



Australian Government

AURPTR101 Test and service 240 volt portable generators

Release: 1

AURPTR101 Test and service 240 volt portable generators

Modification History

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

Application

This unit describes the skills and knowledge required to test and service 240 volt portable generators according to manufacturer specifications. The unit involves preparing for the task, testing and servicing the equipment, performing post-service testing, and completing workplace processes and documentation.

The unit applies to those working in the outdoor power equipment service and repair industry. The portable generators may be driven by petrol or diesel engines. Testing and servicing relate only to the 240 volt generator, and not the engine driving the generator.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Unit Sector

Outdoor Power Equipment Technical - Electrical and Electronic

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to undertake load test of portable generator	1.1 Identify job requirements from workplace instructions 1.2 Source and interpret workplace inspection and service procedures 1.3 Identify and manage hazards associated with the tasks 1.4 Select tools and equipment and check for serviceability
2. Conduct test and interpret results	2.1 Inspect and test system according to manufacturer specifications, workplace procedures, and safety requirements 2.2 Compare test results with manufacturer specifications to determine service requirements 2.3 Obtain authorisation to proceed according to workplace

ELEMENTS	PERFORMANCE CRITERIA
	procedures
3. Prepare to service generator	3.1 Analyse service options and select those most appropriate based on the circumstances 3.2 Check and select tools, equipment and materials for serviceability
4. Service generator	4.1 Service components, and adjust and replace as required according to manufacturer specifications, workplace procedures, and safety requirements, and without causing damage to components or systems 4.2 Run generator and perform resistive load test and compare with manufacturer specifications
5. Complete work processes	5.1 Conduct final inspection according to workplace procedures and confirm equipment is ready for use 5.2 Clear work area and dispose of or recycle materials according to workplace procedures 5.3 Complete documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but are not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently.
Numeracy	- Uses basic mathematical operations, including addition and subtraction, when testing and servicing generator - Interprets gauges and test equipment.
Oral communication	Clarifies instructions.
Reading	Interprets information from manufacturer and workshop literature when seeking test and service specifications and procedures relating to 240 volt portable generator.
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes - Ensures tasks are completed within workplace timeframes.
Technology	Operates specialised equipment.

Unit Mapping Information

Supersedes and is equivalent to AURPTR001 Test and service 240 volt portable generators.

Links

Companion Volume Implementation Guide is found on VETNet -

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