


Replacing and Installing a Control Panel Phenom 1 & 2

Step	Description	Tools	Picture
	<p>Models that Apply: Elite model Phenom 1 & 2.</p> <p>This instruction is to help guide you through installing a new control panel for your Phenom 1 & 2 model machines. Please use the image as reference to ensure you have the correct control panel. If your panel says ‘‘elite Liberty’’ or ‘‘elite 3’’ on the front lower left-hand side of the panel or looks differently on the circuit board section (shown in the 2nd picture), please contact Lobster Sports Customer Service at 1-818-764-6000 for a Return Authorization (<i>they might ask for a picture by e-mail as proof, and your machine serial number which is located on the front opening inside of the top unit, right-hand side it should read ECO*-*****</i>).</p>  <p style="text-align: center;">Phenom</p>	<p>Phillips Screw Driver, and needle nose pliers</p>	

Replacing and Installing a Control Panel Phenom 1 & 2



Phenom 2

Unscrewing You Control Panel

Step 1.) Using a Philips screw driver, unscrew the 4 control panel screws that are holding the old panel to the back of the red case (in between the lower folding handle). *Note: If your control panel was sent under warranty with-in the first year of ownership of the machine, it is likely that you sent the old control panel back, and there is no old control panel to be removed.*

Step 2.) Unplug the Power Cord from the outlet.

Step 3.) You can simply disconnect 1 wire from the old control panel, and reconnect it on the new control panel, one wire at a time, until all of the old wires have been transferred onto the new control panel. In order to help you, we have also showed were these wires connect and what they look like. The rest of the guide will show this in sections of small wires to make this task easier to follow.

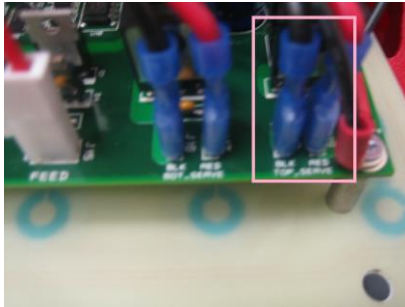


4 Control Panel Screw locations.

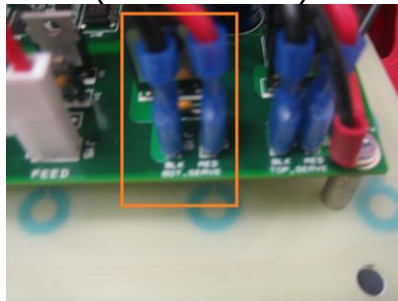
Replacing and Installing a Control Panel Phenom 1 & 2

**Phenom 1 & 2
Motor Connections**

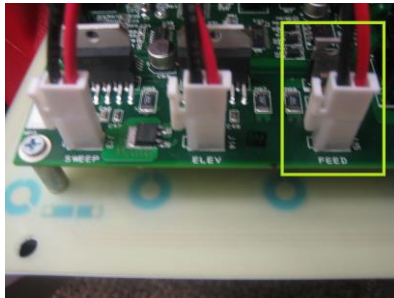
- a. Top Server Motor (marked in Pink)
- b. Bottom Server Motor (Marked in Orange)
- c. Feed Motor (Marked in light Green)
- d. Elevation Motor (Marked in light Blue)
- e. Sweep Motor (Marked in dark Blue)



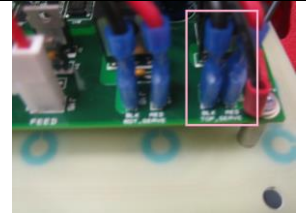
a. Top Server Motor (marked in Pink)



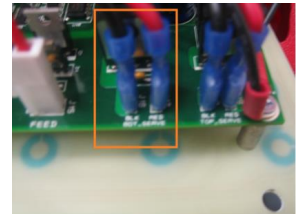
b. Bottom Server Motor (Marked in Orange)



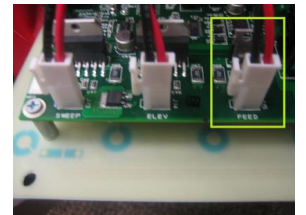
c. Feed Motor (Marked in light Green)



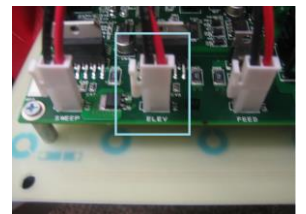
a. Top Server Motor (marked in Pink).



