



Australian Government

Department of Education, Employment and Workplace Relations

AUR20811 Certificate II in Outdoor Power Equipment

Release: 2

AUR20811 Certificate II in Outdoor Power Equipment

Modification History

Three new AUR units of competency:

AURTTTE3001
AURTTM3001
AURTTM3002

Nine AUR units of competency updated:

AURTTM3003 replaces AURT301357A
AURTTM3004 replaces AURT301383A
AURTTM3005 replaces AURT334606A
AURTTM3006 replaces AURT334608A
AURTTM3007 replaces AURT334808A
AURTTM3008 replaces AURT301383A
AURTTM3009 replaces AURT334708A
AURTTM3010 replaces AURT301359A
AURTTM3011 replaces AURT301483A

Four imported units of competency updated:

MEM07005C replaces MEM07005B
TLID1001A replaces TLID107C
TLID2004A replaces TLID407C
TLID2013A replaces TLID1307C

Description

This qualification covers the skills and knowledge required to perform a range of service and repair tasks on outdoor power equipment. It is suitable for entry into the outdoor power equipment retail, service and repair sector.

Job roles/employment outcomes

The AUR20811 Certificate II in Outdoor Power Equipment is intended to prepare new employees or develop existing workers to perform service and repair tasks in the outdoor power equipment industry. Employment outcomes targeted by this qualification include:

- service technicians.

Application

This qualification is suitable for an Australian Apprenticeship pathway.

Pathways Information

Pathways into the qualification

This qualification may be accessed by direct entry. Credit will be granted towards this qualification to those who have completed AUR10105 Certificate I in Automotive in this Training Package or other relevant qualifications.

Pathways from the qualification

Further training pathways from this qualification include AUR30711 Certificate III in Outdoor Power Equipment, AUR31005 Certificate III in Automotive Sales, or other relevant qualifications.

Licensing/Regulatory Information

Licensing considerations

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements, depending on the work context. Local regulations should be checked for details.

Entry Requirements

Not Applicable

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the Employability Skills as identified by the Outdoor Power equipment sector for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification
Communication	<ul style="list-style-type: none"> • understanding and carrying out verbal instructions from supervisors and others • reading, understanding and completing workplace documentation, forms and records • sharing work-related information with other team members using industry terminology • communicating with people from a range of social, cultural and ethnic backgrounds
Teamwork	<ul style="list-style-type: none"> • contributing positively to the work team environment • working effectively with others in a socially diverse environment • respecting and understanding the views of others • giving, receiving and acting upon feedback • identifying and describing own role and role of others
Problem solving	<ul style="list-style-type: none"> • recognising a problem or a potential problem within a sales and customer service environment • seeking information and assistance to solve problems outside own area of responsibility • solving problems within own area of responsibility
Initiative and enterprise	<ul style="list-style-type: none"> • suggesting ideas for workplace improvement to supervisors and team members • positively adapting to changes in workplace procedures and making adjustments to improve own performance • taking positive action to report hazards or risk situations to supervisors
Planning and organising	<ul style="list-style-type: none"> • planning daily work tasks to work safely and manage risks according to workplace procedures • prioritising activities to achieve required outcomes • planning and organising appropriate equipment and materials • planning ahead to anticipate problems with availability of equipment, materials and personnel to assist
Self-management	<ul style="list-style-type: none"> • following workplace safety requirements and other policies and procedures • completing known delegated tasks on time • selecting and using appropriate equipment, materials, processes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	<p>and procedures</p> <ul style="list-style-type: none">• asking for advice and assistance when appropriate
Learning	<ul style="list-style-type: none">• identifying personal strengths and weaknesses• acting upon feedback and accepting opportunities to learn to improve work performance• asking questions to gain information and identify sources of information to expand knowledge and understanding
Technology	<ul style="list-style-type: none">• appropriately setting up technological equipment• using tools and equipment efficiently and safely• recognising and reporting faulty equipment• using information and communication technology• applying knowledge of outdoor power equipment components and operating principles

Packaging Rules

Packaging Rules

To be awarded the Certificate II in Outdoor Power Equipment competency must be achieved in **sixteen (16)** units of competency.

- **three (3)** core units of competency
- **thirteen (13)** elective units of competency, as specified below:
 - a minimum of **two (2)** specialist elective units from Group A
 - a maximum of **eleven (11)** elective units from Group B, drawn in any combination from:
 - units not already chosen from Group A
 - Group B units listed
 - up to **three (3)** relevant units available in this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificates II and III
 - a maximum of **two (2)** elective units of competency may selected from units aligned to Certificate III qualifications.

