

MIG Welder - Non Portable

Last Issue Date: 04/10/2013		Type Of Service				
Activity		A	B	C	D	E
1	<p>REGULATOR</p> <ul style="list-style-type: none"> <li>-Check that the regulator rated maximum inlet pressure is suitable for the gas supply.</li> <li>-Check that the contents gauge functions correctly and returns to zero.</li> <li>-Check the flowmeter / flowgauge is designed for MIG welding</li> <li>-Check that the flowrate functions correctly when the control knob is adjusted and released, or the flowmeter functions correctly when the adjustment knob is adjusted.</li> <li>-Leak test the contents gauge where it enters the regulator.</li> <li>-Leak test flow gauge whee it enters the regulator.</li> <li>-Leak test the spigot where it enters the cylinder valve and regulator.</li> <li>-leak test the outlet connection where it exits the regulator.</li> </ul> <p>Leak test hose connections at the regulator end.</p> <ul style="list-style-type: none"> <li>-Inspect for visual damage and report it if it compromises its safe operation.</li> <li>-Check the flowrate at the torch end with a hand held flowmeter and compare it with the flow that is shown on the flow gauge or flowmwter at the regulator.</li> </ul> <p>Replace regulator / flowmeter if descrepancy is excessive.</p>		Y		Y	
2	<p>GAS SUPPL-Check cylinder is securely restrained to machine or fixture.</p> <ul style="list-style-type: none"> <li>-Check gas selection is correct for application.</li> </ul>		Y		Y	
3	<p>HOSE</p> <ul style="list-style-type: none"> <li>-Check hose for cracking at fittings and over its length, Replace if necessary.</li> <li>-Leak test hose fittings.</li> </ul>		Y		Y	
4	<p>TORCH</p> <ul style="list-style-type: none"> <li>-Check operation od gas solenoid</li> <li>-Check torch cable for damage</li> <li>-Check hand piece for wear, cracks, damaged insulation or other damage.</li> <li>-Inspect O rings</li> </ul>		Y		Y	
5	<p>DRIVE MECHANISM</p> <ul style="list-style-type: none"> <li>-Check drive rolls correct size and type for wire selection.</li> <li>-Check tension of wire feed mechanism.</li> </ul>		Y		Y	
6	<p>WORK LEAD</p> <ul style="list-style-type: none"> <li>-Inspect for damage for cable insulation.</li> <li>-Check cable size compared to machine capacity.</li> </ul>		Y		Y	
7	<p>WORK CLAMP</p> <ul style="list-style-type: none"> <li>Check spring tension and condition of jaws.</li> <li>-Inspect condition of lug and cable to lug.</li> <li>-Check lug to clamp tightness.</li> </ul>		Y		Y	
8	<p>TERMINALS</p> <ul style="list-style-type: none"> <li>-Inspect insulation terminals.</li> <li>-Check terminals for tightness.</li> <li>-Check lug condition.</li> </ul>		Y		Y	
9	<p>WELDING SCREENS</p> <ul style="list-style-type: none"> <li>-Inspect welding screens for damage and suitable for purpose.</li> </ul>		Y		Y	

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Government of South Australia  
Department of Planning,  
Transport and Infrastructure

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	-Check welding bays are of non reflective finish.					
10	WELDING HERMET -Check chipping lens is used and fitted in correct position. -Check CR39 cover plate lens is used and fitted in correct position. -Check welding filter suitable for purpose (shade matches process and amperage).		Y		Y	
11	Resitance test annually for fixed equipment.				Y	
12	ELECTRICAL - Inspect for damage to switch gear, wiring and / or conduit. - If welder is operated on a circuit protected by a portable RCD check test status of RCD.				Y	
13	Check fume extraction unit (Refer to ME23 for service details)				Y	
14	Record results in log book		Y		Y	

**Special Comments and Technical Data**

B SERVICE MONTHLY (BY SITE)  
D SERVICE ANNUAL  
USE EQ169 FOR THE PORTABLE TYPE.

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