



Australian Government

PMBPROD338E Repair heavy off-the-road tyres

Release: 1

PMBPROD338E Repair heavy off-the-road tyres

Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD338 Repair heavy off-the-road tyres.

Application

This unit covers the skills and knowledge required to repair heavy off-the-road tyres. It applies to tyres defined by AS 4457.2-2008 Earth-moving machinery – Off-the-road wheels, rims and tyres – Maintenance and repair – Tyres (or its replacement) or similar tyres.

This unit applies to an individual working alone or as part of a team.

The unit principally refers to the practical, theoretical and technical knowledge and well-developed skills required in situations that require some discretion and judgement.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – Tyres

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for job	1.1 Move tyre into position in preparation for tyre repair 1.2 Secure tyre ready for repair 1.3 Determine repair stock and cure time required from injury dimensions 1.4 Select required patches and rubber repair stock to meet repair requirements 1.5 Select, check and prepare tooling required to perform repair 1.6 Acclimate required repair products according to supplier recommendation

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.7 Check and wear required personal protective equipment (PPE)
2. Prepare substrates	2.1 Prepare surfaces in readiness for repair 2.2 Apply adhesive to repair surfaces as required by repair process 2.3 Allow surfaces to 'prime' in preparation for repair
3. Repair injury	3.1 Choose repair materials to meet repair requirements 3.2 Check compatibility of materials with repair type 3.3 Check maximum pre-heating temperatures for materials being used 3.4 Repair tyre components as required according to workplace procedures 3.5 Fill tyre injury according to workplace procedures
4. Patch injury	4.1 Review patch size to ensure adequate coverage for job 4.2 Remove inner liner in preparation for patching 4.3 Prepare surfaces in preparation for patching 4.4 Correctly prepare patch for application 4.5 Install patch according to workplace procedures 4.6 Follow pressurisation or curing instructions for patching of injury
5. Complete repair	5.1 Prepare injury for curing 5.2 Accurately complete required paperwork 5.3 Complete housekeeping and apply waste management strategies according to workplace procedures
6. Anticipate and solve process control variances	6.1 Recognise existing or potential process control variances and their causes 6.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes 6.3 Monitor process control variances and corrective actions taken until resolved 6.4 Accurately maintain records and logbooks

Foundation Skills

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

- Numeracy skills to interpret technical information.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on tyre repair operations.

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

Unit Mapping Information

Supersedes and is equivalent to PMBPROD338 Repair heavy off-the-road tyres.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>