



Australian Government

AUMGTP002 Rework vehicle paint faults

Release: 1

AUMGTP002 Rework vehicle paint faults

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTP3002 Rework paint faults

Application

This unit describes the performance outcomes required to identify and rework vehicle paint surface defects and faults.

It applies to those in an automotive 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 - 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. Prepare for paint rework process	1.1 Paint faults are identified and repair methods planned 1.2 Causes of faults are identified to ensure faults are rectified during rework 1.3 Tools, equipment and <i>materials</i> are selected and inspected for quality
2. Prepare surfaces for rework	2.1 Masking is applied to surrounding panels to protect painted surfaces from overspray

Elements	Performance Criteria
	2.2 Faulty paint surfaces are scuffed back and cleaned to required pre-paint standard 2.3 Prepared area is inspected to ensure paint fault has been removed
3. Apply primer, hi-fill and colour	3.1 Primer and hi-fill are applied and prepared according to manufacturer specifications 3.2 Paint colour is matched according to vehicle paint code 3.3 Paint colour is mixed to manufacturer-recommended viscosity 3.4 Paint colour is applied and blended into the existing paint work using tools, equipment and materials according to workplace procedures and work health and safety (WHS) requirements
4. Finish paint surfaces	4.1 Painted surfaces are dried according to paint manufacturer specifications 4.2 Repainted surfaces are polished to job specification 4.3 Surrounding areas are cleaned and any overspray removed according to workplace procedures
5. Complete work processes	5.1 Tools and equipment are cleaned and inspected 5.2 Faulty tools and equipment are identified, tagged, reported and sent for repair 5.3 Work area is cleaned, and materials disposed of or recycled according to workplace procedures 5.4 Work job sheets are completed and supervisor is notified

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 and WHS requirements - interpret job instructions, repair methods and manufacturer specifications.
Writing skills to:	- complete faulty equipment tags - legibly complete work sheets.
Numeracy skills to:	- accurately measure paint quantities - identify paint codes - legibly record paint quantities.

Skills	Description
Digital literacy skills to:	• use digital paint equipment • use computer paint mixing and drying systems.
Planning and organising skills to:	• prepare paint equipment and materials • rectify paintwork in given timeline.
Problem-solving skills to:	• identify paint defects • interpret and apply work instructions.

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.

Materials must include:	• abrasive papers • clear coat • colour paint • etch and surface primer • hi-fill • masking tapes and papers • paint reducer • plastic sheets • polishing agents • solvents • tac rags.
Workplace procedures must include:	• workplace quality guidelines for reworking vehicle paint faults • procedures for recording and reporting rework of vehicle paint faults • workplace waste disposal, recycling and re-use guidelines • WHS and environmental requirements for reworking vehicle paint faults relating to the disposal of unused paint products, contaminated rags and masking materials.

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 AUMGTP002 Rework vehicle paint faults

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Performance Evidence

Before competency can be determined, individuals must have competently reworked the paintwork of vehicles on a minimum of two occasions.

Individuals must demonstrate they can:

- identify and apply paint rework practices
- use spray painting tools and equipment
- prepare, mix and apply primers, fillers and paint according to workplace procedures, work health and safety (WHS) requirements and job specifications
- identify paint surface defects and techniques to repair them
- use solvents to remove rust, grease and protective waxes
- select and use appropriate sealants, adhesives, paints, tools and equipment
- use mechanical and manual sanding techniques
- complete work sheets detailing vehicle paint fault rework.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and WHS requirements relating to identifying paint surface defects and techniques to repair them
- WHS requirements relating to spray painting equipment
- procedures for reworking vehicle paint faults, including:
 - types, application and operation of vehicle body painting equipment
 - processes for calculating, mixing and applying paint materials
 - techniques for applying paint material, including spray painting
 - 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 reworking vehicle paint 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 paint faults that they have reworked, e.g. paint rework 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
- vehicles or components with paint faults that require rework
- paint measuring equipment
- spray painting tools, equipment and consumables
- primers, paint and clear coats
- vehicle paint specifications
- vehicle protective equipment and materials
- personal protective equipment (PPE) for finishing and painting vehicle body and part surfaces
- approved spray painting, preparation and drying booths.

Links

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