



Australian Government

AURTTE003 Remove and tag engine system components

Release: 1

AURTTE003 Remove and tag engine system components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to identify, remove and tag a range of engine components. It involves preparing for the work, removing and tagging engine components prior to engine dismantling by title, job number and engine application, and completing workplace processes and documentation.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation for entering the automotive retail, service and repair industry. The unit is designed for use in a highly supervised context and is not suitable for use in a vocational qualification.

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

Competency Field

Mechanical Miscellaneous

Unit Sector

Technical - Engines

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 remove and tag engine component	1.1 Task instructions are interpreted and vehicle to be worked on is identified 1.2 Engine component information is sourced and interpreted

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.
	1.3 Potential hazards and risks associated with the task are identified and reported to workplace supervisor 1.4 Tools and equipment are selected and checked for serviceability
2. Remove component	2.1 Engine component for removal is identified 2.2 Component is removed according to manufacturer specifications, workplace procedures, and <i>safety and environmental requirements</i> , and without causing damage to components or systems 2.3 Removed component is inspected and findings are recorded according to workplace procedures
3. Tag component	3.1 Tagging procedures are identified 3.2 Removed component is legibly <i>tagged</i> according to workplace procedures and without causing damage 3.3 Tagged components are stored according to workplace procedures
4. Complete work processes	4.1 Final inspection is made to ensure work meets task instructions and workplace standards 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 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 information.
Reading skills to:	interpret key information from manufacturer specifications, workplace procedures, and safety requirements relating to engine components.
Writing skills to:	legibly and accurately fill out workplace documentation, including tags, using correct industry terminology and

Skills	Description
	conventions.
Numeracy skills to:	interpret numerical information in task instructions and part numbers.

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>Safety and environmental requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for working with oils and fluids - environmental requirements, including procedures for trapping, storing and disposing of oils and fluids released from engines.
<i>Tagged</i> must include:	- component title - component condition - job number.

Unit Mapping Information

Equivalent to AURTTE1003 Remove and tag engine system 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 AURTTE003 Remove and tag engine system 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:

- remove and tag five of the following components from one engine:
 - intake manifold
 - exhaust manifold
 - starter motor
 - alternator
 - ignition components
 - fuel system components
 - turbocharger
 - power steering pump
 - hydraulic pump.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to removing and tagging engine system components, including procedures for working with oils and fluids
- environmental requirements, including procedures for trapping, storing and disposing of oils and fluids released from engines
- identification and basic function of the engine system components specified in the performance evidence
- procedures for removing and tagging engine system components, including:
 - component removal

- component inspection
- component tagging, including key information required on tags
- component storage.

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 engine components that they have removed and tagged, 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:

- automotive workplace or simulated workplace
- task instructions
- manufacturer engine component specifications
- one engine with the components specified in the performance evidence requiring removal and tagging
- tools, equipment and materials appropriate for removing and tagging engine system components.

Links

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