conditions

Skills must have been demonstrated in the workplace or a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources required to diagnose recreational vehicle faults including:
 - recreational vehicles with faulty equipment and systems
 - diagnostic tools and equipment
 - job instructions and workplace procedures.

Assessors of this unit must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>