



Australian Government

AURTTE104 Inspect and service engines

Release: 1

AURTTE104 Inspect and service engines

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 inspect and service engines. It involves preparing for the task, inspecting the engine, reporting the inspection findings, servicing and adjusting the engine, and completing workplace processes and documentation. The servicing undertaken will vary based on the work context.

The unit applies to those working in the automotive service and repair industry. The engines include those of agricultural machinery, heavy commercial vehicles, light vehicles, mobile plant or motorcycles. The unit does not apply to outdoor power equipment engines.

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

Unit Sector

Mechanical Miscellaneous Technical - Engines

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 inspect and service engine	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret servicing information 1.3 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures 1.4 Identify tools and equipment required for servicing activity and establish serviceability according to workplace procedures
2. Inspect engine	2.1 Carry out inspection according to manufacturer specifications, workplace procedures, workplace health and

ELEMENTS	PERFORMANCE CRITERIA
	safety and environmental requirements 2.2 Compare inspection results with manufacturer specifications 2.3 Report inspection findings and recommendations for necessary repairs according to workplace procedures
3. Service engine	3.1 Carry out service and adjustments according to manufacturer specifications, workplace procedures, workplace health and safety and environmental requirements 3.2 Carry out post-service testing according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 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	<ul style="list-style-type: none"> Locates required sources of information efficiently.
Reading	<ul style="list-style-type: none"> Interprets information from manufacturer and workshop literature when seeking engine service procedures and specifications.
Oral communication	<ul style="list-style-type: none"> Clarifies instructions.
Numeracy	<ul style="list-style-type: none"> Calculates liquid volumes and service schedule intervals, using mathematical operations, including addition and subtraction.

Unit Mapping Information

Supersedes and is equivalent to AURTTE004 Inspect and service engines.

Links

Companion Volume Implementation Guide is found on VETNet -

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