



Australian Government

AURHTA2003 Remove and replace heavy commercial vehicle ancillary components and accessories

Release 1

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Modification History

Release	Comment
Release 1	New unit of competency

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes required to remove, replace and make adjustments to heavy commercial vehicle ancillary components and accessories. It involves the ability to understand equipment specifications and to use tools and equipment to remove, fit and adjust heavy commercial vehicle ancillary components and accessories to required standards. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
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Application of the Unit

Application of the unit	This unit applies to individuals who undertake the removal, replacement, fitting and adjustment of ancillary components, equipment and accessories in heavy commercial vehicle retail, service and repair environments. Work applies to all types of heavy commercial vehicles and road transport vehicles.
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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. 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 requirements are identified and confirmed 1.2. Workplace health and safety (WHS) requirements and other appropriate precautions are identified and taken 1.3. Procedures and information, such as workshop manuals, are sourced 1.4. Method options are analysed and those most appropriate to the circumstances are selected 1.5. Tools and equipment required for the task are selected and prepared
2. Remove and inspect ancillary components or accessories	2.1. Ancillary components or accessories for removal are identified 2.2. Method for removal is implemented according to manufacturer and component supplier specifications 2.3. Ancillary components and accessories are removed without damage 2.4. Ancillary components and accessories are inspected 2.5. Workplace documentation is compiled according to workplace procedures
3. Fit, test and adjust ancillary components or accessories	3.1. Ancillary components and accessories for fitting are identified 3.2. Fitting is implemented according to manufacturer and component supplier specifications 3.3. Ancillary components or accessories are adjusted according to manufacturer and component supplier specifications 3.4. Post-fitting testing is performed to ensure integrity of work carried out 3.5. Further adjustments are made where necessary on conclusion of testing
4. Clean up work area and finalise work processes	4.1. Final inspection is made to ensure work is to workplace expectations and motorcycle is presented ready for use 4.2. Tools and equipment are checked and stored according to workplace expectations 4.3. Workplace documentation is processed according to workplace procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- communication skills to:
 - communicate effectively regarding work requirements with supervisor or other workers
 - report work outcomes and problems
- literacy skills to:
 - read information relating to work orders, including common industry terminology, and accessory and component assembly plans and fitting instructions
 - read to the level required to understand work plans and workplace safety procedures
 - prepare written reports
- numeracy skills to correctly interpret metric and imperial systems of measurement
- planning and organising skills to:
 - identify risk factors to minimise risk
 - contribute to activities that implement and follow standard workplace procedures
- problem-solving skills to:
 - identify technical and procedural problems
 - refer problems outside area of responsibility to appropriate person
- self-management skills to:
 - locate and identify appropriate tools and equipment
 - recognise limitations and seek timely advice
- teamwork skills to apply knowledge of own role to support workplace activities and tasks
- technical skills to:
 - select tools and equipment appropriate to the task
 - use tools and equipment to remove and replace ancillary components and accessories of heavy commercial vehicles
- technology skills to use tools and equipment to assist with work practices

Required knowledge

- WHS requirements, including personal safety requirements, relevant to working with heavy commercial vehicles
- types, function, application and operation of tools and equipment used for removing and replacing heavy commercial vehicle ancillary components and accessories
- removal and replacement procedures of heavy commercial vehicle ancillary components and accessories
- testing procedures and adjustment methods relating to heavy commercial vehicle ancillary components and accessories
- workplace documentation policies and procedures

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

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy all of the requirements of the performance criteria and required skills and knowledge.

A person who demonstrates competency in this unit must be able to:

- observe safety procedures and requirements
- select removal, replacement, inspection and adjustment methods and techniques appropriate to the circumstances
- conduct a minimum of three different removal, replacement and adjustment according to workplace, manufacturer and component supplier instructions or requirements
- confirm effectiveness of work relating to component or accessory removal or replacement
- complete workplace documentation requirements relevant to tasks.

Context of, and specific resources for assessment

Competency is to be assessed in the workplace or a simulated workplace environment that accurately reflects performance in a real workplace setting.

Assessment is to occur:

- using standard workplace practices and procedures
- following safety requirements
- applying environmental constraints.

Assessment is to comply with relevant:

- regulatory requirements
- Australian standards
- industry codes of practice.

The following resources should be made available:

- operational heavy commercial vehicles and a range of suitable components or accessories
- equipment, hand and power tools and specialised heavy commercial vehicle tools and equipment appropriate for the removal and replacement of heavy commercial vehicle

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

- components and accessories
- technical specifications and standards.

Method of assessment

Assessment must satisfy the endorsed Assessment Guidelines of this Training Package.

Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with the application of required skills and knowledge.

Assessment methods must be by direct observation of tasks and include questioning on required skills and knowledge to ensure correct interpretation and application.

Competence in this unit may be assessed in conjunction with other units which together form part of a holistic work role.

Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate the needs of diverse clients.

Assessment processes and techniques must be culturally sensitive and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.

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. 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.

Work requirements may include:

- verbal, written and graphical instructions
- written maintenance procedures
- service instructions
- product assembly instructions
- manufacturer design specifications and installation instructions.

Workplace health and safety (WHS) requirements:

- are those prescribed under legislation, regulations, codes of practice, and workplace policies and procedures
- may include:
 - protective clothing and equipment
 - use of tools and equipment
 - handling of material
 - use of fire-fighting equipment
 - first aid equipment
- hazard control, including control of hazardous materials and toxic substances.

Tools and equipment may include:

- hand tools
- hand-held power tools and air tools
- garage equipment.

Ancillary components or accessories may include:

- rear-view mirrors
- mudguards and mudflaps
- lighting system ancillary components
- dust deflectors
- reflectors
- trim ancillary components
- audio ancillary components
- seat covers
- adhesive signage and stickers
- exhaust system ancillary components
- wheel trims and hubcaps
- heat shields
- floor mats and carpet.

Workplace documentation may include:

- job cards or work schedules
- work bulletins
- reporting and recording procedures

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	• organisational quality policies and procedures • memos • material safety data sheets (MSDS) • regulatory and legislative requirements relating to heavy commercial vehicle safety • organisational work specifications and requirements • Australian standards.
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Unit Sector(s)

Competency field	Mechanical – Heavy Vehicle
Unit sector	Technical

Custom Content Section

Not applicable.