



Australian Government

Assessment Requirements for AURLTD001 Select and install performance enhanced suspension system products

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:

- select and fit performance enhanced suspension systems on two different vehicles, in which the work must involve two of the following:
 - suspension coil springs with modified spring rates
 - modified shock absorbers and struts
 - modified sway bars
 - modified suspension bushes
 - modified torsion bars.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to selecting and installing performance enhanced suspension system products, including procedures for managing stored energy in springs and torsion bars
- operating principles of suspension systems, including:
 - rigid and independent suspensions
 - sprung and unsprung mass
 - ride and curb height
- application, purpose and operation of performance enhanced suspension system products, including:
 - shock absorbers
 - coil springs, torsion bars and leaf springs
 - adjustable coil-overs

- rubber and urethane bushings
- sway bars and sway bar links
- strut mounts
- tower bars
- procedures for removing suspension system components
- requirements of Australian Design Rules (ADRs) relating to suspension systems
- procedures for fitting and adjusting performance enhanced suspension system components
- procedures for operating equipment to test suspension systems, including shock absorber testers
- suspension system road testing principles and procedures.

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 performance enhanced suspension system products that they have selected and installed, 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
- workplace instructions
- manufacturer vehicle and suspension product specifications
- ADRs
- two vehicles requiring the installation of performance enhanced suspension system products
- tools, equipment and materials appropriate for selecting and installing performance enhanced suspension system products.

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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