



Australian Government

AUMATK008 Maintain vehicle plant, tools, equipment and systems Package (First)

Release: 1

AUMATK008 Maintain vehicle plant, tools, equipment and systems

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATK4008 Maintain plant, tooling, equipment or systems

Application

This unit describes the performance outcomes required to maintain and service plant, tools, equipment and systems required for the design, development and production of motor vehicles.

It applies to those in an automotive manufacturing environment.

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. Develop maintenance plans	1.1 Workplace procedures for maintaining plant, tools, equipment and systems are confirmed 1.2 Plant, tools, equipment or system to be maintained is identified 1.3 <i>Instructions</i> , plans and workplace checklists are identified 1.4 <i>Preventative maintenance</i> requirements are identified from

Elements	Performance Criteria
	manufacturer recommendations 1.5 Preventative maintenance work plan and schedules are prepared and submitted to appropriate personnel
2. Conduct maintenance	2.1 Preventative maintenance is conducted according to work plans and procedures and plant, tool, equipment or system is inspected for wear, defects and damage 2.2 Maintenance requirements are reported and recommendations made to appropriate personnel 2.3 Maintenance activities are conducted and results documented
3. Monitor performance post-maintenance	3.1 Critical performance measures and observations of plant, tool, equipment or system are obtained and recorded 3.2 Recorded performance measures and observations are compared against specifications and reported according to workplace procedures
4. Conduct adjustments and service	4.1 Checks and adjustments are made as required 4.2 Lubrication and regular servicing are carried out according to workplace procedures and manufacturer specifications 4.3 Adjustments and servicing procedures are documented
5. Document outcomes	5.1 Routine adjustments, and emergency and preventative maintenance activities are documented 5.2 Defective or malfunctioning plant, tools, equipment and system are reported 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 workplace procedures - interpret maintenance schedules and work plans - identify maintenance instructions.
Writing skills to:	record and report maintenance progress and outcomes.
Oral communication skills to:	- communicate between team members - discuss maintenance plans and schedules - discuss performance measures.

Numeracy skills to:	- interpret specifications - determine maintenance schedule timelines - calculate material requirements - operate measuring tools and equipment.
Digital literacy skills to:	operate computer-based maintenance programs.
Initiative skills to:	adapt to changing work conditions and contexts.
Planning and organising skills to:	manage timelines when planning, preparing and conducting maintenance.
Problem-solving skills to:	identify problems and recommend solutions.

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>Instructions</i> must include:	- job sheets - maintenance instructions - manufacturer instructions - use and operation of tools and equipment - work plans, specifications and drawings - workplace procedures - workplace reporting and communications.
<i>Preventative maintenance</i> must include:	plans for daily, weekly, monthly and annual inspection and servicing of plant, tools, equipment and systems.

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 AUMATK008 Maintain vehicle plant, tools, equipment and systems

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Performance Evidence

Before competency can be determined, individuals must have competently maintained plant, tools, equipment or systems on a minimum of two occasions.

Individuals must demonstrate they can:

- work and communicate with others in an automotive manufacturing workplace
- maintain plant, tools, equipment and systems according to workplace procedures and work health and safety (WHS) requirements
- adjust and service plant, tools, equipment and systems
- prepare reports relating to the maintenance of vehicle plant, tools, equipment and systems
- achieve work quality goals relating to the maintenance of vehicle plant, tools, equipment and systems
- complete workplace documents of maintenance activity and process outcomes.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and WHS requirements relating to the maintenance of vehicle plant, tools, equipment and systems
- production performance requirements relating to the maintenance of vehicle plant, tools, equipment and systems
- operation of systems and components relating to the maintenance of vehicle plant, tools, equipment and systems
- types of tools and equipment and their safe operating procedures
- tool and equipment maintenance requirements
- environmental protection requirements
- communication protocols
- problem identification and resolution techniques when maintaining vehicle plant, tools, equipment and systems

- procedures for recording and reporting workplace information relating to the maintenance of vehicle plant, tools, equipment and systems.

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 maintaining vehicle plant, tools, equipment and systems, e.g. work 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
- workplace procedures relating to the maintenance of vehicle plant, tools, equipment and systems
- production plant, tools, equipment or systems requiring maintenance
- maintenance instructions, materials, workplace information, work plans and specifications.

Links

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