

Notes: To remove the large white connectors, press the tab on the outer face of the connector to release the catch and then pull from the socket. These can be quite stiff so you will need to squeeze quite hard.

You are advised to take a picture of your existing circuit board before removing any connections, so that you may refer to this when fitting the new board. Also, when removing a connector if the identifying label is missing, use a marker pen to write the connector number on the side of the connector.

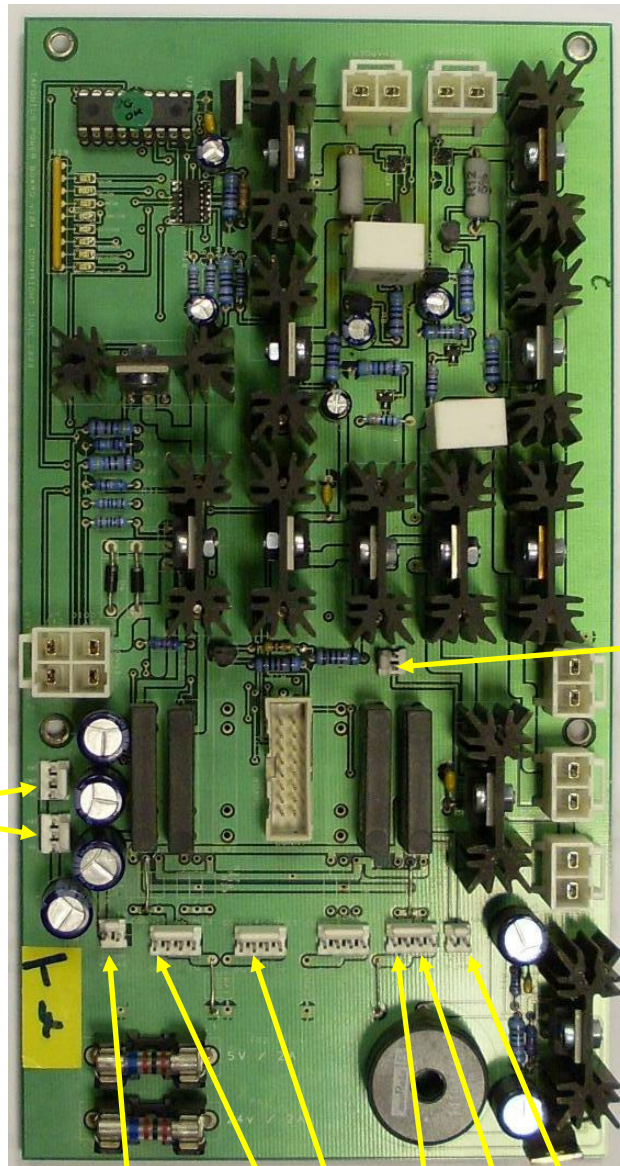
Before anything else, make sure that the mains power is turned off and that the batteries are disconnected. This will mean that there are no lights on the small row of LED's on the top left of the power board.



Remove the connectors from the existing power board in the following order:

- 1) Remove the two power connectors at the top of the board from **CHARGER2** and **CHARGER1** connectors
- 2) Remove PC power/Aux Out connector from **CONN4**
- 3) Remove the Upper Battery Connector from **CONN2** -wires are coloured Brown & Grey
- 4) Remove the Lower Battery Connector from **CONN6** – wires are coloured Black and Grey/White
- 5) Remove the grey flat IDC cable from **CONN9**
- 6) Remove the VIX Drive Supply connector from **CONN3**

Then remove the smaller MTA-type connectors from the board:



Remove the two power
connectors from **CONN7 &**
CONN8

Remove the ON/OFF
control connector from
CONN20

Remove:
Dump Valve Control from **CONN10**,
Vacuum Pump control from **CONN12**,
Solomon Power1 from **CONN14**,
Solomon Power2 from **CONN18**,
Front Lamp control from **CONN19**
and the Air Pump control from **CONN11**

Then remove the four securing pillars (or nuts) that hold the board to the back door. There are two located at the top corners of the board and two located about half way down the board on either side.

Removal is complete



Fitting the new Tafonius Power Board

Place the board on the back door and hold in place using the four securing pillars or nuts.

Fit the connectors in the following manner, starting with the smaller MTA-type connectors, ticking the boxes on this document as you go:

Fit the ON/OFF control to CONN20	☐
Fit the Air Pump Control to CONN11	☐
Fit the Front Light control to CONN19	☐
Fit the Solomon2 Power control to CONN18	☐
Fit the Solomon1 Power control to CONN14	☐
Fit the Vacuum Pump control to CONN12	☐
Fit the Dump Valve control to CONN10	☐
Fit the two Power connectors to CONN7 and CONN8 (it does not matter if CONN7/CONN8 connections are swapped)	☐

Now fit the large power connectors:

Fit the 4-way Vix Drive Supply connector to CONN3	☐
Fit the Charger Connector1 to CHARGER1	☐
Fit Charger Connector2 to CHARGER2	☐
Fit the PC Power/Aux connector to CONN4	☐
Fit Battery1 connector (Black & Grey/White) to CONN6	☐
Fit Battery2 connector (Grey & Brown) to CONN2	☐
Then fit the grey flat IDC cable to CONN9	☐

Final Procedure

Check that all of the connectors above have been replaced.

Make sure that the batteries are still disconnected in the battery box and then re-connect the mains supply. The LED's on the top left of the Power Board will come on. There should be no red LED's lit. If there are seek assistance.
Turn off the mains supply.

Connect the batteries at the battery box. The LED's should again light up with no red LED's shown.
Re-apply mains power. At this point a red LED may be on because one of the batteries may be charging.

Refitting is complete