



Australian Government

AUMATK003 Monitor and maintain automotive equipment

Release: 1

AUMATK003 Monitor and maintain automotive equipment

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATK3003 Monitor and maintain equipment, tools and machinery

Application

This unit describes the performance outcomes required to monitor and maintain tools, equipment and machinery in an automotive environment.

It involves monitoring the tools, equipment and machinery during operation, performing minor maintenance, and applying preventative maintenance procedures.

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

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

Competency Field

Common

Unit Sector

Technical - Tools and Equipment

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. Monitor operation	1.1 Operation of <i>tools, equipment and machinery</i> is <i>monitored</i> in line with work health and safety (WHS) requirements to ensure they are performing according to job requirements and operator instructions 1.2 Processes relevant to the task are monitored according to

Elements	Performance Criteria
	manufacturer specifications, workplace instructions and procedures
2. Perform minor maintenance	2.1 Minor maintenance is performed on tools, equipment and machinery according to manufacturer specifications, workplace procedures and WHS requirements 2.2 Maintenance requirements outside the range of operator expertise or responsibility are reported to appropriate personnel, according to workplace procedures
3. Apply preventative maintenance	3.1 Tools, equipment and machinery used in the manufacturing process are checked according to workplace and manufacturer preventative maintenance procedures 3.2 Identified requirements of tools, equipment and machinery are reported to appropriate personnel according to workplace procedures
4. Complete monitoring and maintenance procedures	4.1 Equipment, tools, machinery and work areas are cleaned and maintained according to workplace procedures 4.2 Faulty or damaged tools, equipment and machinery are identified, tagged and reported according to workplace procedures 4.3. Workplace documentation and equipment maintenance 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:	- identify and understand tools, equipment and machinery operator instructions - follow manufacturer maintenance specifications - identify WHS requirements relating to monitoring and maintaining equipment - understand and follow manufacturer preventative maintenance procedures.
Writing skills to:	- legibly complete equipment maintenance schedules and reports - complete faulty tools, equipment and machinery tags.
Oral communication skills to:	- inform supervisor of faulty or damaged equipment, tools and machinery - report maintenance requirements to appropriate personnel.

Numeracy skills to:	• identify deviations from correct operation of tools, equipment and machinery from measurements and calculations • understand time and dates in maintenance schedules.
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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>Monitored</i> must include:	• checking for abnormal operation of equipment, tools or machinery • checking quality of products during the manufacturing process • standardised workplace preventative maintenance schedules.
<i>Tools, equipment and machinery</i> must include:	• hand, power and air tools • production assembly equipment.
<i>Minor maintenance</i> must include:	• visual inspections • pre-start checks • shutdown checks • removing and replacing parts or components.
<i>Workplace procedures</i> must include:	• continuous improvement programs • operation of tools, equipment and machinery • WHS requirements • workplace instructions.
<i>Preventative maintenance procedures</i> must include:	• maintaining or replacing consumables • making minor adjustments • providing feedback on ways to improve equipment maintenance • recorded regular inspections.
<i>Requirements</i> must include:	• adjustment • cleaning • modification • repair • replacement • servicing.

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 AUMATK003 Monitor and maintain automotive equipment

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Performance Evidence

Before competency can be determined, individuals must have competently monitored and maintained tools, equipment and machinery on a minimum of two occasions.

Individuals must demonstrate they can:

- observe workplace procedures and safety requirements relating to monitoring and maintaining tools, equipment and machinery
- monitor the operation of tools, equipment and machinery
- identify faults in the operation of tools, equipment and machinery, and determine action to be taken
- perform routine maintenance of tools, equipment and machinery
- correctly and legibly complete workplace documentation relating to monitoring and maintaining tools, equipment and machinery
- report faulty or damaged tools, equipment and machinery.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety requirements relating to monitoring and maintaining tools, equipment and machinery
- equipment, material and personal safety requirements relating to monitoring and maintaining tools, equipment and machinery
- types, uses, limitations and care of basic servicing tools and common lubricants and applicators relevant to tools, equipment and machinery in the vehicle or component manufacturing workplace
- monitoring and maintenance procedures for tools, equipment and machinery in the vehicle or component manufacturing workplace
- maintenance requirements for tools, equipment and machinery.

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 tools, equipment and machinery they have monitored and maintained, 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 machinery required for the production process of motor vehicles or components
- tools, equipment and machinery operating procedures
- maintenance tools relevant to the tools, equipment and machinery
- monitoring and maintenance documentation relevant to the tools, equipment and machinery.

Links

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