



Australian Government

AURPTA006 Inspect and service line trimming systems and components

Release: 1

AURPTA006 Inspect and service line trimming systems and components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect and service line trimming systems and components according to manufacturer instructions. It involves preparing for the task, inspecting the system and components, reporting the inspection findings, servicing and adjusting the system and components, and completing workplace processes and documentation.

It applies to those working in the outdoor power equipment service and repair industry. The line trimming systems include brush cutters and grass trimmers which may be electric or petrol driven, stand-alone or fitted to other equipment systems.

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

Competency Field

Outdoor Power Equipment

Unit Sector

Outdoor Power Equipment

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to inspect and service line trimming	1.1 Job requirements are determined from workplace instructions 1.2 Manufacturer <i>inspection and servicing procedures</i> and

Elements Elements describe the essential outcomes.	Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
system of outdoor power equipment	information are sourced and interpreted 1.3 Hazards associated with the work are identified and risks are managed 1.4 Tools, equipment and materials are selected and checked for serviceability
2. Inspect line trimming system	2.1 <i>Line trimming system</i> is inspected and tested according to manufacturer specifications, workplace procedures and <i>safety requirements</i> 2.2 Inspection results are compared with manufacturer specifications 2.3 Inspection findings are reported according to workplace procedures, including recommendations for necessary repairs or adjustments 2.4 Authorisation to proceed is obtained according to workplace procedures
3. Service line trimming system	3.1 Service options are selected according to manufacturer maintenance schedule and lubrication charts 3.2 Service and adjustments are carried out according to manufacturer specifications, workplace procedures, and safety and environmental requirements, and without causing damage to components or systems 3.3 <i>Post-service testing</i> is carried out according to workplace procedures
4. Complete work processes	4.1 Final inspection is made to ensure work is to workplace expectations and equipment is presented ready for use, including protective guards, cowlings and safety features 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected 4.3 Tools and equipment are checked and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

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

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.
Reading skills to:	interpret information from manufacturer and workshop literature when seeking service specifications and procedures relating to outdoor power equipment line trimming systems.
Writing skills to:	legibly and accurately fill out workplace documentation when reporting inspection findings, making recommendations, and recording parts and material used.
Oral communication skills to:	- clarify instructions - report inspection findings and make repair recommendations.
Numeracy skills to:	measure line trimming system components and use basic mathematical operations, including addition and subtraction, to calculate distances, tolerances and deviations from manufacturer specifications.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Inspection and servicing procedures</i> must include:	- inspecting components - making adjustments - identifying lubrication requirements - testing serviced unit.
<i>Line trimming system</i> must include:	- auto line feed systems - manual line feed systems - brush cutters and grass trimmers - bent and straight shafts.
<i>Safety requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - starting and operating line trimming equipment - adjusting and aligning line trimming systems - using personal protective equipment (PPE) relevant to operating line trimmers.
<i>Post-service testing</i> must include:	- operating line trimming system - comparing line trimming operation to manufacturer specifications - making system adjustments as required

	• re-testing system.
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Unit Mapping Information

Equivalent to AURPTA2006 Service line trimming systems and components

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURPTA006 Inspect and service line trimming systems and components

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- inspect and service the following line trimming systems:
 - auto line feed system
 - manual line feed system
 - bent and straight shaft systems.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting and servicing line trimming systems and components, including procedures for:
 - starting and operating line trimming equipment
 - adjusting and aligning line trimming systems
 - using personal protective equipment (PPE) relevant to operating line trimmers
- application, purpose and operation of line trimming systems , including:
 - overload protection
 - line sizes and types
 - auto and manual line feed systems
 - metal and composite blades
 - handles and harnesses
 - brush cutter angle drives
 - bent and straight shafts
 - protective guards and cowlings

- stand-alone or fitted to other equipment systems
- types and application of lubricants, and lubricating methods
- inspection procedures for line trimming systems and components, including:
 - analysing component wear
 - checking bearings and housing condition
 - checking automatic and manual line feed systems
 - checking physical damage to protective guards and cowlings
- service and adjustment procedures for line trimming systems and components, including:
 - lubricating bent and straight shaft drive systems
 - testing automatic and manual line feed systems
 - testing overload devices
- post-repair testing procedures for line trimming systems and components, including operating line trimming system through full operating range.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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 line trimming systems and components that they have worked on, 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 line trimming specifications
- outdoor power equipment line trimming system and components specified in the performance evidence and requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing line trimming systems and components.

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