



Australian Government

AUR40820 Certificate IV in Automotive Mechanical Overhauling

Release 2

AUR40820 Certificate IV in Automotive Mechanical Overhauling

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0
Release 2	<p>This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.1.</p> <p>The following elective units of competency have been deleted as directed by the AISC:</p> <ul style="list-style-type: none"> • AURHTB004 Overhaul air braking system components • AURTTX010 Overhaul hydrostatic transmissions. <p>The above training products were identified as having zero enrolments over a three year period.</p>

Qualification Description

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

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 Units

AURTTA121 Diagnose complex system faults

Elective Units

AURETR017 Overhaul charging system alternators

AURETR018 Overhaul starting system motors

AURETU007 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

AURTTTE005 Overhaul engines

AURTTTF003 Overhaul diesel fuel injection system components

AURTTTF007 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

Qualification Mapping Information

Supersedes and is equivalent to AUR40816 Certificate IV in Automotive Mechanical Overhauling.

Links

Companion Volume Implementation Guide is found in VETNet -

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