



Australian Government

MSMRV356 Remove and replace gas struts and roof lifting equipment on a recreational vehicle

Release: 1

MSMRV356 Remove and replace gas struts and roof lifting equipment on a recreational vehicle

Modification History

Release 1 - New unit.

Application

This unit of competency covers the skills and knowledge required to remove and replace the roof lifters and gas struts on a recreational vehicle. The same lifters and struts may be replaced, or the removed lifters and struts may be replaced with different lifters and struts. The work will be carried out in a recreational vehicle service and repair facility.

This unit of competency covers the preparation for, removal of, replacement of, and clean-up after the removal and replacement of lifters and struts.

The operator will be required to work to procedures, and follow plans/specifications, insurance requirements and customer needs.

This unit of competency applies to an individual working alone or as part of a team/work group and working in liaison with other shift team members.

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

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

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| 1 | Plan the work | 1.1 | Review the requirements of the work, including insurance requirements and customer needs |
| | | 1.2 | Examine roof lifters or gas struts and determine what needs to be done and how to do it |

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| | | 1.3 | Check required tools and jigs are available at the worksite |
| | | 1.4 | Check required materials and components are available at the worksite |
| | | 1.5 | Identify any hazards and the related hazard controls |
| | | 1.6 | Check that hazard controls are in place and operational |
| | | 1.7 | Query any items that are different to usual and clarify requirements |
| 2 | Remove roof lifting equipment in accordance with devised procedures | 2.1 | Use relevant hazard controls, including personal protective equipment (PPE) |
| | | 2.2 | Remove roof lifting equipment maximising the potential for reuse |
| | | 2.3 | Segregate and handle waste in accordance with procedures |
| | | 2.4 | Temporarily store roof lifting equipment which is to be reused |
| 3 | Remove roof gas struts in accordance with devised procedures | 3.1 | Use relevant hazard controls, including PPE |
| | | 3.2 | Remove roof gas struts maximising the potential for reuse |
| | | 3.3 | Segregate and handle waste in accordance with procedures |
| | | 3.4 | Temporarily store gas struts which are to be reused |
| 4 | Refurbish components as required | 4.1 | Use relevant hazard controls, including PPE |
| | | 4.2 | Examine all removed components and the adjacent parts of the caravan which have been revealed |
| | | 4.3 | Identify any additional damage revealed and decide how it can be made good |
| | | 4.4 | Negotiate with customer over any changes in job scope |

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| | | | and cost |
| | | 4.5 | Make good/replace as required |
| 5 | Replace roof lifting equipment in accordance with devised procedures | 5.1 | Use relevant hazard controls, including PPE |
| | | 5.2 | Replace roof lifters in accordance with the devised procedure |
| | | 5.3 | Adjust as required |
| | | 5.4 | Ensure roof and components are attached as required |
| | | 5.5 | Ensure roof seals as required |
| 6 | Replace roof gas struts in accordance with devised procedures | 6.1 | Use relevant hazard controls, including PPE |
| | | 6.2 | Replace gas struts in accordance with the devised procedure |
| | | 6.3 | Adjust as required |
| | | 6.4 | Ensure roof and components are attached as required |
| | | 6.5 | Ensure roof seals as required |
| 7 | Finish removal and replacement of roof lifters/gas struts | 7.1 | Check roof lifters/struts have been refitted correctly and make any required adjustments |
| | | 7.2 | Clean up recreational vehicle and make ready for hand back to customer |
| | | 7.3 | Clean up work area, leaving it ready for the next job |
| | | 7.4 | Segregate and handle waste in accordance with procedures |
| | | 7.5 | Complete any required documentation/records |

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:

- legislative requirements, including work health and safety (WHS)
- industry codes of practice and guidelines
- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or more of the following:

- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- temporary instructions
- any similar instructions provided for the smooth running of the plant

Hazards Hazards include one or more of the following:

- heat, dust or other atmospheric hazards
- electricity
- gas
- equipment failures
- industrial (machinery, equipment and product)
- noise, rotational equipment or vibration
- hazardous products and materials
- unauthorised personnel

- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- other hazards that might arise

Routine problems

Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of the following:

- equipment/plant/machine malfunction
- variations in process conditions
- variations in materials or contamination of materials
- equipment, tool, die or mould damage
- product faults
- tooling problems

Known solutions are drawn from one or more of the following:

- procedures
- training
- remembered experience

Non-routine problems must be reported according to relevant procedures.

Unit Mapping Information

No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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