



Australian Government

AUMATA005 Rectify assembly faults

Release: 1

AUMATA005 Rectify assembly faults

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATA3005 Rectify assembly faults in assembled vehicles

Application

This unit describes the performance outcomes required to rectify assembly faults based on recommendations from vehicle inspection and test reports.

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

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Competency Field

Manufacturing - Common

Unit Sector

Technical

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 work	1.1 Work order and work instructions, inspection reports and specifications are obtained and confirmed 1.2 Tools, equipment and materials required for the job are selected and inspected for safe operation and quality
2. Locate and rectify faults	2.1 <i>Workplace procedures</i> are identified and followed 2.2 <i>Faults</i> are located and diagnosed, and correction method is planned

Elements	Performance Criteria
	2.3 Replacement materials are identified, obtained and prepared according to inspection reports 2.4 Rectification activities are carried out according to vehicle specifications 2.5 Faults are re-diagnosed to ensure they have been rectified and final adjustments are made
3. Complete work processes	3.1 Work area is cleaned, and materials disposed of or recycled according to workplace procedures 3.2 Tools and equipment are cleaned, checked and stored according to workplace procedures 3.3 Faulty tools and equipment are identified, tagged and reported 3.4 Repair inspection reports and work sheets 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:	- interpret work health and safety (WHS) requirements - interpret work orders, work instructions and inspection reports - interpret workplace procedures.
Writing skills to:	- legibly complete work sheets and repair inspection reports - complete faulty equipment tags.
Oral communication skills to:	- inform team members of work plan for rectifying vehicle faults - communicate in the workplace and use automotive terminology.
Numeracy skills to:	- interpret vehicle specifications - identify part numbers.
Digital literacy skills to:	- use digital measuring tools - use workplace computer systems.
Planning and organising skills to:	prepare work area, tools, materials and repair plan.
Problem-solving skills to:	identify assembly faults and best correction method.

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:	• continuous improvement processes • equipment maintenance and storage • quality guidelines • recording and reporting • use of equipment • WHS requirements.
<i>Faults</i> must include:	• body panel and component fit • door gaps • surface damage • vehicle sealing • weld defects.

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 AUMATA005 Rectify assembly faults

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Performance Evidence

Before competency can be determined, individuals must have competently rectified assembly faults to vehicles and components on a minimum of two occasions.

Individuals must demonstrate they can:

- apply relevant workplace instructions, and quality and job specifications
- comply with work health and safety (WHS) requirements relating to rectifying assembly faults
- follow workplace procedures relating to rectifying assembly faults
- use tools and equipment safely when rectifying assembly faults
- communicate effectively in the automotive manufacturing workplace
- disassemble and re-assemble vehicle door components
- replace door trim
- rectify vehicle water and wind leaks
- diagnose and rectify assembly faults relating to:
 - door and boot seal faults
 - vehicle body gaps
 - vehicle floor sealing.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures relating to rectifying assembly faults
- workplace quality standards relating to rectifying assembly faults
- common assembly and sealing system faults
- types and uses of tools and equipment appropriate to rectifying assembly faults
- sealing system testing techniques, including water and wind testing
- vehicle specifications, components and systems

- WHS requirements relating to rectifying assembly faults.

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
- vehicle specifications
- inspection and test reports for assembly faults
- repair tools and equipment required to repair assembly faults
- vehicles or components with defects
- repair and work instructions
- workplace procedures, including quality procedures, relating to rectifying assembly faults
- WHS requirements relating to rectifying assembly faults.

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