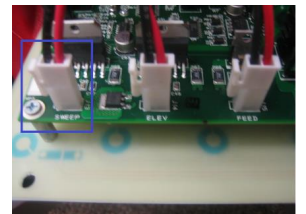
b. Bottom Server Motor (marked in Orange).



c. Feed Motor (marked in light green).

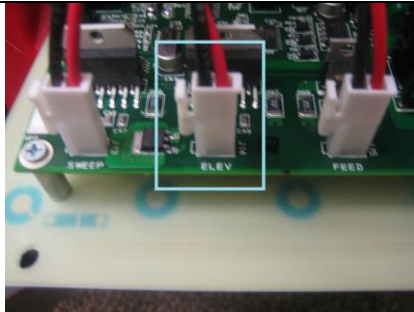


d. Elevation Motor (marked in light blue).

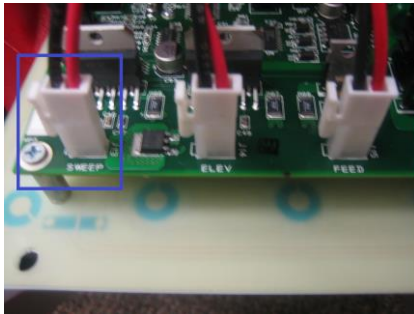


e. Sweep Motor (marked in dark blue).

Replacing and Installing a Control Panel Phenom 1 & 2

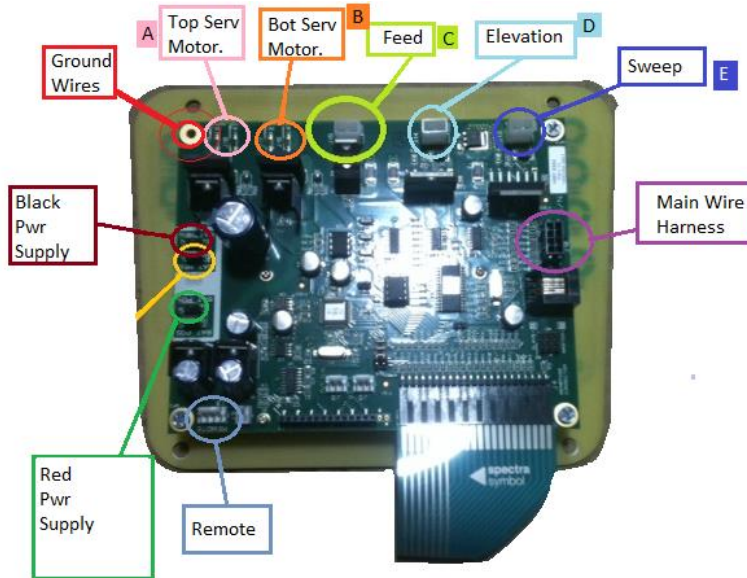


d. Elevation Motor (Marked in light Blue)



e. Sweep Motor (Marked in dark Blue)

