



Australian Government

Assessment Requirements for AURTTD005 Overhaul steering system components

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:

- overhaul the following steering system components:
 - two different power steering pumps
 - one of the following components:
 - power rack and pinion steering box
 - steering column
 - recirculating ball steering box.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to overhauling steering system components, including procedures for using:
 - specialised steering system component overhaul tools, equipment and machinery
 - chemicals and toxic substances
- environmental requirements, including procedures for trapping, storing and disposing of fluids released from steering systems
- types, characteristics and operating principles of steering systems and associated components
- steering system component overhaul procedures, including:
 - methods for cleaning and preparing steering system components for overhaul
 - steering system component dismantling procedures
 - steering system component inspection, measuring and evaluation procedures, including methods for measuring and calculating tolerances and clearances

- steering system component repair and adjustment procedures, including:
 - power steering pumps
 - power rack and pinion steering boxes
 - steering columns
 - recirculating ball steering boxes
- steering system component assembly procedures, including procedures for measuring and calculating tolerances, and adjusting components
- post-overhaul testing procedures for steering system components.

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 system components that they have worked on, 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 steering system component specifications
- steering system components specified in the performance evidence and requiring overhaul
- tools, equipment and materials appropriate for overhauling and adjusting steering system components.

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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