



Australian Government

AURTTB015 Assemble and fit braking system components

Release: 1

AURTTB015 Assemble and fit braking system components

Modification History

| Release | Comment |
|-----------|-------------------------|
| Release 1 | New unit of competency. |

Application

This unit describes the skills and knowledge required to assemble and fit braking system components to vehicles. It involves preparing for the task, assembling and fitting brake components, post-fitting testing, and completing workplace processes and documentation.

It applies to those working in the automotive service and repair industry. The braking systems include those of vehicles in all sectors of the industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Technical - Brakes

Elements and Performance Criteria

| Elements | Performance Criteria |
|--|--|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare to assemble and fit braking system components | 1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret procedures and information for assembling and fitting braking system components to identify options required for the job 1.3 Identify hazards and environmental issues, assess potential risks and implement control measures in line with workplace policies 1.4 Identify tools and equipment required for the job and examine for serviceability |
| 2. Assemble and fit components | 2.1 Inspect components for suitability and report faults according to workplace procedures 2.2 Assemble components according to manufacturer specifications, workplace procedures, workplace health and safety and environmental requirements |

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|----------------------------|--|
| | 2.3 Fit components according to manufacturer specifications, workplace procedures, and workplace health and safety requirements |
| 3. Test components | <p>3.1 Obtain and interpret testing procedures from manufacturer specifications</p> <p>3.2 Test braking system according to manufacturer specifications and adjust as required</p> <p>3.3 Tag failed components for further work</p> <p>3.4 Record test results according to workplace procedures</p> |
| 4. Complete work processes | <p>4.1 Carry out final inspection to ensure work is to workplace expectations and vehicle is ready for use according to workplace procedures</p> <p>4.2 Clear work area and dispose of or recycle materials according to workplace procedures</p> <p>4.3 Examine and store tools and equipment according to workplace procedures</p> <p>4.4 Complete workplace documentation according to workplace procedures</p> |

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

| Skills | Description |
|-------------------------------|---|
| Learning skills to: | <ul style="list-style-type: none"> locate relevant sources of braking system information efficiently |
| Reading skills to: | <ul style="list-style-type: none"> read and interpret information and ideas from workplace procedures and documentation on safe operating procedures for assembling, fitting and testing braking system equipment read and interpret information from manufacturer specifications |
| Writing skills to: | <ul style="list-style-type: none"> legibly and accurately fill out workplace documentation when reporting findings, making repair recommendations, and recording parts and material used |
| Oral communication skills to: | <ul style="list-style-type: none"> clarify instructions report faulty components make fitting recommendations |
| Numeracy skills to: | <ul style="list-style-type: none"> measure braking system and vehicle components use basic mathematical operations, including addition and subtraction calculate distances and tolerances |

| | |
|------------------------------------|---|
| Planning and organising skills to: | <ul style="list-style-type: none"> • plan own work requirements • prioritise actions to achieve required outcomes • ensure tasks are completed within workplace timeframes |
| Technology skills to: | <ul style="list-style-type: none"> • use braking system measuring equipment including vernier calipers, micrometers and brake drum calipers |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|--|--|--------------------|
| AURTTB015 Assemble and fit braking system components (Release 1) | AURTTB005 Assemble and fit braking system components (Release 1) | <p>Wording changes to ensure compliance with Standards for Training Packages.</p> <p>Removal of references to OHS requirements.</p> <p>Removal of range of conditions.</p> <p>Addition of assessor requirements.</p> | Equivalent |

Links

Companion Volume Implementation Guides are found in VETNet -

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