



Australian Government

AUR40820 Certificate IV in Automotive Mechanical Overhauling

AUR40820 Certificate IV in Automotive Mechanical Overhauling

Modification History

Release	Comments
3	Superseded elective unit updated
2	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.1. The following elective units of competency have been deleted as directed by the AISC: • AURHTB004 Overhaul air braking system components • AURTTX010 Overhaul hydrostatic transmissions. The above training products were identified as having zero enrolments over a three year period.
1	This qualification was first released in AUR Automotive Retail, Service and Repair Training Package Release 6.0.

Qualification Description

This qualification reflects the role of individuals who perform advanced troubleshooting and repair 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 Certificate IV in Automotive Mechanical Overhauling 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:

- all 9 units may be from the elective units listed below
- up to 2 units may be from a Certificate III qualification or above in this Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.

Core Unit

- AURTTA121 Diagnose complex system faults

Elective Units

- AURETR017 Overhaul charging system alternators
- AURETR018 Overhaul starting system motors
- AURETU107 Overhaul air conditioning and HVAC system compressors
- AURHTB003 Overhaul hydraulic and air over hydraulic braking system components
- AURHTD104 Carry out heavy vehicle wheel alignment operations
- AURLTB001 Overhaul light vehicle braking system components
- AURLTD106 Carry out light vehicle wheel alignment operations
- AURMTA007 Conduct non-destructive testing
- AURMTE101 Test engines using a dynamometer
- AURPTE104 Overhaul outdoor power equipment engines
- AURRTE011 Overhaul two and four-stroke cycle marine outboard engines
- AURTTD005 Overhaul steering system components
- AURTTE005 Overhaul engines
- AURTTF003 Overhaul diesel fuel injection system components
- AURTTF007 Overhaul carburettor fuel system components
- AURTTM001 Operate and monitor computer numerical control machines
- AURTTM002 Repair bearing tunnels and connecting rods in engines
- AURTTM003 Apply metal to rebuild engine components
- AURTTM004 Assemble engine blocks and sub-assemblies
- AURTTM005 Balance rotating and reciprocating engine components
- AURTTM006 Perform advanced machining and blueprinting of engine components
- AURTTM007 Carry out crankshaft grinding
- AURTTM008 Dismantle and evaluate engine blocks and sub-assemblies

- AURTTM009 Fit sleeves and bore and hone engine cylinders
- AURTTM010 Heat treat, straighten and reclaim engine components
- AURTTM011 Recondition engine cylinder heads
- AURTTQ004 Overhaul final drive assemblies
- AURTTW003 Carry out machining operations
- AURTTX007 Overhaul clutch assemblies
- AURTTX008 Overhaul manual transmissions
- AURTTX009 Overhaul automatic transmissions

Pre-requisite Requirements

There are no prerequisite requirements for this qualification.

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
AUR40820 Certificate IV in Automotive Mechanical Overhauling	AUR40816 Certificate IV in Automotive Mechanical Overhauling		Equivalent

Links

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