



Australian Government

AURETR116 Read and apply vehicle wiring schematics and drawings

Release: 1

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

Application

This unit describes the skills and knowledge required to read and apply technical information in the wiring schematics and drawings of vehicles, vessels and machinery when testing and fault-finding electrical wiring systems. It involves preparing for the task, reading and interpreting the schematics and drawings, and completing work processes.

The unit applies to those who work in the automotive service and repair industry. The wiring schematics and diagrams include those in electrical systems in agricultural machinery, heavy commercial vehicles, light vehicles, vessels, mobile plant machinery, motorcycles or outdoor power equipment.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Electrical Technical – Electrical and Electronics

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to read and apply vehicle wiring schematics and drawings	1.1 Identify job requirements from workplace instructions 1.2 Identify wiring schematics and drawings for vehicle, vessel or machinery electrical system being tested 1.3 Check schematics and drawings for currency and inclusion of latest amendments
2. Apply information	2.1 Identify and interpret electrical circuit information in schematics and drawings 2.2 Use information to assist when carrying out testing and

ELEMENT	PERFORMANCE CRITERIA
	repair procedures on electrical wiring systems
3. Complete work processes	3.1 Store schematics and drawings according to workplace procedures 3.2 Report damage to schematics and drawings according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	<ul style="list-style-type: none"> Locates required sources of information efficiently
Oral communication	<ul style="list-style-type: none"> Clarifies information
Numeracy	<ul style="list-style-type: none"> Interprets numbers and units relating to electrical circuits and wiring systems in automotive workshop hard copy and online documentation Determines correct measurement relationships for voltage, current and resistance in electrical circuits from wiring schematics and drawings Interprets correct wiring gauge and dimensions from wiring schematics and drawings

Unit Mapping Information

Supersedes and is equivalent to AURETR016 Read and apply vehicle wiring schematics and drawings.

Links

Companion Volume Implementation Guide is found on VETNet -

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