



Australian Government

AURVTP117 Rectify and touch up vehicle paint faults using clear over base two-pack systems

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to rectify and touch up paint faults on vehicle body components. This unit involves preparing for the task, selecting and using specialist tools and equipment, identifying and rectifying faults using clear over base (COB) two-pack paint materials according to manufacturer specifications, and completing workplace processes and documentation.

The unit applies to those working in the automotive refinishing industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Vehicle Body Technical - Paint

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Identify job requirements from workplace instructions 1.2 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures 1.3 Identify tools, equipment and chemicals required for repair activity and establish serviceability according to workplace procedures
2. Identify paint fault, its cause and rectification requirements	2.1 Identify cause of paint fault from paint manufacturer information and confirm with appropriate personnel 2.2 Inspect visually inspect faulty paintwork according to

ELEMENTS	PERFORMANCE CRITERIA
	workplace procedures 2.3 Assess damage to paintwork through visual comparison with undamaged paintwork 2.4 Identify fault rectification requirements according to manufacturer and workplace procedures
3. Rectify and touch-up paint faults	3.1 Identify materials required to restore paintwork to pre-damage condition from paint manufacturer recommended procedures 3.2 Measure, mix and apply materials using approved equipment 3.3 Rectify and blend damaged paintwork with existing paintwork using COB two-pack system and blending and drying techniques according to workplace procedures 3.4 Complete rectification processes according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Complete documentation according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently.
Reading	- Interprets workplace instructions such as job cards - Organises and interprets technical information from workplace procedures, manufacturer specifications, industry standards and paint technical data sheets (TDS) and safety data sheets (SDS).
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Numeracy	- Identifies paint specification codes - Uses basic mathematical operations, including addition,

SKILL	DESCRIPTION
	subtraction, multiplication and division to: • calculate and measure quantities of paint and materials • determine ratios for mixing paint • calculate and set paint drying times • Sets spray painting air pressure and spray booth temperatures • Sets paint measuring system.
Planning and organising	• Plans own work requirements • Prioritises actions to achieve required outcomes • Ensures tasks are completed within workplace timeframes.
Technology	• Uses specialist tools and equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTP017 Rectify and touch up vehicle paint faults using clear over base two-pack systems.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURVTP117 Rectify and touch up vehicle paint faults using clear over base two-pack systems

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- rectify and touch up faults on at least three different vehicles using clear over base (COB) two-pack paint materials, including:
 - using partial blend and fade-out blend on at least one vehicle
 - blending and clearing panels on at least one vehicle.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to rectify and touch up vehicle paint faults using clear over base two-pack systems, including:
 - paint manufacturer specifications and paint codes
 - paint technical data sheets
 - paint safety data sheets (SDS)
- workplace procedures required to rectify and touch up vehicle paint faults using clear over base two-pack systems including:
 - establishing the serviceability of tools and equipment
 - documentation procedures
 - housekeeping procedures including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- workplace health and safety (WHS) requirements relating to rectifying and touching up vehicle paint faults using clear over base two-pack systems, including procedures for:

- selecting and using personal protective equipment (PPE)
- using technical data sheets (TDS) and safety data sheets (SDS) for COB two-pack paint
- handling and storing paint materials
- using tools and equipment
- environmental requirements relating to rectifying and touching up vehicle paint faults using clear over base two-pack systems, including procedures for trapping, storing and disposing of waste materials
- types and use of refinishing materials, including:
 - solvent base coats and clear coats
 - water-based materials
 - paint thinners and hardeners
 - polishing materials
- types and use of painting equipment, including:
 - types of spray guns and maintenance requirements
 - spray gun set-up, use and maintenance
 - correct use of positive air feed masks
 - using approved drying area
 - tinting systems
 - cleaning equipment
- paint rectification and touch-up techniques and procedures, including:
 - identifying paint surface faults
 - surface preparation methods
 - paint mixing procedures
 - COB two-pack paint application methods
 - paint drying methods
- procedures for protecting vehicle and components when rectifying and touching up paint
- procedures for final inspection of paint rectification and touch-up work using COB two-pack systems.

Assessment Conditions

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of task.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to vehicle paintwork they have rectified using COB two-pack systems, e.g. repair orders.

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 repair workplace or simulated workplace
- workplace instructions
- TDS and SDS for COB two-pack paint
- vehicle paint codes and specifications
- PPE required to rectify COB two-pack paint
- materials required to rectify and touch up COB two-pack paint
- three different vehicles requiring COB two-pack paint rectification and touch-up
- tools, equipment and materials appropriate for rectifying and touching up paint faults using COB two-pack systems.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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