



Australian Government

AURTTY001 Repair vehicle chassis, frame and associated components

Release: 1

AURTTY001 Repair vehicle chassis, frame and associated components

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect, repair and align chassis, frame and components to vehicles. It involves preparing for the task, selecting and using specialist tools and equipment, identifying damage, taking pre-repair measurements, conducting repairs, taking post-repair measurements according to original equipment manufacturer (OEM) or authorised agency specifications, 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

Mechanical Miscellaneous

Unit Sector

Technical - Chassis and Frame

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 repair vehicle chassis, frame and associated components	1.1 Job requirements are determined from workplace instructions 1.2 Type of damage is identified, and inspection report is completed and documented according to workplace procedures

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.
	<p>1.3 Repair specifications from OEM or authorised agency are sourced and interpreted</p> <p>1.4 Hazards associated with the work are identified and risks are managed</p> <p>1.5 <i>Repair tools and equipment</i> and personal protective equipment (PPE) are selected and checked for serviceability</p> <p>1.6 Work is planned to identify repair methods, minimise waste and use time efficiently</p>
2. Carry out repairs	<p>2.1 Repair or replacement and alignment activities are carried out according to OEM or authorised agency repair specifications, workplace procedures, and <i>safety and environmental requirements</i>, within industry time lines, and without causing damage to other vehicle components or systems</p> <p>2.2 Measuring equipment is used to take accurate measurements and to align the chassis, frame and components</p>
3. Complete work processes	<p>3.1 Final inspection is made to ensure work meets workplace expectations and vehicle is presented ready for use</p> <p>3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected and stored</p> <p>3.3 Tools and equipment are checked, reported if faulty, and stored according to workplace procedures</p> <p>3.4 Workplace documentation is processed according to workplace procedures</p>

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:	<ul style="list-style-type: none"> locate appropriate sources of information efficiently.
Writing skills to:	<ul style="list-style-type: none"> legibly and accurately fill out workplace documentation.
Oral communications skills to:	<ul style="list-style-type: none"> ask questions to clarify instructions and procedures clearly report issues or outcomes relating to repair.

Skills	Description
Numeracy skills to:	<ul style="list-style-type: none"> use basic mathematical operations, including addition and subtraction, to calculate tolerances from manufacturer specifications interpret repair and alignment measurements.
Planning and organising skills to:	<ul style="list-style-type: none"> plan own work requirements and prioritise actions to achieve required outcomes and ensure tasks are completed within workplace timeframes.
Technology skills to:	<ul style="list-style-type: none"> correctly and safely use specialist repair equipment and tools.

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>Repair tools and equipment</i> must include:	<ul style="list-style-type: none"> hydraulic repair equipment measuring and alignment equipment.
<i>Safety and environmental requirements</i> must include:	<ul style="list-style-type: none"> work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: <ul style="list-style-type: none"> selecting and using PPE using specialist tools and equipment identifying workplace hazards environmental requirements, including procedures for trapping, storing and disposing of waste materials.

Unit Mapping Information

Equivalent to AURTTY3001 Repair chassis, frame and associated components

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>