



Australian Government

Assessment Requirements for AURTTZ102 Diagnose and repair exhaust systems

Release: 1

Assessment Requirements for AURTTZ102 Diagnose and repair exhaust 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:

- diagnose and repair a fault in two different vehicles, in which the fault for each must involve a different exhaust system component from among the following:
 - exhaust manifold or extractor pipes
 - manifold gasket fitted to a vehicle
 - catalytic converter
 - muffler or resonator
 - exhaust pipe.

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 diagnose and repair exhaust systems, including:
 - information provided by customers and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to diagnose and repair exhaust systems, including:
 - establishing 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 diagnosing and repairing exhaust systems, including procedures for working with hot components and exhaust systems producing toxic gases
- environmental requirements relating to diagnosing and repairing exhaust systems
- operating principles of exhaust systems, including:
 - scavenging
 - back pressure
- purpose and operation of exhaust systems and components, including:
 - mufflers
 - extractor pipes
 - catalytic converters
 - diesel particulate filters
- diagnostic testing procedures for exhaust systems, including procedures for:
 - exhaust leak testing
 - vibration and noise locating procedures
 - back pressure testing
- repair procedures for exhaust systems, including procedures for removing, replacing and aligning components
- post-repair testing procedures for exhaust systems.

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 emission control 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 emission control system specifications
- two different vehicles or machinery with exhaust systems requiring servicing
- equipment, tools and materials appropriate for inspecting and servicing exhaust 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>