



Australian Government

AURVTN025 Repair corroded vehicle body panels and components

Release: 1

AURVTN025 Repair corroded vehicle body panels and components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to repair vehicle body panels and components that have been damaged by corrosion. It involves preparing for the task, selecting and using specialist tools and equipment, removing corroded damage, fabricating replacement components, fitting and welding vehicle body components, finishing repairs to pre-paint condition, and completing workplace processes and documentation.

It applies to those working in the automotive body 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 - Body

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 repair corroded panel sections	1.1 Job requirements are determined from workplace instructions 1.2 Repair material is selected and checked for quality 1.3 Hazards associated with the work are identified and risks are managed

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.
	1.4 <i>Tools and equipment</i> are selected and checked for serviceability 1.5 Work is planned to identify repair methods, minimise waste, and use time efficiently
2. Remove corroded sections	2.1 Corroded vehicle body panel and components are identified 2.2 Body section is assessed to determine appropriate repair method 2.3 Corroded panel is removed according to workplace procedures and <i>safety and environmental requirements</i> , and without causing damage to vehicle or components 2.4 Assistance is sought from authorised personnel where removal of components disturbs vehicle trim or electrical, mechanical or air conditioning systems
3. Reform and replace corroded sections	3.1 Repair material is selected according to vehicle manufacturer specifications 3.2 Corroded panel section is measured and formed use forming equipment 3.3 Panel section is repaired or reformed using approved methods and equipment 3.4 Repaired corroded section is replaced, welded and finished 3.5 Replaced section is checked for compliance against vehicle manufacturer specifications
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations and panel is presented ready for painting 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, reported if faulty, 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
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Skills	Description
Learning skills to:	locate specifications and relevant information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills to:	- clarify instructions and procedures - discuss work that could potentially disturb trim or electrical, mechanical or air conditioning systems - clearly report issues or outcomes.
Numeracy skills to:	- use basic mathematical operations, including addition and subtraction, to calculate: - fitting measurements and tolerances - quantities of required materials.
Planning and organising skills to:	- plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes - prepare vehicle, work area and replacement sections.
Problem solving skills to:	identify quality issues and potential problems associated with repairing corroded vehicle body components.
Technology skills to:	use specialist removal and repair equipment.

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>Tools and equipment</i> must include:	- personal protective equipment (PPE) - specialist hand tools - basic panel forming equipment - specialist welding equipment.
<i>Safety and environmental requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using PPE - manually handling corroded vehicle body components - using tools and equipment - environmental requirements, including procedures for trapping, storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTN3025 Repair corroded panels and 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 AURVTN025 Repair corroded vehicle body panels and components

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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:

- repair two different corroded vehicle body panels and their components.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to repairing corroded vehicle body panels and components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manually handling corroded vehicle body components
 - using tools and equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- repair methods and procedures, including:
 - corroded body panel measuring
 - pattern development of body component
 - use of forming equipment and materials
 - panel manufacture and forming
 - corroded panel replacement methods and techniques
 - corroded panel fitting, welding and finishing techniques
- procedures and requirements for protecting vehicle and components during repair work
- procedures for final inspection of fabricated and fitted vehicle body components.

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 corroded body components that they have repaired, 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 repair workplace or simulated workplace
- workplace instructions
- PPE required to repair corroded vehicle body panels and components
- materials required to repair corroded vehicle body panels and components
- two different corroded vehicle body panels and components requiring repair
- tools, equipment and materials appropriate for repairing corroded vehicle body panels and components.

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