



Australian Government

AURVTP017 Rectify and touch up vehicle paint faults using clear over base two-pack systems

Release: 1

AURVTP017 Rectify and touch up vehicle paint faults using clear over base two-pack systems

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to rectify and touch up paint faults on vehicle body components. It 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.

It applies to those working in the automotive paint refinishing repair industry.

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

Competency Field

Vehicle Body

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 and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to rectify and touch up paint fault	1.1 Job requirements are determined from workplace instructions 1.2 <i>Touch-up information</i> is accessed and interpreted 1.3 <i>Materials</i> are identified, selected and inspected for quality

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
	1.4 Hazards associated with the work are identified and risks are managed 1.5 Painting tools and equipment and personal protective equipment (PPE) are selected and checked for serviceability 1.6 Work is planned to identify paint rectification methods for COB two-pack systems, minimise waste, and prevent damage to vehicle
2. Determine paint fault, its cause and rectification requirements	2.1 Cause of paint fault is identified from paint manufacturer information and confirmed by appropriate personnel 2.2 Faulty paintwork is visually inspected to determine extent of damage and areas requiring rectification 2.3 Damage to paintwork is assessed from visual comparison with undamaged paintwork 2.4 Fault rectification requirements are determined without causing undue damage to vehicle components or systems
3. Rectify and touch-up paint faults	3.1 Materials required to restore paintwork to pre-damage condition are determined from paint manufacturer recommended procedures 3.2 Materials are measured, mixed and applied using approved equipment 3.3 Damaged paintwork is rectified and blended with existing paintwork using COB two-pack system and approved blending and drying techniques 3.4 Rectification processes are completed according to workplace procedures and safety and environmental requirements, and without causing damage to vehicle components and systems
4. Complete work processes	4.1 Final inspection is made to ensure work meets workplace expectations and vehicle or component is presented ready for use 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 4.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 4.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

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

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills to:	- clarify instructions and procedures - clearly report quality issues and job outcomes.
Numeracy skills to:	- identify paint specification codes - use basic mathematical operations, including addition, subtraction, multiplication and division to: - calculate and measure quantities of paint and materials - determine ratios for mixing paint - calculate and set paint drying times - set spray painting air pressure and spray booth temperatures - set paint measuring system.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology skills to:	use specialist tools and equipment, including electronic paint measuring system and drying equipment.

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>Touch-up information</i> must include:	- paint manufacturer specifications - paint technical data sheets (TDS) - paint safety data sheets (SDS) - workplace procedures.
<i>Materials</i> must include:	- solvent base coats and clear coats - water-based materials - paint thinners and hardeners - polishing materials.
<i>Tools and equipment</i> must	tinting systems

include:	• spray guns • approved spray area and drying equipment • cleaning equipment.
<i>Safety and environmental requirements</i> must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: • selecting and using PPE • using TDS and SDS for COB two-pack paint • handling and storing paint materials • using tools and equipment • environmental requirements, including procedures for trapping, storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTP3017 Carry out paint rectification and touch-up work for clear over base using two component systems

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AURVTP017 Rectify and touch up vehicle paint faults using clear over base two-pack systems

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standard defined in this unit's elements, performance criteria, range of conditions and foundation skills:

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

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) 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, including procedures for trapping, storing and disposing of waste materials
- paint manufacturer specifications and paint codes
- types and features of two-pack paint 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
- 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

Assessors must satisfy NVR/AQTF assessor requirements.

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.

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