



Australian Government

AURVTN016 Repair vehicle body panels using filler

Release: 1

AURVTN016 Repair vehicle body panels using filler

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to repair vehicle body panels using filler. It involves preparing for the task, selecting and using specialist tools and equipment, identifying body filler type and specifications, calculating and mixing body filler and applying it to panels, completing repairs to pre-paint condition, and completing workplace processes and documentation.

It applies to those working in the automotive body repair industry. Filler used in repair work must include two-pack polyester.

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 body panels using filler	1.1 Job requirements are determined from workplace instructions 1.2 Manufacturer specifications for body filler application and relevant safety data sheets (SDS) are sourced and interpreted 1.3 Materials, including filler, needed for body panel repair are

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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.
	selected and checked for quality 1.4 Hazards associated with the work are identified and risks are managed 1.5 Tools and equipment, including personal protective equipment (PPE), are selected and checked for serviceability 1.6 Work area is prepared and work is planned to minimise waste and use time efficiently
2. Carry out repair activities using filler	2.1 Paint is removed and damaged panel prepared for filler repair 2.2 Damaged panel sections are rectified using panel beating techniques to workplace pre-filler application standard 2.3 Body filler is mixed according to manufacturer specifications 2.4 Filler is applied to repair panels using approved body filler instructions and equipment according to workplace procedures, body filler manufacturer specifications, and safety and environmental requirements 2.5 Repairs are completed to pre-paint condition
3. Complete work processes	3.1 Final inspection is made to ensure work meets workplace repair standards and panel is presented ready for painting 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 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 specifications and relevant information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills	- clarify instructions and procedures - clearly report issues or outcomes.

Skills	Description
to:	
Numeracy skills to:	- use basic mathematical operations, including addition, subtraction, multiplication and division, to calculate ratios for dilution rates.to: - calculate body filler quantities and mix required ratios - calculate surface area.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Problem solving skills to:	- determine underlying causes of faults - identify risk factors and take action to minimise risk.
Technology skills to:	use specialist body repair tools and filler measuring 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>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 body panels - using SDS for body fillers - using tools and equipment, including dust and fume collection equipment - environmental requirements, including procedures for trapping, storing and disposing of waste materials.
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Unit Mapping Information

Equivalent to AURVTN3016 Repair body panels incorporating filler

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 AURVTN016 Repair vehicle body panels using filler

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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 body panels on five different vehicles using body filler, including the following repairs:
 - one dent to a maximum depth of 3 mm
 - one damaged body panel with minimum dimension of approximately 200 mm x 300 mm, including style lines.

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 vehicle body panels using filler, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manually handling body panels
 - using safety data sheets (SDS) for body fillers
 - using tools and equipment, including dust and fume collection equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- body filler manufacturer specifications
- types of body fillers and application methods and techniques, including:
 - preparing surface and removing paint
 - mixing and applying body fillers
 - correct storage to prevent contamination
 - weld-on dent pulling systems

- pre-paint panel finishing
- procedures and requirements for protecting vehicle and components when using filler to repair body panels
- procedures for final inspection of body filler repair.

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 vehicle body panels that they have repaired using body filler, 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
- SDS for body fillers
- five different vehicles requiring the filler repair work on their body panels specified in the performance evidence
- tools, equipment and materials appropriate for repairing body panels using filler, including:
 - required PPE
 - body filler materials, including two-pack polyester filler.

Links

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