



Australian Government

AURVTP3018 Carry out paint rectification for multi-layer and pearl using two component system

Release 1

AURVTP3018 Carry out paint rectification for multi-layer and pearl using two component system

Modification History

Release	Comment
Release 1	Replaces AURV329903CA Carry out paint rectification and touch up work for multi layer/pearl (two component system) Unit code updated to meet policy requirements Minor changes to unit title Reference to OHS legislation replaced with new WHS legislation Licensing statement added to unit descriptor

Unit Descriptor

Unit descriptor	This unit covers the competence required to rectify and touch up multi layer/pearl (two component system) paint material faults. 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	The unit includes the identification and confirmation of work requirement, preparation for work, identification of rectification/touch up requirements, rectification and touch up of faults and completion of work finalisation processes including clean-up and documentation. Work requires individuals to demonstrate judgement and problem solving skills in managing own work activities and contributing to a productive team environment.
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Licensing/Regulatory Information

Not applicable.

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 including method and material type. 1.2. Job specifications are read and interpreted. 1.3. WHS requirements, including personal protection needs, are observed throughout the work. 1.4. Materials are selected and inspected for quality. 1.5. Hand and power tooling, and safety equipment are identified and checked for correct operation. 1.6. Procedures are determined to minimise waste material. 1.7. Procedures are identified for maximising energy efficiency while completing the job.
2. Determine paint fault cause and rectification requirements for multi-layer/pearl (two component system) paint materials	2.1. Cause of paint fault is determined from available information to provide background for report/repair. 2.2. Visual inspection of vehicle is undertaken to determine the extent of damage and areas requiring repair/rework. 2.3. Damage to paintwork is assessed from visual comparison with undamaged paintwork. 2.4. Determinations are carried out according to industry regulations/guidelines, WHS legislation, statutory legislation and enterprise procedures/policies. 2.5. Paint faults cause and rectification requirements are determined without causing undue damage to any component or system.
3. Rectify and touch up paint faults of multi-layer/pearl (two component system) paint materials	3.1. Materials required to restore paintwork to "as new" condition are determined from industry and manufacturer/ component supplier. 3.2. Damaged paintwork is rectified to blend with existing paintwork on vehicle. 3.3. Rectification operations are carried out according to industry regulations/guidelines, WHS legislation, statutory legislation and enterprise procedures/policies. 3.4. Paint faults are rectified without causing damage to any component or system.
4. Clean up work area and maintain equipment	4.1. Material that can be reused is collected and stored. 4.2. Waste and scrap is removed following workplace procedure. 4.3. Equipment and work area are cleaned and inspected

ELEMENT	PERFORMANCE CRITERIA
	for serviceable condition in accordance with workplace procedures. 4.4. Unserviceable equipment is tagged and faults identified in accordance with workplace procedures. 4.5. Operator maintenance is completed in accordance with manufacturer/component supplier specifications and site procedures. 4.6. Tooling is maintained in accordance with workplace procedures.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- collect, organise and understand information related to work orders, plans and safety procedures for multi layer pearl (two component system) paint rectification and touch up work
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities including preparation and layout of worksite and the obtaining of equipment and materials to avoid backtracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to calculate time, apply measurements, calculate material requirements and establish quality checks
- establish safe and effective work processes which anticipate and/or resolve problems and downtime, to systematically develop solutions to avoid or minimise reworking and wastage
- use workplace technology related to the rectification and touch up of multi-layer/pearl (two component system) paintwork including the use of specialist tooling and equipment, measuring equipment, and communication devices and the reporting/recording of results

Required knowledge

A working knowledge of:

- WHS regulations/requirements, equipment, material and personal safety requirements
- environmental protection requirements/substance disposal and storage
- material safety data sheets
- paint surface fault identification and rectification procedures for multi-layer/pearl (two component system) paint materials
- touch up techniques
- work organisation and planning processes
- enterprise quality processes

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

It is essential that competence is fully observed and there is ability to transfer competence to changing circumstances and to respond to unusual situations in the critical aspects of:

- observing safety procedures and requirements
- communicating effectively with others in associated areas
- selecting methods and techniques appropriate to the circumstances
- completing preparatory activity in a systematic manner
- applying environmental procedures
- preparing paint
- determining and rectifying paint fault for multi-layer/pearl (two component system) paint materials.

