



Australian Government

Assessment Requirements for AURLTX003

Diagnose and repair light vehicle clutch 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:

- remove and refit a light vehicle manual transmission
- remove, refit or replace a light vehicle flywheel, clutch friction disc, clutch pressure plate assembly and release bearing.

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 light vehicle clutch systems, including procedures for:
 - lifting and supporting light vehicle transmissions
 - handling and controlling clutch dust and clutch fluid
- environmental requirements, including procedures for trapping, storing and disposing of brake dust and brake fluid released from clutch systems
- operating principles of light vehicle clutch systems and associated components, including coefficient of friction
- application, purpose and operation of light vehicle clutch systems and components, including:
 - wet and dry single and multi-plate clutch
 - dual mass flywheels
 - dampening systems
 - cable operated clutch
 - hydraulically operated clutch

- diagnostic testing procedures for light vehicle clutch systems, including road testing procedures
- repair procedures for light vehicle clutch systems , including procedures for removing, replacing and adjusting the systems
- post-repair testing procedures for light vehicle clutch 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 light vehicle clutch 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 light vehicle clutch system specifications
- light vehicle with manual transmission and with clutch system faults
- diagnostic equipment for light vehicle clutch systems
- tools, equipment and materials appropriate for repairing light vehicle clutch systems, including:
 - transmission lifting equipment
 - clutch aligning tool.

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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