



Australian Government

AURVTN013 Carry out paint-less dent repairs on vehicle body panels

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to repair shallow dents and hail damaged body panels using paint-less dent repair (PDR) processes. It involves preparing for the task, selecting and using specialist tools, repairing vehicle panels to pre-damage condition using PDR methods, and completing workplace processes and documentation.

It applies to those working in the automotive body repair industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Vehicle Body

Unit Sector

Technical - Body

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 to carry out PDR repairs	1.1 Job requirements are determined from workplace instructions 1.2 Workplace procedures and PDR tool manufacturer specifications are sourced and interpreted 1.3 Hazards associated with the work are identified and risks are managed

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.
	1.4 <i>Tools and equipment</i> are selected and checked for serviceability 1.5 Work is planned to minimise waste and use time efficiently
2. Repair panel using PDR process	2.1 Vehicle panels and work area, including lighting requirements, are prepared for PDR work 2.2 PDR tools are fabricated or modified to suit work requirements 2.3 Components are repaired using approved <i>PDR methods</i> and equipment according to workplace procedures and <i>safety requirements</i> 2.4 Advice is sought from authorised personnel if repair interferes with vehicle trim or electrical systems 2.5 Painted surface is finished according to workplace procedures, and PDR repairs are checked against workplace instructions and workplace quality standards and finish requirements
3. Complete work processes	3.1 Final inspection is made to ensure work is to workplace expectations and panel or component is presented ready for use 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored 3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures 3.4 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:	locate specifications and relevant information efficiently.
Writing skills to:	legibly and accurately fill out workplace documentation.
Oral communication skills to:	- clarify instructions and procedures - clearly report issues, defects and outcomes.
Numeracy skills to:	interpret numerical information in specifications, and record it accurately.

Skills	Description
Planning and organising skills to:	plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Problem solving skills to:	identify repair problems and avoid rework and waste.
Teamwork skills to:	seek advice and use strengths of authorised personnel and team members in carrying out repair process.
Technology skills to:	use specialist tools and equipment.

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>Tools and equipment</i> must include:	- personal protective equipment (PPE) - PDR hand tools - lighting.
<i>PDR methods</i> must include:	- pushing - pressing - reforming - levering - pulling - gluing - suction cups.
<i>Safety requirements</i> must include:	- work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: - selecting and using PPE - manually handling vehicle body panels.

Unit Mapping Information

Equivalent to AURVTN3013 Carry out paint-less dent repairs

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 AURVTN013 Carry out paint-less dent repairs on vehicle body panels

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Performance Evidence

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

- carry out paint-less dent repairs (PDR) on ten different vehicle body panels, in which the work must involve completing PDR on one panel with shallow dents to a minimum dimension of 20 mm diameter x 2 mm depth.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to carrying out PDR on vehicle body panels, including procedures for:
 - selecting and using personal protective equipment (PPE)
 - manually handling vehicle body panels
- PDR methods and techniques, including:
 - type and use of PDR tools, lighting equipment, and paint polishing materials
 - trim removal processes
 - paint film build and its effects on PDR
 - PDR push to paint surface
 - paint finishes, including peel and texture
 - paint fractures and delamination
 - corrosion prevention resulting from PDR
 - types of dents appropriate to PDR method
- PDR techniques, including pushing, pressing, reforming, levering, pulling, gluing, and suction cups
- PDR finish and quality standard

- procedures for final inspection of completed PDR repairs.

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 PDR repairs they have carried out, 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
- vehicles, panels and components requiring PDR as specified in the performance evidence
- tools, equipment and materials appropriate for carrying out paint-less dent repairs, including required PPE.

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