



Australian Government

AUR31316 Certificate III in Automotive Engine Reconditioning

Release 2

AUR31316 Certificate III in Automotive Engine Reconditioning

Modification History

Release	Comment
Release 2	Updates to elective bank.
Release 1	New qualification.

Qualification Description

This qualification reflects the role of individuals who recondition engines in the automotive service and repair sector. It is suitable for entry into the automotive specialist service and repair sector.

Entry Requirements

This qualification may be accessed by direct entry.

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

Packaging Rules

Total number of units = 28

13 core units, plus

15 elective units, of which:

- up to **15** units may be chosen from the Elective Units listed below
- up to **5** units may be chosen from a Certificate II 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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Unit code	Unit title
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace
AURASA002	Follow safe working practices in an automotive workplace
AURMTA007	Conduct non-destructive testing
AURTTE001	Apply knowledge of engine science
AURTTK001	Use and maintain measuring equipment in an automotive workplace
AURTTK002	Use and maintain tools and equipment in an automotive workplace
AURTTM002	Repair bearing tunnels and connecting rods in engines
AURTTM004	Assemble engine blocks and sub-assemblies
AURTTM007	Carry out crankshaft grinding
AURTTM008	Dismantle and evaluate engine blocks and sub-assemblies
AURTTM009	Fit sleeves and bore and hone engine cylinders
AURTTM011	Recondition engine cylinder heads
AURTTW003	Carry out machining operations

Elective Units

Unit code	Unit title
AURHTE002	Diagnose and repair heavy vehicle compression ignition engines
AURLTE001	Remove and install light vehicle engine assemblies
AURLTE002	Diagnose and repair light vehicle engines
AURTTA005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA009	Carry out mechanical pre-repair operations
AURTTA018	Carry out diagnostic procedures
AURTTF005	Diagnose and repair engine forced-induction systems
AURTTM001	Operate and monitor computer numerical control machines

Unit code	Unit title
AURTTM003	Apply metal to rebuild engine components
AURTTM005	Balance rotating and reciprocating engine components
AURTTM006	Perform advanced machining and blueprinting of engine components
AURTTM010	Heat treat, straighten and reclaim engine components
AURTTM012	Carry out camshaft grinding
AURTTW002	Set, operate and monitor specialist reconditioning machines
AURVTW001	Carry out manual metal arc welding on components
AURVTW003	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW004	Carry out tungsten inert gas welding
AURVTW009	Carry out basic gas metal arc welding
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting

Qualification Mapping Information

Equivalent to AUR31312 Certificate III in Automotive Engine Reconditioning

Links

Companion Volume Implementation Guides are found in VETNet -

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