



Australian Government

AUMATK013 Monitor and maintain automotive equipment

Release: 1

AUMGTM013 Install or replace mechanical units and assemblies

Modification History

Release	Comment
Release 1	New unit of competency

Application

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

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.

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.
1. Monitor operation	1.1 Identify and monitor processes relevant to the task according to manufacturer specifications, workplace instructions and procedures 1.2 Monitor operation of tools, equipment and machinery to ensure they are performing according to job requirements and operator instructions
2. Perform minor maintenance	2.1 Perform minor maintenance on tools, equipment and machinery according to manufacturer specifications, workplace procedures and WHS requirements 2.2 Identify maintenance requirements outside the range of operator expertise or responsibility and report to appropriate personnel, in accordance with workplace procedures

Elements	Performance Criteria
3. Apply preventative maintenance	3.1 Check tools, equipment and machinery used in the manufacturing process according to workplace and manufacturer preventative maintenance procedures 3.2 Report identified requirements of tools, equipment and machinery to appropriate personnel according to workplace procedures
4. Complete monitoring and maintenance procedures	4.1 Maintain and clean equipment, tools, machinery and work areas according to workplace procedures 4.2 Identify, tag and report faulty or damaged tools, equipment and machinery according to workplace procedures 4.3 Complete workplace documentation and equipment maintenance reports 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 report 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.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AUMATK013 Monitor and maintain automotive equipment	AUMATK003 Monitor and maintain automotive equipment	Additions to Assessment Requirements due to rationalisation of Range of Conditions. Minor changes to ensure policy adherence.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -

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

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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, in the manner described in the Performance Criteria of this unit.

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 minor and preventative maintenance of tools, equipment and machinery, including:
 - carrying out visual inspections
 - conducting pre-start checks
 - conducting shutdown checks
 - removing and replacing parts or components
 - maintaining or replacing consumables
 - making minor adjustments
 - providing feedback on ways to improve equipment maintenance
- correctly and legibly complete workplace documentation relating to monitoring and maintaining tools, equipment and machinery

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- 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, including:
 - adjustment
 - cleaning
 - modification
 - repair
 - replacement
 - servicing
- workplace procedures relating to monitoring and maintaining equipment, including:
 - continuous improvement practices
 - operation of tools, equipment and machinery
 - workplace instructions.
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Assessment Conditions

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

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.

The following resources must be made available:

- automotive workplace or simulated workplace
- tools, equipment and machinery required for the production process of motor vehicles or components, including:
 - hand, power and air tools
 - production assembly equipment.
- 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.
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