Note: Where prerequisite units are identified they must be counted in the total number of units required for completion of the qualification.

The following pairs of units must not be chosen together when achieving this qualification:

MEM05003B	Perform soft soldering
AURV223808A	Carry out soft soldering techniques

MEM05004C	Perform routine oxy acetylene welding
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

MEM05007C	Perform manual heating and thermal cutting
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

MEM05017D	Weld using gas metal arc welding process
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MEM05017D	Weld using gas metal arc welding process
AURV281308A	Carry out gas metal arc (MIG) welding procedures

Core units of competency

- Complete the following **three (3)** units of competency.

Unit code	Unit title
AURC270103A	Apply safe working practices
AURC272003A	Apply environmental regulations and best practice in a workplace or business
MSAENV272B	Participate in environmentally sustainable work practices

Elective units of competency

Group A: Specialist electives

- Complete a minimum of **two (2)** units of competency from the following list.

Unit code	Unit title
AURE222976B	Test and service outdoor electric powered equipment
AURP201570B	Service engines and engine components (outdoor power equipment)
AURP245171B	Service and repair rotary cutting systems
AURP245271B	Service and repair drum cutting systems
AURP245371B	Service and repair chainsaw cutting systems
AURP245465B	Service line trimming systems and components
AURP245571B	Service and repair post-boring systems
AURP245671B	Service and repair post-hole digging systems
AURP245771B	Service and repair reciprocating cutting systems
AURP247670B	Service pumping systems

Unit code	Unit title
AURP301566B	Repair engines and engine components (outdoor power equipment)
AURP322776B	Test and service 240V portable generators
AURP347666B	Repair pumping systems

Group B: Other elective units

- Complete a maximum of **eleven (11)** units of competency, drawn in any combination from:
 - units not already chosen from Group A
 - Group B units listed below
 - up to **three (3)** relevant units available in this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificates II and III.

Brakes

Unit code	Unit title
AURE311666A	Repair electric braking systems
AURT210170A	Inspect and service braking systems
AURT210736A	Machine brake drums and brake disc rotors
AURT310104A	Assemble and fit braking systems/components
AURT310166A	Repair hydraulic braking systems
AURT310171A	Inspect, service and repair auxiliary braking systems

Common

Unit code	Unit title
AURC270688A	Work effectively with others
AURC270789A	Communicate effectively in the workplace
AURC270889A	Communicate business information
AURC359554A	Provide technical guidance

Unit code	Unit title
AURC361101A	Adapt work processes to new technologies
AURC361230A	Inspect technical quality of work
AURC361337A	Maintain quality systems
AURC365722A	Estimate complex jobs
BSBCMN311B	Maintain workplace safety
BSBINN301A	Promote innovation in a team environment
HLTFA301B	Apply first aid
TLID1001A	Shift materials safely using manual handling methods
TLID2013A	Move materials mechanically using automated equipment
TLID2004A	Load and unload goods/cargo

Electrical and electronics

Unit code	Unit title
AURE218664A	Remove and replace electrical/electronic units/assemblies
AURE218670A	Service, maintain or replace batteries
AURE218676A	Test, service and charge batteries
AURE218708A	Carry out repairs to single electrical circuits
AURE219331A	Install, test and repair low voltage wiring/lighting systems
AURE219431A	Install, test and repair electrical security systems/components
AURE219531A	Install ancillary electrical components
AURE220140A	Manufacture and repair wiring harness/looms
AURE224008A	Carry out soldering of electrical wiring/circuits
AURE318866A	Repair electrical systems
AURE318966A	Repair instruments and warning systems

Unit code	Unit title
AURE319145A	Overhaul charging system alternators
AURE319166B	Repair charging systems
AURE319245A	Overhaul starting motors
AURE319266B	Repair starting systems
AURE320666B	Repair ignition systems
AURE321066A	Repair electronic systems
AURE321171A	Service and repair electronic spark ignition engine management systems

Engines, systems and transmissions

Unit code	Unit title	Prerequisites
AURT200368A	Select and use bearings, seals, gaskets, sealants and adhesives	
AURT201164A	Remove and install engine assemblies	
AURT201170A	Inspect and service engines	
AURT202166B	Repair cooling systems	
AURT202170B	Inspect and service cooling systems	
AURT202608A	Carry out radiator repairs	
AURT203170B	Service petrol fuel systems	
AURT203670B	Service diesel fuel injection systems	
AURT204670A	Inspect and service emission control systems	
AURT205166A	Repair exhaust system components	
AURT206670A	Inspect and service transmissions (manual)	
AURT207170A	Inspect and service transmissions (automatic)	

