



**Australian Government**

# **PMBPROD266 Prepare tyre casings for retreading**

**Release: 1**

# PMBPROD266 Prepare tyre casings for retreading

## Modification History

Release 1. Supersedes and is equivalent to PMBPROD266B Prepare tyre casings for retreading

## Application

This unit of competency covers the skills and knowledge required to prepare used tyres for the laying on of retread.

This unit of competency applies to operators who are required to check materials and machine set-up, buff residual tread from the casing, make repairs to the casing, and recognise routine and non-routine problems and take appropriate action.

This unit of competency applies to an individual working alone or as part of a team or group and working in liaison with other shift team members, team leader and supervisor, as appropriate.

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

## Pre-requisite Unit

Nil

## Competency Field

Production

## Unit Sector

Not applicable

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	<b>Check work requirements</b>	1.1	Identify work requirements from production plan
		1.2	Identify specific requirements of the tyre being retreaded
		1.3	Identify required equipment, including handling, buffing, inspection and repair equipment
		1.4	Ask questions of appropriate person to confirm unusual

- practice
- 1.5 Identify hazards associated with the job and take appropriate action
  - 1.6 Perform other pre-operational checks in accordance with procedures
- 2 **Start up of tyre buffer to procedures**
    - 2.1 Conduct pre-start checks
    - 2.2 Start up tyre buffer
- 3 **Operate buffing equipment to procedures**
    - 3.1 Start machine safely and correctly when required
    - 3.2 Monitor buffing operations noting process stages, depth of cut (according to standard operating procedures) and abrasion
    - 3.3 Check against workplace standards for colour and texture before completing process
    - 3.4 Make adjustments to remedy non-conformity to buffing requirements
    - 3.5 Buzz out areas around exposed steel radials with hand held stone grinder
    - 3.6 Collect and reprocess/discard scrap/trim and other materials, as required
    - 3.7 Keep equipment and work area clean
    - 3.8 Pause machine cycle and perform stop, as required
- 4 **Repair imperfections**
    - 4.1 Locate casing imperfections from previous inspection
    - 4.2 Repair casings (especially exposed steel areas) with rubber plugs in accordance with standard operating procedures
    - 4.3 Complete logs and records as required
- 5 **Complete**
    - 5.1 Check casings for compliance with specifications

<b>operations</b>	5.2	Create job card, tyre ID and other tracking/information items needed as specified by procedures
	5.3	Adhere the metal tag/s to the tyre wall with uncured rubber
6	<b>Respond to routine problems to procedures</b>	6.1
		6.2
		6.3
		6.4

## Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different 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.

**Regulatory framework** The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used.

Applicable legislation, regulations, standards and codes of practice include:

- health, safety and environmental (HSE) legislation, regulations and codes of practice relevant to the workplace, equipment and production processes and hazardous materials
- Australian/international standards relevant to the materials being used and products being made
- any relevant licence and certification requirements.

All operations to which this unit applies are subject to stringent HSE

requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and such requirements the legislative requirements take precedence.

**Procedures** All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or any combination of:

- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant.

**Tools and equipment**

Tools and equipment include:

- tyre buffing machine
- ancillary equipment that is integral to the process.

Additional tools and equipment will be selected as required from:

- knives and other bag opening equipment
- bung spanners
- hand tools
- hoists/lifting equipment not requiring any special permits or licences
- manual handling aids, such as hand carts and trolleys
- hoists/lifting equipment not requiring any special permits or licences
- relevant personal protective equipment (PPE).

**Hazards**

Hazards must be identified and controlled. Identifying hazards requires consideration of:

- weight, shape, volume of materials to be handled
- hazardous products and materials
- knives, blades and cutting tools
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- rotational equipment or vibration

- high temperatures
- smoke, dust, vapours or other atmospheric hazards
- electricity
- gas
- gases and liquids under pressure
- structural hazards
- equipment failures
- machinery, equipment and product mass
- other hazards that might arise.

### **Routine problems**

Routine problems must be resolved by applying known solutions.

Routine problems are predictable and include one or more of:

- variations in tyres
- contamination of tyres
- damaged tyres
- wrong raw materials
- inappropriate blade selection
- insufficient or too deep buffing.

Known solutions are drawn from one or more of:

- procedures
- training
- remembered experience.

Non-routine problems must be reported according to according to relevant procedures.

## **Unit Mapping Information**

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### **Links**

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>

