



Australian Government

AURVTN040 Repair vehicle plastic components

Release: 1

AURVTN040 Repair vehicle plastic components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to carry out basic repairs to vehicle plastic components. It 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.

It 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 and is not suitable for use in a vocational qualification.

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 plastic component	1.1 Task instructions are interpreted and plastic component to be worked on is identified 1.2 Manufacturer specifications and workplace procedures for

Elements Elements describe the essential outcomes.	Performance Criteria 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.
	repairing component are sourced and interpreted 1.3 <i>Safety and environmental requirements</i> are sourced and interpreted 1.4 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.5 Tools and equipment required for repairing component are identified and checked for serviceability
2. Repair plastic component	2.1 Suitable plastic welding techniques and adhesives are selected and used to repair component according to workplace requirements and procedures, and safety and environmental requirements 2.2 Body filler is selected and applied to the component according to workplace requirements, and safety and environmental requirements 2.3 Repairs are completed to pre-paint condition according to workplace requirements and procedures, and safety and environmental requirements 2.4 Repaired component is inspected according to workplace requirements 2.5 Component inspection results are recorded
3. Complete work processes	3.1 Final inspection is made to ensure work meets task instructions and workplace standards, and component is presented ready for painting, further processes, or storage according to workplace procedures 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored according to environmental requirements and workplace procedures 3.3 Tools and equipment are checked and stored according to workplace procedures, or tagged and reported as required 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 appropriate sources of plastic component repair information and procedures.
Reading skills to:	- select and interpret 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.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills to:	participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Numeracy skills to:	use basic mathematical operations, including addition, subtraction, multiplication and division, to calculate volumes.
Technology skills to:	set up and operate equipment and tools required to repair plastic components.

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 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.
---	---

Unit Mapping Information

No equivalent unit.

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 AURVTN040 Repair vehicle plastic components

Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

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

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 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

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.

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.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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