



Australian Government

Assessment Requirements for AURTTB002 Attach friction materials and radius grind

Release: 1

Assessment Requirements for AURTTB002 Attach friction materials and radius grind

Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- attach friction materials to and radius grind the following two vehicle components:
 - one set of brake shoes
 - one clutch plate.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to attaching friction materials and radius grinding, including procedures for:
 - working safely with brake machining equipment
 - selecting and using personal protective equipment (PPE)
 - handling and controlling brake dust
- environmental requirements, including procedures for trapping, storing and disposing of brake dust produced during radius grinding
- types and applications of friction materials used in brake and clutch applications, including:
 - coefficient of friction
 - material selection procedures
- procedures for preparing components for friction material attachment, including:
 - friction material removal procedures
 - component cleaning procedures
 - friction material shaping and sizing procedures
- procedures for attaching friction materials, including:

- bonding
- riveting
- procedures for radius grinding brake shoes.

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 observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles or components that they have worked on, 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:

- mechanical repair workplace or simulated workplace
- workplace instructions
- PPE for attaching friction materials and radius grinding
- manufacturer specifications and workplace procedures for attaching friction materials and for 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 appropriate for attaching friction materials and radius grinding.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>