



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **MSA20510 Certificate II in Recreational Vehicle Service and Repair**

**Revision Number: 2**

## **MSA20510 Certificate II in Recreational Vehicle Service and Repair**

### **Modification History**

Group B elective units corrected due to a transfer error.

## Description

This qualification covers the skills and knowledge required to perform the wide range of service and repair tasks performed on recreational vehicles.

### *Job roles/employment outcomes*

The Certificate II in Recreational Vehicle Service and Repair has been developed as an entry level qualification for use in MSA07 Manufacturing Training Package. This qualification has been developed in response to an industry request. People with this qualification would be expected to work under supervision servicing and repairing recreational vehicles, including:

- motor homes
- caravans
- camper trailers
- slide-ons
- fifth wheelers

to meet Australian requirements, such as road worthiness and the Australian Design Rule (ADR).

They may work in a service and repair facility or a manufacturer's factory undertaking warranty work. Work may be for an insurance claim, modifying an existing recreational vehicle or undertaking routine servicing.

### *Application*

The sector typically services and repairs any recreational vehicle as required. This may apply to the recreational vehicle body, fittings and running gear. It may be in response to a road (or other) accident, hail damage, vehicle modification or routine servicing. They may also specify and access outside specialist services, for example, for spray painting or licence requirements.

Recreational vehicles may be made from a frame (timber, aluminium or steel) and skin (aluminium or fibre composite) or a manufactured wall panel or some other technology. They are typically mounted on a steel chassis. Fittings are typically timber/particle board but may be any other suitable material.

People with this qualification may be expected to:

- carry out insurance repair
- carry out other repairs
- work under warranty
- undertake modifications/refits to the recreational vehicle
- undertake routine servicing
- prepare a recreational vehicle for sale/resale.

This work will generally be undertaken in a workshop environment.

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

***Pathways into the qualification***

This qualification may be accessed by direct entry.

The units of competency contained within this qualification are common with other qualifications and credit should be granted towards this qualification where competency has already been achieved.

Credit should also be granted towards this qualification where competency has been achieved in units of competency contained within relevant skill sets.

The units of competency in this qualification reflect competencies which are practiced within the industry and recognition of prior learning (RPL) should be granted where there is sufficient evidence of competency from work-based experience.

***Pathways from the qualification***

Further qualification pathways from this qualification include MSA30510 Certificate III in Recreational Vehicle Service and Repair.

***Additional qualification advice***

MSA21108 Certificate II in Competitive Manufacturing and MSA30107 Certificate III in Process Manufacturing are available for team leaders or others who need a more generalist qualification covering the application of good manufacturing practice and lean principles.

***Licensing considerations***

Units of competency in this qualification provide the underpinning knowledge and skills for various required licenses. Local regulations should be checked for details.

**Pathways Information**

Not applicable.

**Licensing/Regulatory Information**

Not applicable.

**Entry Requirements**

Not applicable.

## Employability Skills Summary

### EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Employability Skill	Industry/enterprise requirements for this qualification
Communication	<ul style="list-style-type: none"> <li>• Accessing and interpreting standardised documentation</li> <li>• Completing all reporting as required</li> <li>• Asking questions to increase understanding about workplace procedures</li> <li>• Reading and interpreting instructions</li> <li>• Responding to information</li> <li>• Accessing and using communication tools and equipment</li> <li>• Applying numeracy skills to work procedures</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• Working effectively with others</li> <li>• Sharing information with peers</li> <li>• Understanding role of individual within team process</li> <li>• Seeking assistance with work operations as required</li> </ul>
Problem solving	<ul style="list-style-type: none"> <li>• Recognising common problems and reporting inconsistencies</li> <li>• Monitoring the job and making improvements</li> <li>• Responding to routine problems</li> <li>• Recommending improvements</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Taking correct action and following procedures</li> <li>• Recommending changes and improvements</li> <li>• Taking action to make improvements</li> <li>• Adopting changes in accordance with procedures</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• Planning own work</li> <li>• Organising processes, tools and materials</li> <li>• Monitoring own work outcomes</li> <li>• Organising and planning activities</li> <li>• Collecting and organising information for work activity</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Conducting all activities according to safety standards</li> <li>• Maintaining housekeeping standards</li> <li>• Achieving planned outcomes within time constraints</li> <li>• Monitoring own work performance</li> <li>• Assessing own work</li> <li>• Seeking assistance where appropriate</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• Asking questions to aid learning</li> <li>• Identifying own skill requirements</li> <li>• Asking questions to ensure understanding of own work requirements</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY****Technology**

