



Australian Government

AURPTA108 Service and repair post hole digging systems

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

Application

This unit describes the skills and knowledge required to service and repair faults in the post hole digging systems of outdoor power equipment according to manufacturer specifications. The unit involves preparing for the task, determining the service and repair requirements, carrying out the service and repair, performing post-repair testing, and completing workplace processes and documentation.

The unit applies to those working in the outdoor power equipment service and repair industry. The post hole digging systems may be powered by electric or internal combustion engines.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Outdoor Power Equipment Technical

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 service and repair post hole digging system	1.1 Identify job requirements from workplace instructions 1.2 Source and interpret workplace service and repair procedures 1.3 Identify and manage hazards associated with the tasks 1.4 Select tools and equipment and check for serviceability
2. Determine service and repair requirements of post hole digging system	2.1 Inspect and test system according to manufacturer specifications, workplace procedures, and safety requirements 2.2 Identify faults and determine causes of faults 2.3 Report inspection findings and test results according to workplace procedures, and include recommendations for necessary service, repair or adjustment

ELEMENTS	PERFORMANCE CRITERIA
	2.4 Obtain authorisation to proceed according to workplace procedures
3. Carry out service and repair activities	3.1 Analyse service and repair options and select those most appropriate to the circumstances 3.2 Select and check tools, equipment and materials 3.3 Remove components and inspect for serviceability according to manufacturer specifications, workplace procedures, and safety requirements 3.4 Fit and adjust reusable, repaired and replacement components according to manufacturer specifications and workplace procedures
4. Check post hole digging system for normal operation	4.1 Operate and compare system according to manufacturer specifications, workplace procedures and safety requirements 4.2 Make adjustments as required and re-test post hole digging system
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	Calculates deviations and tolerances from manufacturer specifications using basic mathematical skills.
Reading	Interprets information from manufacturer and workshop literature when seeking post hole digging system specifications and procedure.
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes

SKILL	DESCRIPTION
	Ensures tasks are completed within workplace timeframes.

Unit Mapping Information

Supersedes and is equivalent to AURPTA008 Service and repair post hole digging systems.

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 AURPTA108 Service and repair post hole digging systems

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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:

- service and repair at least two different post hole digging systems.

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 service and repair post hole digging systems, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to service and repair post hole digging systems, 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 servicing and repairing post hole digging systems, including procedures for:
 - safely starting and checking operation, adjustment and alignment of post hole digging system
 - safely operating overload system
 - selecting and using suitable personal protective equipment (PPE)

- environmental requirements, including procedures for trapping, storing and disposing of lubricating oils and greases released from post hole digging systems
- application, and key features of post hole digging systems, including:
 - electric powered
 - engine powered
 - power take-off
- types of lubricants, and their application and methods of lubrication
- different types of augers and their applications, including:
 - tungsten
 - steel
- service and repair procedures for post hole digging systems, including:
 - drive system gearbox
 - reversing system
 - overload devices
 - protective guards and cowlings
 - handle assembly
 - lubrication systems
 - drilling spindle
 - augers
 - auger brake
 - clutch drum assembly
 - auger sharpening
- post-repair testing procedures for post hole digging systems, including operating system 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 post hole digging systems that they have serviced and repaired, 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 post hole digging systems
- area and equipment, including PPE, required to safely test post hole digging systems
- two different post hole digging systems requiring service and repair

- tools, equipment and materials appropriate for inspecting, servicing and repairing post hole digging systems.

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

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