



Australian Government

AURVTA3002 Remove and replace supplementary restraint systems

Release 1

AURVTA3002 Remove and replace supplementary restraint systems

Modification History

Release	Comment
Release 1	Replaces AURV327164A Remove and replace supplementary restraint systems (SRS) 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 remove and replace units/assemblies, such as air bags located in steering wheel assemblies, dash panelling, doors and other locations. 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 identification and confirmation of work requirement, preparation for work, the deactivation and removal of systems, the replacement and recommissioning of systems and completion of work finalisation processes, including clean-up and documentation. This unit covers removal and replacement of supplementary restraint systems located in steering wheel assemblies, dash panelling, doors and other locations. 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 the job requirements, including method, materials and equipment. 1.2. Job specifications are read and interpreted. 1.3. WHS requirements, including personal protection needs are observed throughout the work. 1.4. Material for removal and replacement is selected. 1.5. Equipment and tooling are identified and checked for safe and effective operation. 1.6. Procedures are determined to minimise waste material. 1.7. Procedures are identified for maximising energy efficiency while completing the job.
2. Deactivate and remove supplementary restraint systems	2.1. Information is accessed and interpreted from manufacturer/ component supplier specifications. 2.2. The supplementary restraint system is deactivated and removed using approved methods, tooling and equipment. 2.3. The system is deactivated and removed without causing damage to any component or system. 2.4. Deactivation and removal activities are carried out according to industry regulations/guidelines, WHS legislation, and enterprise procedures/policies. 2.5. System/components are tagged and stored to manufacturer/ component supplier and workplace standards.
3. Replace and recommission supplementary restraint systems	3.1. Information is accessed and interpreted from manufacturer/ component supplier specifications. 3.2. Supplementary restraint systems are replaced and recommissioned using approved methods, tooling and equipment. 3.3. Replacement and recommissioning are completed without causing damage to any component or system. 3.4. Replacement and recommissioning activities are carried out according to industry regulations/guidelines, WHS legislation, and enterprise procedures/policies. 3.5. Workplace/equipment documentation is completed and processed to enterprise/manufacturer/component supplier requirements.

ELEMENT	PERFORMANCE CRITERIA
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 and environmental procedure. 4.3. Equipment and work area are cleaned and inspected for serviceable condition in accordance with workplace procedures. 4.4. Unserviceable equipment is tagged and faults identified in accordance with workplace requirements. 4.5. Operator maintenance is completed in accordance with manufacturer/component supplier specifications and worksite 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 deactivation, removing, replacing and recommissioning supplementary restraint systems
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with worksite supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including preparation and layout of worksite and 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
- establish safe and effective work processes which anticipate and/or resolve problems and downtime, to systematically develop solutions to avoid or minimise reworking and avoid wastage
- use mathematical ideas and techniques to calculate time, assess tolerances, apply accurate measurements, calculate material requirements and establish quality checks
- use workplace technology related to removal and replacement of supplementary restraint systems, including the use of specialist tooling, 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
- deactivation and recommissioning procedures for supplementary restraint systems
- removal and replacement procedures for supplementary restraint systems
- use of tooling and equipment
- 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 involved in or affected by the work • selecting methods and techniques appropriate to the circumstances • completing preparatory activity in a systematic manner • deactivation, removal, replacement and recommissioning of not less than two supplementary restraint systems, of which one is to be steering wheel based (for those utilising <i>Steering and Suspension</i> descriptors, one system which is steering wheel based is sufficient) • completing workplace/equipment documentation.
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 removal and replacement of supplementary restraint systems • equipment, hand and power tooling appropriate to removal and replacement of supplementary restraint systems • 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

EVIDENCE GUIDE

	accuracy of performance together with application of underpinning knowledge. • 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 competence 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.
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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.

Critical precautions

Critical precautions include:

- manufacturer/component supplier procedures which must be applied, as poor working practices are likely to damage the electronic system ECU and/or other components.

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 tooling 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, SRS deactivation, electrical safety, machinery movement and operation, manual and mechanical lifting and shifting, working in proximity to others and worksite 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 worksite evacuation.

Environmental requirements

Environmental requirements are to include but are not limited to waste management, noise, dust and clean-up management.

RANGE STATEMENT	
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.
Tooling and equipment	Tooling and equipment may include hand tooling, electrical test meters, and special equipment for removal and replacement of systems.
Materials	Materials may include system consumables and cleaning materials.
Communications	Communications are to include, but are not limited to verbal and visual instructions and fault reporting and may include worksite 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 removal and replacement of supplementary restraint systems • regulatory/legislative requirements pertaining to automotive industry, including Australian Design Rules • engineer's design specifications and instructions • organisation work specifications and requirements • instructions issued by authorised enterprise or external persons • Australian Standards.

Unit Sector(s)

Unit sector	Vehicle Body
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Co-requisite units

Not applicable.

Competency field

Competency field	Technical
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