



Australian Government

MEM20018 Identify and program transponder keys

Release: 1

MEM20018 Identify and program transponder keys

Modification History

Release 1. Supersedes but is not equivalent to MEM20013 Service automotive transponder systems.

Application

This unit of competency defines the skills and knowledge required to identify, analyse, encode and re-encode (program) automotive transponder keys.

It applies to locksmiths programming automotive transponder keys and associated high security transponder requirements.

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

Band: This unit has dual status and is to be regarded as both a Specialisation band A unit and Specialisation band B unit for progression to C5 (AQF level V).

Unit Weight: 2

Pre-requisite Unit

MEM13015 Work safely and effectively in manufacturing and engineering

MEM16006 Organise and communicate information

MEM20016 Produce keys by cutting to code

MEM20017 Produce keys by duplication

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) and comply with work, health and safety (WHS) requirements at all times 1.2 Obtain system and component specifications and other relevant information from appropriate sources and in accordance with organisational and customer requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Establish cloning requirements and other information relevant to task in accordance with customer needs, organisational and manufacturer specifications and legislation, codes, regulations and standards
2. Prepare to program transponder key	2.1 Select and use appropriate personal protective equipment (PPE) 2.2 Identify risks and hazards and make area safe 2.3 Select tools, equipment, materials and consumables, check for serviceability and use in accordance with manufacturer specifications and SOPs
3. Program transponder keys	3.1 Identify personal limitations in programming and seek assistance from appropriate sources 3.2 Establish programming requirements in accordance with SOPs and supplier requirements 3.3 Program keys to correct specification 3.4 Test system function to ensure correct operation
4. Finalise servicing process	4.1 Complete documentation, and process in accordance with legislative and organisational requirements 4.2 Clean work area, tools and equipment and store in accordance with SOPs

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.

Appropriate sources of	<ul style="list-style-type: none"> catalogues
------------------------	--

information include one or more of the following:	<ul style="list-style-type: none"> • manufacturer manuals • drawings • detailed sketches • technical sketches • associated data sheets • industry software and websites.
Risks and hazards include one or more of the following:	<ul style="list-style-type: none"> • non-compliance with manufacturer recommendations • materials handling • environmental • physical hazards.
Associated equipment includes one or more of the following:	<ul style="list-style-type: none"> • electronic immobilisers • transponder sniffing • snoop tools • desktop programmers • hand-held programmers.
Tools and equipment include one or more of the following:	<ul style="list-style-type: none"> • hand tools • identifying and encoding equipment.
Documentation includes one or more of the following:	<ul style="list-style-type: none"> • job sheets • invoices • warranties.

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>