



Australian Government

AUR40226 Certificate IV in Automotive Mechanical Diagnosis

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Modification History

Release	Comments
2	Minor update to qualification to include additional elective units
1	This qualification was first released in AUR Automotive Retail, Service and Repair Training Package Release 8.0.

Qualification Description

This qualification reflects the role of individuals who perform advanced diagnostic tasks in the automotive retail, service and repair industry.

Licensing/Regulatory Information

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

Entry Requirements

Those undertaking the Certificate IV in Automotive Mechanical Diagnosis must have completed an automotive mechanical Certificate III qualification, or be able to demonstrate equivalent competency.

Packaging Rules

Total number of units = 10

1 core unit, plus

9 elective units, of which:

- up to **9** units may be chosen from the Elective Units listed below
- up to **2** units may be chosen from a Certificate III qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

Core Units

Unit code	Unit title
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AURTTA121	Diagnose complex system faults
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Elective Units

Unit code	Unit title
AURETH103	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles*
AURETH104	Diagnose and repair traction motor speed control systems in battery electric vehicles
AURETH105	Diagnose and repair high voltage traction motors in battery electric vehicles
AURETH106	Diagnose and repair auxiliary motors and associated components in battery electric vehicles*
AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles*
AURETH108	Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle*
AURETH109	Diagnose and repair DC to DC converters in battery electric vehicles*
AURETH110	Diagnose and repair high voltage rechargeable energy storage systems in hybrid electric vehicles*
AURETR052	Apply knowledge of Advanced Driver Assistance Systems (ADAS)
AURETR053	Apply awareness of Advanced Rider Assistance Systems (ARAS)
AURETR054	Diagnose and repair Advanced Driver Assistance Systems (ADAS) and components in vehicles*
AURETR137	Diagnose complex faults in light vehicle safety systems
AURETR249	Scan and calibrate Advanced Driver Assistance Systems (ADAS)
AURETU106	Diagnose complex faults in air conditioning and HVAC systems
AURHTB106	Diagnose complex faults in heavy commercial vehicle braking systems
AURHTD106	Diagnose complex faults in heavy commercial vehicle steering and suspension systems
AURHTE103	Diagnose complex faults in heavy vehicle diesel engines

AURHTX106	Diagnose complex faults in heavy commercial vehicle transmission and driveline systems
AURJTD105	Diagnose complex faults in motorcycle steering and suspension systems
AURJTE102	Diagnose complex faults in motorcycle engine and transmission systems
AURKTA109	Diagnose complex faults in mobile plant hydraulic systems
AURKTB103	Diagnose complex faults in mobile plant braking systems
AURKTD105	Diagnose complex faults in mobile plant steering and suspension systems
AURLTB104	Diagnose complex faults in light vehicle braking systems
AURLTD109	Diagnose complex faults in light vehicle steering and suspension systems
AURLTE104	Diagnose complex faults in light vehicle petrol engines
AURLTE105	Diagnose complex faults in light vehicle diesel engines
AURLTX104	Diagnose complex faults in light vehicle automatic transmission and driveline systems
AURMTA007	Conduct non-destructive testing
AURMTE101	Test engines using a dynamometer
AURMTQ101	Analyse and repair faults in performance driveline systems
AURMTF001	Analyse and repair performance carburetted fuel systems
AURMTF002	Analyse and repair performance fuel injection systems
AURTTA125	Diagnose complex faults in vehicle integrated stability control systems
AURTTA126	Diagnose complex faults in electronic over hydraulic systems
AURTTL111	Diagnose complex faults in CNG fuel systems
AURTTL112	Diagnose complex faults in LNG fuel systems
AURTTL113	Diagnose complex faults in LPG fuel systems
AURTTR101	Diagnose complex faults in engine management systems

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
AURETH103 Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH106 Diagnose and repair auxiliary motors and associated components in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH107 Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH108 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle	AURETH101 Depower and reinitialise battery electric vehicles
AURETH109 Diagnose and repair DC to DC converters in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles AURETR125 Test, charge and replace batteries and jump-start vehicles
AURETH110 Diagnose and repair high voltage rechargeable energy storage systems in hybrid electric vehicles	AURETR125 Test, charge and replace batteries and jump-start vehicles
AURETR054 Diagnose and repair Advanced Driver Assistance Systems (ADAS) and components in vehicles	AURETR249 Scan and calibrate Advanced Driver Assistance Systems (ADAS)

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
AUR40226 Certificate IV in Automotive Mechanical Diagnosis	AUR40216 Certificate IV in Automotive Mechanical Diagnosis	Superseded core and elective units updated	Equivalent

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/AUR>.