



Australian Government

Assessment Requirements for AURVTP114 Colour match multi-layer and clear over base two-pack paints on vehicles and components

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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

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:

- colour match at least five different vehicle body panels
- in the course of the above work, colour match at least one of each of the following paint types:
 - metallic paints
 - pearl paints
 - multi-layer paints
 - solid clear over base (COB) paints.

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 colour match multi-layer and clear over base two-pack paints on vehicles and components, including:
 - original equipment manufacturer (OEM) paint colour codes and formulas
- workplace procedures required to colour match multi-layer and clear over base two-pack paints on vehicles and components 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 colour matching multi-layer and clear over base two-pack paints on vehicles and components, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for paint materials
 - handling and storing paint materials
 - using tools and equipment
 - using approved drying area
- environmental requirements relating to colour matching multi-layer and clear over base two-pack paints on vehicles and components, including procedures for trapping, storing and disposing of waste materials
- types and application methods for automotive paint, including correct use of positive air feed masks
- types and uses of paint materials, including:
 - two-pack clear coats
 - metallic finishes
 - pearl finishes
 - paint hardeners
 - water-based finishes
 - paint thinners
 - paint reducers
 - cleaning materials
- types and use of paint colour matching equipment, including:
 - paint mixing systems
 - spray gun set-up, use and maintenance
 - paint drying equipment and methods
 - tinting system
 - paint measuring system
 - viscosity measuring equipment
 - spectrometer type equipment
 - paint manufacturer colour swatches
 - approved spray area
 - polishing and cleaning equipment
 - metal or cardboard colour matching test cards
 - electronic paint mixing system and colour matching equipment
- colour matching methods and techniques for multi-layer and clear over base paints, including:
 - mixing system set-up and operation
 - colour test cards
 - visual colour matching tests

- wet to wet matching
- edge to edge matching
- hard line matching
- dabbing
- paint mixing techniques
- using paint codes when matching
- paint mixing methods
- paint thinning methods
- spraying techniques
- drying procedures
- procedures for protecting vehicle and components when colour matching
- procedures for final inspection of colour matched multi-layer and clear over base two-pack paint.

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 tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the colour matching of multi-layer and clear over base paints they have undertaken with vehicles and components, e.g. work 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
- OEM paint codes and formulas
- TDS and SDS for paint materials
- PPE required to colour match multi-layer and clear over base two-pack paints
- paint and materials to colour match multi-layer and clear over base colours
- colour test cards
- five different vehicle panels requiring painting and colour matching
- tools, equipment and materials appropriate for colour matching multi-layer and clear over base two-pack paints on vehicles and components.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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