



**Australian Government**

# **AURVTP032 Prepare and mask vehicle body panel surfaces**

**Release: 1**

# AURVTP032 Prepare and mask vehicle body panel surfaces

## Modification History

| Release   | Comment                 |
|-----------|-------------------------|
| Release 1 | New unit of competency. |

## Application

This unit describes the performance outcomes required to prepare and mask the body panel of a vehicle. It involves planning and preparing for the task, identifying types of masking materials used in vehicle painting, removing protective waxes and surface contaminants, applying masking, and maintaining 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 and italicised text is used, further information is detailed in the range of conditions section. |
| 1. Prepare for work                       | 1.1 Task instructions are interpreted and vehicle body panel to be worked on is identified<br>1.2 Manufacturer specifications and workplace procedures for                                                  |

| <b>Elements</b><br>Elements describe the essential outcomes. | <b>Performance Criteria</b><br>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.                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                              | preparing panel surface are sourced and interpreted<br>1.3 <b><i>Safety and environmental requirements</i></b> are sourced and interpreted<br>1.4 Potential hazards and risks associated with task are identified and reported to workplace supervisor<br>1.5 Tools and equipment required for preparing body panel are identified and checked for serviceability                                                                                                                                                                                                                             |
| 2. Prepare surfaces for masking                              | 2.1 Panel surface is cleaned and checked for contaminants according to workplace procedures and safety and environmental requirements, and without causing damage to components and systems<br>2.2 Body panel is inspected according to workplace requirements<br>2.3 Body panel inspection results are recorded                                                                                                                                                                                                                                                                              |
| 3. Apply masking materials to surface                        | 3.1 Components and fittings that can be affected by the refinishing process are protected or removed according to workplace procedures and safety requirements, and without causing damage to components and systems<br>3.2 Masking is applied to surfaces adjacent to the area to be refinished according to workplace procedures and safety requirements, and without causing damage to components and systems<br>3.3 Body panel is inspected to ensure correct application of masking<br>3.4 Body panel inspection results are recorded                                                    |
| 4. Complete work processes                                   | 4.1 Final inspection is made to ensure work meets task instructions and workplace standards, and body panels are presented ready for use or storage according to workplace procedures<br>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<br>4.3 Tools and equipment are checked and stored according to workplace procedures, or tagged and reported as required<br>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:                | <ul style="list-style-type: none"> <li>locate appropriate sources of vehicle panel surface preparation and masking information and procedures.</li> </ul>                                                                                                                                                                                                                                 |
| Reading skills to:                 | <ul style="list-style-type: none"> <li>select and interpret key information from:               <ul style="list-style-type: none"> <li>manufacturer specifications, safety requirements and workplace procedures for preparing surfaces and masking body panels</li> <li>environmental requirements and workplace procedures to ensure a clean and safe work site.</li> </ul> </li> </ul> |
| Writing skills to:                 | <ul style="list-style-type: none"> <li>legibly and accurately fill out workplace documentation.</li> </ul>                                                                                                                                                                                                                                                                                |
| Oral communication skills to:      | <ul style="list-style-type: none"> <li>clarify instructions and procedures</li> </ul>                                                                                                                                                                                                                                                                                                     |
| Planning and organising skills to: | <ul style="list-style-type: none"> <li>plan own work requirements and prioritise actions to achieve required outcomes.</li> </ul>                                                                                                                                                                                                                                                         |
| Technology skills to:              | <ul style="list-style-type: none"> <li>set up and operate equipment and tools required to prepare surfaces and mask body panels.</li> </ul>                                                                                                                                                                                                                                               |

## 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.

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Safety and environmental requirements</i></b> must include: | <ul style="list-style-type: none"> <li>work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for:               <ul style="list-style-type: none"> <li>selecting and using personal protective equipment (PPE), including safety glasses, ear protection and safety footwear</li> <li>using hand tools</li> </ul> </li> <li>environmental requirements, including procedures for trapping, storing and disposing of used cleaning agents.</li> </ul> |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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 AURVTP032 Prepare and mask vehicle body panel surfaces

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## Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- prepare the surface and apply masking materials to two different major vehicle body panels.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to preparing and masking vehicle body panel surfaces, including procedures for:
  - selecting and using personal protective equipment (PPE), including safety glasses, ear protection and safety footwear
  - using hand tools
- environmental requirements, including procedures for trapping, storing and disposing of used cleaning agents
- panel pre-painting preparation procedures, including cleaning and inspection
- panel masking procedures, including types and use of masking materials, including:
  - spray on
  - paper
  - plastics
  - templates
  - wheel covers
- procedures for final inspection of masked vehicle body panels.

## 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 tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the body panels that they have surface prepared and masked, 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
- PPE for preparing and masking vehicle panels
- two different major vehicle body panels requiring the application of masking materials
- tools, equipment and materials for preparing and masking vehicle panels.

## Links

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