



Australian Government

**Assessment Requirements for AURTTA014
Assemble and install pneumatic system
components**

Release: 1

Assessment Requirements for AURTTA014 Assemble and install pneumatic system components

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:

- assemble and install two different pneumatic system components, in which the work must involve adjusting and testing the installed pneumatic system.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to relating to assembling and installing pneumatic systems, including procedures for dealing with stored pressure hazards
- environmental requirements, including procedures for trapping, storing and disposing of oils and fluids released from the system
- types and applications of pneumatic systems
- types, application and operation of pneumatic system components, including:
 - compressors
 - linear actuators
 - rotary actuators
 - drive motors
 - lines, hoses and couplings
 - control valves
- pneumatic system assembly and installation procedures
- key features of pneumatic system schematic diagrams and symbols
- key features of engineering drawings relating to pneumatic systems
- post-installation testing 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 pneumatic system components that they have assembled 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 repair workplace or simulated workplace
- workplace instructions
- manufacturer pneumatic system specifications
- two different vehicles or machinery requiring the installation of pneumatic systems
- test equipment for pneumatic systems
- tools, equipment and materials appropriate for assembling and installing pneumatic 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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