



Australian Government

AURVTW109 Carry out basic gas metal arc welding

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

Application

This unit describes the skills and knowledge required to prepare and weld components using the gas metal arc welding (GMAW) process. It involves preparing for the task, selecting and using GMAW equipment, inspecting and testing weld quality, and completing workplace processes and documentation.

It applies to those working in the automotive service and repair industry.

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

Unit Sector

Vehicle Body Technical - Welding, Grinding, Machining and Soldering

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 carry out basic GMAW welding	1.1 Identify job requirements from workplace instructions 1.2 Obtain and interpret welding information 1.3 Identify hazards associated with the work, assess potential risks and implement control measures in line with workplace policies and procedures 1.4 Identify tools and equipment required for welding and establish serviceability according to workplace procedures
2. Weld component using GMAW	2.1 Set up welding equipment according to manufacturer specifications, workplace procedures, workplace health and safety and environmental requirements 2.2 Carry out welding according to workplace procedures 2.3 Inspect welded component for conformity with job

ELEMENTS	PERFORMANCE CRITERIA
	requirements
3. Complete work processes	3.1 Conduct final inspection according to workplace procedures and confirm component 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	<ul style="list-style-type: none"> Locates required sources of information efficiently.
Oral communication	<ul style="list-style-type: none"> Clarifies instructions and job requirements.
Numeracy	<ul style="list-style-type: none"> Measures components to check conformity with job requirements Interprets gauges and units of pressure.
Planning and organising	<ul style="list-style-type: none"> Plans own work requirements Prioritises actions to achieve required outcomes Ensures tasks are completed within workplace timeframes.
Technology	<ul style="list-style-type: none"> Uses GMAW equipment.

Unit Mapping Information

Supersedes and is equivalent to AURVTW009 Carry out basic gas metal arc welding.

Links

Companion Volume Implementation Guide is found on VETNet -

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