



Australian Government

Assessment Requirements for AURTTB012 Attach friction materials and radius grind

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

The candidate must demonstrate they can perform the following according to the standards defined in the elements, performance criteria and foundation skills of this unit.

The candidate must attach friction materials to and radius grind the following two vehicle components:

- one set of brake shoes
- one clutch plate
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Knowledge Evidence

The candidate must demonstrate the following knowledge:

Key policies and procedures for attaching friction materials and radius grinding including:

- how to locate and interpret manufacturers specifications or equivalent information and workplace procedures for attaching friction materials and radius grinding
- the following workplace health and safety requirements relating to attaching friction materials and radius grinding:
 - procedures for working with brake machining equipment
 - selecting and using personal protective equipment (PPE)
 - procedures for handling and controlling brake dust
- the following technical information relating to attaching friction materials and radius grinding including:
 - material selection procedures
 - procedures for preparing components for friction material attachment:
 - friction material removal procedures
 - component cleaning procedures
 - friction material shaping and sizing procedures
 - procedures for attaching friction materials:
 - bonding

- riveting
- procedures for radius grinding brake shoes
- environmental procedures for trapping, storing and disposing of brake dust produced during radius grinding
- workplace housekeeping and documentation procedures

Attaching friction materials and radius grinding technical information, including:

- coefficient of friction
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Assessment Conditions

The assessment must:

- include access to:
 - an automotive repair workplace or simulated workplace that reflects workplace conditions - where simulation is used, it must reflect real working conditions by modelling industry operating conditions and contingencies, as well as, using suitable facilities, equipment and resources
 - repair orders and workplace instructions relating to attaching friction materials and radius grinding activity
 - workplace procedures relating to attaching friction materials and radius grinding activity
 - manufacturer specifications or equivalent documentation for attaching friction materials and for radius grinding
 - PPE for attaching friction materials and radius grinding
 - brake shoes and clutch plate requiring friction material attachment and radius grinding
 - bonding and riveting materials
 - radius grinding machinery
 - equipment, hand and power tooling suitable for attaching friction materials and radius grinding
- be demonstrated in the workplace or in a simulated environment that reflects workplace conditions
- be conducted in a safe environment
- be assessed in compliance with relevant policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances

Assessor Requirements

Assessors of this unit must:

satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards

Links

Companion Volume Implementation Guides are found in VETNet -

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