- Using equipment and/or information technology
- Identifying equipment appropriate for job
- Using simple measuring devices
- Collecting and applying data and information from technology

**Packaging Rules****Packaging Rules**

To be awarded the Certificate II in Recreational Vehicle Service and Repair competency must be achieved in **fourteen (14)** units of competency:

- **three (3)** core units of competency
- **eleven (11)** elective units of competency, as specified below:
  - a minimum of **seven (7)** units of competency must be selected from Group A
  - the balance of units, to a maximum of **four (4)**, may be selected from:
    - units of competency not previously selected from Group A
    - Group B units of competency listed.

**Note:** Up to **four (4)** elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in Groups A and B.

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

**Core units of competency**

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMSUP102A	Communicate in the workplace	

**Elective units of competency****Group A**

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
AUM8081B	Apply trim to components	
AURE218670A	Service, maintain or replace batteries	
AURE218708A	Carry out repairs to single electrical circuits	
AURE220140A	Manufacture and repair wiring harness/looms	
AURE311666A	Repair electric braking systems	
AURT210170A	Inspect and service braking systems	
AURT216170A	Inspect and service suspension systems	
AURT217865A	Remove and refit wheel hubs and associated brake components	
AURT365508A	Carry out vehicle safety/roadworthy inspection	
AURV226965A	Remove and replace/fit protector mouldings, transfers and decals	
AURV230449A	Apply paint touchup techniques	
AURV324866A	Repair fibreglass/composite material components	
AURV328366A	Repair chassis/frame and associated	

Unit code	Unit title	Prerequisites
	components	
AURV331423CA	Fabricate and install canvas products	
AURV331423DA	Fabricate and install frame structures	
AURV331423GA	Fabricate and install canopies and curtains	
AURV334031A	Install side windows	
MEM05005B	Carry out mechanical cutting	MEM12023A MEM18001C
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
MEM10002B	Terminate and connect electrical wiring	MEM09002B MEM12002B MEM18001C
MEM12002B	Perform electrical/electronic measurement	
MEM12023A	Perform engineering measurements	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MEM18038B	Maintain wheels and tyres	MEM18001C
MEM18045B	Fault find/repair electrical equipment/components up to 250 volts single	MEM09002B MEM10002B MEM12002B



Unit code	Unit title	Prerequisites
	phase supply	MEM12023A MEM18001C MEM18002B
MSAPMOPS101A	Make measurements	
MSARVS202A	Repair/service LP gas systems in a recreational vehicle	
Up to <b>two (2)</b> relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

### Group B

Unit code	Unit title	Prerequisites
MEM09002B	Interpret technical drawing	
MEM11011B	Undertake manual handling	
MEM14004A	Plan to undertake a routine task	
MEM15024A	Apply quality procedures	
MSACMT221A	Apply Just in Time (JIT) procedures	
MSACMT240A	Apply 5S procedures in a manufacturing environment	
MSACMT280A	Undertake root cause analysis	
MSAPMOHS220A	Provide initial first aid response	

Unit code	Unit title	Prerequisites
MSAPMOPS212A	Use enterprise computers or data systems	
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP106A	Work in a team	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSARVS301A	Develop and update caravan industry knowledge	
MSARVG201A	Tow a recreational vehicle safely	
MSARVT201A	Apply technical knowledge of recreational vehicle manufacturing to work activities	
SIRXSLS002A	Advise on products and services	
TLID2010A	Operate a forklift	
UEGNSG604A	Fill gas cylinders	
Up to two (2) relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

