



RB-MD-962 Replacement Core Board Instructions

This document describes how to remove the old core board and install the RB-MD-962 replacement core board on the main board MD-871A.

Contents of the kit:

- 1 x RB-MD-962
- 1 x screwdriver
- 1 x anti-static bag

Power down the main board

Attention: Always observe grounding practices to avoid electrostatic discharge when handling circuit boards.

Always hold circuit boards by the edges. Use the included anti-static bag to handle the main board.

Wear an electrostatic discharge strap that is connected to earth ground.

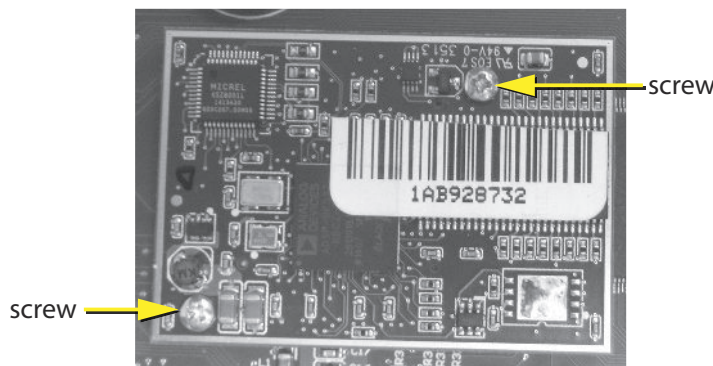
1. Disconnect the batteries from the main board MD-871A.
2. Disconnect AC power going to the main board.
3. Disconnect the wiring to the adder boards mounted above the main board, and remove the adder boards.
4. Disconnect all wiring on the main board.

Tip: Take pictures of the position of the adder boards, and the wiring on the main board and adder boards, so that you can reconnect everything when you reinstall the main board.

5. Remove the 11 screws holding the main board to the chassis and, using the included anti-static bag to handle the board, carefully remove the board.
Keep the screws in a safe place.
6. Place the main board on top of the included anti-static bag on a clean static-free surface.

Remove the old core board

1. Remove the 2 screws on the old core board with the included screwdriver. Keep these screws in a safe place.



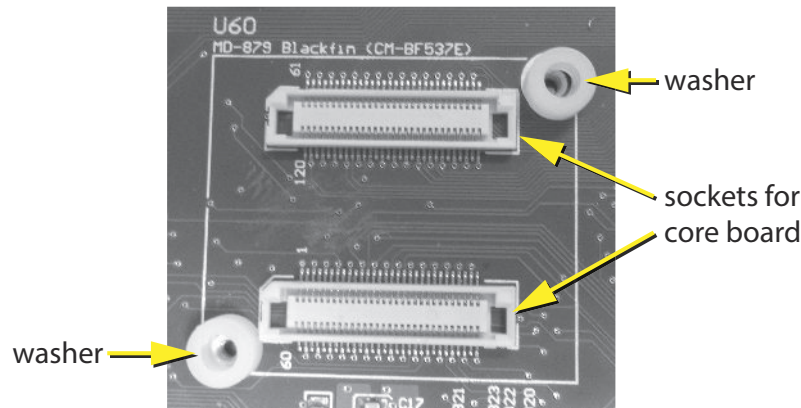
2. Gently wiggle the old core board (pull one side and then the other in a repetitive motion) until it is free of its connectors.

Attention: There are 2 loose washers under the core board. Make sure not to lose them when you remove the core board.

Attach the RB-MD-962 replacement core board

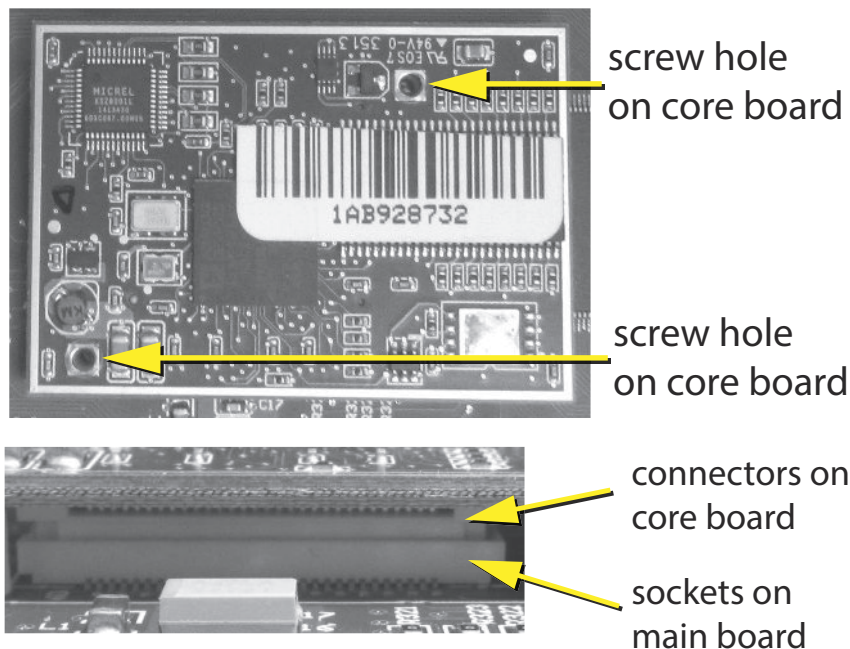
Attention: Always hold circuit boards by the edges. Use the included anti-static bag to handle the main board.

1. On the main board, align the 2 washers over the screw holes.



2. Remove the replacement core board from the anti-static bag.
3. Align the replacement core board over the main board so that the screw holes on the core board align with the washers.

Attention: The screw hole in the corner of the core board must be on the bottom left, as shown below.



4. Gently push the replacement core board down so that the connectors on the core board go into the sockets on the main board.
5. Insert and tighten the 2 screws.

Power up the main board

1. Install the main board in the chassis with the 11 screws.
2. Reconnect the wiring to the main board.
3. Connect AC power to the board.
4. Connect the batteries to the board.