



Australian Government

Assessment Requirements for AURTTB013 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

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 demonstrate evidence of machining the following:

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

The candidate must demonstrate the following knowledge:

Key policies and procedures for machining brake drums and brake disc rotors including:

- how to locate and interpret manufacturer specifications or equivalent documentation and workplace procedures relating to machining brake drums and brake disc rotors
- the following workplace health and safety requirements relating to machining brake drums and brake disc rotors:
 - procedures for working safely with brake machining equipment
- the following measurement and evaluation procedures for brake drums and brake disc rotors:
 - using vernier calipers, micrometers, brake drum micrometers and dial gauge indicators
 - visual inspection procedures for brake drums and brake disc rotors
- environmental procedures for trapping, storing and disposing of metal swarf produced during machining
- workplace housekeeping and documentation procedures

Machining brake drums and brake disc rotors technical information including:

- the purpose and operation of the following brake drum and brake disc rotor machining equipment:

- off-vehicle machining
- on-vehicle machining
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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 machining brake drums and brake disc rotors activity
 - workplace procedures relating to machining brake drums and brake disc rotors activity
 - manufacturer specifications or equivalent documentation for machining brake drums and brake disc rotors
 - 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 and dial gauge indicators
- 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
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Links

Companion Volume Implementation Guides are found in VETNet -

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