



Australian Government

AURVTP113 Prepare vehicle substrates for refinishing

Release: 1

AURVTP113 Prepare vehicle substrates for refinishing

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 prepare vehicle substrates for refinishing by removing surface rust and scale and applying primers and sealers before the final refinishing. This unit involves preparing for the task, selecting and using specialist tools and equipment, selecting and using materials, cleaning vehicle substrate surfaces according to manufacturer specifications, and completing workplace processes and documentation.

The unit applies to those working in the automotive refinishing industry. The preparation of plastic or composite materials for refinishing is not addressed in this unit.

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 for work	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. Remove surface rust and apply primers	2.1 Remove surface rust and scale from substrate according to workplace procedures, manufacturer specifications and workplace health and safety and environmental requirements

ELEMENTS	PERFORMANCE CRITERIA
	2.2 Protect or remove substrate components affected by application processes according to workplace procedures 2.3 Clean surfaces to be painted and remove contaminants 2.4 Apply primers and primer surfaces according to workplace procedures
3. Prepare primed and sealed surface for refinishing	3.1 Prepare surfaces to be refinished according to workplace procedures 3.2 Record and report identified surface defects
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 paint technical data sheets (TDS) and safety data sheets (SDS).
Oral communication	- Clarifies instructions and procedures - Reports quality issues and job outcomes clearly.
Numeracy	Uses basic mathematical operations, including addition and subtraction, to calculate material quantities.
Planning and organising	Plans own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology	Uses specialist tools and equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTP013 Prepare vehicle substrates for refinishing.

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 AURVTP113 Prepare vehicle substrates for refinishing

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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:

- prepare two different vehicle substrates for refinishing,
- during the course of the above work, prepare at least one of each of the following:
 - full steel vehicle body panel with surface rust
 - full aluminium vehicle body panel
 - stainless steel sheet measuring at least 150 mm x 150 mm or stainless-steel body moulding
 - galvanised coated sheet measuring at least 150 mm x 150 mm b
 - zinc anneal sheet measuring at least 150 mm x 150 mm.

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 prepare vehicle substrates for refinishing, including:
 - manufacturer's specifications or equivalent documentation
- workplace procedures required to prepare vehicle substrates for refinishing 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 preparing vehicle substrates for refinishing, including procedures for:
 - selecting and using personal protective equipment (PPE), including positive air feed masks
 - using technical data sheets (TDS) and safety data sheets (SDS) for primers and chemical cleaners
 - handling and storing paint materials
 - using tools and equipment
 - using approved drying areas
- environmental requirements relating to preparing vehicle substrates for refinishing, including procedures for trapping, storing and disposing of waste materials
- types and uses of materials, including:
 - chemical cleaners
 - body fillers
 - primer fillers
 - abrasive papers
 - cleaning materials
 - masking materials
 - primers and etch primers
- types and uses of tools and equipment, including:
 - primers and sealers
 - spray gun set-up, maintenance and application
 - cleaning agents
 - hand tools
 - air and power tools
 - cleaning equipment
 - spray equipment
 - paint measuring equipment
- surface preparation methods and techniques for primers, sealers and surface repair:
 - masking off areas not to be coated
 - adhesion tests
 - primer mixing techniques
 - application methods for primers, fillers and sealers
 - sanding and blocking
 - feather edging procedures
- procedures for protecting vehicle and components when preparing substrates
- procedures for final inspection of prepared substrates.

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 task.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicle substrates that they have prepared for refinishing, 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
- workplace instructions
- TDS and SDS for primers and chemical cleaners
- PPE required to prepare substrates for refinishing
- materials required to prepare substrates for refinishing
- vehicle substrates specified in the performance evidence requiring preparation for refinishing
- tools, equipment and materials appropriate for preparing vehicle substrates for refinishing.

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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