



Australian Government

AUMGTM001 Assemble vehicle components

Release: 1

AUMGTM001 Assemble vehicle components

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTM2001 Assemble components

Application

This unit describes the performance outcomes required to prepare and assemble vehicle components according to work order instructions and job specifications.

It applies to those in an automotive environment and involves the application of skills and knowledge at a production worker 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 - 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. Where bold italicised text is used, further information is detailed in the range of conditions section
1. Plan and prepare	1.1 Work orders are reviewed to identify parts and materials to be assembled 1.2 Parts and materials are dispatched to assembly area 1.3 Details of parts and materials are recorded for stock control 1.4 Tools and equipment are selected and inspected and faults reported
2. Load parts onto assembly	2.1 <i>Workplace procedures</i> are identified and followed

Elements	Performance Criteria
jigs	2.2 Parts are loaded onto assembly jig according to workplace instructions 2.3 Parts are aligned and clamped according to workplace instructions
3. Select and use adhesives, sealants, solvents and fasteners	3.1 Adhesives and sealants are selected as per work order requirements 3.2 Solvents are selected and used to remove excess adhesives and sealants 3.3 Fasteners are identified, selected and fitted to component according to work order instructions
4. Produce finished product	4.1 Parts are positioned and secured according to job specifications 4.2 Fasteners are tensioned to job specifications 4.3 Assemblies are inspected for quality and checked against job specifications
5. Complete work processes	5.1 Work area, tools and equipment are cleaned, checked and stored according to workplace procedures 5.2 Faulty equipment is identified, tagged and reported 5.3 Waste material is collected, recycled or disposed of according to workplace procedures 5.4 Work sheets are completed 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 job specifications, work instructions and workplace procedures - identify equipment operating instructions - interpret parts and material lists.
Writing skills to:	- complete faulty equipment tags - complete work sheets relating to assembly.
Oral communication skills to:	refer tool, equipment and machinery faults to appropriate personnel.

Skills	Description
Numeracy skills to:	• record parts and materials use for stock control • use imperial and metric systems for bolt tensioning to required specifications.
Planning and organising skills to:	• identify and prepare components, equipment and work area • follow assembly specifications • operate assembly tools and equipment.

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>Workplace procedures</i> must include:	• recording and reporting • use and maintenance of equipment • work health and safety (WHS) requirements to assemble components • work instructions required to assemble components.
<i>Fasteners</i> must include:	• clips, pins and clamps • nuts and bolts • screws.

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 AUMGTM001 Assemble vehicle components

Modification History

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Performance Evidence

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

Individuals must demonstrate they can:

- interpret material lists, drawings, specifications and production schedules
- select appropriate parts, materials, tools and equipment
- assemble components to specifications and according to workplace procedures and work health and safety requirements
- follow workplace instructions and safe work practices
- complete work sheets relating to assembling vehicle components.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures relating to component assembly
- parts and materials relating to the assembly of vehicle components, including:
 - adhesives
 - sealants
 - solvents
- fasteners, including clips, pins and clamps, nuts and bolts, and screws
- types, application and operation of common vehicle component assembly equipment
- manual-handling techniques for vehicle components
- techniques for identifying faults in vehicle components
- communication protocols to report equipment faults.

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 vehicle components that they have assembled, e.g. assembly 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 manufacturing workplace or simulated workplace
- workplace procedures relating to component assembly
- tools and equipment required for the assembly of components
- parts, fasteners, adhesives and assembly components
- vehicle or simulated frame requiring assembly of components
- assembly work sheets and job specifications.

Links

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