



**Australian Government**

# **AURHTA001 Carry out heavy vehicle pre-repair cleaning**

**Release: 1**

# AURHTA001 Carry out heavy vehicle pre-repair cleaning

## Modification History

| Release   | Comment                 |
|-----------|-------------------------|
| Release 1 | New unit of competency. |

## Application

This unit describes the performance outcomes required to clean a heavy vehicle body and its major components before beginning repairs. It involves preparing for the task, cleaning the vehicle body and components by mechanical or chemical means, and completing workplace processes and documentation.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry. The unit is designed for use in a highly supervised context and is not suitable for use in a vocational qualification.

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

## Competency Field

Mechanical - Heavy Vehicle

## Unit Sector

Technical

## 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 undertake pre-repair cleaning | 1.1 Task instructions are interpreted and vehicle, area of vehicle body or components to be worked on are identified<br>1.2 Cleaning procedures and information are sourced and interpreted                 |

| <b>Elements</b>                           | <b>Performance Criteria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Cleaning options are analysed and those most appropriate to the circumstances are selected</p> <p>1.4 Potential hazards and risks associated with the task are identified and reported to workplace supervisor</p> <p>1.5 Cleaning tools, equipment and materials are selected and checked for serviceability</p>                                                                                                                                                                                                                                                                   |
| 2. Clean vehicle body and components      | <p>2.1 Area of vehicle body to be worked on is cleaned according to manufacturer specifications, workplace procedures, and <b>safety and environmental requirements</b>, and without causing damage to components or systems</p> <p>2.2 Vehicle components are cleaned according to manufacturer specifications, workplace procedures, and safety and environmental requirements, and without causing damage to components or systems</p> <p>2.3 Used cleaning agents and waste materials are disposed of according to workplace procedures, and safety and environmental requirements</p> |
| 3. Complete work processes                | <p>3.1 Final inspection is made to ensure work meets task instructions and workplace standards</p> <p>3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected</p> <p>3.3 Tools and equipment are checked 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.

| <b>Skills</b>       | <b>Description</b>                                                                                                                                                                                                                            |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Learning skills to: | <ul style="list-style-type: none"> <li>locate appropriate information.</li> </ul>                                                                                                                                                             |
| Reading skills to:  | <ul style="list-style-type: none"> <li>interpret key information from manufacturer specifications, workplace procedures, and safety and environmental requirements relating to cleaning a heavy vehicle body and major components.</li> </ul> |

| Skills                        | Description                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Writing skills to:            | <ul style="list-style-type: none"> <li>legibly and accurately fill out workplace documentation using correct industry terminology and conventions.</li> </ul>                                                                |
| Oral communication skills to: | <ul style="list-style-type: none"> <li>participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.</li> </ul>                                     |
| Numeracy skills to:           | <ul style="list-style-type: none"> <li>use basic mathematical operations, including addition and subtraction, to interpret volumes and calculate chemical mixing requirements for preparation of cleaning agents.</li> </ul> |

## 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.

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>Safety and environmental requirements</i></b> must include: | <ul style="list-style-type: none"> <li>work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: <ul style="list-style-type: none"> <li>selecting and using personal protective equipment (PPE)</li> <li>using cleaning tools and equipment</li> <li>safely handling cleaning agents</li> <li>controlling hazards, including hazardous materials and toxic substances</li> </ul> </li> <li>environmental requirements, including procedures for trapping, storing and disposing of cleaning agents and contaminants.</li> </ul> |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Unit Mapping Information

Equivalent to AURHTA1001 Carry out heavy vehicle pre-repair operations

## 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 AURHTA001 Carry out heavy vehicle pre-repair cleaning

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| Release 1 | New unit of competency. |

## 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:

- clean three of the following heavy vehicle systems or components:
  - vehicle body
  - engine
  - transmission
  - final drive
  - steering and suspension system
  - wheels and hubs
  - chassis
  - electrical component
  - fuel system component
- use chemical cleaning when cleaning one of the above systems or components.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) relating to heavy vehicle pre-repair cleaning, including procedures for:
  - selecting and using personal protective equipment (PPE)
  - using cleaning tools and equipment
  - safely handling cleaning agents
  - controlling hazards, including hazardous materials and toxic substances
- environmental requirements, including procedures for trapping, storing and disposing of cleaning agents and contaminants

- cleaning procedures, techniques and materials appropriate for mechanical and chemical components, and relevant to the task instructions
- protective treatment and storage procedures for cleaned heavy vehicle components.

## 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 or third-party observation of tasks.

Where assessment of competency includes third-party observation, individuals must provide evidence that links them to the heavy vehicles or components that they have cleaned before repair, 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 workplace or simulated workplace
- workplace instructions
- manufacturer cleaning material specifications
- heavy vehicle systems and components specified in the performance evidence requiring pre-repair cleaning
- cleaning equipment, cleaning agents, materials and tools appropriate for pre-repair cleaning.

## Links

Companion Volume implementation guides are found in VETNet -

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