



Australian Government

Assessment Requirements for AURVTS104 Repair vehicle composite material components

Release: 1

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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:

- repair composite components of at least two different vehicles, including a repair to a different one of the following for each:
 - a 50 mm diameter hole
 - a 100 mm split.

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 composite material components, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to repair vehicle composite material 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 composite material components, including procedures for:

- selecting and using personal protective equipment (PPE)
- using tools and equipment
- satisfying ventilation requirements for work area
- using safety data sheets (SDS) for composite materials
- handling and storing hazardous resins and chemicals
- environmental requirements, including procedures for trapping, storing and disposing of resins, chemicals and waste materials produced during fabrication process
- fibreglass and composite material repair procedures and techniques, including:
 - types and application of specialist composite tools and equipment
 - composite material measuring equipment
 - specialist hand tools
 - types and features of fibreglass and composite materials including:
 - fibreglass matting
 - gel coats
 - release agents
 - resins
 - catalysts
 - cleaning materials
 - use of composite moulds required for support backing during repair
 - measuring and calculation techniques
 - surface preparation for composite repairs
 - mixing and applying composite materials according to manufacturer specifications
 - finishing techniques for composite surfaces
 - reinforcement methods to reinstate pre-damage strength
 - composite repair problems and resolution techniques
- procedures for final inspection of repaired composite component.

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 components made of composite materials 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
- workplace instructions

- PPE required to repair composite components
- SDS for composite materials
- composite materials
- two different vehicles requiring the composite component repairs specified in the performance evidence
- tools, equipment and materials appropriate for repairing vehicle composite material components.

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>