



Australian Government

Assessment Requirements for MEM20013 Service automotive transponder systems

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM20013A Service automatic transponder systems

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- establishing and verifying ownership in accordance with organisational and industry procedures
- interpreting information specific for servicing automotive transponder systems
- questioning, confirming and clarifying customer requirements
- recognising personal limitations in assessing requirements for automotive transponder systems and seeking assistance from appropriate person(s) in accordance with SOPs
- identifying automotive locking components and associated equipment and checking functioning of locking systems
- tracing faults and using appropriate tools and equipment to service automotive transponder systems
- identifying actual and potential risks and hazards
- establishing program requirements, programming keys to correct specification, and testing system for conformance
- cleaning worksite in accordance with SOPs
- completing all documentation in accordance with SOPs.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- system and component specifications and principles of operation
- sources of specifications and other relevant information for automotive transponder systems
- types of transponders and technical terminology used
- common design problems and faults arising from vandalism, misuse and wear
- checks and tests to confirm service requirements
- organisational procedures for establishing service requirements

- procedures to establish and verify vehicle ownership and reasons for verifying ownership
- operating principles, release positions and isolation techniques for air bags
- operation and function of transponder and engine immobiliser systems
- factors impacting on feasibility of repair or replacement
- dismantling procedures for a range of automotive locks and reasons for care and precision
- procedures for replacing worn and damaged parts, removing foreign objects and lubricating, packing and sealing components
- organisational requirements for cleaning and storage
- key blanks to suit model and mechanical/electronic part of lock
- different types of transponder technologies
- programming and operating procedures for encoder/diagnostic machine
- documentation and recording procedures.

Assessment Conditions

- Assessors must:
 - have vocational competency in servicing automatic transponder systems at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

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