



**Australian Government**

# **MEM20016 Produce keys by cutting to code**

**Release: 1**

## MEM20016 Produce keys by cutting to code

### Modification History

Release 1. Supersedes but is not equivalent to MEM20001 Produce keys.

### Application

This unit of competency defines the skills and knowledge required to produce keys to code/data for mechanical locking devices and systems. It applies to the production of keys across a range of locksmithing areas, including those related to automotive, domestic, commercial, security container and ancillary applications.

Where programming of high-security transponders is required units MEM20018 Identify and program transponder keys, MEM20019 Service automotive transponder systems using diagnostic equipment and unit MEM20020 Use EEPROM programmers to service automotive transponder systems should be selected as appropriate.

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

Band: A

Unit Weight: 2

### Pre-requisite Unit

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

### Competency Field

Locksmithing

### Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine job requirements	1.1 Follow standard operating procedures (SOPs) 1.2 Comply with work, health and safety (WHS) requirements at all times 1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Determine job requirements from specifications or existing samples 1.5 Select appropriate method for cutting according to key type and system 1.6 Confirm signatories for restricted product
2. Prepare materials and equipment	2.1 Translate key code into space and depth data 2.2 Select appropriate tools and equipment 2.3 Select correct key blank for the given application 2.4 Set up equipment and accessories in an appropriate manner for cutting
3. Produce keys to code	3.1 Use tools and equipment safely and in accordance with SOPs 3.2 Cut keys to code 3.3 Finish key in accordance with SOPs 3.4 Ensure key dimensions meet manufacturer specifications

## Foundation Skills

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

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different 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.	
Specifications are obtained from one or more of the following:	<ul style="list-style-type: none"> <li>• drawings</li> <li>• work instructions</li> <li>• existing samples</li> <li>• lock inspection.</li> </ul>
Method for cutting includes one or more of the	<ul style="list-style-type: none"> <li>• machine</li> <li>• computer and book code equipment.</li> </ul>

following:	
Requirements for key production include one or more of the following:	<ul style="list-style-type: none"> <li>• specific client requirements and quantities</li> <li>• completion times and dates</li> <li>• job requirements and tasks</li> <li>• work health and safety (WHS) requirements</li> <li>• organisational requirements</li> <li>• compliance with relevant manufacturer requirements</li> <li>• warranties and service information.</li> </ul>
Tools and equipment include one or more of the following:	<ul style="list-style-type: none"> <li>• manual and computerised code machines</li> <li>• milling machines</li> <li>• tubular machines</li> <li>• duplicating machines.</li> </ul>

## Unit Mapping Information

No equivalent unit.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>