



Australian Government

AURVTP029 Prepare surface and prime repaired body panels

Release: 1

AURVTP029 Prepare surface and prime repaired body panels

Modification History

Release	Comment
Release 1	New unit of competency

Application

This unit describes the performance outcomes required to prepare and prime a repaired body panel of a vehicle. It requires the learner to plan and prepare the task; identify types of automotive abrasives; remove protective waxes and surface contaminants; feather paint edges; apply filler; and maintain the work area, tools and equipment.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry.

The unit is designed for use in a highly supervised context and is not suitable for use in a vocational qualification.

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 italicised text is used, further information is detailed in the range of conditions section
1.1 Prepare to prime a repaired body panel	1.1 <i>Safety and environmental requirements</i> are sourced and interpreted 1.2 Task instruction is interpreted and vehicle body panel to be worked on is identified 1.3 Manufacturer specifications and workplace procedures for

ELEMENTS	PERFORMANCE CRITERIA
	removing paint and preparing surface are sourced and interpreted 1.4 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.5 Tools and equipment required for priming body panel are identified according to manufacturer specifications
2. Prepare body panel for priming	2.1 Tools, equipment and materials for priming body panel are selected and checked prior to use according to manufacturer specifications and safety requirements 2.2 Vehicle body panel is prepared for priming according to workplace procedures and safety and environmental requirements, and without causing damage to components, tools or equipment 2.3 Body panel is inspected according to manufacturer specifications 2.4 Body panel inspection results are recorded
3. Apply primer to body panel	3.1 Primer is prepared for application according to manufacturer specifications and safety and environmental requirements 3.2 Primer is applied according to workplace procedures, manufacturer specifications, and safety and environmental requirements 3.3 Primer is applied to body panel without causing damage to body panel, components, tools or equipment 3.4 Body panel is inspected to ensure correct application of primer to body panel 3.5 Body panel inspection results are recorded
4. Complete work processes	4.1 Final inspection is made to ensure work meets task instruction and workplace standards, and body panels are primed ready for use or storage according to workplace procedures 4.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored according to environmental requirements and workplace procedures 4.3 Tools and equipment are checked and stored according to workplace procedures, or tagged and reported where necessary 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 vehicle panel and priming information and procedures.
Reading skills to:	- select and interpret key information from manufacturer specifications, safety requirements and workplace procedures for priming a repaired body panel - select and interpret key information from environmental requirements and workplace procedures to ensure a clean and safe work site.
Writing skills to:	legibly and accurately fill out workplace documentation using correct industry terminology and conventions.
Oral communication skills to:	participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Numeracy skills to:	- read and interpret numerical information in paint information - use basic mathematical operations, including addition, subtraction, multiplication and division, to calculate volumes and ratios.
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes.
Self-management skills to:	recognise own limitations when selecting and using tools and equipment and seek timely advice.
Problem-solving skills to:	- identify potential or actual hazards and take action to minimise risk - refer problems that cannot be readily resolved and seek assistance from workplace supervisor.
Technology skills to:	set up and operate equipment and tools required to prime repaired body panels.

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>Safety and environmental requirements</i> must include:	- information about key aspects of work health and safety (WHS), occupational health and safety (OHS) and environmental requirements, including: - use of personal protective equipment, including safety glasses, ear protection and safety footwear
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	• use of hand tools • procedures for handling and disposing of used primer, emulsions and solvents • procedures for extracting fumes.
<i>Tools, equipment and materials</i> must include:	• preparation and spray areas with fume extraction • spray gun equipment • wet and dry paper • spray gun equipment • sanding discs • emulsion materials • filler • primers, including: • etch primer • primer surfacer.
<i>Vehicle body panel</i> must include:	• a major body panel from one of the following: • passenger vehicle • light commercial vehicle • heavy vehicle • constructed vehicle.

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 AURVTP029 Prepare surface and prime repaired 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 and foundation skills:

- correctly surface prepare and prime a minimum of two major vehicle body panels.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- key aspects of work health and safety (WHS), occupational health and safety (OHS) and environmental requirements, including:
 - use of personal protective equipment, including safety glasses, ear protection and safety footwear
 - use of hand tools, including air and electric sanders
 - safety data sheets (SDS) and procedures for handling and disposing of used primer, emulsions and solvents
 - procedures for extraction of fumes
- types, grades and uses of abrasives and sandpaper
- workplace procedures for:
 - wet and dry sanding
 - surface preparation
 - paint feather edging and precautions
- types of filler and primers and their use
- filler and primer application procedures
- work area clean-up and maintenance requirements.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the repaired body panels that they have surface prepared and primed, 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 workplace or simulated workplace
- personal protective equipment appropriate to the workplace
- two major vehicle body panels
- tools, equipment and materials, including:
 - preparation and spray areas with fume extraction
 - spray gun equipment
 - wet and dry paper
 - spray gun equipment
 - sanding discs
 - emulsion materials
 - filler
 - primers, including:
 - etch primer
 - primer surfacer
 - solvents.

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