



Australian Government

AURVTN119 Repair vehicle structural damage by riveting

Release: 1

AURVTN119 Repair vehicle structural damage by riveting

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 structural damage on a vehicle, using riveting techniques. This unit involves preparing for the task, selecting and using specialist tools and equipment, repairing or replacing riveted panels, including straightening, realignment and attachment procedures, 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 riveted structural damage	1.1 Determine job requirements from workplace instructions 1.2 Access and interpret structural repair and riveting information from original equipment manufacturer (OEM) or authorised agency's specifications and workplace procedures 1.3 Select and check materials for repair for quality 1.4 Identify hazards associated with the work and manage risks 1.5 Select tools and equipment and check for serviceability 1.6 Prepare work area and plan work to minimise waste and use time efficiently
2. Carry out structural riveting procedures	2.1 Repair or replace components according to OEM or approved agency's riveting procedures, and equipment, safety and

ELEMENTS	PERFORMANCE CRITERIA
	environmental requirements 2.2 Seek assistance from authorised personnel where straightening, realigning and riveting of components disturb vehicle trim or electrical, mechanical or air conditioning systems
3. Carry out body measuring procedures	3.1 Measure repaired and riveted structural components using workplace instructions and OEM or authorised agency's approved methods and equipment 3.2 Carry out measuring activities and compare measurements with OEM or authorised agency's specifications and workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 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 and subtraction, to: - calculate repair tolerances - measure accurately - Set and adjust riveting equipment.
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Problem solving	Refers problems outside area of responsibility to required person.
Technology	- Uses specialised tools and equipment - Uses internet to research OEM procedures.

Unit Mapping Information

Supersedes and is equivalent to AURVTN019 Repair vehicle structural damage by riveting.

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 AURVTN119 Repair vehicle structural damage by riveting

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

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:

- complete repair and riveting activities on at least three different damaged vehicles.

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 structural damage by riveting, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to repair vehicle structural damage by riveting, 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 structural damage by riveting, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manually handling vehicle panels
 - using tools and equipment
- environmental requirements, including procedures for trapping, storing and disposing of waste materials

- vehicle components for repair, including radiator support riveted assemblies and skirt and rail assemblies
- original equipment manufacturer (OEM) or authorised agency's approved riveting instructions, rivet specifications and quality standards
- tools and equipment relating to repairing vehicle structural damage by riveting, including:
 - personal protective equipment (PPE)
 - hand and power tools and equipment
 - hydraulic pneumatic push/pull equipment
 - OEM or authorised agency's approved riveting and measuring equipment
 - straightening systems
- riveting procedures and techniques, including:
 - use of repair, riveting and measuring equipment
 - hydraulic straightening and realigning
 - body component measuring
 - panel replacement
- procedures for final inspection of riveted structural 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 structural damage they have repaired using riveting techniques, 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
- OEM or authorised agency's approved repair and riveting procedures and specifications
- PPE required to repair and rivet structurally damaged sections
- materials required to rivet, repair and replace structurally damaged sections
- three different structurally damaged vehicles requiring repair by riveting
- tools, equipment and materials appropriate for repairing structural damage by riveting.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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