



Australian Government

MSMRV390 Service and repair recreational vehicle LPG systems

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSMRVS202 Repair/service LPG systems in a recreational vehicle. Changes to application, elements, performance criteria and assessment requirements. Range of conditions removed.

Application

This unit describes the skills and knowledge required to service/repair liquid petroleum gas (LPG) systems with an operating pressure not exceeding 2.75 kPa in a recreational vehicle.

‘Service/repair’ includes servicing (such as conducting a routine seasonal or scheduled service) or repairing (such as accident repair, maintenance, repair or replacement of worn parts, breakdown, the identification and repair of faults, the removal and replacement of items or the installation of new items) or both.

The unit applies to a person working in a recreational vehicle service and repair facility who undertakes routine tasks according to work instructions, plans/specifications and procedures and uses discretion and judgement in selecting equipment, services or contingency measures. They work with a high degree of self-direction and limited supervision. They apply known solutions to routine problems and report non-routine problems according to procedures. They are responsible for their output and have limited responsibility for the output of others.

Licensing or certification requirements for the service/repair of LPG systems vary across jurisdictions and must be followed. This unit of competency applies only if relevant state or territory licensing requirements permit the service/repair of LPG systems in a recreational vehicle. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to assess LPG systems	1.1 Identify the authorised scope of service/repair works from job instructions, service schedules and insurance requirements 1.2 Select and check all required tools and equipment are ready to use 1.3 Identify hazards and hazard controls and check the hazard controls are in place and operating 1.4 Check the recreational vehicle and work area are ready to assess the system
2. Assess LPG systems	2.1 Confirm the storage capacity and regulator size are adequate for the

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Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	load and comply with regulations and standards 2.2 Check and test the system's piping and ventilation for compliance with regulations and standards 2.3 Check the system's piping size is adequate for the dimensions and loads 2.4 Check the piping size of the main run and branches provides minimum inlet pressure to each appliance and complies with regulations and standards 2.5 Check appliances and cylinders are correctly positioned with the piping set out to comply with regulations and standards 2.6 Inspect the system and its immediate surrounds to identify damage or obstacles to new installation or reinstallation and determine any necessary repair work
3. Confirm the scope of work	3.1 Identify any additional repair work beyond the scope of the job instructions 3.2 Determine and communicate to a supervisor the extent of labour, materials and suppliers' services required for out-of-scope repairs 3.3 Provide further information and advice to support negotiation with external parties about out-of-scope repairs 3.4 Confirm the revised scope of work and amended job instructions
4. Service/repair LPG systems	4.1 Follow procedures for required work notices and communication with authorities 4.2 Organise the supply of items required by the scope of works, and check they meet quality requirements and are ready for installation 4.3 Complete service/repair tasks according to manufacturer's specifications, service manuals, regulations and standards 4.4 Position appliances so their air supply and ventilation comply with regulations and standards 4.5 Locate and check consumer instruction plates, labels and compliance plates to ensure they comply with regulations and standards
5. Test LPG systems	5.1 Adjust the regulator to ensure flow pressure complies with regulations and standards 5.2 Check and test the system and its ventilation for compliance with regulations and standards

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	5.3 Adjust the system to provide the correct flow pressure according to the manufacturer's instructions and standards 5.4 Record test data according to regulations and workplace procedures
6. Complete service/repair according to workplace procedures	6.1 Clean up the recreational vehicle and make it ready to hand back to the customer 6.2 Clean up the work area, identify items for recycling and dispose of waste 6.3 Identify, tag and report any damage to equipment and tools 6.4 Check, clean and do routine maintenance on equipment and tools and store them and unused materials 6.5 Complete task outcome documentation

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to MSMRVS202 Repair/service LPG systems in a recreational vehicle.

Links

Companion volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>