



Australian Government

AURVTA104 Inspect damaged vehicle systems and recommend repairs

Release: 1

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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 damaged vehicle systems and recommend repair options. This unit 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. It also involves completing workplace processes and other documentation, including a final inspection report.

The unit applies to those who work in the automotive body service and repair industry.

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

Unit Sector

Vehicle Body Technical

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 for inspection	1.1 Determine job requirements from workplace instructions 1.2 Source and interpret vehicle specifications from OEM or authorised agency and workplace inspection procedures 1.3 Analyse inspection methods, and select and prepare required option for vehicle and job requirements 1.4 Identify hazards associated with the work and manage risks 1.5 Source technical and calibration equipment for vehicle system inspection and check for serviceability
2. Inspect damaged	2.1 Carry out inspection according to workplace procedures and

ELEMENTS	PERFORMANCE CRITERIA
vehicle	safety requirements 2.2 Record extent of vehicle damage and damage location during inspection
3. Analyse inspection results	3.1 Compare results with vehicle specifications to identify compliance or non-compliance 3.2 Determine required repair action following analysis of options 3.3 Document repair options with supporting evidence and information 3.4 Complete final inspection report according to workplace procedures
4. Complete work processes	4.1 Check and store technical and calibration equipment according to workplace procedures 4.2 Process workplace 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	- Locates required sources of information efficiently - Develops a sequenced plan for a specific task.
Numeracy	- Interprets repair and vehicle specifications using metric and imperial systems of measurement - Measures system components and uses basic mathematical operations, including addition and subtraction - Calculates deviations and tolerances from manufacturer specifications.
Oral communication	- Clarifies instructions and asks questions to gather information - Conveys inspection findings and makes repair recommendations.
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes - Ensures tasks are completed within workplace timeframes.
Technology	Uses specialised tools and measuring equipment to inspect damage.

Unit Mapping Information

Supersedes and is equivalent to AURVTA004 Inspect damaged vehicle systems and recommend repairs.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for AURVTA104 Inspect damaged vehicle systems and recommend repairs

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- inspect at least two different vehicles, each with a different damaged system selected from the list below, and recommend required repair options:
 - air conditioning system
 - braking system
 - cooling system
 - electrical system
 - exhaust system
 - steering and suspension system.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to inspect damaged vehicle systems and recommend repairs, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to inspect damaged vehicle systems and recommend repairs, including:
 - documentation procedures, including:
 - reporting on repair recommendations
- work health and safety (WHS) 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, including:
 - vehicle design specifications and drawings
 - repair instructions and methods
 - component replacement instructions
- procedures for inspecting damaged vehicles and determining repair action, including:
 - repair quality requirements
 - inspection and reporting procedures
 - testing and operational assessments for defects.

Assessment Conditions

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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