



Australian Government

AURTTTS101 Fabricate exhaust systems and components

Release: 1

AURTTS101 Fabricate exhaust systems and components

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to fabricate and test exhaust systems and their components. It involves preparing for the task, selecting procedures for fabrication, performing post-fabrication testing, and completing processes and documentation.

This unit applies to those working in the automotive service and repair industry. The exhaust systems and components that are fabricated are for internal combustion engines.

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

Unit Sector

Mechanical Miscellaneous Technical – Fabrication

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to fabricate exhaust system component	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret fabrication information 1.3 Analyse and select suitable fabrication options 1.4 Identify hazards and environmental issues, assess potential risks and implement control measures in line with workplace policies and procedures 1.5 Identify tools and equipment required for the job and establish serviceability according to workplace procedures
2. Fabricate and test component	2.1 Identify and obtain component material according to job requirements 2.2 Shape, machine and weld material according to manufacturer specifications and workplace procedures

ELEMENTS	PERFORMANCE CRITERIA
	2.3 Measure component to ensure compliance with manufacturer specifications 2.4 Carry out component fabrication according to manufacturer specifications, workplace procedures, and workplace health and safety requirements 2.5 Test component according to workplace procedures and job requirements and rectify any issues identified
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 3.2 Clear work area and dispose of or recycle materials according to workplace procedures 3.3 Complete documentation according to workplace procedures

Foundation Skills

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

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently.
Reading	Reads and interprets complex information and ideas from workplace procedures, documentation, legislation and regulations for safely operating fabrication equipment.
Oral communication	Clarifies instructions.
Numeracy	- Understands welding gas pressures and welding wire feed rates - Uses basic mathematical operations, including addition and subtraction, to calculate distances and material requirements.
Planning and organising	- Prepares work area and tools - Designs exhaust system components to fit within vehicle and other system constraints.
Technology	Uses specialised equipment.

Unit Mapping Information

Supersedes and is equivalent to AURTTS001 Fabricate exhaust systems and components.

Links

Companion Volume Implementation Guide is found on VETNet -

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