



Instructions

**for
Option
RC3
Remote Control**

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Description

The Option RC3 duplicates the Trace Engineering Model 612 and 724 inverters' On/Off switch and LED functions.

Operation

On/Off Switch

The On/Off switch is a momentary switch. Pressing it alternately turns the unit on and off. As with the switch on the inverter, when the batteries are first connected it requires two presses to turn the inverter on.

LED Indicator

- **On/Off** - When the inverter is off the light is off. When the inverter is operating the LED is either on steadily or flashing.
 - **Search Mode** - When the inverter is in the search mode the LED will be flashing at a rate of six times per second.
 - **Overload** - When the inverter experiences high or low battery voltage, over temperature or over current conditions, the LED will flash at a slower rate than when it is in the search mode.
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Parts List

Check to see that you have the following items:

- Momentary switch with 25 feet of four conductor wire attached.
- Black faceplate (1.6 in. X 3.0 in).
- Two stainless steel philips head screws.

If any items are missing call the factory.

Installation

It is generally best to route the wire from the inverter to the remote control installation location before connecting the remote control cable to the inverter. The remote control wires are attached to internal terminals in the inverter.

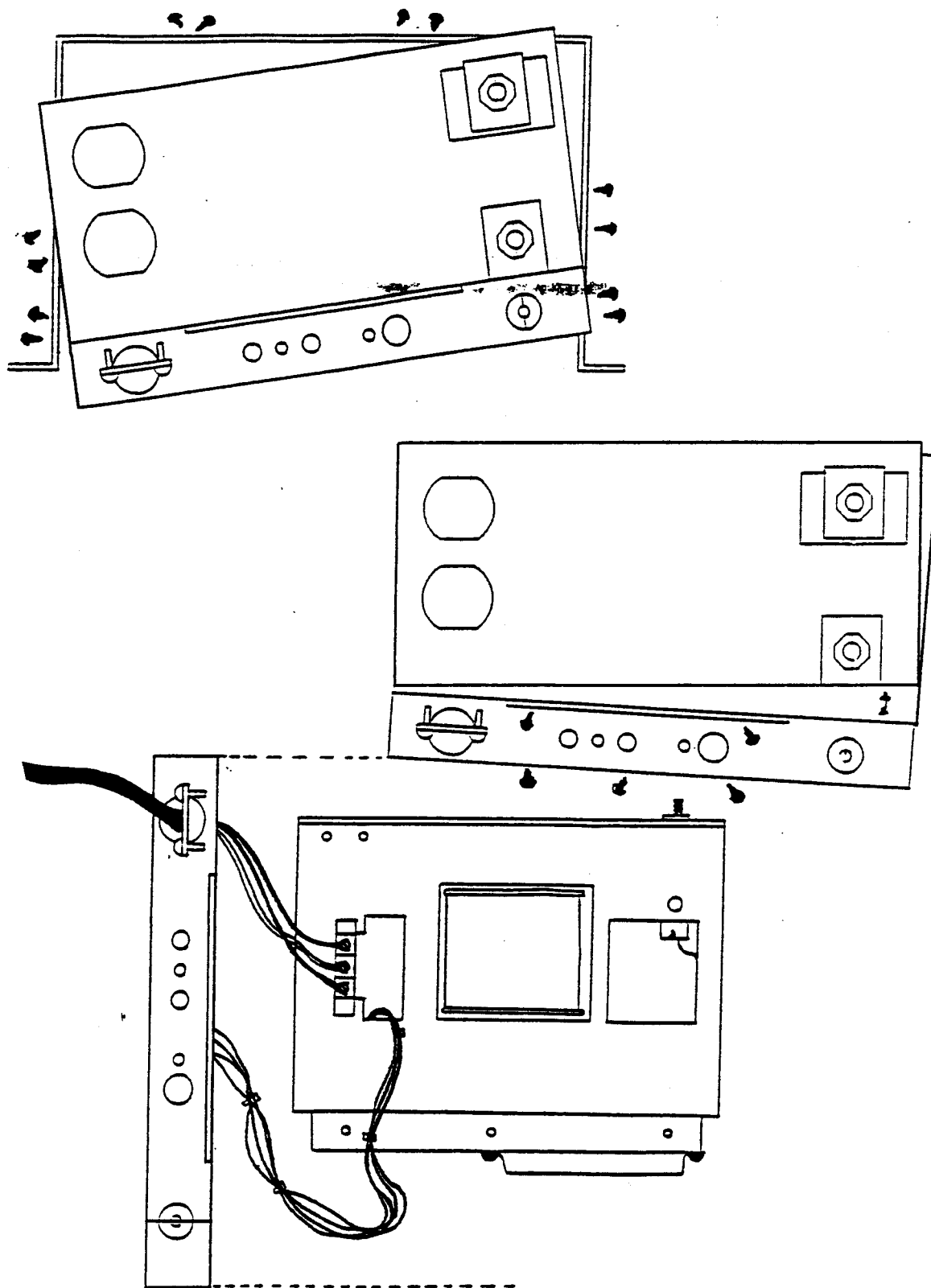
Assembling the Control Panel

- 1 - Using the faceplate as a template, drill 1/16 inch holes for the mounting screws. The switch will require at least a 15/16 inch hole behind the faceplate.
- 2 - Route the cable thru the faceplate. Then, route the cable from the installation location to the inverter.
- 3 - The switch is attached to the faceplate by pressing it into place.

