



Australian Government

AUMGTP001 Finish and paint vehicle body and part surfaces

Release: 1

AUMGTP001 Finish and paint vehicle body and part surfaces

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTP3001 Finish surfaces for painting

Application

This unit describes the performance outcomes required to finish and paint vehicle body and part surfaces.

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 - Paint

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 for work processes	1.1 Work orders, instructions, reports and quality requirements are obtained and confirmed 1.2 Spray booths, and hand and air tools are selected and checked for correct operation and faults are rectified or reported 1.3 Paint materials are identified and selected from job specifications
2. Prepare surface for	2.1 <i>Workplace procedures</i> are identified and followed

Elements	Performance Criteria
painting	2.2 Surfaces are cleaned, degreased and prepared according to workplace procedures 2.3 Final finishing is performed on components and panel surfaces to workplace standards 2.4 Reject components and surfaces are identified, recorded and reported for rework or scrap according to workplace procedures
3. Prime painted surfaces	3.1 Paint materials are mixed and applied according to workplace procedures 3.2 Painted surfaces are finished to workplace quality standard 3.3 Reject paintwork is identified, recorded and reworked according to workplace procedures
4. Complete work processes	4.1 Work area is cleaned, and materials disposed of or recycled according to workplace procedures 4.2 Tools and equipment are cleaned, checked and stored according to workplace procedures 4.3 Faulty equipment is tagged and reported to supervisor 4.4 Workplace documentation is 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 workplace procedures - follow work instructions.
Writing skills to:	- complete rectification repair documentation - record paint quantities and materials - complete faulty equipment tags.
Numeracy skills to:	- measure paint quantities - set spray booth baking temperatures - identify quantities of paint materials.
Digital literacy skills to:	- use digital paint workshop equipment - use paint computer systems.
Initiative skills to:	adapt to changing work conditions.

Skills	Description
Planning and organising skills to:	• prepare tools, equipment, materials and work area.
Problem-solving skills to:	• identify paint defects.

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:	• original equipment manufacturer (OEM) vehicle specifications • workplace quality guidelines for finishing vehicle body and part surfaces • procedures for recording and reporting finishing processes of vehicle body and part surfaces • workplace waste disposal, recycling and re-use guidelines • work health and safety (WHS) requirements for finishing vehicle body and part surfaces.
<i>Final finishing</i> must include:	• hand and mechanical sanding • paint edge feathering.

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 AUMGTP001 Finish and paint vehicle body and part surfaces

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTP3001 Finish surfaces for painting

Performance Evidence

Before competency can be determined, individuals must have competently finished and painted body and part surfaces on a minimum of two occasions.

Individuals must demonstrate they can:

- perform work according to work health and safety (WHS) and environmental procedures
- clean, degrease and prepare vehicle body and part surfaces for painting
- identify paint specifications and application methods
- use spray painting tools and equipment safely and effectively
- mix and apply paint according to job specifications
- identify and rectify paint defects according to workplace quality standards or specifications
- complete vehicle body and part surface finishing and painting work sheets.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS and environmental procedures relating to finishing and painting vehicle and body part surfaces
- procedures for finishing vehicle body and part surfaces for painting
- procedures for painting vehicle body and part surfaces, including:
 - types, application and operation of vehicle body painting equipment
 - processes for calculating and mixing paint materials
 - techniques for applying paint material
 - paint viscosity
 - paint defects and paint defect rectification techniques
 - methods of finishing painted body and part surfaces
- methods of sourcing and interpreting components of safety data sheets (SDS) relating to finishing and painting vehicle body and part surfaces.

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 body and part surfaces that they have finished and painted, e.g. 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
- workplace instructions relating to finishing and painting vehicle body and part surfaces
- original equipment manufacturer (OEM) specifications of vehicle body and part surfaces
- vehicle body and part surfaces requiring finishing and painting
- finishing tools and equipment for vehicle body and part surfaces
- paint measuring equipment
- primers, paint and clear coats
- paint specifications
- personal protective equipment (PPE) for finishing and painting vehicle body and part surfaces
- spray painting guns, tools and equipment
- approved spray painting and preparation booths.

Links

Companion Volume implementation guides are found in VETNet -

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

Companion Volume implementation guides are found in VETNet -

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