



Australian Government

AUMGTM006 Assemble, install and test hydraulic system kits

Release: 2

AUMGTM006 Assemble, install and test hydraulic system kits

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTM3006 Assemble and install hydraulic system kit
Release 2	Updated for clarity and policy adherence

Application

This unit describes the performance outcomes required to assemble, install and test a hydraulic system kit and its associated components.

It applies to those in an automotive manufacturing environment and involves the application of skills and knowledge at a specialist level.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Technical – Manufacture

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare hydraulic system kit	1.1 Determine job requirements from work order and workplace instructions 1.2 Identify assembly and installation information from manufacturer specifications 1.3 Select tools and equipment to meet job requirements, checking for quality and correct operation

Elements	Performance Criteria
2. Assemble hydraulic system	2.1 Assemble hydraulic system kit according to manufacturer specifications and workplace procedures 2.2 Install hydraulic system kit using installation procedures that comply with manufacturer specifications and tolerances, and without causing damage to components or systems
3. Test hydraulic system	3.1 Access and interpret testing procedures and requirements from manufacturer specifications 3.2 Test hydraulic system according to manufacturer specifications and adjust if required 3.3 Record final inspection and test results according to workplace procedures
4. Complete work processes	4.1 Clean tools and equipment, inspect for defects, and store according to workplace procedures 4.2 Identify, tag and report faulty equipment according to workplace procedures 4.3 Collect waste material and recycle or dispose of according to workplace procedures 4.4 Complete installation work sheets according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Reading skills to:	- interpret manufacturer specifications and tolerances - interpret work order, job specifications and installation information.
Writing skills to:	- legibly record hydraulic system test results - complete checklists and faulty equipment tags.
Oral communication skills to:	- clarify workplace instructions and determine job requirements - communicate test results and required adjustments.
Numeracy skills to:	- interpret manufacturer specifications and tolerances - interpret test measurements and results.
Planning and organising skills to:	- identify and prepare hydraulic system kit and its components - follow manufacturer assembly specifications and instructions - prepare assembly equipment and work area.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AUMGTM006 Assemble, install and test hydraulic system kits (Release 2)	AUMGTM006 Assemble, install and test hydraulic system kits (Release 1)	Minor updates to Assessment Requirements. Performance Criteria changed from passive to active voice.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

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Performance Evidence

Before competency can be determined, individuals must have competently assembled, installed and tested a hydraulic system kit on a minimum of one occasion.

Individuals must demonstrate they can:

- assemble and install hydraulic system kit according to workplace procedures and work health and safety (WHS) and environmental requirements
- adjust and test hydraulic system kit according to workplace procedures and WHS and environmental requirements
- complete installation work sheets.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- basic operating principles of hydraulic systems
- WHS and environmental procedures relating to assembling, installing, testing and adjusting hydraulic system kits
- types and applications of hydraulic system kits, including:
 - hydraulic system schematic symbols
 - types of hydraulic fluids and their application
- procedures for assembling, fitting and adjusting hydraulic system kits
- hydraulic system test procedures.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the hydraulic system kits that they have assembled and installed, e.g. installation work sheets.

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
- hydraulic system kits, manufacturer specifications and fitting instructions
- vehicle or simulated frame that requires fitting of a hydraulic system kit
- tools and equipment required to install and test hydraulic system kits
- work sheets for assembling, installing and testing hydraulic system kits.

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