

BOARD066R/076R Replacement Kits

Replacement Instructions

WARNING

To reduce risk of SEVERE INJURY or DEATH to persons:

- All electrical wiring should be done by a qualified professional and in accordance to local electrical codes.
- Always shut OFF the main power before performing any electrical intervention.
- Compare available power supply voltage to voltage on operator name plate prior to electrical connection. Failure to connect appropriate power supply voltage may cause serious damage to the operator.

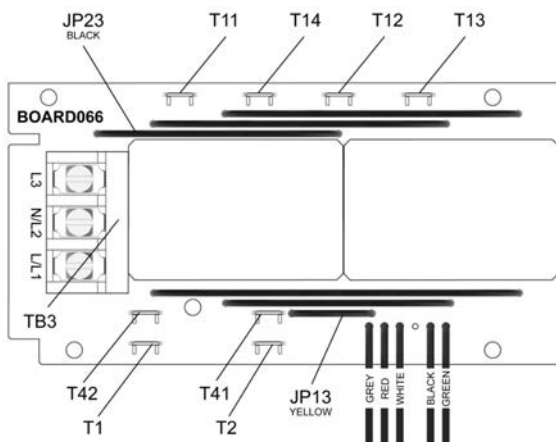
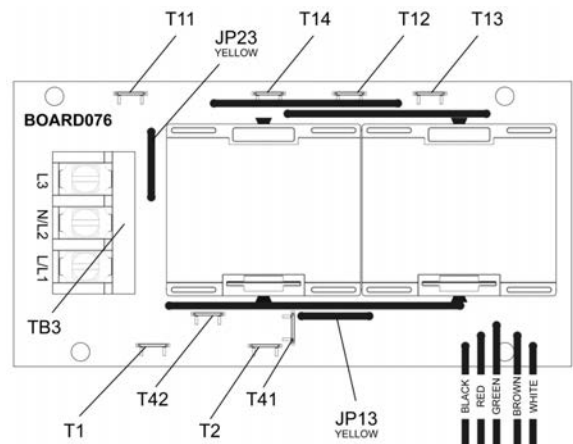
NOTICE

Failure to set the jumpers correctly will lead to serious damage to the electronic control board.

Compatibility

Existing Power Board	Replacement Power Board
BOARD066	BOARD066 or BOARD076
BOARD076	BOARD066 or BOARD076

Components

BOARD066R Replacement Kit	BOARD076R Replacement Kit
 Figure 1 - BOARD066 (compatible with 120/230V - 1PH and 208/480/600V - 3PH operators)	 Figure 2 - BOARD076 (compatible with 120/230V - 1PH and 208/480/600V - 3PH operators)

Qty	Manaras-Opera Part #	Description
1	BOARD066 or BOARD076	Replacement power board
4	SUPPORT002	Board support rivet 0.236" (not shown)
4	SUPPORT008	Board support 1" (not shown)
1	MOV001 (only BOARD066)	MOV pack for operator voltages greater than 250V (not shown)

Replacement of BOARD066/076 with a new BOARD066/076

Refer to Figure 1 and Figure 2, p. 1 for further details.

1. On the existing power board, disconnect:
 - The main power lines from **TB3**
 - All motor wires from **T11, T12, T13** and **T14**
 - Transformer wires from **T41** and **T42**
 - Overload protection wires (RESET component) from **T1** and **T2** (1PH operators) or jumper installed between **T1** and **T2** (3PH operators)
 - Rapid connector from **TB4** (on the control board)
2. Use a pair of long nose pliers to press the tips of the plastic supports and remove the board from the control box.
3. Configuration of power board BOARD066/076:
 - a) **For 120V, 1PH operators:**
 - Cut and remove jumper **JP23** (black wire for BOARD066 / yellow wire for BOARD076).
 - b) **For 230V, 1PH operators:**
 - Cut and remove jumper **JP23** (black wire for BOARD066 / yellow wire for BOARD076).
 - Cut and remove yellow jumper **JP13**.
 - c) **For all 3PH operators:**
 - Cut and remove yellow jumper **JP13**.
 - Cut and remove the black and white wires on both ends (Control board BOARD070 and rapid connector).
 - d) **For BOARD066R only (operator voltages greater than 250V):**
 - Insert MOV001 into the screws on terminal **TB3**.
4. Place the new power board inside the operator control box and use the plastic supports and rivets to secure the board.
5. From the replacement power board, reconnect:

Refer to Figure 3 for further details.

 - Rapid connector to **TB4** (on the control board)
 - Overload protection wires (RESET component) from **T1** and **T2** (1PH operators) or jumper installed between **T1** and **T2** (3PH operators)
 - Transformer wires on **T41** and **T42**
 - All motor wires on **T11, T12, T13** and **T14**
 - The main power lines on **TB3**
6. Turn ON the main power and conduct a complete functionality test of the operator with the replacement power board.
7. To reverse motor rotation, turn OFF the main power, interchange the wires on **T13** and **T14**. Turn ON the main power and repeat the functionality test.

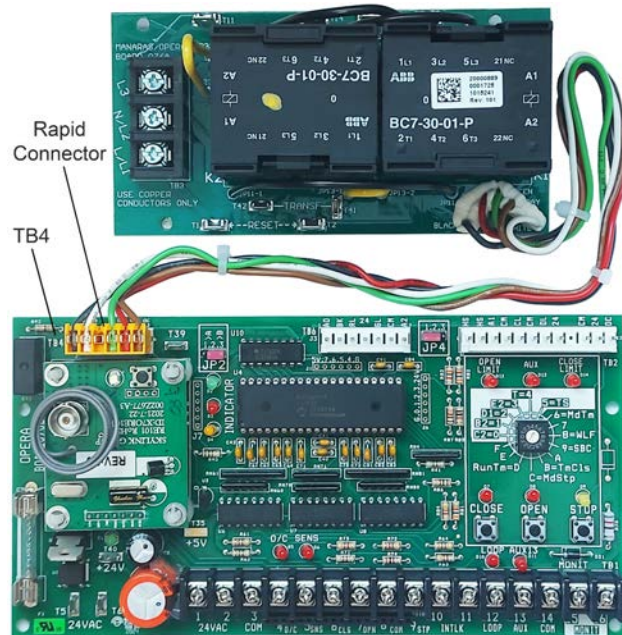


Figure 3 - Typical power board BOARD076 connection to control board BOARD070

For further information, please consult the operator's Installation & Instruction Manual or contact our Technical Support Department at **1-800-361-2260**.