



Australian Government

AURVTA004 Inspect damaged vehicle systems and recommend repairs

Release: 1

AURVTA004 Inspect damaged vehicle systems and recommend repairs

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect damaged vehicle systems and recommend repair options. It involves preparing for the task, inspecting vehicle system damage, determining the extent of damage by measuring and recommending repair options consistent with original equipment manufacturer (OEM) or authorised agency repair instructions, and completing workplace processes and other documentation, including a final inspection report.

It applies to those working in the automotive body service and repair industry.

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

Competency Field

Vehicle Body

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 and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare for inspection	1.1 Job requirements are determined from workplace instructions 1.2 Vehicle <i>specifications</i> are sourced and interpreted from OEM or authorised agency and workplace inspection procedures

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 <i>Inspection methods</i> are analysed, and most appropriate option for vehicle and job requirement is selected and prepared 1.4 Hazards associated with the work are identified and risks are managed 1.5 Technical and calibration equipment for vehicle system inspection is sourced and checked for serviceability
2. Inspect damaged vehicle	2.1 Inspection is carried out according to workplace procedures and <i>safety requirements</i> 2.2 Extent of vehicle damage and damage location are recorded during inspection
3. Analyse inspection results	3.1 Results are compared with vehicle specifications to identify compliance or non-compliance 3.2 Preferred repair action is determined following analysis of options 3.3 Repair options are documented with supporting evidence and information 3.4 Final inspection report is completed according to workplace procedures
4. Complete work processes	4.1 Technical and calibration equipment is checked and stored according to workplace procedures 4.2 Workplace documentation, including report on repair recommendations, 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.
Writing skills to:	legibly and accurately fill out inspection reports, making repair recommendations and recording parts and material required.
Oral communication skills to:	- clarify instructions and ask questions to gather information - convey inspection findings and make repair recommendations.

Skills	Description
Numeracy skills to:	- interpret repair and vehicle specifications correctly using metric and imperial systems of measurement - measure system components and use basic mathematical operations, including addition and subtraction, to calculate distances, tolerances and deviations from manufacturer specifications.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology skills to:	use specialised tools and measuring equipment to inspect damage.

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>Specifications</i> must include:	- OEM or authorised agency: - vehicle design specifications and drawings - repair instructions and methods - component replacement instructions.
<i>Inspection methods</i> must include:	testing and operational assessments for defects.
<i>Safety requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using personal protective equipment (PPE) - using hand tools and lifting equipment.

Unit Mapping Information

Equivalent to AURVTA3004 Inspect vehicle systems and determine preferred repair action

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 AURVTA004 Inspect damaged vehicle systems and recommend repairs

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Performance Evidence

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

- inspect two of the following systems on different vehicles, and recommend suitable repair options:
 - air conditioning system
 - braking system
 - cooling system
 - electrical system
 - exhaust system
 - steering and suspension system.

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 damaged vehicle systems and recommending repairs, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using hand tools and lifting equipment
- operating principles of vehicle systems, including:
 - air conditioning system
 - braking system
 - cooling system
 - electrical system
 - exhaust system

- steering and suspension system
- original equipment manufacturer (OEM), authorised agency and component supplier specifications, and recommended repair and replacement procedures
- procedures for inspecting damaged vehicles and determining repair action, including:
 - repair quality requirements
 - inspection and reporting procedures.

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 vehicles that they have inspected, e.g. inspection reports.

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 repair workplace or simulated workplace
- OEM or authorised agency component specifications and repair methods
- workplace instructions
- two different vehicles with damaged systems requiring inspection
- tools, equipment and materials appropriate for inspecting damaged vehicle systems and determining repair action.

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