



Australian Government

Assessment Requirements for AURVTN043 Install external vehicle equipment

Release: 1

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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 three different types of external vehicle equipment in at least one vehicle which includes the following:
 - bull bars
 - tow bars
 - snorkels
- install one of the following external vehicle equipment:
 - side bars
 - rear bars
 - side steps
 - under bodyguards

Knowledge Evidence

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

- key workplace policies and procedures, and regulatory, work health and safety (WHS) requirements relating to installing external vehicle equipment, including those relating to:
 - using specialised technology, tools and equipment
 - selecting and using personal protective equipment (PPE)
 - cleaning work area
 - collecting recycling material
 - disposing non-recyclable material
 - documenting vehicle safety inspection and installation process
 - identifying hazards and controlling risks

- key safety features in vehicles, including:
 - fibre-optic communication systems
 - safety restraint systems
 - telematics systems
- key vehicle testing procedures and tools, including:
 - electrical equipment
 - system operations
 - wiring diagrams
 - interpreting vehicle safety data sheet (SDS)
- quality standards and specifications for installing external vehicle components, including:
 - manufacturer specifications
 - road safety standards
 - requirements of Vehicle Standards and modifications
- key techniques for installing external vehicle equipment without damaging vehicle systems
- active motor vehicle safety features, and their impact on external vehicle equipment installation, including:
 - advanced driver assistance systems (ADAS)
 - anti-lock braking system (ABS)
 - electronic brake assist (EBA)
 - electronic brake force distribution (EBD)
 - electronic stability control (ESC)
 - safety assist technologies (SAT)
 - seat belt pre-tensioners
 - structural integrity
- key features, components and operating principles of Advanced Driver Assistance systems (ADAS) and their impact on external vehicle equipment installation, including:
 - sonar sensors
 - radar, lighting detection and ranging (LIDAR) cameras)
- types of ADAS and their impact on external vehicle equipment installation, including:
 - adaptive cruise control
 - collision avoidance
 - blindspot detection
- passive motor vehicle safety features, and their impact on external vehicle equipment installation, including:
 - mirrors
 - airbags (front, side and curtain)
 - frontal impact protection and head restraints
 - seats and seat belts

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 protective vehicle equipment, 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:

- work sheets, workplace instructions and manufacturing documentation to install external vehicle equipment
- workplace policies and procedures
- tools for assessing external safety features and installing external vehicle equipment
- PPE required to install external vehicle equipment

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>