



Australian Government

Assessment Requirements for AURTTD001

Inspect steering systems

Release: 1

Assessment Requirements for AURTTD001 Inspect steering 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:

- inspect the following components of two different vehicle steering systems:
 - hydraulic components
 - steering column and couplings
 - steering linkages.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting steering systems, including procedures for lifting and supporting vehicles
- identification and function of major steering components, including:
 - steering wheel, column and couplings
 - rack and pinion
 - steering box
 - power steering pump, pipes and hoses
 - steering linkages, including:
 - ball joints
 - tie rods and tie rod ends
 - idler arms
 - connecting rod, track rod or drag link
 - pitman arms

- steering arms
 - king pins
- basic operation of steering systems, including:
 - manual steering systems
 - power assisted steering systems
 - electronically controlled systems
- inspection and reporting procedures for steering systems and components, including:
 - component wear analysis
 - fluid leaks.

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 steering systems that they have inspected, e.g. work 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 repair workplace or simulated workplace
- workplace instructions
- manufacturer steering system specifications
- two different vehicles with steering systems requiring inspection prior to wheel alignment
- tools, equipment and materials appropriate for inspecting steering 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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