



**Australian Government**

# **Assessment Requirements for AURTTB101 Inspect and service braking systems**

**Release: 1**

# Assessment Requirements for AURTTB101 Inspect and service braking systems

## Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- inspect and service the brakes of at least two different vehicles or machinery, in which the work for each must involve inspecting and servicing at least one of the following:
  - disc braking system
  - drum braking systems
- complete dynamic and static testing.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to inspect and service brakes, including:
  - vehicle manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to inspect and service brakes, including:
  - inspecting and servicing brakes
  - establishing the serviceability of tools and equipment
  - documentation procedures
  - housekeeping procedures, including:
    - examination of tools and equipment
    - storage of equipment
    - identification, tagging and isolation of faulty equipment
    - disposal of excess materials
    - recycling procedures
- workplace health and safety (WHS) requirements relating to inspecting and servicing braking systems, including procedures for:

- lifting and supporting vehicles or machinery
- managing and controlling brake dust and brake fluids
- environmental requirements relating to inspecting and servicing braking systems, including procedures for:
  - trapping, storing and disposing of brake dust and brake fluid released from braking systems
- identification and function of major braking components, including:
  - discs, pads and callipers
  - drums, brake linings, wheel cylinders and hydraulic components
  - master cylinder
  - hydraulic and vacuum brake booster
  - diesel engine vacuum brake booster pump
  - electric and manual park braking systems
- basic operation of braking systems, including:
  - hydraulic braking systems
  - mechanical braking systems
  - air over hydraulic systems
  - air braking systems
- types, applications and testing of brake hydraulic fluids
- inspection procedures for braking system components, including:
  - component wear analysis
  - brake fluid testing
- service and adjustment procedures for braking systems, including:
  - brake bleeding
  - brake adjustment
  - park brake adjustment
- post-service testing procedures for braking systems, including static and dynamic testing.

## Assessment Conditions

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 braking systems 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:

- automotive repair workplace or simulated workplace
- workplace instructions

- manufacturer braking system specifications
- two different vehicles or machinery with disc and drum braking systems requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing braking systems.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## **Links**

Companion Volume Implementation Guide is found on VETNet -

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