



Australian Government

AURVTN116 Repair vehicle body panels using filler

Release: 1

AURVTN116 Repair vehicle body panels using filler

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 repair vehicle body panels using filler. This unit 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 to panels, completing repairs to pre-paint condition, and completing workplace processes and documentation.

The unit 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.

Unit Sector

Vehicle Body Technical - Body

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 to repair body panels using filler	1.1 Determine job requirements from workplace instructions 1.2 Source and interpret manufacturer specifications for body filler application and required safety data sheets (SDS) 1.3 Select materials required for body panel repair and check for quality 1.4 Identify hazards associated with the work and manage risks 1.5 Select and check tools and equipment for serviceability 1.6 Prepare work area and plan work to minimise waste and use time efficiently
2. Carry out repair	2.1 Remove paint and prepare damaged panel for filler repair

ELEMENTS	PERFORMANCE CRITERIA
activities using filler	2.2 Rectify damaged panel sections using panel beating techniques to workplace pre-filler application standard 2.3 Mix body filler according to manufacturer specifications 2.4 Apply filler to repair panels using required body filler instructions and equipment according to workplace procedures, body filler manufacturer specifications, and safety and environmental requirements 2.5 Complete repairs to pre-paint condition
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 Complete 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.
Numeracy	- Uses 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.
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Problem solving	- Determines underlying causes of faults - Identifies risk factors and takes action to minimise risk.
Technology	Uses specialised tools and measuring equipment.

Unit Mapping Information

Supersedes and equivalent to AURVTN016 Repair vehicle body panels using filler.

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 AURVTN116 Repair vehicle body panels using filler

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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:

- repair body panels on at least five different vehicles using body filler
- in the course of the above work the following repairs must be conducted on at least one occasion:
 - 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

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 repair vehicle body panels using filler, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to repair vehicle body panels using filler, including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) 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
- selecting 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
 - 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

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.

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

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