



Australian Government

AURVNP4001 Evaluate vehicle paintwork for damage and identify refinish requirements

Release 2

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Modification History

Release	Comment
Release 2	Replaces AURVNP4001 Evaluate vehicle paintwork for damage and identify refinish requirements (Release 1) Reference to OHS legislation replaced with new WHS legislation

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes required to evaluate vehicle paintwork for damage and identify the paint refinish required to repair a vehicle. It involves using technical understanding of paint applications and procedures; and locating, evaluating and documenting relevant information. Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.
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Application of the Unit

Application of the unit	Work involves evaluating the paintwork on a vehicle for damage and identifying appropriate paint refinish to repair the vehicle in a vehicle repair or vehicle loss assessment environment. Vehicles may include light vehicles, commercial vehicles, heavy vehicles, agricultural and plant equipment, recreational vehicles and motorcycles.
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Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for work	1.1. Work instructions are used to determine job requirements 1.2. Workshop and workplace workplace health and safety (WHS) requirements and workplace environmental practices and policies are read and complied with 1.3. Workplace policies and procedures, legal requirements, and manufacturer and component supplier specifications are read and interpreted 1.4. Safety equipment, tooling equipment, and materials and equipment are selected and checked
2. Assess vehicle paintwork for damage	2.1. Vehicle to be inspected is located 2.2. Preferred inspection method is determined that conforms to workplace policies and procedures, legal requirements, and specifications of vehicle manufacturer or component suppliers 2.3. Paintwork is inspected to identify vehicle paintwork damage and potential paint problems 2.4. Vehicle is inspected in line with workplace policies and procedures, legal requirements, specification of vehicle manufacturer or component suppliers, WHS requirements and workplace environmental practices
3. Gather data and specifications	3.1. Painting specifications are identified and documented 3.2. Staff and management are consulted to identify additional or altered specifications 3.3. Existing paint refinish materials and equipment are evaluated 3.4. Data and specifications are compiled and documented
4. Evaluate and select materials, equipment and processes	4.1. Materials and equipment options are determined 4.2. Materials and equipment are assessed for quality finish and conformity to standards 4.3. Specifications of materials and equipment are compared for performance and cost 4.4. Commercial, environmental and safety impact of materials and equipment selected is determined 4.5. Materials, equipment and processes are selected

ELEMENT	PERFORMANCE CRITERIA
	based on performance, cost, specifications and impact comparison 4.6. Repair process is documented as required by workplace policies and procedures, and legal requirements

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

- technical skills to:
 - evaluate the paintwork of a damaged vehicle
 - use materials, equipment, processes and workplace technology
- communication skills to consult with staff and management regarding research and data gathering
- literacy skills to:
 - analyse information relating to paintwork materials and equipment
 - interpret technical specifications
 - analyse regulatory, environmental and safety procedures, best practice and future trends
 - research and document evaluation results
- numeracy skills to:
 - gather data
 - compare results and potentials
- planning skills to:
 - organise activities
 - systematically identify, research and evaluate options
- problem-solving skills to identify potential technical and procedural problems and variables
- team skills to work effectively and cooperatively with others

Required knowledge

- technical knowledge of motor vehicle paintwork damage and refinishing techniques, including:
 - damage and faults
 - dismantling and repair methods
 - paint types:
 - acrylic enamel
 - air dry enamel
 - clear over base (COB)
 - fillers
 - multi-layer
 - pearls
 - polyurethane
 - special effects
 - waterborne paint

- two-pack paint
- methods of sourcing current retail costs of vehicles and vehicle components and materials
- vehicle inspection and damage assessment procedures and methodologies, including repair set-ups and dismantling procedures
- current assessing and quoting methodologies
- vehicle testing machines and procedures
- current vehicle materials and retail costs
- relevant automotive websites to locate current best practice and future trends information
- assessor methodologies
- general insurance industry knowledge, including relevant sections of:
 - Competition and Consumer Act
 - contract and insurance law
 - copyright law
 - Insurance Contracts Act
 - intellectual property
 - Motor Vehicle Insurance and Repair Industry Code of Conduct
 - personal legal liability
 - State or Territory Fair Trading Act
- methods of sourcing manufacturer and component supplier specifications, including workshop manuals and repair guides
- applicable commonwealth, state or territory laws, regulations and standards relating to evaluating the paintwork of a damaged vehicle, and suggesting repair materials, equipment and processes, including:
 - environmental regulations
 - legislation
 - Workplace Health and Safety (WHS) Act
- workplace policies and procedures relating to evaluating paintwork of a damaged vehicle, and suggesting repair materials, equipment and processes, including:
 - quality requirements
 - recording and reporting procedures

