



Australian Government

**Assessment Requirements for AURLTX103
Diagnose and repair light vehicle clutch
systems**

Release: 1

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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 faults in the clutch system of a light vehicle, in which the work must involve:
 - removing and refitting a light vehicle manual transmission
 - removing, refitting or replacing each of the following components:
 - a light vehicle flywheel
 - clutch friction disc
 - clutch pressure plate assembly
 - release bearing
- carry out a diagnostic test in the course of the above for at least one of the following faults:
 - misadjusted cables or parts
 - worn or malfunctioning components
 - oil leakage or contamination.

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 light vehicle clutch systems, including:
 - information provided by customers and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to diagnose and repair light vehicle clutch 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 light vehicle clutch systems, including procedures for:
 - lifting and supporting light vehicle manual transmissions
 - handling and controlling clutch dust and clutch fluid
- environmental requirements relating to diagnosing and repairing light vehicle clutch systems, including procedures for trapping, storing and disposing of brake dust and brake fluids released from clutch systems
- operating principles of light vehicle clutch systems and associated components, including coefficient of friction
- 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 them
- post-repair testing procedures for light vehicle clutch 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 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.

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>