



**Australian Government**

# **Assessment Requirements for AURTTB003 Machine brake drums and brake disc rotors**

**Release: 1**

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## 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:

- machine the four disc rotors of a four wheel disc brake system
- machine the two brake drums of a rear drum brake system or all four brake drums of a four wheel drum brake system.

## Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to machining brake drums and brake disc rotors, including procedures for working safely with brake machining equipment
- environmental requirements, including procedures for trapping, storing and disposing of metal swarf produced during machining
- measuring and evaluation procedures for brake drums and brake disc rotors, including:
  - using vernier calipers, micrometers, brake drum micrometers and dial gauge indicators
  - visual inspection procedures for brake drums and brake disc rotors
- application, purpose and operation of brake drum and brake disc rotor machining equipment, including:
  - off-vehicle machining
  - on-vehicle machining.

## 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 brake drums and brake disc rotors that they have machined, 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:

- automotive repair workplace or simulated workplace
- workplace instructions
- brake drum and brake disc rotor manufacturer specifications
- brake drums and brake disc rotors requiring machining as specified in the performance evidence
- brake drum and brake disc rotor machining equipment
- measuring equipment for light vehicle braking systems, including:
  - vernier calipers
  - micrometers
  - brake drum micrometers
  - dial gauge indicators.

## Links

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

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