
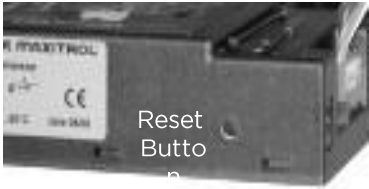
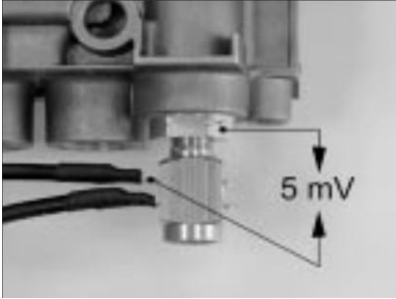
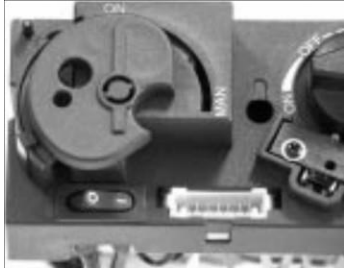


## SÓLAS Contemporary Fire Control by Maxitrol Troubleshooting Guide

ISSUE:	POSSIBLE CAUSES:	REMEDY:
<p>No Transmission: (motor does not turn)</p> <p>Creating an electrical short between the batteries/battery box and metal parts of the appliance may render the receiver inoperable (see below).</p>  <p>Make sure that the antenna is not too close to the electrode cable and ignition coil (beneath the cover). It will damage the receiver.</p>	<ol style="list-style-type: none"> <li>1. Receiver must learn new code.</li> </ol>  <ol style="list-style-type: none"> <li>2. Dead batteries.</li> <li>3. The receiver is surrounded by metal, reducing the transmission range.</li> <li>4. Receiver.</li> <li>5. Transmitter.</li> <li>6. Wiring at valve damaged.</li> <li>7. Bent pins on 8 wire connector.</li> </ol>	<ol style="list-style-type: none"> <li>1. Press and hold the receiver's reset button until you hear 2 acoustic signals. After the second longer acoustic signal, release the reset button and within the subsequent 20 seconds, press the ▼ (down arrow) on the remote handset until you hear an additional long acoustic signal confirming the new code is set (see at left).</li> <li>2. Replace the batteries.</li> <li>3. Change the position of the antenna.</li> <li>4. Replace receiver and reprogram code (remedy 1).</li> <li>5. Replace transmitter and reprogram code (remedy 1).</li> <li>6. Replace valve.</li> <li>7. Straighten pins on 8 wire connector.</li> </ol>
<p>No Ignition; No Tone:</p>	<ol style="list-style-type: none"> <li>8. Receiver.</li> </ol>	<ol style="list-style-type: none"> <li>8. Replace receiver and reprogram code (remedy 1)</li> </ol>
<p>No Ignition; One 5 second continuous tone (7 short beeps might be heard prior to the 5 second tone):</p>	<ol style="list-style-type: none"> <li>9. ON/OFF switch is in OFF position.</li> <li>10. Loose wire.</li> <li>11. Receiver.</li> <li>12. Bent pins on 8 wire connector.</li> </ol>	<ol style="list-style-type: none"> <li>9. Push switch to ON position.</li> <li>10. Secure wire.</li> <li>11. Replace receiver and reprogram code (remedy 1).</li> <li>12. Straighten pins on 8 wire connector.</li> </ol>
<p>No Pilot Flame and control continues to spark:</p>	<ol style="list-style-type: none"> <li>14. Air in the pilot supply line.</li> <li>15. No spark at pilot burner.</li> <li>16. Valve.</li> <li>17. Over tightened thermocouple interrupter.</li> <li>18. Receiver.</li> </ol>	<ol style="list-style-type: none"> <li>14. Purge the line or start ignition several times.</li> <li>15. Check spark gap; check wiring connection. Check for spark in location along cable.</li> <li>16. Replace valve. Do not over tighten the thermocouple interrupter.</li> <li>17. Replace valve &amp; thermocouple</li> <li>18. Replace receiver and reprogram code (remedy 1)</li> </ol>

OBSERVED PROBLEM:	POSSIBLE CAUSE:	REMEDY:
Pilot is lit and control continues to spark. Valve shuts off after 10-30 seconds. Valve operates	19. Receiver.	19. Replace receiver and reprogram code (remedy 1).
<p>Pilot is lit and sparking stops. Valve shuts off after 10-60 seconds. Valve does not operate manually.</p> <p>Note: For manual operation turn the valve knob to the manual position and hold the safety magnet open with a pen for approximately 60 seconds (see figure below).</p>	<p>20. Not enough voltage generated from the thermocouple or too much resistance in the circuit. Possible parts are: ON-OFF switch, Temperature switches, Thermo current connections, Receiver.</p>  <p>21. Thermocouple 22. Low inlet pressure. 23. Valve</p>	<p>20. Use a digital multimeter set in the mV range and measure the voltage by connecting the test leads to the spade connector. Spade connector is located on the outer surface, directly beside the magnet nut (see figure at left). The available voltage must be at least 5mV. The manufacturer must specify the drop time for the application. The drop time can be measured after the thermocouple is heated.</p> <p>21. Replace thermocouple 22. Confirm regulator pressure and sizing. Replace if necessary 23. Replace valve. Do not over tighten the thermocouple interrupter.</p>
3 short beeps while the motor turns:	24. Batteries are low.	24. Replace batteries.
Pilot flame lights but there is no main gas flow.	<p>25. Manual override knob (if equipped) is in MAN position.</p> <p>26. Valve turned down to pilot flow. 27. Low inlet pressure. 28. Valve.</p>	<p>25. Turn Manual override knob to ON position (see figure below).</p>  <p>26. Turn flame to high fire by pressing up button on remote handset. 27. Confirm regulator pressure, and sizing. Replace valve if necessary. 28. Replace valve.</p>