



Australian Government

AURVTP028 Carry out custom painting techniques to vehicle body panels

Release: 1

AURVTP028 Carry out custom painting techniques to vehicle body panels

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to prepare and apply custom painting techniques to a variety of vehicle body panels or substrates in order to produce custom illustrations, graphics and visual effects. It includes developing paint stencils and applying clear or tinted top coat refinishing materials by spray gun application. The unit involves preparing for the task, selecting and using specialist tools and equipment, selecting designs and creating special painted effects using refinishing materials according to workplace or customer instructions, 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 carry out custom painting on	1.1 Job requirements are determined from workplace instructions 1.2 <i>Painting information</i> is accessed and interpreted

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.
vehicle body panels	1.3 Custom design specifications are accessed and interpreted 1.4 Hazards associated with the work are identified and risks are managed 1.5 Design stencils, painting equipment, and materials are identified and checked for quality and serviceability 1.6 Work plan is prepared to identify custom painting application methods , minimise waste, and prevent damage to vehicle
2. Determine custom design	2.1 Custom paint design, layout and colour are selected according to workplace instructions, design specifications, and customer order 2.2 Draft design is developed and refined to customer requirements 2.3 Approved custom graphic design is confirmed with customer
3. Prepare design templates and stencils	3.1 Design stencils and templates are prepared based on design and shape specifications and checked against workplace instructions 3.2 Design is applied to stencils 3.3 Stencils are cut out using selected tools according to workplace procedures and safety and environmental requirements
4. Mix and apply paint to create a variety of different visual effects	4.1 Substrate is prepared for the application of custom paint finishes 4.2 Appropriate colour combinations and equipment required to produce various painting effects are selected to reproduce the custom painting design 4.3 Paint colours are mixed and tonal order is applied to replicate custom design 4.4 Lines, shapes, patterns and illustrations are produced using freehand techniques with the assistance of stencils 4.5 Appropriate backgrounds, colour combinations, and effective colours are identified and special effects applied to produce custom illustrations and graphics 4.6 Accurate visual texture, and light and shade, on the given design or subject matter are produced according to customer specifications
5. Prepare and apply clear top coat	5.1 Painted surface is prepared for clear top coat finish using solvent cleaners and tack rags 5.2 Refinishing clear top coat materials are mixed and applied without causing damage to vehicle, systems or components
6. Complete work processes	6.1 Final inspection is made to ensure work meets workplace expectations and vehicle is presented ready for use 6.2 Work area is cleaned, waste and non-recyclable materials are

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	disposed of, and recyclable material is collected and stored 6.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 6.4 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 - interpret, respond and keep up-to-date with ways to address diverse customer custom painting design requests.
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 and measure stencil and layout dimensions - use basic mathematical operations, including addition and subtraction, to: - determine ratios - measure and calculate quantities of paint and materials.
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 custom painting equipment and measuring 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>Painting information</i> must include:	• workplace procedures • paint technical data sheets (TDS) • paint safety data sheets (SDS) • paint manufacturer specifications.
<i>Materials</i> must include:	• templates and stencils • masking mediums • paints and glazes • cleaning materials.
<i>Application methods</i> must include:	• stencil preparation and layout • paint mixing and application • various spraying techniques • drying procedures • polishing and detailing surfaces.
<i>Draft design</i> must:	• incorporate size and colour • specify the number of overlays • specify stencils and graphic preferences.
<i>Application</i> of design to stencil must be by at least one of the following:	• freehand drawing • photography • projector or computer-aided printing • cutting methods.
<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 personal protective equipment (PPE) • using TDS and SDS for paint materials • 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.
<i>Special effects</i> must include:	• highlighting, reflection and transparency techniques • simulating texture, including metal, stone, liquid, leather, fish scales and marbling • three-dimensional (3D) effects to create visual realism • tribal or indigenous art styles • colour layering processes.

Application of <i>clear top coat</i> must:	• meet job requirements for texture, depth and gloss • be free of contaminants.
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Unit Mapping Information

No equivalent unit.

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 AURVTP028 Carry out custom painting techniques to vehicle body panels

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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:

- apply custom and special effects painting techniques to two different vehicle body panels, in which the work must involve:
 - determining design size
 - using a range of graphics
 - using different colours and paint layering.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to carrying out custom painting techniques to vehicle body panels, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - 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, including procedures for trapping, storing and disposing of waste materials
- types and application methods for:
 - automotive paints used for custom painting
 - types of clear top coat refinishing materials
 - colour layering processes

- custom painting and application techniques, including:
 - custom graphic design templates, stencils and layout techniques
 - custom painting pictorial reproduction techniques
 - custom painting special effect techniques detailed in the range of conditions
- types and use of custom painting equipment, including:
 - types of spray guns
 - correct use of positive air feed masks
 - spray gun operation and spraying techniques
 - spray gun cleaning methods
 - paint cleaning materials and equipment
- procedures for protecting vehicle and components when applying paint
- procedures for final inspection of custom paint job.

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 custom paint work they have completed on vehicle body panels, 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
- TDS and SDS for paint materials
- PPE required to apply custom painting, including positive air feed masks
- paint and materials required for custom painting
- airbrush spray guns
- paint drying equipment
- two different vehicle body panels requiring the application of custom painting
- tools, equipment and materials appropriate for carrying out custom painting techniques on vehicle body panels.

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