



Australian Government

Assessment Requirements for AURTTZ002 Diagnose and repair exhaust systems

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:

- diagnose and repair a fault in two of the following components in the exhaust systems of two different vehicles:
 - exhaust manifold or extractor pipes
 - manifold gasket fitted to a vehicle
 - catalytic converter
 - muffler or resonator
 - exhaust pipe.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to diagnosing and repairing exhaust systems, including procedures for working with hot components and exhaust systems producing toxic gases
- operating principles of features of exhaust systems and associated components, including scavenging and back pressure
- application, purpose and operation of exhaust systems and components, including:
 - mufflers
 - extractor pipes
 - catalytic converters
 - diesel particulate filters
- diagnostic testing procedures for exhaust systems, including:
 - 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

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 exhaust 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 exhaust system specifications
- two different vehicles with faults in the exhaust system components specified in the performance evidence
- diagnostic equipment for exhaust systems
- tools, equipment and materials appropriate for repairing exhaust systems, including metal heating equipment.

Links

Companion Volume implementation guides are found in VETNet -

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

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