



Australian Government

**Assessment Requirements for AURLTD002
Service and repair light vehicle lift assisted
suspension systems**

Release: 1

Assessment Requirements for AURLTD002 Service and repair light vehicle lift assisted suspension systems

Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- service and repair two different lift assisted suspension systems, including one of the following:
 - pneumatic system
 - hydraulic system.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to servicing and repairing light vehicle lift assisted suspension systems, including procedures for:
 - using vehicle lifting and supporting equipment
 - working with lift assisted suspension systems, including:
 - hydraulic and pneumatic pressures
 - hydraulic fluids
 - stored energy in springs
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from suspension systems
- operating principles of lift assisted suspension systems, including:
 - hydraulic systems
 - pneumatic systems
- application, purpose and operation of lift assisted suspension system components, including:

- hydraulic system, including:
 - hydraulic pump and reservoir
 - switches
 - valves, hoses and connectors
 - gauges
 - hydraulic cylinder
- pneumatic system, including:
 - compressor
 - switches
 - valves, hoses and connectors
 - gauges
 - airbags
- inspection and servicing procedures for lift assisted suspension systems, including:
 - component wear analysis
 - checking fluid and air leaks
 - checking and adjusting ride and curb height
 - replacing suspension fluids
- repair procedures for lift assisted suspension systems, including removing, repairing and replacing lift assisted suspension components
- post-repair testing procedures for lift assisted suspension systems.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the light vehicle lift assisted suspension systems that they have serviced and repaired, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- mechanical repair workplace or simulated workplace
- workplace instructions
- manufacturer specifications for light vehicle lift assisted suspension system
- two different light vehicles with lift assisted suspension systems requiring service and repair
- tools, equipment and materials appropriate for inspecting, servicing, repairing and adjusting light vehicle lift assisted suspension systems.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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