



Australian Government

Assessment Requirements for AURETR049 Install in-vehicle entertainment and convenience

Release: 1

Assessment Requirements for AURETR049 Install in-vehicle entertainment and convenience

Modification History

Release	Comments
Release 1	This version first released with the Automotive Retail, Service and Repair Training Package Version 7.0. Newly created unit.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- install two different in-vehicle entertainment and convenience systems into two different vehicles

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- work health and safety (WHS) requirements relating to installing in-vehicle entertainment and convenience systems, including those relating to:
 - using specialised tools and equipment
 - selecting and using personal protective equipment (PPE)
 - identifying hazards and controlling risks
- key specialised technologies, tools and equipment associated with in-vehicle entertainment and convenience systems, including:
 - amplifiers and speakers
 - crimpers
 - digital multimeters
 - soldering irons
 - wire strippers
- system functionality testing procedures and tools used for installing in-vehicle entertainment and convenience systems, including:
 - digital multimeter and scan tool
 - electrical equipment testing
 - system operations

- wiring diagrams
- vehicle continuous and non-continuous monitored systems
- workplace policies and procedures required to install in-vehicle convenience and entertainment systems, including:
 - serviceability of tools and equipment
 - techniques to operate, examine and store specialised technologies, tools and equipment
 - documentation processes including tagging of faulty equipment
 - safe disposal and recycling procedures for materials
- key features of in-vehicle convenience, entertainment and safety systems, including:
 - advanced driver-assistance systems (ADAS)
 - connectivity systems
 - electronic control units (ECUs)
 - fibre-optic communication systems
 - infotainment systems
 - intelligent transport systems
 - multi-plex systems
 - passenger comfort systems
 - safety restraint systems
 - telematics systems
 - vehicle tracking systems
- key theories and principles of system installation procedures including:
 - Controller Area Network (CAN)-bus
 - electrical
 - Local Interconnect Network (LIN) bus
 - OHM's law
 - vehicle body operations.

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the installation of in-vehicle entertainment and convenience 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:

- workplace instructions, policies and procedures
- manufacturer specifications and installation fitting instructions

- two different vehicles requiring the installation of in-vehicle convenience and entertainment systems
- tools, equipment and materials appropriate for installing in-vehicle convenience and entertainment systems
- PPE required to install in-vehicle convenience and entertainment systems.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>