



Australian Government

AUMGTM002 Assemble vehicle frames and axles

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTM3002 Assemble frame and axle

Application

This unit describes the performance outcomes required to assemble vehicle frames, axles, suspension and associated components.

It applies to those in an automotive manufacturing 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 assembly	1.1 Materials, parts, drawings and work orders are interpreted to establish work requirements 1.2 Lifting equipment is identified, selected and operated according to <i>workplace procedures</i> 1.3 Tools and equipment are selected and inspected, and faults are reported
2. Cut, drill and weld chassis frame	2.1 Chassis is cut as specified in work order and working drawings 2.2 Holes are drilled that comply in size and position with drawing specifications 2.3 Chassis rails are welded according to workplace procedures, drawing specifications and, if applicable, standards
3. Fit axles, suspension, brackets, fixtures and service lines	3.1 Fasteners are selected and used according to drawing specifications 3.2 Axles, suspension, brackets and fixtures are assembled to chassis 3.3 Bolts and fasteners are fitted and tensioned to specifications 3.4 Service lines are routed, fastened, tied and clipped to specifications
4. Complete work processes	4.1 Work area, tools and equipment are cleaned, inspected and stored according to workplace procedures 4.2 Faulty equipment is identified, tagged and reported 4.3 Waste material is collected, recycled or disposed of according to workplace procedures 4.4 Workflow and production schedule are recorded and workplace documents completed

Foundation Skills

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

Skills	Description
Reading skills to:	<ul style="list-style-type: none"> interpret job specifications, work orders, work instructions and workplace procedures analyse tool and equipment operating instructions identify components and materials list identify appropriate welding standards.
Writing skills to:	<ul style="list-style-type: none"> complete faulty equipment tags complete production schedules.
Oral communication skills to:	<ul style="list-style-type: none"> report faulty equipment to appropriate personnel.
Numeracy skills to:	<ul style="list-style-type: none"> record parts and materials used for stock control use imperial and metric systems for bolt tensioning to required specifications.
Planning and organising skills to:	<ul style="list-style-type: none"> identify and prepare frame and axle components, equipment and work area follow assembly specifications.

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:	<ul style="list-style-type: none"> vehicle frame and axle assembly equipment operation recording and reporting procedures for assembling vehicle frames and axles WHS requirements for assembling vehicle frames and axles.
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Unit Mapping Information

No equivalent unit.

Links

Implementation Guide -

<http://www.asacompanionvolumes.com.au/aum-implementation-guide>