



Australian Government

Assessment Requirements for AURTTA105 Select and use bearings, seals, gaskets, sealants and adhesives

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:

- prepare and install:
 - at least two of the following bearing types:
 - roller type bearing
 - ball type bearing
 - plain type bearing
 - at least two different gaskets
 - at least two different seals
- select and use at least two different sealants and adhesives.

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 select and use bearings, seals, gaskets, sealants and adhesives:
 - manufacturer specifications, procedures and supporting information for preparing, inspecting and installing sealants and adhesives
 - manufacturer specifications, procedures and supporting information for preparing, inspecting and installing bearings, seals and gaskets
- workplace procedures required to select and use bearings, seals, gaskets, sealants and adhesives, including:
 - establishing the 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 selecting and using bearings, seals, gaskets, sealants and adhesives, including:
 - procedures for working safely with sealants and adhesives, lubricants and greases
- environmental requirements relating to selecting and using bearings, seals, gaskets, sealants and adhesives, including:
 - procedures for trapping, storing and disposing of excess materials produced when applying sealants and adhesives
 - procedures for trapping, storing and disposing of lubricants and greases released during work processes
- identification and function of:
 - bearings, including:
 - ball
 - roller
 - plain
 - seals, including:
 - lip
 - face
 - O ring
 - square section ring
 - metal surface
 - gaskets, including:
 - treated paper
 - cork
 - composite materials
 - metal, synthetic, rubber, fibre, and nylon
- types, characteristics, uses and limitations of sealants and adhesives, including application techniques
- inspection, service, installation and adjustment procedures, including:
 - bearings, including:
 - roller types
 - ball types
 - plain types
 - seals and sealing surface condition
 - gaskets
- types and applications of bearing lubricants and greases.

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 bearings, seals, gaskets, sealants and adhesives they have selected and used, 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 specifications relating to bearings, seals, gaskets, sealants and adhesives
- vehicle or equipment requiring the application of bearings, seals, gaskets, sealants and adhesives
- bearings, seals, gaskets, sealants and adhesives as specified in the performance evidence
- tools, equipment and material appropriate for installing bearings, seals and gaskets.

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>