

Western Instruments

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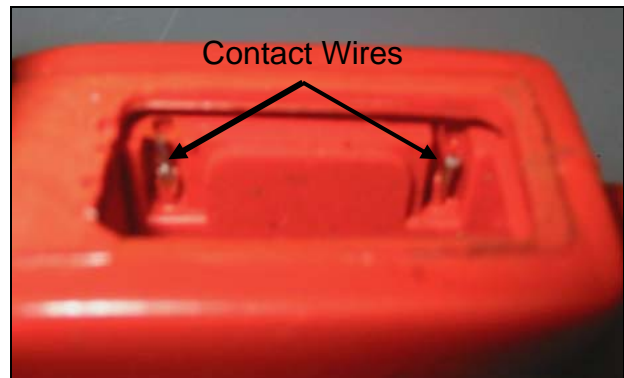
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WE-Series Switch Replacement

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Standard Switches (WE-Series or Competitive Units) fail periodically, depending on the Current Draw or Environmental/Service Conditions, due to an Arc that occurs when the switch is released. These instructions can be used for all manufactures Products that use a Licon Series 11 (#11-304) Micro-Switch.

1. Remove the Switch Cover. WE-Series Yokes simply slide out, while competitive units require 2 to 4 Screws. *Safety would dictate checking mounting screws for grounding.
2. Examine the Switch Cover. It may be prudent to replace it.
3. Using a blunt Chisel or Screwdriver and a light hammer, break the plastic switch housing, and remove the debris. It may take repeated clearings of debris, and plastic breakage. Take care not to excessively damage the contact wires. You will be left with the 2 Tabs/Contacts of the switch fastened to the contact wires.



Note: If one (or both) of the contact wires is missing and the area around the wire is burnt, it is a telltale sign that the Yoke has been connected to 110 Volts DC. This power is found on old engine driven Portable Welders and some Merchant Ships.

4. Using a small pair of pliers, hold the Tab, and apply heat with your Soldering Iron. We recommend a Weller PTK7 (or equivalent) solder tip. The Tab is then easily removed, and the Switch Wires are pre-tined. Take care not to touch the Encapsulant with your Soldering Iron.
5. Position the new Switch into the Switch Cavity, align the contact wires with the switch, and press the switch firmly into place. Take care while soldering the Switch Tabs, not to touch the Encapsulant.
6. Reinstall the switch cover.