



Australian Government

AUMFTM001 Undertake preliminary fault finding and machine reset

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTM3001 Undertake preliminary fault finding and machine reset

Application

This unit describes the performance outcomes required to enable an operator to perform a simple fault-finding task in a production environment.

It applies to those in a 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 - Passenger Vehicle

Unit Sector

Technical – Manufacture

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. Prepare for fault finding and machine reset	1.1 <i>Work instructions</i> are identified and confirmed 1.2 Fault-finding checklist is developed and implemented 1.3 Machines and equipment for <i>preliminary fault finding and reset</i> are identified
2. Undertake fault finding	2.1 Machine faults and machine reset requirements are identified

Elements	Performance Criteria
and machine reset	according to checklist 2.2 Identified faults are repaired, adjusted and recorded 2.3 Machines are reset as required according to workplace procedures 2.4 Machinery repair team and other relevant personnel are advised of outcomes
3. Complete work processes	3.1 Causes of faults are reported to appropriate personnel 3.2 Suggestions for improvement to machine operating procedures are reported 3.3 New process is validated and workplace is restored 3.4 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 instructions relating to machine operating procedures - analyse fault checklists and reports.
Writing skills to:	complete fault finding checklist and reports.
Oral communication skills to:	- refer equipment, tool and machinery faults to appropriate personnel - communicate machine faults and reset requirements to co-workers.
Numeracy skills to:	- record parts numbers and materials used for stock control - use imperial and metric systems to required specifications.
Planning and organising skills to:	prepare machines and work area for fault-finding activities.

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.

Work instructions must include:	• manufacturer instructions for the use of equipment and materials • workplace procedures relating to the use and operation of tools and equipment • workplace instructions, including: • drawings and designs • fault-finding plans • job sheets • machine reset specifications • workplace procedures relating to reporting and communications.
Preliminary fault finding and reset must include:	• communication with production line supervisor and emergency repair team • following workplace checklists and routines to establish: • component defects • machine malfunction faults • machine reset requirements.

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 AUMFTM001 Undertake preliminary fault finding and machine reset

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Performance Evidence

Before competency can be determined, individuals must have competently demonstrated that they can undertake preliminary fault finding and machine resetting on a minimum of three occasions.

Individuals must demonstrate they can:

- comply with workplace procedures and work health and safety (WHS) requirements when undertaking machine fault finding and reset
- follow safe fault-finding and resetting practices
- follow and execute preliminary fault-finding checklist
- document fault finding outcomes
- comply with work quality goals.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and WHS requirements relating to undertaking machine fault finding and reset
- workplace production processes and requirements
- fault-finding materials, equipment and tools
- fault-finding methods and techniques
- quality and performance measures
- recording, reporting and maintenance information.

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 machinery on which they have worked, e.g. maintenance work sheets.

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 environment
- fault-finding tools and equipment for automotive manufacturing machinery
- automotive manufacturing machinery with faults that require testing and resetting
- workplace procedures, manufacturer operating instructions and fault-finding checklists for automotive manufacturing machinery.

Links

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