



Australian Government

AURVNA008 Apply automotive body and paint knowledge to vehicle loss assessments

Release: 1

AURVNA008 Apply automotive body and paint knowledge to vehicle loss assessments

Modification History

Release	Comment
Release 1	New unit of competency

Application

This unit describes the performance outcomes required to apply automotive body and paintwork knowledge to identify body and paint damage.

The unit applies to those applying specialist body and paint knowledge to a vehicle loss assessment in the loss assessment environment. Vehicles and components may include light vehicles, commercial vehicle, heavy vehicles, agricultural and plant equipment, recreational vehicles and motorcycles.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Competency Field

Vehicle Body

Unit Sector

Loss Assessment and Repair Quoting

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. Develop and apply an understanding of automotive paintwork knowledge	1.1 Knowledge of operating principles of <i>paint preparation, application</i> , and refinishing process and techniques, including <i>paint products</i> and imperfection identification is developed 1.2 Knowledge of paint preparation and paint product is applied to loss assessment processes 1.3 Paintwork damage is identified using <i>colour matching</i>

ELEMENTS	PERFORMANCE CRITERIA
	<i>techniques</i>
2. Develop and apply an understanding of automotive body knowledge	2.1 Knowledge of operating principles of vehicle structure is developed 2.2 knowledge of operating principles of vehicle supplementary restraint systems (SRS) is developed 2.3 Knowledge of operating principles of vehicle body repair procedures is developed 2.4 Knowledge of vehicle structure, SRS and body repair procedures is applied to loss assessment processes, procedures and policies 2.5 Bodywork damage is identified
3. Develop and apply an understanding of advanced specialist vehicle information	3.1 Knowledge of specific vehicle types is developed, clarified where necessary, and applied to loss assessment processes, procedures and policies 3.2 Knowledge of latest technology relating to automotive paint and bodywork is developed, clarified where necessary, and applied to loss assessment processes, procedures and policies 3.3 Research techniques and advanced specialist vehicle knowledge are employed in order to identify vehicle damage

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:	source information on loss assessment processes, procedures and policies.
Reading skills to:	research and interpret automotive paintwork, body, and advanced specialist vehicle information.
Oral communication skills to:	- discuss with repairers and specialist providers problems relating to: - latest automotive technology - specific vehicle types - vehicle body - vehicle paintwork.
Numeracy skills to:	interpret technical measurements in order to determine extent of damage.
Digital literacy skills to:	use communication devices and computerised equipment to research advanced specialist vehicle information.

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>Paint preparation and application</i> must include:	• colour matching • paint film thickness gauge • paint code list • paint mixing • masking • surface preparation, including: • sanding • degreasing.
<i>Paint products</i> must include:	• acrylic enamel • air dry enamel • clear over base (COB) • multi-layer • pearls • polyurethane • primers and fillers • special effects • two-pack paint • waterborne paint.
<i>Colour matching techniques</i> must include at least one of the following:	• eye • formula • colour cards • colour spectrometer.
<i>Vehicle structure</i> must include:	• alloys • collision energy management • composite materials • foams structural and non-structural • glass components • metals • plastics • vehicle structural integrity and component interrelationship.
<i>Supplementary restraint systems</i> must include:	• airbag systems, including: • console • curtain

	• dash • knee • pillar • seat • side • steering wheel • seat belt tensioners • sensors, actuators and control modules.
Vehicle body repair procedures must include:	• alignment systems • panel repair, including the application of filler • measuring systems • methods and types of: • bonding • fastening • riveting • welding.
Specific vehicle types must include at least one of the following:	• agricultural and plant equipment • heavy vehicles • commercial vehicles • light vehicles • motorcycles • recreational vehicles.
Latest technology must include:	• alloy steel technology • aluminium technology • composite materials • electrical and electronic systems • high strength steels • painting preparation and procedures.
Research techniques must include:	• internet • reference material, including: • original equipment manufacturer (OEM) or authorised agency repair guides • paint code list • repair guides • subject matter experts.

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 AURVNA008 Apply automotive body and paint knowledge to vehicle loss assessments

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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 and foundation skills:

- apply specialist automotive knowledge to vehicle loss assessment processes and procedures on a minimum of two occasions, including:
 - automotive paintwork and body knowledge
 - latest automotive technology knowledge
 - specific vehicle type knowledge
 - identification of vehicle body and paint damage.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- operating principles of paint preparation and refinishing process and techniques, including:
 - colour matching
 - imperfection identification
 - paint products
- operating principles of supplementary restraint systems (SRS)
- operating principles of vehicle structural repair and procedures, including:
 - measuring and alignment systems
 - welding, bonding and fastening methods and types
- operating principles of vehicle structure, including:
 - alloys
 - metals
 - other materials
- paintwork and body:
 - damage and faults

- dismantling and repair methods
- technical knowledge relating to a specific vehicle type
- technical knowledge of latest technology relating to vehicle paintwork and body repair, including:
 - composite materials
 - high-strength steels
 - waterborne paints
 - painting preparation and procedures
 - SRS
- vehicle inspection and damage assessment procedures and methodologies, including repair set-up and dismantling procedures
- current assessing and quoting methodologies
- relevant automotive websites to locate information on current best practice and future trends in vehicle loss assessment
- methods for sourcing original equipment manufacturer (OEM) or authorised agencies' repair procedures, component supplier specifications and repair guides
- applicable commonwealth, state or territory laws, regulations and standards relating to vehicle loss assessment and reporting requirements, including:
 - environmental regulations
 - intellectual property
 - applicable Workplace Health and Safety Act or Occupational Health and Safety Act
- workplace policies and procedures relating to vehicle loss assessment and reporting requirements, including:
 - recording and reporting procedures
 - use of digital images.

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 vehicles that they have assessed, e.g. assessment reports.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- a range of vehicles with paint and body damage
- relevant information, including OEM or authorised agencies' repair procedures, component supplier specifications and repair guides
- relevant materials and resources.

Links

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