



Australian Government

**Assessment Requirements for AURETR116
Read and apply vehicle wiring schematics
and drawings**

Release: 1

Assessment Requirements for AURETR116 Read and apply vehicle wiring schematics and drawings

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:

- read, interpret and apply information from three different vehicle, vessel or machinery wiring schematics and diagrams when testing and fault finding their electrical wiring 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 vehicle wiring schematics and drawings, including:
 - procedures for identifying currency and version control of wiring schematics and drawings
- workplace procedures required to apply vehicle wiring schematics and drawings, including:
 - storage and maintenance of vehicle wiring schematics and drawings
 - reporting damage to vehicle wiring schematics and drawings
- types of information in wiring schematics and drawings, including:
 - circuit symbols
 - wiring codes
 - vehicle zone tables
 - legends
 - diagrammatic representations
- key components of wiring schematics and drawings, including:
 - vehicle wiring schematics
 - electrical component symbols
 - electrical operational block schematics

- controller area network databus (CAN-bus) circuit diagrams
- vehicle zoning information tables
- electrical component drawings
- connector drawings that include connector end view drawings.

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 vehicle or machinery wiring schematics and drawings they have interpreted, e.g. repair 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:

- automotive repair workplace or simulated workplace
- workplace instructions
- wiring schematics and drawings relating to three different vehicles, vessels or machinery.

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>