



Australian Government

Assessment Requirements for AURMTD001 Test suspension dampers using a dynamometer

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

- test, adjust and retest two different sets of competition vehicle dampers using a damper dynamometer.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to testing suspension dampers using a dynamometer, including procedures for handling hot dampers
- suspension damper principles, construction and operation, including:
 - compression and rebound
 - gas charged
- suspension damper modification and adjustment procedures
- application, purpose and operation of damper dynamometers, including associated hardware and software
- damper dynamometer testing procedures, including:
 - dynamometer preparation procedures
 - damper connection procedures
 - test environment correction factors
 - dynamometer data interpretation and analysis
- dynamometer maintenance 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 suspension dampers that they have tested using a dynamometer, e.g. work order.

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

The following resources must be made available:

- motor sport workplace or simulated workplace
- workplace instructions
- manufacturer specifications
- two different sets of competition vehicle dampers
- damper dynamometer
- tools and equipment appropriate for testing suspension dampers using a dynamometer.

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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