



**Australian Government**

# **AURVTP118 Rectify vehicle multi-layer and pearl paint faults using 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 multi-layer and pearl paint faults on vehicle body components. This unit 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.

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<br>1.2 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures<br>1.3 Identify tools, equipment and chemicals required for repair activity and establish serviceability according to workplace procedures |
| 2. Determine paint fault, its cause and rectification | 2.1 Identify cause of paint fault<br>2.2 Inspect visually faulty paintwork according to workplace procedures                                                                                                                                                                                                                                                |

| ELEMENTS                                           | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| requirements                                       | 2.3 Identify and assess existing paint film build-up<br>2.4 Compare visually compare damaged paintwork with undamaged paintwork<br>2.5 Identify fault rectification requirements according to workplace procedures and job requirements                                                                                                                                          |
| 3. Carry out rectification and touch-up activities | 3.1 Identify materials required to restore paintwork to pre-damage condition from paint manufacturer specifications and workplace procedures<br>3.2 Measure, mix and apply materials using approved equipment<br>3.3 Rectify damaged paintwork and blend with existing paintwork using two-pack system<br>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<br>4.2 Clear work area and dispose of or recycle materials according to workplace procedures<br>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           | <ul style="list-style-type: none"><li>Locates required sources of information efficiently.</li></ul>                                                                                                                                                                                                                                               |
| Reading            | <ul style="list-style-type: none"><li>Interprets workplace instructions such as job cards</li><li>Organises and interprets technical information from workplace procedures, manufacturer specifications, industry standards and paint technical data sheets (TDS) and safety data sheets (SDS).</li></ul>                                          |
| Oral communication | <ul style="list-style-type: none"><li>Clarifies instructions and procedures</li><li>Reports quality issues and job outcomes clearly.</li></ul>                                                                                                                                                                                                     |
| Numeracy           | <ul style="list-style-type: none"><li>Identifies paint specification codes</li><li>Uses basic mathematical operations, including addition, subtraction, multiplication and division to:<ul style="list-style-type: none"><li>calculate and measure quantities of paint and materials</li><li>determine ratios for mixing paint</li></ul></li></ul> |

| SKILL                   | DESCRIPTION                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | <ul style="list-style-type: none"><li>• calculate and set paint drying times</li><li>• Sets spray painting air pressure and spray booth temperatures</li><li>• Sets paint measuring system.</li></ul>       |
| Planning and organising | <ul style="list-style-type: none"><li>• Plans own work requirements</li><li>• Prioritises actions to achieve required outcomes</li><li>• Ensures tasks are completed within workplace timeframes.</li></ul> |
| Technology              | <ul style="list-style-type: none"><li>• Uses specialist tools and equipment.</li></ul>                                                                                                                      |

## Unit Mapping Information

Supersedes and is equivalent to AURVTP018 Rectify vehicle multi-layer and pearl paint faults using 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 AURVTP118 Rectify vehicle multi-layer and pearl paint faults using 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 multi-layer and pearl paint faults on at least three different vehicles using two-pack materials
- complete the following in the course of the above work:
  - blending and clearing a vehicle panel
  - partially blending and fading out blend.

## 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 vehicle multi-layer and pearl paint faults using two-pack systems, including:
  - paint manufacturer specifications
  - paint technical data sheets (TDS)
  - paint safety data sheets (SDS)
- workplace procedures required to rectify vehicle multi-layer and pearl paint faults using 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) 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 relating to rectifying vehicle multi-layer and pearl paint faults using two-pack systems, including procedures for trapping, storing and disposing of waste materials
- types and features of paint 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
- 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

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.

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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