



Australian Government

AUMATA004 Diagnose and repair mechanical faults

Release: 1

AUMATA004 Diagnose and repair mechanical faults

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATA3004 Rectify mechanical faults on assembled vehicles

Application

This unit describes the performance outcomes required to diagnose and repair mechanical faults based on recommendations from inspection records.

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 for diagnostic and repair activities	1.1 Work instructions, inspection reports, forms and quality requirements are obtained, confirmed with appropriate personnel, and applied 1.2 Tools, equipment and materials are identified, obtained and prepared
2. Undertake diagnostic and repair activities	2.1 Diagnostic and repair activities are carried out according to <i>workplace procedures</i>

Elements	Performance Criteria
	2.2 Inspection reports are interpreted, mechanical faults identified, and corrective action is planned 2.3 Faults are rectified according to specification 2.4 Faults are re-diagnosed to ensure they have been eliminated, and final adjustments are made
3. Complete work processes	3.1 Repair documentation is completed according to workplace procedures 3.2 Work area is cleaned, and materials disposed of or recycled according to workplace requirements 3.3 Tools and equipment are cleaned, checked, maintained and stored according to workplace requirements 3.4 Faulty tools and equipment are identified, tagged and reported 3.5 Work sheets and inspection reports 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 instructions and workplace procedures - interpret inspection reports, repair manuals and specification sheets.
Writing skills to:	- complete inspection and fault rectification reports - prepare a repair plan - complete faulty equipment tags.
Oral communication skills to:	- inform team members of suitable repair methods used in correcting faults - communicate and receive work instructions.
Numeracy skills to:	interpret job instructions.

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 • work health and safety (WHS) requirements.
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Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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