



Australian Government

Assessment Requirements for AURTTX102 Inspect and service manual transmissions

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:

- inspect and service the manual transmissions of at least two different vehicles or machinery.

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 inspect and service manual transmissions, including:
 - information provided by customer and supervisors
 - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to inspect and service manual transmissions, including:
 - establishing serviceability of tools and equipment
 - documentation procedures, including:
 - inspection findings and recommendations for required repairs or adjustments
 - housekeeping procedures, including:
 - examination of tools and equipment
 - storage of equipment
 - identification, tagging and isolation of faulty equipment
 - disposal of excess materials
 - recycling procedures
- work health and safety (WHS) requirements relating to inspecting and servicing manual transmissions, including procedures for handling transmission oils
- environmental requirements, including procedures for trapping, storing and disposing of oils released from transmissions
- identification and function of manual transmissions, including:

- major components
- gearshift mechanisms
- basic operation of manual transmissions, including:
 - transaxle
 - longitudinal transmission
 - transfer case
- types and applications of transmission oils
- inspection procedures for manual transmissions, including:
 - evaluating lubricant condition
 - carrying out visual inspections for damage or lubricant leaks
- service and adjustment procedures for manual transmissions, including:
 - replacing oils as required
 - inspecting and adjusting lubricant levels
 - adjusting linkages as required
- post-service testing procedures for manual transmissions.

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 manual transmissions 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 manual transmission specifications
- two different vehicles or machinery with manual transmissions requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing manual transmissions.

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>

