



Australian Government

Assessment Requirements for AURPTR101 Test and service 240 volt portable generators

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- test and service at least two different 240 volt portable generators.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to test and service 240 volt portable generators, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to test and service 240 volt portable generators, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) requirements relating to testing and servicing 240 volt portable generators, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - safely using electrical test equipment
 - working with exhaust fume hazards
 - working with hot or rotating parts

- licensing and regulatory requirements for working with 240 volt components
- application, purpose and operation of different types of 240 volt portable generators, including:
 - inverter
 - standard, including:
 - brush
 - brushless
- test and service procedures for 240 volt portable generators, including:
 - alternating current (AC) output voltage and frequency
 - battery voltage
 - load testing
 - generator mountings and frame
 - engine oil level check
 - engine performance test
 - control panel inspection
- post-service testing and re-testing procedures for 240 volt portable generators, including operating portable generators through full operating range.

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the 240 volt portable generators that they have tested and serviced, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- outdoor power equipment repair workplace or simulated workplace
- workplace instructions
- manufacturer specifications for 240 volt portable generators
- area and equipment, including PPE, for safely testing 240 volt portable generators
- two different 240 volt portable generators requiring testing and service
- tools, equipment and materials appropriate for testing and servicing 240 volt portable generators, including electrical load test equipment and engine tachometer.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>