



Australian Government

AUMATS001 Stamp and press vehicle parts

Release: 1

AUMATS001 Stamp and press vehicle parts

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATS2001 Stamp and press parts

Application

This unit describes the performance outcomes required to safely and efficiently cut blanks, fabricate formed vehicle parts, and change over dies.

It applies to those in an automotive 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 - Fabrication

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. Plan and prepare	1.1 Work instructions and job specifications are identified and confirmed 1.2 Tools and equipment for the job are inspected and identified faults are rectified or reported 1.3 Materials list is interpreted and materials are selected and prepared
2. Cut blanks to size	2.1 <i>Workplace procedures</i> are identified

Elements	Performance Criteria
	2.2 Cutting equipment is set and adjusted to specifications to minimise waste 2.3 Blanks are cut to specification, sorted, stacked and recorded for production purposes and transportation
3. Fabricate formed parts	3.1 Pre-prepared materials are selected and loaded according to job specifications 3.2 Formed parts are pressed and checked for specification and quality 3.3 Faulty parts are marked and recorded according to workplace procedures
4. Maintain and change over dies	4.1 Die surfaces are cleaned and inspected, with defective dies identified for repair or disposal, and appropriate personnel notified 4.2 Die is removed from press, covered to protect surfaces, and stored 4.3 Change-over die is fitted to the press according to set-up procedure and tested to specification
5. Complete work processes	5.1 Tools and equipment are cleaned, inspected, maintained and stored according to workplace procedures 5.2 Faulty or damaged dies and equipment are identified, tagged and reported according to workplace procedures 5.3 Work area is cleaned, and materials disposed of or recycled according to workplace procedures 5.4 Workflow and production schedule reports are completed

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Reading skills to:	- identify work instructions and job specifications - identify material lists - read equipment set-up and operating procedures - identify production schedules and workplace documents.
Writing skills to:	- legibly complete faulty equipment tags - complete workflow and production schedule documentation - mark damaged dies.
Oral communication skills	speak clearly and directly in order to inform appropriate

to:	personnel of production problems.
Numeracy skills to:	• interpret job instructions and specifications • measure components and equipment to determine compliance with specifications • count number of required blanks according to job specifications and work instructions.

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>Workplace procedures</i> must include:	• quality standards • recording and reporting • use of equipment and operating instructions • work health and safety (WHS) requirements.
<i>Cleaned</i> must include the use of:	• detergents • solvents • washes.

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 AUMATS001 Stamp and press vehicle parts

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Performance Evidence

Before competency can be determined, individuals must have competently demonstrated the techniques to cut blanks, fabricate formed vehicle parts, and maintain dies on a minimum of two occasions.

Individuals must demonstrate they can:

- comply with work health and safety (WHS) requirements and workplace procedures relating to stamping and pressing vehicle parts
- maintain a working knowledge of current work systems and practices
- follow job specifications in achieving production and work quality goals
- apply waste-reduction initiatives when using cutting equipment safely and efficiently to produce blanks
- produce formed parts
- identify and mark faulty parts
- maintain dies
- identify and report faulty dies
- change over dies
- clean, maintain and store dies, tools and equipment
- produce workflow and production schedule reports.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and WHS requirements relating to stamping and pressing vehicle parts
- workplace cost minimisation and waste-reduction practices
- workplace reporting procedures relating to stamping and pressing vehicle parts
- problem identification and resolution techniques
- types and uses of cutting equipment
- workplace production schedules relating to stamping and pressing vehicle parts

- quality standards relating to stamping and pressing vehicle parts
- procedures for identifying faulty parts
- maintenance procedures for dies, tools and equipment.

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 stamping and pressing of vehicle parts that they have worked on, 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
- dies, tools, equipment and machinery required to stamp and press parts
- workplace procedures to stamp and press vehicle parts
- work instructions relating to stamping and pressing vehicle parts
- component quality forms, production schedules and job specifications.

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