



Australian Government

AURVTP104 Apply basic colour matching techniques using vehicle paint codes

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 colour match paints using original equipment manufacturer (OEM) paint codes. This unit involves preparing for the task, selecting and using specialist tools and equipment, preparing colour matching test cards, mixing and spraying paint and conducting a visual colour match, and completing workplace processes and documentation.

The unit 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.

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 to apply basic colour matching techniques	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. Mix paint colour	2.1 Set up and check paint measuring system required for job according to workplace procedures 2.2 Carry out colour mixing using methods, tools, equipment

ELEMENTS	PERFORMANCE CRITERIA
	and materials, according to workplace procedures
3. Prepare colour test cards and perform visual matching	3.1 Prepare and spray test cards according to workplace procedures, OEM paint codes, workplace health and safety and environmental requirements 3.2 Carry out visual matching and make comparisons between matched and original paint, and record paint codes 3.3 Remix paint for further matching if mix does not match original paint
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 safety data sheets (SDS).
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly
Numeracy	- Interprets OEM paint codes and formulas - Uses basic mathematical operations, including addition, subtraction, multiplication and division - Determines ratios and calculate quantities of paint and materials.
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 AURVTP004 Apply basic colour matching techniques using vehicle paint codes.

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 AURVTP104 Apply basic colour matching techniques using vehicle paint codes

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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:

- match solid colour paints on at least two different vehicle panels, in which the work must involve:
 - wet to wet matching
 - edge to edge matching
 - hard line matching.

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 apply basic colour matching techniques using vehicle paint codes, including:
 - technical data sheets (TDS) and safety data sheets (SDS) relating to paint material
 - original equipment manufacturer (OEM) paint colour codes and formulas
 - vehicle paint code manuals
- workplace procedures required to apply basic colour matching techniques using vehicle paint codes 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 applying basic colour matching techniques using vehicle paint codes, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - using technical data sheets (TDS) and safety data sheets (SDS) for paint material
 - handling and storing paint and cleaning materials
 - using tools and equipment
- environmental requirements relating to applying basic colour matching techniques using vehicle paint codes, including procedures for trapping, storing and disposing of waste materials
- paint colour mixing techniques, including:
 - mixing system set-up and operation
 - paint application methods
 - correct use of positive air feed masks
- types and use of equipment and materials relating to paint colour matching, including:
 - spray gun set-up, use and maintenance
 - paint drying equipment and methods
 - pressure regulators
 - air compressors
 - heating and lighting systems
 - polishing and cleaning equipment
 - solid colour paints
 - paint thinners
 - paint reducers
 - cleaning materials
- colour matching techniques, including:
 - wet to wet matching
 - edge to edge matching
 - hard line matching
 - dabbing
- procedures for identifying vehicle paint condition, including paint fade
- procedures for protecting vehicle and components when applying paint
- procedures for final inspection of basic colour matching.

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 paint colour matching techniques that they have applied, 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
- paint codes and formulas
- TDS and SDS for paint material
- two different vehicle panels requiring colour matching
- PPE needed for paint colour matching
- paint and colour matching materials
- paint mixing materials and system
- sample colours to be matched
- tools, equipment and materials appropriate for applying basic colour matching techniques using vehicle paint codes.

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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