



Australian Government

AURTTA027 Carry out basic vehicle servicing operations

Release: 1

AURTTA027 Carry out basic vehicle servicing operations

Modification History

Release	Comment
Release 1	New unit of competency

Application

This unit describes the performance outcomes required to carry out basic vehicle servicing operations. It requires the learner to plan and prepare the servicing task; select the correct equipment and service the major vehicle systems according to manufacturer servicing procedures and specifications; record findings; maintain the work area; and check and store the servicing tools and equipment.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing 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

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 italicised text is used, further information is detailed in the range of conditions section
1. Plan to carry out basic vehicle servicing operations	1.1 <i>Safety and environmental requirements</i> are sourced and interpreted 1.2. Task instruction is interpreted and <i>vehicle</i> to be serviced is

ELEMENTS	PERFORMANCE CRITERIA
	identified 1.3 Manufacturer specifications and workplace procedures for basic vehicle servicing operations are sourced and interpreted 1.4 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.5 Tools and equipment required for vehicle servicing are identified according to manufacturer specifications
2. Carry out basic vehicle servicing operations	2.1 Tools and equipment are selected and checked prior to use according to manufacturer specifications and safety requirements 2.2 Basic vehicle servicing operations are carried out according to workplace procedures, manufacturer specifications and safety and environmental requirements 2.3 Observations of worn vehicle components or issues requiring further exploration are recorded 2.4 Basic vehicle servicing operation procedures are recorded
3. Complete work processes	3.1 Final inspection is made to ensure work meets task instruction and workplace standards, and serviced vehicle is presented ready for use or storage according to workplace procedures 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored according to environmental requirements and workplace procedures 3.3 Tools and equipment are checked and stored according to workplace procedures, or tagged and reported where necessary 3.4 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 vehicle servicing information and servicing equipment operating procedures.
Reading skills to:	- select and interpret key information from manufacturer specifications, safety requirements and workplace procedures to perform basic vehicle servicing operations - select and interpret key information from environmental requirements and workplace procedures to ensure a clean and

Skills	Description
	safe work site.
Writing skills to:	legibly and accurately fill out workplace documentation using correct industry terminology and conventions.
Oral communication skills to:	participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Numeracy skills to:	- read and interpret metric and imperial systems of measurement - read and interpret mathematical information, including charts and drawings - use specialist tools and measuring equipment, including gauges - use basic mathematical operations, including addition, subtraction, multiplication and division, to calculate volumes and ratios.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes.
Self-management skills to:	recognise own limitations when selecting and using tools and equipment and seek timely advice.
Problem-solving skills to:	- identify potential or actual hazards and take action to minimise risk - refer problems that cannot be readily resolved and seek assistance from workplace supervisor.
Technology skills to:	set up and operate equipment and tools required to perform basic vehicle servicing operations.

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:	- information about key aspects of work health and safety (WHS), occupational health and safety (OHS) and environmental requirements, including: - use of personal protective equipment, including safety glasses, ear protection and safety footwear - use of hand tools and lifting equipment - application of procedures for handling, storing and disposing of used oil, lubricants and coolants.
<i>Vehicle</i> must include	passenger or light commercial motor vehicle

one or more of the following:	• motorcycle • constructed vehicle.
Basic vehicle servicing operations must include:	• servicing the following: • engine and exhaust system • drive belt • cooling system • transmission and final drive • tyres, suspension and steering • fuel and intake system • electrical system • braking system • body fittings and pedal rubbers.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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