MC-MP SPA SYSTEMS

• by Gecko Alliance •

How to replace the board

Visual step-by-step guide





now to replace the board

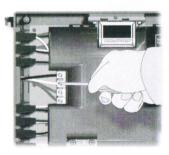
When replacing the MC-MP board, it is important to make sure to turn power off before proceeding and to disconnect the breaker!



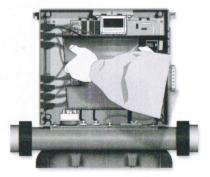
- Loosen 4 screws holding Spa Pack
- cover and remove.



3 • Unplug all connectors located in the upper right corner of the power box.



2 • Disconnect power input cables.

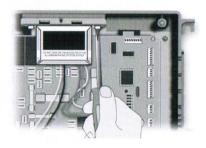


4. Insert the end of a flat screwdriver into the slots at the top of the plastic cover to remove black plastic cover protecting the circuit board.

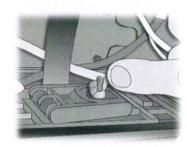
Lift up the cover on both sides and remove it from the power box.

now to keptace the board

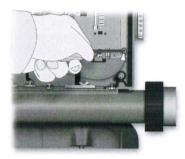
now to keptace the board



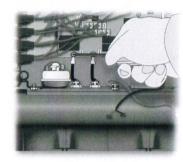
5 • Remove the transformer.



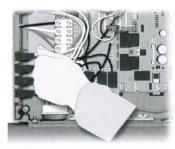
7 • Remove wing nut, open plastic latch and carefully pull hi-limit rubber sensor out of place.



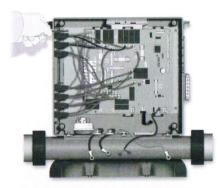
6 • Disconnect ground cable.



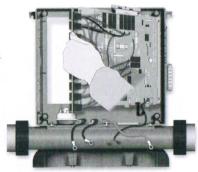
8 • Disconnect heater and pressure switch cables.



9 • Remove Unslot AMP or J&J mini connectors from side of the pack. Remove the 3 screws that hold the small metal plate in place. Remove all Amp or J&J connectors.



10 • The circuit board is supported by a metal plate, with the entire assembly being held in place by 5 screws (one attached to ground wire). Please note that in certain models the assembly is held by 3 additional screws located under the board. In this case the board must be removed before getting access to the additional screws. Remove screws and disengage the defective board/ plate assembly.



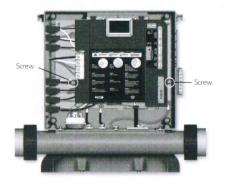
- II Correctly align replacement board/ metal plate assembly with original screw holes and reattach to enclosure with screws. Please note that on all models the re-installation of the screws located under the board is no longer needed.
- 12 Re-connect the Amp or J&J connectors.
- 13 Re-install the transformer.
- 14 Re-connect heater and pressure switch cables.
- 15 Put hi-limit sensor back in place.
- 16 Re-connect ground cable.
- 17 Verify all connections. Assemble metal cover.
- Re-connect all connectors located in the upper right corner of the power box.
- Re-connect power input cables.
 Re-install Spa Pack cover and turn power back on.

now to neplace the board (since year 2005)

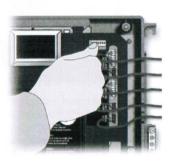
When replacing an MC board, it is important to make sure to turn power off before proceeding.



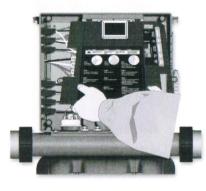
 Loosen 4 screws holding spa pack cover and remove. Disconnect power input cables.



3 • Loosen the 2 screws located in the middle of each side of the metal cover.

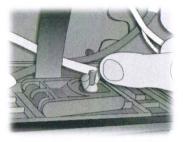


2. Unplug all connectors ie.: keypad(s), temperature sensor etc. located in the upper right corner of the power box.



4. Lift up the metal cover and remove it from the power box.

now to kepiace the duard (since year 2005)



5 • Remove wing nut, open plastic latch and carefully pull hi-limit rubber sensor out of place.



7 • Unslot AMP or J&J mini connectors from side of the pack. Remove the 3 screws that hold the small metal plate in place. Remove all Amp or J&J connectors.



Disconnect heater output by removing two screws at the bottom of circuit board. Disconnect pressure switch.



- 8 The circuit board is supported by a metal plate, with the entire assembly being held in place by 5 screws (one attached to ground wire). Remove screws and disengage the defective board/ plate assembly. Note: transformer remains attached to board.
- 9 Install the metal plate by sliding the 2 metal tabs into the plastic slots. Correctly align replacement board/metal plate assembly with original screw holes and re-attach to enclosure with 7 screws (2 more screws have been added).

HOW TO NEPLACE THE DUALD (SHILE YEAR 2005)

When replacing an MC-MP board, it is important to make sure to turn power off before proceeding.

- 10 Now, reinsert J&J mini connector to pack side.
- 11 Switch transformer from one plate to the other.
- 12 Re-connect heater cables.
- 13 Re-connect pressure switch and high temperature sensor cables.
- 14• Verify all connections. Reposition plastic cover.
- 15 Re-connect keypad(s) and temperature sensor connections.
- 16• Re-connect power cable and turn power back on.

