



Australian Government

AURPTR102 Test and service electric outdoor power equipment

Release: 1

AURPTR102 Test and service electric outdoor power equipment

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 electric outdoor power equipment 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 electric outdoor power equipment may be 240 volt, and includes shears, blowers, shredders, mulchers, chainsaws, line trimmers, or lawn edgers. This unit does not apply to 240 volt portable generators.

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 for test	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 Carry out operational tests according to manufacturer specifications, workplace procedures, and safety requirements 2.2 Compare test results with manufacturer specifications 2.3 Obtain authorisation to proceed according to workplace

ELEMENTS	PERFORMANCE CRITERIA
	procedures
3. Prepare to service equipment	3.1 Analyse and select service options most appropriate to the circumstances 3.2 Select and check tools, equipment and materials for serviceability
4. Service equipment	4.1 Service, adjust and replace components according to manufacturer specifications, workplace procedures, and safety and environmental requirements, and without causing damage to components or systems 4.2 Carry out post-service testing according to workplace procedures
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 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 electric outdoor power equipment according to manufacturer specifications - Interprets gauges and test equipment.
Reading	Interprets information from manufacturer and workshop literature and seeks test and service specifications and procedures relating to electric outdoor power equipment.
Oral communication	Clarifies instructions.
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes - Ensures tasks are completed within workplace timeframes.
Technology	Operates electrical equipment.

Unit Mapping Information

Supersedes and is equivalent to AURPTR002 Test and service electric outdoor powered equipment.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURPTR102 Test and service electric outdoor power equipment

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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 electric outdoor power equipment tools.

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 electric outdoor power equipment, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to test and service electric outdoor power equipment, 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 and environmental requirements relating to the test and service of electric outdoor power equipment, including:
 - procedures for selecting and using personal protective equipment (PPE)
 - observing warnings in relation to working with 240 volt systems
 - procedures for safely using electrical test equipment
- application, purpose and operation of 240 volt outdoor electric equipment

- licensing and regulatory requirements for 240 volt components
- test and service procedures for 240 volt electric outdoor power equipment, including:
 - brush assembly
 - resistive load testing
 - circuit breaker
 - stator windings
 - rotor windings
 - handle, mountings and frame
 - electrical leads
 - switch
 - protective guards
- post-repair testing procedures for electric outdoor power equipment, including operating equipment through its 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 electric outdoor power equipment 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 electric outdoor power equipment specifications
- area and equipment, including PPE, for safely testing electric outdoor power equipment
- electric powered equipment specified in the performance evidence requiring servicing
- tools, equipment and materials appropriate for testing and servicing electric outdoor power equipment.

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

Links

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