



Australian Government

AURTTB012 Attach friction materials and radius grind

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the skills and knowledge required to attach brake and clutch friction materials using bonding, riveting or screwing methods and radius grind brake shoes. It involves preparing for the task, selecting and attaching friction material, radius grinding, and completing workplace processes and documentation.

This unit applies to those working within the automotive vehicle body repair industry. The friction materials include those in vehicles from all sectors of the industry.

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

Unit Sector

Technical - Brakes

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 to attach friction materials	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret friction material attaching procedures and information in order to identify friction material attaching options required for the job 1.3 Identify hazards and environmental issues, assess potential risks and implement control measures in line with workplace policies 1.4 Identify tools and equipment required for the job and examine for serviceability 1.5 Measure components and evaluate against manufacturer specifications 1.6 Identify and prepare components for bonding or riveting according to workplace procedures, workplace health and safety

	and environmental requirements
2. Attach friction materials	2.1 Identify and prepare friction materials to be attached according to workplace procedures, workplace health and safety, and environmental requirements 2.2 Attach friction materials to components according to manufacturer specifications, workplace procedures, workplace health and safety and environmental requirements
3. Radius grind brake shoes	3.1 Obtain and interpret radius grinding procedures from manufacturer specifications 3.2 Radius grind brake shoes according to manufacturer specifications, workplace procedures, workplace health and safety and environmental requirements 3.3 Measure brake shoes against manufacturer specifications and according to workplace procedures and rectify any issues identified 3.4 Test brake shoes according to workplace procedures, workplace health and safety and environmental requirements
4. Complete work processes	4.1 Carry out final inspection to ensure work is to workplace expectations and components are ready for use or stored according to workplace procedures 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Examine and store tools and equipment according to workplace procedures 4.4 Complete documentation according to workplace procedures

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.

Skills	Description
Learning skills to:	locate relevant sources of friction attaching material and radius grinding information efficiently
Reading skills to:	read and interpret information from workplace procedures and documentation on safe operating procedures for attaching friction materials and using radius grinding machinery
Writing skills to:	legibly and accurately fill out workplace documentation when making recommendations and recording parts and material used
Oral communication skills to:	- clarify instructions - report findings

	• make recommendations
Numeracy skills to:	• measure components • use basic mathematical operations, including addition and subtraction • calculate tolerances and deviations from manufacturer specifications
Problem solving skills to:	• identify risk factors and take action to minimise risk
Technology skills to:	• use radius grinding machinery • use measuring equipment including tape measures, rulers and vernier calipers

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AURTTB012 Attach friction materials and radius grind (Release 1)	AURTTB002 Attach friction materials and radius grind (Release 1)	Wording changes to ensure compliance with Standards for Training Packages. Minor additions to performance criteria. Removal of references to OHS requirements. Removal of range of conditions. Addition of assessor requirements.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>