



Australian Government

AURVTN140 Repair vehicle plastic components

Release: 1

AURVTN140 Repair vehicle plastic 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 carry out basic repairs to vehicle plastic components. This unit involves planning and preparing for the task, identifying types of automotive plastic components, selecting and using tools and equipment, welding plastic components, and maintaining the work area, tools and equipment.

The unit applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry. The unit is designed for use in a highly supervised context.

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 plastic component	1.1 Interpret task instructions and identify plastic component to be worked on 1.2 Source and interpret manufacturer specifications and workplace procedures for repairing component 1.3 Source and interpret safety and environmental requirements 1.4 Identify and report potential hazards and risks associated with task to workplace supervisor 1.5 Identify tools and equipment required for repairing component and check for serviceability

ELEMENTS	PERFORMANCE CRITERIA
2. Repair plastic component	2.1 Select and use required plastic welding techniques and adhesives to repair component according to workplace requirements and procedures, and safety and environmental requirements 2.2 Select and apply body filler to the component according to workplace requirements, and safety and environmental requirements 2.3 Complete repairs to pre-paint condition according to workplace requirements and procedures, and safety and environmental requirements 2.4 Inspect repaired component according to workplace requirements 2.5 Record component inspection results
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 volumes.
Oral communication	Participates effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Reading	- Selects and interprets key information from: - manufacturer literature, safety requirements and workplace procedures for repairing plastic components - environmental requirements and workplace procedures to ensure a clean and safe work site.
Technology	Sets up and operates specialised equipment and tools.

Unit Mapping Information

Supersedes and is equivalent to AURVTN040 Repair vehicle plastic components.

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 AURVTN140 Repair vehicle plastic components

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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 at least two different vehicle plastic components, in which the work must involve:
 - at least one plastic welding repair
 - at least one plastic filling repair.

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 plastic components, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to repair vehicle plastic components, 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 plastic components, including procedures for:
 - selecting and using personal protective equipment (PPE), including safety glasses, ear protection and safety footwear
 - using hand tools

- environmental requirements, including procedures for trapping, storing and disposing of waste produced during repair processes
- types and construction of vehicle plastic components
- plastic component repair procedures, including:
 - plastic welding
 - types and application of body fillers
 - types and application of adhesives
 - repair finish standard.

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.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the plastic 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
- PPE for repairing vehicle plastic components
- two different vehicle plastic components requiring repair
- tools, equipment and materials appropriate for repairing vehicle plastic components.

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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