



Australian Government

AUMGTY001 Paint vehicle chassis and panels

Release: 1

AUMGTY001 Paint vehicle chassis and panels

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTY3001 Paint chassis or panels

Application

This unit describes the performance outcomes required to prepare and apply paint to produce a quality finish on vehicle chassis and panels.

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 - 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. Prepare for painting	1.1 <i>Paints and materials</i> are identified and prepared according to <i>workplace procedures</i> 1.2 Panels are masked off to ensure surrounding areas are protected from overspray 1.3 Spraying <i>equipment</i> is selected and inspected, and faulty equipment identified, tagged and reported to appropriate personnel 1.4 Paint colours are matched according to job specifications and

Elements	Performance Criteria
	vehicle paint code
2. Operate spraying equipment	2.1 Spray painting guns are checked and adjusted for spray pattern, fan width and paint flow 2.2 Spray painting booths are inspected for correct operation and adjusted if required
3. Apply paint	3.1 Primers and paint are applied to ensure interior and exterior surfaces are coated 3.2 Paint is applied according to manufacturer's recommended thickness, lustre and surface finish 3.3 Paint coatings are monitored for surface blemishes 3.4 Paint viscosity is monitored and adjusted to ensure compliance with paint manufacturer specifications
4. Inspect painted surfaces	4.1 Painted surfaces are visually inspected and faults identified 4.2 Painted surfaces with paint faults are redirected for rework and appropriate personnel are notified
5. Complete work processes	5.1 Spraying equipment is cleaned and inspected according to workplace procedures 5.2 Work areas are cleaned, and unused materials stored 5.3 Waste materials are removed and disposed of according to workplace environmental procedures 5.4 Workplace job sheets or production schedules are completed

Foundation Skills

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

Skills	Description
Reading skills to:	- interpret workplace procedures, work health and safety (WHS) requirements and job instructions - identify vehicle inspection reports - interpret paint codes.
Writing skills to:	- complete work plans and workplace documentation - complete faulty equipment tags.
Numeracy skills to:	- measure paint quantities - record paint quantities and materials.
Digital literacy skills to:	- use digital paint measuring equipment - use painting booths

	• use paint computer systems.
Initiative skills to:	• adapt to changing work conditions.
Planning and organising skills to:	• prepare a work and repair plan • conduct paintwork rectification in the given time • prepare paint equipment, materials and work areas.
Problem-solving skills to:	• solve problems particularly in teams in order to meet job requirements.

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>Paints and materials</i> must include:	• abrasive papers • clear coats: 2k and 1k • etch primers • hi-fillers • masking tapes and materials • paint: 2k and 1k • paint reducers • polishing products • solvents • surface primers.
<i>Workplace procedures</i> must include:	• procedures for recording and reporting the painting of the vehicle chassis and panels • WHS requirements for painting vehicle chassis and panels.
<i>Equipment</i> must include:	• air and hand sanding equipment • high pressure spray guns • high volume low pressure spray guns • paint and air recirculating systems • safety equipment and personal protective equipment (PPE) relevant to painting vehicle chassis and panels.

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 AUMGTY001 Paint vehicle chassis and panels

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Performance Evidence

Before competency can be determined, individuals must have competently painted vehicle chassis and panels on a minimum of two occasions.

Individuals must demonstrate they can:

- identify painting requirements from work sheets and work instructions
- mask panels, prepare spraying equipment, and match paint colours
- mix paint and apply to panels according to workplace procedures, job requirements and work health and safety (WHS) requirements
- check paint work is to job requirements and identify and rectify faults
- clean work area, and maintain and store painting equipment according to workplace procedures and WHS requirements
- complete painting work sheets.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS requirements relating to painting vehicle chassis and panels
- techniques for vehicle painting
- types of tools and equipment used when painting vehicle chassis and panels
- techniques for identifying paint defects
- paint repair techniques and equipment
- processes for calculating, mixing and applying paint material
- methods of sourcing and interpreting components of safety data sheets (SDS) relating to painting vehicle chassis and panels
- procedures for paint material handling, storage and workplace waste management.

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 chassis and panels that they have painted, e.g. production 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
- vehicle chassis and panels that require painting
- work orders and work instructions
- paint measuring equipment
- primers, paints and clear coats
- paint specifications and paint codes
- personal protective clothing and equipment required to paint vehicle chassis and panels
- spray painting tools and equipment
- approved spray painting and preparation booths.

Links

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