Below is Phenom 1 & 2 Wire Reference Diagram

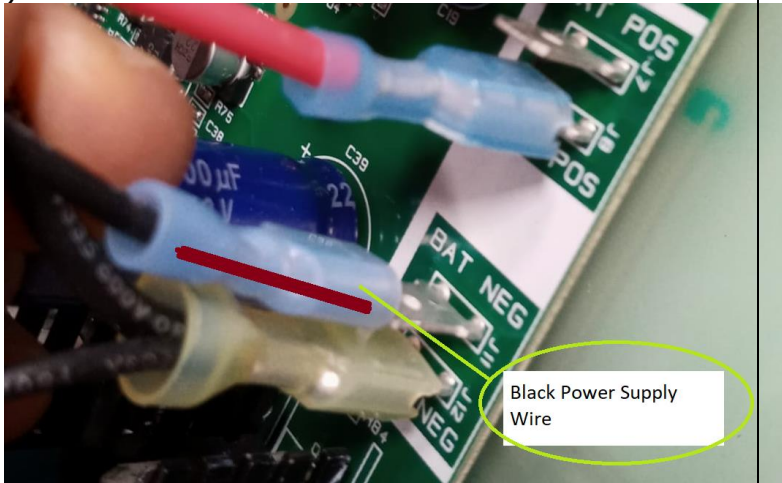


Phenom 1&2 Panel with Labels

Replacing and Installing a Control Panel Phenom 1 & 2

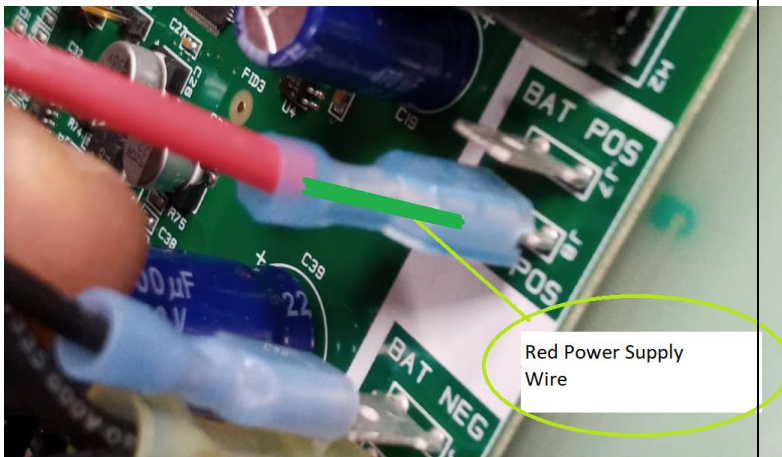
Power Wire Connection

f. Black Power Supply Wire negative (Marked in **Dark Red**).



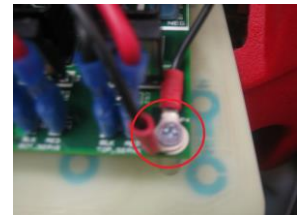
f. Black Power Supply Wire negative (marked in **Dark Red**).

h. Red Power Supply Wire (Marked in **Green**).

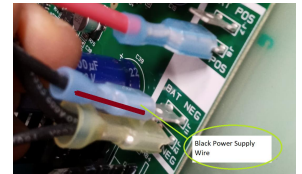


h. Red Power Supply Wire (Marked in **Green**).

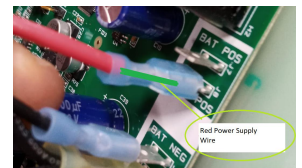
Below is Phenom 1 & 2 Wire Reference Diagram



Ground Wire Connection Screw (marked in red).

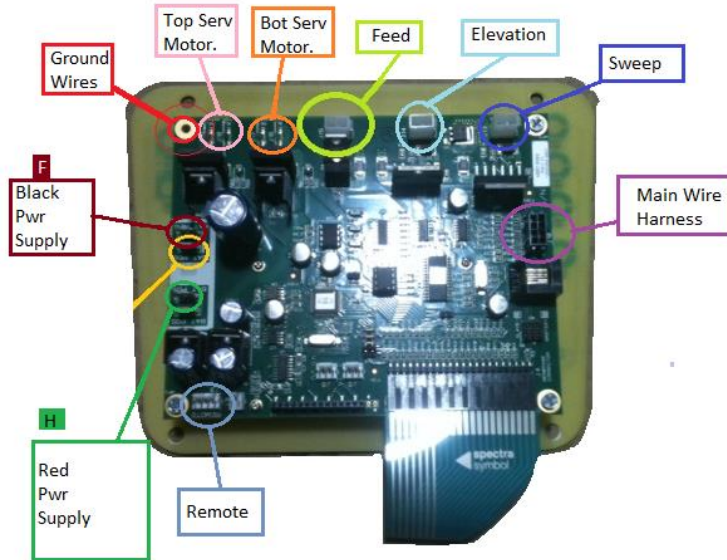


Black Power Supply Wire (marked in Dark Red)



Main Power Switch Red wire to Bat Pos (battery positive) on circuit board. J8 and J7 locations are both the same current) (marked in green).