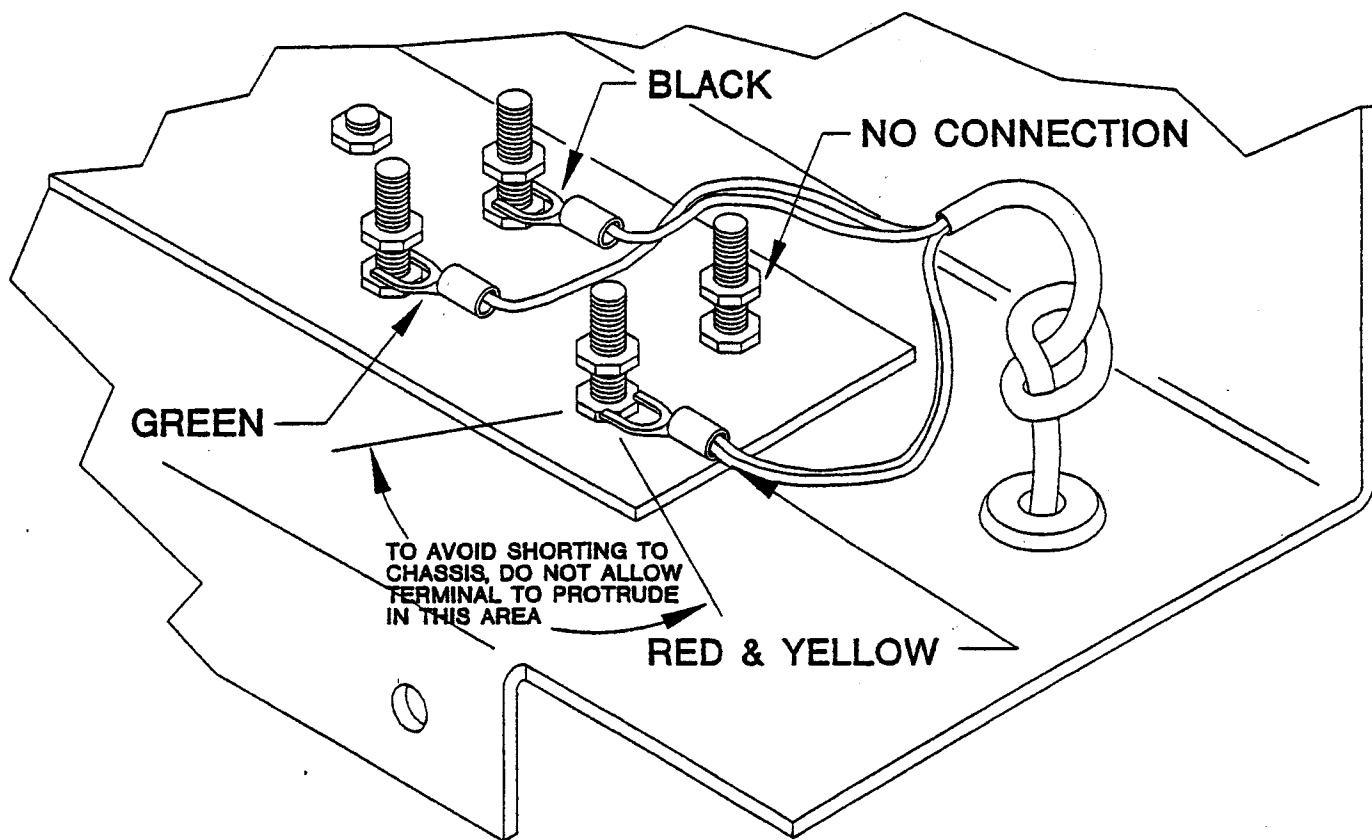
Connecting to the Inverter

- 1 - Disconnect the battery cables. Disconnect any AC loads.
- 2 - To access the remote control terminals, the bottom cover of the inverter must be removed. The bottom cover is secured with 15 sheet metal screws. These are located as follows; 2 under the lip of the silk screened front cover; 2 on each side just above the mounting holes; 3 on the bottom; 2 on the inverter's top towards the back. See Assembly Figure 1.
- 3 - Route the remote control cable thru the grommeted hole located on the front edge of the bottom cover.
- 4 - Secure the remote control cable wires to the terminals on the small printed circuit board attached to the bottom cover. See Assembly Figure 2.
- 5 - Re-attach the bottom cover.
- 6 - Reconnect the AC input. Reconnect the battery cables.

Assembly Figure 1



Assembly Figure 2





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