Context of, and specific resources for assessment

Application of competence is to be assessed in the workplace or simulated worksite.

Assessment is to occur using standard and authorised work practices, safety requirements and environmental constraints.

Assessment is to comply with regulatory requirements including Australian Standards.

The following resources should be made available:

- workplace location or simulated workplace
- materials relevant to the rectification and touch up of multi-layer/pearl (two component system) paintwork
- equipment and hand and power tooling appropriate to the rectification and touch up of multi-layer/pearl (two component system) paintwork
- activities covering mandatory task requirements
- specifications and work instructions.

Method of assessment

- Assessment must satisfy the endorsed assessment guidelines of the automotive industry's RS&R Training Package.
- Assessment methods must confirm consistency and accuracy of performance together with application of underpinning knowledge.

EVIDENCE GUIDE

	- Assessment must be by direct observation of tasks, with questioning on underpinning knowledge and it must also reinforce the integration of key competencies. - Assessment may be applied under project related conditions and require evidence of process. - Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances. - It is preferable that assessment reflects a process rather than an event and occurs over a period of time to cover varying quality circumstances. Evidence of performance may be provided by customers, team leaders/members or other persons subject to agreed authentication arrangements. - Competence in this unit may be assessed in conjunction with other functional units which together form part of the holistic work role.
Guidance information for assessment	

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, if used 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.

Methods

Methods include:

- spray gun selection, various spraying techniques, drying procedures and paint mixing
- safe work procedures.

Specific requirements

Specific requirements may include personal safety protection and equipment.

RANGE STATEMENT	
Variables	Other variables may include compound polishing and detailing of repaired surfaces.
WHS	WHS requirements are to be in accordance with legislation/regulations/codes of practice and enterprise safety policies and procedures. This may include protective clothing and equipment, use of tools and equipment, workplace environment and safety, handling of materials, use of fire fighting equipment, enterprise first aid, hazard control and hazardous materials and substances.
Personal protective equipment	Personal protective equipment is to include that prescribed under legislation/regulation/codes of practice and workplace policies and practices.
Safe operating procedures	Safe operating procedures are to include, but are not limited to operational risk assessment and treatments associated with vehicular movement, toxic substances, electrical safety, machinery movement and operation, manual and mechanical lifting and shifting, and working in proximity to others and site visitors.
Emergency procedures	Emergency procedures related to this unit are to include, but are not limited to emergency shutdown and stopping of equipment, extinguishing fires, enterprise first aid requirements and site evacuation.
Environmental requirements	Environmental requirements are to include, but are not limited to waste management, noise, dust and clean-up management.
Quality requirements	Quality requirements are to include, but are not limited to regulations including Australian Standards, internal company quality policy and standards and enterprise operations and procedures.
Statutory/regulatory authorities	Statutory/regulatory authorities may include Federal, State/ Territory and local authorities administering acts, regulations and codes of practice.

RANGE STATEMENT	
Tooling and equipment	Tooling and equipment may include various spray guns, air pressure regulators, air compressors, spray booths, baking ovens, heating and lighting systems, strainers, measuring sticks and ford cup.
Materials	Materials may include acrylic enamel, multi layer/pearls, two pack base coats, acrylic enamel clear, hardeners and reducers, tac rags, polishing buffs and pads, cleaning solvents, compounds and glazes and cleaning materials.
Communications	Communications are to include, but are not limited to verbal and visual instructions and fault reporting and may include site specific instructions, written instructions, plans or instructions related to job/task, telephones and pagers.
Information/documents	Sources of information/documents may include: • verbal or written and graphical instructions, signage, work schedules/plans/specifications, work bulletins, memos, material safety data sheets, diagrams or sketches • safe work procedures related to the rectification and touch up of multi layer/pearl (two component system) paintwork • regulatory/legislative requirements pertaining to automotive painting and finishing • engineer's design specifications and instructions • organisation work specifications and requirements • instructions issued by authorised enterprise or external personnel • Australian Standards.

Unit Sector(s)

Unit sector	Vehicle body
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Co-requisite units

Not applicable.

Competency field

Competency field	Technical - Trimming and Upholstery
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