



Australian Government

AUMATN001 Repair structural faults in vehicles

Release: 1

AUMATN001 Repair structural faults in vehicles

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATN3001 Conduct structural rectification of vehicle bodies

Application

This unit describes the performance outcomes required to inspect, assess and repair structural faults in vehicle bodies and components.

It applies to those in an automotive manufacturing environment and involves the application of skills and knowledge at a specialist level.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Competency Field

Common

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 italicised text is used, further information is detailed in the range of conditions section
1. Plan and prepare	1.1 <i>Workplace procedures</i> are identified and followed 1.2 Work instructions, repair plan, rectification reports and vehicle specifications are obtained and confirmed 1.3 Tools and equipment are selected and inspected for faults
2. Assess defects to inform repair plan	2.1 Vehicle bodies and components are assessed to confirm type and cause of structural defect

Elements	Performance Criteria
	2.2 Type of structural repair is selected and planned 2.3 Repair plan is presented to appropriate personnel for approval 2.4 Materials required for the repair are identified, obtained and prepared
3. Repair defects	3.1 Defective section of vehicle body or component is repaired or replaced according to job specifications 3.2 Defect repair is finished to job specifications 3.3 Repaired defects are inspected for quality and serviceability according to workplace procedures
4. Complete work processes	4.1 Work area is cleaned, and materials disposed of or recycled according to workplace procedures 4.2 Tools and equipment are cleaned, checked and stored according to workplace procedures 4.3 Faulty equipment is tagged and reported to supervisor 4.4 Repair documents are completed according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Reading skills to:	- identify work health and safety (WHS) requirements and workplace procedures - interpret work instructions, inspection reports and repair plan.
Writing skills to:	- legibly complete repair plan - complete faulty equipment tags.
Oral communication skills to:	inform team members of repair plan and methods.
Numeracy skills to:	- interpret vehicle specifications - identify part numbers.
Digital literacy skills to:	- use digital repair and alignment tools - use repair, welding and alignment equipment - use workplace computer systems.

Initiative skills to:	• adapt to changing work conditions and contexts.
Planning and organising skills to:	• plan and prepare tools, equipment, materials, repair plan and work area • organise and conduct repairs in the given time.
Problem-solving skills to:	• access, interpret and apply work instructions and workplace procedures • ensure cutting, grinding and welding activities comply with WHS requirements.

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>Workplace procedures</i> must include:	• quality requirements • recording and reporting • use of equipment • WHS requirements.
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Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

Assessment Requirements for AUMATN001 Repair structural faults in vehicles

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Performance Evidence

Before competency can be determined, individuals must have competently repaired structural faults on vehicle bodies and components on a minimum of three occasions.

Individuals must demonstrate they can:

- locate, interpret and apply relevant rectification instructions and information
- calculate material requirements
- conduct repairs that comply with vehicle specifications
- use tools and equipment safely to repair structural faults in vehicles
- repair structural faults in vehicles according to work health and safety (WHS) requirements and workplace procedures
- communicate repair requirements with co-workers.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS requirements to repair vehicle structural faults
- workplace procedures to repair vehicle structural faults
- repair quality standards
- repair techniques for vehicle bodies and components
- procedures for using tools and equipment
- methods and techniques required to repair structural faults and defects
- vehicle specifications
- material handling procedures.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles that they have worked on, 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 manufacturing workplace or simulated workplace
- tools, equipment and materials required for structural rectification
- vehicles or components requiring structural rectification or repair
- vehicle specifications
- repair plan and work instructions
- workplace procedures to repair vehicle structural faults.

Links

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