Evidence Guide

Evidence Guide	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy all of the requirements of the performance criteria and required skills and knowledge. A person who demonstrates competency in this unit must be able to: • observe safety procedures and requirements when evaluating vehicle paintwork • locate and interpret relevant information • identify the paintwork refinish required for a range of damaged vehicles • identify paint problems for a range of damaged vehicles • select appropriate bodywork materials, equipment and processes for the paintwork refinish • determine the impact of decisions in terms of commercial, environmental and safety risks • document bodywork materials, equipment and processes.
Context of, and specific resources for assessment	Competency is to be assessed in the workplace or a simulated workplace environment that accurately reflects performance in a real workplace setting. Assessment is to occur: • using standard workplace practices and procedures • following safety requirements • applying environmental constraints. Assessment is to comply with relevant: • regulatory requirements • Australian standards • industry codes of practice. The following resources must be made available for the assessment of this unit: • a range of vehicles with both minor and extensive

Evidence Guide	
	vehicle damage • computer hardware, software and calculators • internet access • necessary tools and equipment • relevant information, including manufacturer specifications, workshop and body repair manuals • workplace technology.
Method of assessment	Assessment must satisfy the endorsed Assessment Guidelines of this Training Package. Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with the application of required skills and knowledge. Assessment methods must be by direct observation of tasks and include questioning on required skills and knowledge to ensure correct interpretation and application. Competence in this unit may be assessed in conjunction with other units which together form part of a holistic work role. Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate the needs of diverse clients. Assessment processes and techniques must be culturally sensitive and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.

Range Statement

Range Statement	
The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.	
<i>OHS requirements</i> may include:	• correct disposal of hazardous materials and substances • first aid equipment • following emergency procedures • hazard and risk control • personal protective equipment (PPE) and clothing • safety equipment • techniques for manual handling, including shifting, lifting and carrying.
<i>Workplace environmental practices</i> may include:	• clean-up management • dust and noise minimisation • waste management.
<i>Workplace policies and procedures</i> may include:	• environment and sustainability • job specifications • manufacturer specifications and industry codes of practice • WHS • quality policies and procedures, including Australian standards • recording and reporting procedures • safe work procedures.
<i>Legal requirements</i> are to be in accordance with applicable commonwealth, state or territory legislation, regulations, certification requirements and codes of practice, and may include:	• Competition and Consumer Act • Australian standards • award and enterprise agreements • confidentiality and privacy • copyright law • equal opportunity • duty of care • Motor Vehicle Insurance and Repair Industry Code of Conduct • WHS • relevant industry codes of practice • the environment.

Range Statement	
<i>Manufacturer and component supplier specifications</i> may include:	• Australian standards • diagrams and sketches • instructions issued by authorised organisation or external persons • inventory systems • material safety data sheets (MSDS) • original equipment manufacturer (OEM) design specifications and repair procedures • parts catalogues • safe work procedures for inspecting vehicles for saleable components • workplace specifications and requirements.
<i>Tooling equipment</i> may include:	• protective covers • specialist tools, including: • colour spectrometer • decal template • elcometer • hand and power tools • key cutters • paint mixers • removal and adjustment tools • sealing and adhesive equipment • vehicle: • diagnostic equipment • measuring equipment • cleaning equipment • storage racks.
<i>Materials and equipment</i> may include:	• calculators and general office equipment • computer hardware and software • digital camera • film thickness gauge • hoist • paint code list • portable light • protective covers • recording equipment, such as laptop or notebook.

Range Statement	
<i>Vehicle paintwork damage</i> may include:	• bolt-on vehicle painted components • bumper bar graze • hail damage • panel paintwork damage.
<i>Paint problems</i> may include:	• blistering • delaminating • flaking • humidity bubbles • inclusions • incorrect: • colour • film build • mottle • orange peel • poor cover or hiding.

Unit Sector(s)

Competency field	Vehicle Body
Sector	Loss Assessment or Repair Quoting - Paint

Custom Content Section

Not applicable.