



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AUMFTM3001 Undertake preliminary fault finding and machine reset**

**Release: 1**

## AUMFTM3001 Undertake preliminary fault finding and machine reset

### Modification History

Not applicable.

### Unit Descriptor

<b>Unit descriptor</b>	This unit describes the application of the required skills and knowledge to enable an operator to perform a simple fault finding routine in a production environment and to respond appropriately. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
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### Application of the Unit

<b>Application of the unit</b>	This unit applies to the automotive and related component manufacturing environment and involves application of skills and knowledge at a specialist level. These skills and knowledge are to be used within the scope of the person's job and authority.
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### Licensing/Regulatory Information

Not applicable.

### Pre-Requisites

Not applicable.

### Employability Skills Information

<b>Employability skills</b>	This unit contains Employability Skills.
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## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge and/or the range statement. Assessment of performance is to be consistent with the evidence guide.
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## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for fault finding and machine reset	1.1. <b><i>Instructions</i></b> are read and interpreted, checklists and procedures are reviewed and responsibilities confirmed 1.2. Machines, equipment and/or for <b><i>preliminary fault finding and/or reset</i></b> are identified
2. Practise fault finding and machine reset	2.1. Check list, through phased fault finding steps is implemented 2.2. Faults and remedial action identified in accordance with check list 2.3. Machine is reset if appropriate in accordance with organisational procedures 2.4. Briefing the follow-up emergency repair team is conducted
3. Undertake housekeeping	3.1. Incidents are reported to appropriate personnel 3.2. Suggestions for improvements to the check list or machine operating procedures are reported 3.3. Validation of new process is conducted and workplace is restored

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

#### Required skills

- speak clearly and directly
- apply teamwork to a range of situations
- solve problems particularly in teams in order to meet performance indicators
- show initiative in adapting to changing work conditions or contexts particularly when working across a variety of work areas
- access, interpret and apply information on relevant organisation policies, procedures and instructions
- manage time when planning, preparing and organising work priorities
- take responsibility for organising own work priorities.

#### Required knowledge

- relevant Occupational Health and Safety and Environmental legislation, regulations, standards and codes of practice and organisation policies and procedures needed to carry out work in a manner which ensures the safety of people, equipment and the environment.
- organisational supply/replenishment systems and processes for materials, equipment and tools
- quality systems and performance measures
- established communication channels and protocols
- procedures for the recording, reporting and maintenance of organisation records and information.

## Evidence Guide

<b>EVIDENCE GUIDE</b>	
<p>The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.</p>	
<b>Overview of assessment</b>	
<b>Critical aspects for assessment and evidence required to demonstrate competency in this unit</b>	<p>Evidence of the following is essential:</p> <ul style="list-style-type: none"> <li>• compliance with relevant legislation, regulations, standards, codes of practice and established safe practices and organisation policies and procedures for preliminary fault finding and machine reset</li> <li>• working and communicating effectively and positively with others involved in the work</li> <li>• applying, within authority, the requirements of the job or work role in relation to:               <ul style="list-style-type: none"> <li>• following and executing preliminary fault finding check list</li> <li>• accurately documenting and reporting findings</li> <li>• achieving work quality goals</li> <li>• completing work area housekeeping requirements</li> </ul> </li> <li>• modify activities to cater for variations in organisation context and environment.</li> </ul>
<b>Context of and specific resources for assessment</b>	<ul style="list-style-type: none"> <li>• assessment of the competency should take place in a safe working environment in a passenger motor vehicle manufacturing plant or simulated environment using tools/equipment/machinery required for the production process without undue disruption to the production process</li> <li>• assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints.</li> </ul>
<b>Method of assessment</b>	<p>A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:</p> <ul style="list-style-type: none"> <li>• assessment methods must confirm consistency and accuracy of performance (over time and in a range of organisation relevant contexts) together with application of underpinning knowledge</li> <li>• assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application</li> <li>• assessment may be applied under project related conditions (real or simulated) and require evidence of process</li> <li>• assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular</li> </ul>

**EVIDENCE GUIDE**

	circumstance, but is able to be transferred to other circumstances.
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**Range Statement****RANGE STATEMENT**

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording in the Performance Criteria is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

***Instructions*** may include:

- organisation procedures relating to the use and operation of tools and equipment
- production planning figures
- organisation instructions, including job sheets, plans, specifications, drawings and designs
- organisation procedures relating to reporting and communications
- manufacturers' instructions for the use of equipment and materials.

***Preliminary fault finding and machine reset*** may include:

- following organisational checklists and routines to establish the nature of the stoppage and required remedial action. This may allow user action to remedy fault or require the call out of an emergency response team.

**Unit Sector(s)**

<b>Unit sector</b>	Technical -Manufacture
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**Competency field**

<b>Competency field</b>	Manufacturing - Passenger Motor Vehicle
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## **Co-requisite units**

Not applicable.