



Australian Government

AURVTP018 Rectify vehicle multi-layer and pearl paint faults using two-pack systems

Release: 1

AURVTP018 Rectify vehicle multi-layer and pearl paint faults using two-pack systems

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to rectify multi-layer and pearl paint faults on vehicle body components. It involves preparing for the task, selecting and using specialist tools and equipment, identifying and rectifying paint faults using multi-layer and pearl 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 multi-layer and pearl paint fault	1.1 Job requirements are determined from workplace instructions 1.2 <i>Paint rectification information</i> is accessed and interpreted 1.3 Vehicle paint specifications are identified from workplace instructions and recorded

Elements Elements describe the essential outcomes.	Performance Criteria 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 Multi-layer and pearl paint materials are selected and inspected for quality 1.5 Hazards associated with the work are identified and risks are managed 1.6 Paint tools and equipment and personal protective equipment (PPE) are selected and checked for serviceability 1.7 Work is planned to identify methods for rectifying multi-layer and pearl paint faults, minimise waste, and prevent damage to vehicle
2. Determine paint fault, its cause and rectification requirements	2.1 Cause of paint fault is determined from available information 2.2 Faulty paintwork is visually inspected to determine extent of damage and areas requiring rectification 2.3 Existing paint film build-up is identified and assessed 2.4 Damage to paintwork is assessed from visual comparison with undamaged paintwork 2.5 Fault rectification requirements are determined without causing undue damage to vehicle components or systems
3. Carry out rectification and touch-up activities	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 two-pack system 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 paint measuring systems.

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>Paint rectification 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>Paint tools and equipment</i>	mixing and tinting systems

must include:	• spray guns • approved 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 multi-layer and pearl two-pack paint • handling and storing paint materials • using tools and equipment • using approved drying area • environmental requirements, including procedures for trapping, storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURVTP3018 Carry out paint rectification for multi-layer and pearl using two component system

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 AURVTP018 Rectify vehicle multi-layer and pearl paint faults using 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 multi-layer and pearl paint faults on three different vehicles using two-pack materials, in which the work must involve:
 - blending and clearing a vehicle panel
 - partially blending and fading out blend.

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 vehicle multi-layer and pearl paint faults using two-pack systems, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for multi-layer and pearl two-pack paint
 - handling and storing paint materials
 - using tools and equipment
 - using approved drying area
- environmental requirements, including procedures for trapping, storing and disposing of waste materials
- paint manufacturer specifications
- types and features of multi-layer and pearl two-pack 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
- paint rectification and touch-up techniques and procedures, including:
 - identifying paint surface faults
 - surface preparation methods
 - paint mixing procedures
 - multi-layer and pearl paint application methods
 - drying methods for multi-layer and pearl paint refinishing materials
- procedures for protecting vehicle and components when rectifying and touching up paint faults
- procedures for final inspection of paint rectification using multi-layer and pearl 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 the vehicle paintwork they have rectified using multi-layer and pearl 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 multi-layer and pearl two-pack paint
- PPE required to rectify multi-layer and pearl two-pack paint materials
- multi-layer and pearl two-pack refinishing materials
- three different vehicles requiring paint rectification using multi-layer and pearl two-pack paint refinishing materials
- tools, equipment and materials appropriate for rectifying and touching up multi-layer and pearl paint faults using two-pack systems.

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