



Australian Government

Assessment Requirements for AURLTX013

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

The candidate must demonstrate they can perform the following according to the standards defined in the elements, performance criteria and foundation skills of this unit.

The candidate must demonstrate a diagnosis and repair of light vehicle clutch system that safely follows workplace procedures to meet required outcomes. This includes demonstrating the ability to:

- remove and refit a light vehicle manual transmission
- diagnose and repair of a light vehicle clutch system in which the work must include removing, refitting or replacing the following components:
 - light vehicle flywheel
 - clutch friction disc
 - clutch pressure plate assembly
 - clutch pressure plate release bearing
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Knowledge Evidence

The candidate must demonstrate the following knowledge:

Key policies and procedures relating to the diagnosis and repair of light vehicle clutch systems including:

- how to locate and interpret manufacturer specifications and workplace procedures for the diagnosis and repair of light vehicle clutch systems
- the following workplace health and safety requirements for diagnosis and repair of light vehicle clutch systems:
 - safety procedures for lifting and supporting light vehicle transmissions
 - safety procedures handling and controlling clutch dust and clutch fluid
- the following environmental requirements for diagnosis and repair of light vehicle clutch systems:
 - procedures for trapping, storing and disposing of brake dust and brake fluid released from clutch systems

- the following diagnostic testing procedures for light vehicle clutch systems:
 - road testing procedures
- the following repair procedures for light vehicle clutch systems:
 - removing, replacing and adjusting the systems
- post-repair testing procedures for light vehicle clutch systems
- workplace housekeeping and documentation procedures

Key features of light vehicle clutch systems and associated components, including:

- the operating principles of:
 - coefficient of friction
- the purpose and operation of the following light vehicle clutch systems and components:
 - wet and dry single and multi-plate clutch
 - dual mass flywheels
 - dampening systems
 - cable operated clutch
 - hydraulically operated clutch
 - dual clutch systems
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Assessment Conditions

The assessment must:

- include access to:
 - an automotive repair workplace or simulated workplace that reflects workplace conditions - where simulation is used, it must reflect real working conditions by modelling industry operating conditions and contingencies, as well as, using suitable facilities, equipment and resources
 - repair orders and workplace instructions relating to diagnose and repair activity
 - workplace procedures relating to diagnose and repair activity
 - manufacturer light vehicle clutch systems specifications and procedures or equivalent documentation to complete diagnose and repair activity
 - 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
- be demonstrated in the workplace or in a simulated environment that reflects workplace conditions
- be conducted in a safe environment

- be assessed in compliance with relevant policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed
- confirm consistent performance can be applied in a range of relevant workplace circumstances

Assessor requirements

Assessors of this unit must:

- satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards
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Links

Companion Volume Implementation Guides are found in VETNet -

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