



Australian Government

AURVTS104 Repair vehicle composite material components

Release: 1

AURVTS104 Repair vehicle composite material components

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 components on vehicle bodies using composite materials. It involves preparing for the task, selecting and using specialist tools and equipment, identifying suitable composite materials, calculating material quantities, mixing and applying recommended composite materials to repair components according to workplace and customer specifications, and completing workplace processes and documentation.

This unit applies to those working in the automotive service and body repair industry.

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

Unit Sector

Vehicle Body Technical – Fabrication

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 vehicle composite material component	1.1 Use workplace instructions to determine job requirements 1.2 Access and interpret fibreglass and composite material repair information is accessed and interpreted from workplace procedures and manufacturer specifications 1.3 Identify, select and inspect composite materials for quality 1.4 Identify hazards associated with the work and manage risks 1.5 Check work area with approved ventilation for required operation and report faults to authorised personnel 1.6 Identify composite tools and equipment and personal protective equipment (PPE) and check for serviceability

ELEMENTS	PERFORMANCE CRITERIA
	1.7 Prepare work area and plan work to identify methods for repairing a vehicle using composite materials and to minimise waste
2. Carry out repair activities	2.1 Locate items to be repaired and assess damage or faults to determine repair methods 2.2 Set up tools and equipment and mix and prepare materials for use 2.3 Carry out repairs to composite material components according to workplace procedures and safety and environmental requirements 2.4 Apply reinforcement techniques to reinstate pre-damage strength to composite materials 2.5 Apply finishing techniques to present composite surfaces to manufacturer and workplace quality standards 2.6 Complete repairs to composite material components without causing damage to equipment and components
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 component surface area - calculate quantities of composite and fibreglass materials - Determines ratios and mixing percentages.
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Planning and organising	- Plans own work requirements - Prioritises actions to achieve required outcomes

SKILL	DESCRIPTION
	Ensures tasks are completed within workplace timeframes.
Technology	Uses specialist composite material tools and equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTS004 Repair vehicle composite material components.

Links

Companion Volume Implementation Guide is found on VETNet -

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