



Australian Government

Assessment Requirements for AURHTD001 Inspect heavy commercial vehicle suspension systems

Release: 1

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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 standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- inspect the front and rear suspension systems of one heavy commercial vehicle, including:
 - springs
 - spring dampers
 - arms, mountings and bushings
 - vehicle curb height.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting heavy commercial vehicle suspension systems, including procedures for:
 - working with stored energy in springs, air springs and torsion bars
 - lifting and supporting vehicles
- identification and function of major suspension system components, including:
 - airbag, coil spring, leaf spring and torsion bar
 - spring dampers
 - pneumatic, mechanical and rubber suspension
 - lateral and longitudinal arms
 - self-levelling device, ride control, height control
- basic operation of suspension systems, including:
 - leaf spring

- equaliser beam
- rubber block
- torsion bar
- air spring
- inspection procedures for suspension systems, including front and rear suspension.

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 vehicle suspension systems that they have inspected, 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:

- automotive workplace or simulated workplace
- task instructions
- manufacturer suspension system specifications
- one heavy commercial vehicle with front and rear suspension systems
- tools, equipment and materials appropriate for inspecting heavy commercial vehicle 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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