



Australian Government

AUMGTY002 Install vehicle components

Release: 1

AUMGTY002 Install vehicle components

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTY3002 Mount and install assembled component to chassis or frame

Application

This unit describes the performance outcomes required to mount and install assembled components to a chassis or frame (e.g. vehicle cabin, sleeper or vehicle bodies).

It applies to those in an automotive and related component 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.

Competency Field

Manufacturing - Bus, Truck and Trailer

Unit Sector

Technical - Chassis and Frame

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section
1. Plan and prepare	1.1 Hand <i>tools and equipment</i> are selected and inspected, and faults repaired or reported 1.2 Appropriate lifting equipment is selected and checked for safe operation 1.3 Fasteners are identified from job specifications 1.4 Job <i>information</i> and working drawings are identified, interpreted and confirmed

Elements	Performance Criteria
2. Position and tension components	2.1 Workplace procedures are identified and followed 2.2 Components are matched, positioned and secured according to work instruction and component specifications 2.3 Fasteners are tensioned to specification 2.4 Components are inspected for alignment and quality according to work order and workplace quality standards
3. Hook up systems	3.1 Component service lines are hooked up according to drawings and component specifications 3.2 Completed hook-up is checked against job specifications, and then tested and inspected for quality and operation
4. Complete work processes	4.1 Work area and equipment are cleaned, inspected and maintained according to workplace procedures 4.2 Faulty equipment is identified, tagged and reported 4.3 Work sheets and production schedule are completed and given to appropriate personnel

Foundation Skills

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

Skills	Description
Reading skills to:	- identify workplace procedures and work health and safety (WHS) requirements - interpret job instructions, working drawings, original equipment manufacturer (OEM) guides and, if applicable, requirements of Vehicle Standards Bulletin 6 (VSB6) National Code of Practice – Heavy Vehicle Modifications - interpret component specifications - identify installation sequences - identify work sheets and inspection forms.
Writing skills to:	- complete production schedules, equipment maintenance forms and faulty equipment tags - prepare sequence work plans.
Numeracy skills to:	- identify drawing and component specifications - use measuring equipment - identify fastener quantities and tension specifications.
Planning and organising	select and prepare components, equipment and work area.

skills to:	
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Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Tools and equipment</i> must include:	• hand and power tools • lifting equipment • vehicle protection equipment.
<i>Information</i> must include:	• component and service line specifications • component assembly instructions • customer requirements • manufacturer specifications and guides • VSB6 • work orders and job specifications • workplace procedures and instructions.
<i>Workplace procedures</i> must include:	• equipment operations • quality standards • recording and reporting • WHS requirements • work instructions.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AUMGTY002 Install vehicle components

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Performance Evidence

Before competency can be determined, individuals must have competently installed vehicle components on a minimum of two occasions.

Individuals must demonstrate they can:

- mount and install assembled components and service lines to a chassis or frame according to workplace procedures and work health and safety (WHS) requirements
- follow job specifications and work instructions when installing vehicle components
- identify materials lists, working drawings and production requirements
- select components for installation
- select and use tools and equipment for installing vehicle components
- complete workplace documentation relating to installing vehicle components
- apply manual-handling techniques relating to installing vehicle components.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and WHS requirements relating to installing vehicle components, including safe use of vehicle component installation equipment
- quality standards relating to installing vehicle components
- manufacturing procedures and vehicle component specifications
- material-handling techniques for installing vehicle components
- work sheets and production schedule documentation relating to installing vehicle components
- vehicle components
- procedures for operating lifting equipment required to install vehicle components.

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 vehicles on which they have worked, 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 manufacturing workplace or simulated workplace
- working drawings and component specifications for installation
- original equipment manufacturer (OEM) installation guides
- service line fasteners and assembled components
- tools and equipment required to install vehicle components
- personal protective clothing and equipment relating to work requirements
- Vehicle Standards Bulletin 6 (VSB6) National Code of Practice – Heavy Vehicle Modifications
- workplace procedures for installing vehicle components
- lifting equipment required to install vehicle components.

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