



Australian Government

Assessment Requirements for AURHTL001 Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines

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:

- inspect, diagnose and repair alternative fuel systems in two different heavy vehicle engines.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting, diagnosing and repairing alternative fuel systems, including procedures for:
 - working with alternative fuel systems
 - selecting and using personal protective equipment (PPE)
- environmental requirements, including procedures for preventing fuel leakage from fuel systems
- operating principles of alternative fuel systems
- application, purpose and function of alternative fuel systems
- inspect and repair procedures for alternative fuel systems
- diagnostic testing procedures for alternative fuel systems
- post-repair testing procedures for alternative fuel 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 alternative fuel systems that they have inspected and repaired, 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 alternative fuel system specifications
- two different heavy vehicle engines with alternative fuel systems requiring repair
- diagnostic equipment for alternative fuel systems, including exhaust gas analyser
- repair tools, equipment and materials for alternative fuel systems in heavy vehicle engines.

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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