Unit code	Unit title	Prerequisites
AURT208170A	Service transmissions (hydrostatic)	
AURT212670A	Service final drive assemblies	
AURT213165A	Remove and refit driveline components	
AURT213170A	Service final drive (driveline)	
AURT303166B	Repair petrol fuel systems	
AURT303666A	Repair diesel fuel systems	
AURT304666A	Repair and replace emission control systems	
AURT305671A	Inspect and repair engine forced induction systems	
AURT306170A	Inspect, service and/or repair clutch assemblies and associated operating system components	
AURT308166A	Repair transmissions (hydrostatic)	
AURT334972A	Set, operate and monitor specialist machines	
AURT335108A	Carry out machining operations	
AURTL301166A	Repair engines and associated engine components (light vehicle)	
AURTL306666A	Repair transmissions - manual (light vehicle)	
AURTL307166A	Repair transmissions - automatic (light vehicle)	
AURTL312666A	Repair final drive assemblies (light vehicle)	
AURTL313166A	Repair final drive - driveline (light vehicle)	
AURTTTE3001	Apply knowledge of engine science	
AURTTM3001	Operate and monitor computer	

Unit code	Unit title	Prerequisites
	numerical control machines	
AURTTM3002	Repair bearing tunnels and connecting rods in engines	
AURTTM3003	Apply metal to rebuild engine components	
AURTTM3004	Assemble engine blocks and sub-assemblies	
AURTTM3005	Balance rotating and reciprocating engine components	
AURTTM3006	Perform advanced machining and blueprinting of engine components	
AURTTM3007	Carry out grinding operations	
AURTTM3008	Dismantle and evaluate engine blocks and sub-assemblies	
AURTTM3009	Fit sleeves and bore and hone engine cylinders	
AURTTM3010	Heat treat, straighten and reclaim engine components	
AURTTM3011	Recondition engine cylinder heads	
MEM07005C	Perform general machining	MEM09002B MEM12023A MEM18001C

General mechanical

Unit code	Unit title
AURC252103A	Apply basic automotive troubleshooting processes
AURT200108A	Carry out servicing operations
AURT209170A	Service hydraulic systems
AURT225156A	Read and interpret engineering drawings
AURT225667A	Use and maintain measuring equipment

Unit code	Unit title
AURT226008A	Carry out pre-repair operations (mechanical)
AURT270278A	Use and maintain workplace tools and equipment
AURT309166A	Repair hydraulic systems
AURT365130A	Inspect vehicle systems and determine preferred repair action
AURT366108A	Carry out diagnostic procedures
AURT366308A	Carry out advanced diagnostic procedures
MEM09002B	Interpret technical drawing
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations

Steering and suspension

Unit code	Unit title
AURT215130A	Inspect steering systems
AURT215170A	Inspect and service steering systems
AURT216130A	Inspect suspension systems
AURT216170A	Inspect and service suspension systems
AURT316271A	Inspect, service and repair tracked type drive and support systems
AURTL315166A	Repair steering systems (light vehicle)
AURTL316166A	Repair suspension systems (light vehicle)
AURTM315166A	Repair steering systems (motorcycle)

Tyres and wheels

Unit code	Unit title
AURT217606A	Balance wheels and tyres

Unit code	Unit title
AURT217665A	Remove, fit and inspect wheel assemblies
AURT217766A	Remove, inspect, repair and fit tyres and tubes (light)
AURT217865A	Remove and refit wheel hubs and associated brake components

Welding

Unit code	Unit title	Prerequisites
AURV223608A	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures	
AURV223808A	Carry out soft soldering techniques	
AURV281108A	Carry out manual metal arc welding procedures	
AURV281208A	Carry out brazing procedures	
AURV281308A	Carry out gas metal arc (MIG) welding procedures	
AURV281408A	Carry out gas tungsten arc (TIG) welding procedures	
AURV281508A	Carry out spot welding procedures	
AURV323908A	Carry out thermoplastic welding procedures	
MEM05003B	Perform soft soldering	
MEM05004C	Perform routine oxy acetylene welding	
MEM05007C	Perform manual heating and thermal cutting	
MEM05017D	Weld using gas metal arc welding process	MEM05050B MEM05051A MEM05052A MEM12023A MEM18001C MEM18002B MEM09002B

Unit code	Unit title	Prerequisites
MEM05050B	Perform routine gas metal arc welding	
MEM05051A	Select welding processes	
MEM05052A	Apply safe welding practices	