



Australian Government

Assessment Requirements for MEM27012 Maintain mobile plant suspension systems

Release: 1

Assessment Requirements for MEM27012 Maintain mobile plant suspension systems

Modification History

Release 1. Supersedes and is equivalent to MEM18040B Maintain suspension systems

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting specifications, charts, lists, drawings and other applicable reference documents to maintain suspension systems
- inspecting the suspension components for wear, faults and security
- testing suspension arrangements, control arms/links and dampening devices for correct operation
- checking axle alignment/tracking for compliance with specifications and identifying variations of axle alignment from specification
- undertaking calculations and numerical operations associated with maintaining suspension systems
- testing automatic/manual levelling devices for correct operation
- aligning axles, adjusting the ride height and re-gassing the suspension system to specifications
- removing/replacing suspension components using appropriate tools, equipment and techniques
- recording/reporting all service and rectification work activities in accordance with SOPs.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- operation of suspension systems and the effects of steering geometry and alignment
- procedures for:
 - checking suspension system components for wear, faults, security and conformance to specification and tools, techniques and equipment
 - aligning axles and specifications that apply
 - adjusting ride height and specifications that apply
 - re-gassing suspension systems and precautions to be taken
 - removing and replacing suspension systems and precautions to be taken

- parameter determining suitability of repair or replacement of components and component parts
- action to be taken to correct non-conformance to specification
- tools, techniques and equipment required to maintain and repair suspension systems and reasons for selection.

Assessment Conditions

- Assessors must:
 - have vocational competency in maintaining suspension systems at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>