



Australian Government

Assessment Requirements for AURMTA102 Assemble and prepare competition vehicles for motor sport events

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

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:

- assemble and prepare at least two different competition vehicles in which the work must involve each of the following:
 - installing body, mechanical and electrical systems
 - installing fluid or pneumatic and fire systems.

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:

- methods to locate and interpret information required to assemble and prepare competition vehicles for motor sport events, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation, including:
 - allowable design
 - quality
 - materials, equipment, and quantities
 - event category information, including:
 - supplementary regulations
- workplace procedures required to assemble and prepare competition vehicles for motor sport events including:
 - establishing serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment

- identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) requirements relating to assembling and preparing competition vehicles, including procedures for:
 - selecting and using personal protective equipment (PPE) when assembling competition vehicles
 - using chemical cleaning and lubricating agents
 - methods of panel creation and their processes
- environmental requirements, including procedures for trapping, storing and disposing of chemicals and fluids released during assembly process
- details of competition vehicle design, quality, and material, equipment and quantities in team instructions, supplementary regulations and manufacturer specifications
- typical stages of competition vehicle assembly
- procedures for setting up work area and component layout
- component cleaning and inspection procedures
- procedures for assembling and installing sub-assemblies and ancillary systems, including:
 - sub-assembly and ancillary system installation sequence and techniques
 - optimum layout for conduits and ancillary components
 - types of securing devices and securing methods
 - types of shielding devices and shielding methods
 - procedures for checking fitting of sub-assemblies and ancillary systems
- post-assembly checking procedures, including:
 - checking and topping up fluid levels
 - engine pre-start checks, including:
 - abnormal noise
 - leaks
 - pressures
 - temperatures
 - measuring pressures, temperatures, noise and checking for leaks of components
 - checking correct operation of sub-assemblies and ancillary systems
- procedures for establishing vehicle baseline configuration
- procedures for installing springs and dampers and measuring and adjusting ride height and corner weight
- procedures for measuring and adjusting steering angles.

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 competition vehicles that they have assembled and prepared for a motor sport event, e.g. work order.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- motor sport repair workplace or simulated workplace
- two different motor sport competition vehicles
- sub-assemblies and ancillary components to be installed in competition vehicles
- controlling body rules, category rules and supplementary regulations for the motor sport event
- personal and motor sport team safety procedures and requirements, including PPE
- tools, equipment and material for assembling and preparing a competition vehicle.

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>