



Australian Government

AURVTN126 Repair vehicle aluminium body panels without the use of body filler

Release: 1

AURVTN126 Repair vehicle aluminium body panels without the use of body 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 aluminium body panels without the use of body filler. This unit involves preparing for the task, selecting and using specialist aluminium repair tools and equipment, including tungsten inert gas (TIG) and metal inert gas (MIG) welding equipment, repairing vehicle aluminium body panels, finishing repair to pre-paint condition, and completing workplace processes and documentation.

The unit 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.

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 aluminium body panels	1.1 Determine job requirements from workplace instructions 1.2 Access and interpret original equipment manufacturer (OEM) specifications and workplace procedures 1.3 Identify hazards associated with the work and manage risks 1.4 Select and check aluminium repair materials, tools and equipment for serviceability 1.5 Plan work to identify aluminium repair methods, minimise waste, and use time efficiently
2. Carry out repair and heat shrinking	2.1 Identify, remove, strip and prepare aluminium panel to be

ELEMENTS	PERFORMANCE CRITERIA
activities	repaired for repair according to workplace procedures 2.2 Select tools and equipment to prevent cross-contamination 2.3 Source and test aluminium welding equipment for operation 2.4 Use oxyacetylene plant to anneal and heat shrink stretched panel section as required 2.5 Finish aluminium panel repair to pre-paint condition without the use of body filler using planishing and file finishing techniques, and according to OEM or authorised agency's approved methods, workplace instructions, and safety and environmental requirements
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 measuring equipment.
Oral communication	- Clarifies instructions and procedures - Discusses work that could potentially disturb trim or electrical, mechanical or air conditioning systems - Reports quality issues and job outcomes clearly.
Problem solving	Identifies quality issues and potential problems associated with repairing aluminium body panels.
Technology	Uses specialist tools and equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTN026 Repair vehicle aluminium body panels without the use of body filler.

Links

Companion Volume Implementation Guide is found on VETNet -

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