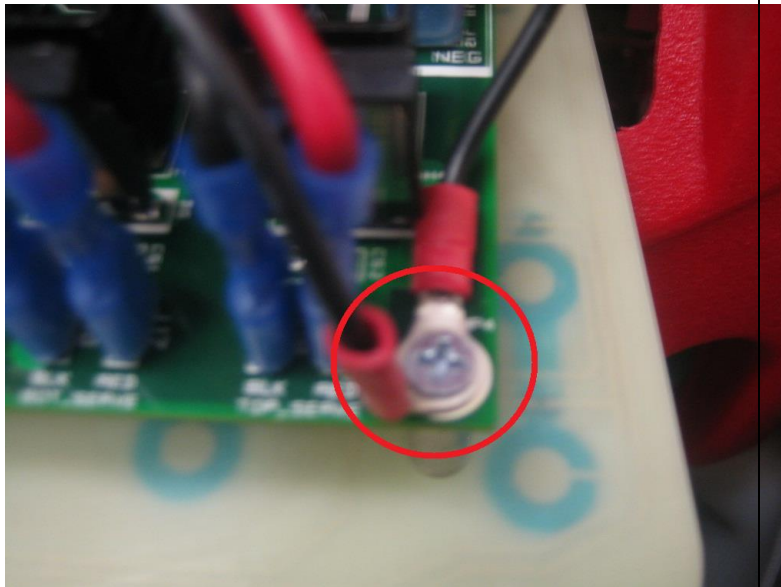
Replacing and Installing a Control Panel Phenom 1 & 2



Phenom 1&2 Panel with Labels

Ground Wire Connection

g. Ground wire (black) from feed motor (additional black wire attached to screw on feed motor) to corner ground screw on green electronic board. (Marked in **Red**).



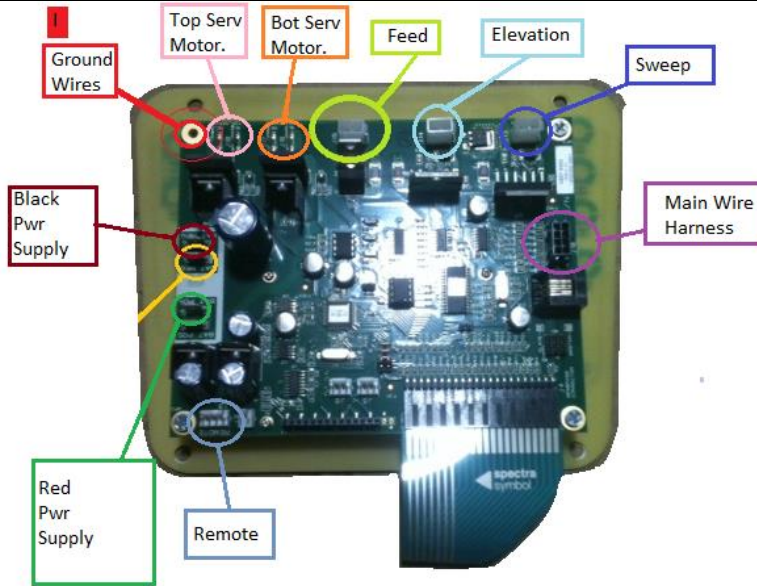
i. Ground Wires (Marked in **Red**).

Below is Phenom 1 & 2 Wire Reference Diagram



Ground Wire Connection Screw (marked in red).

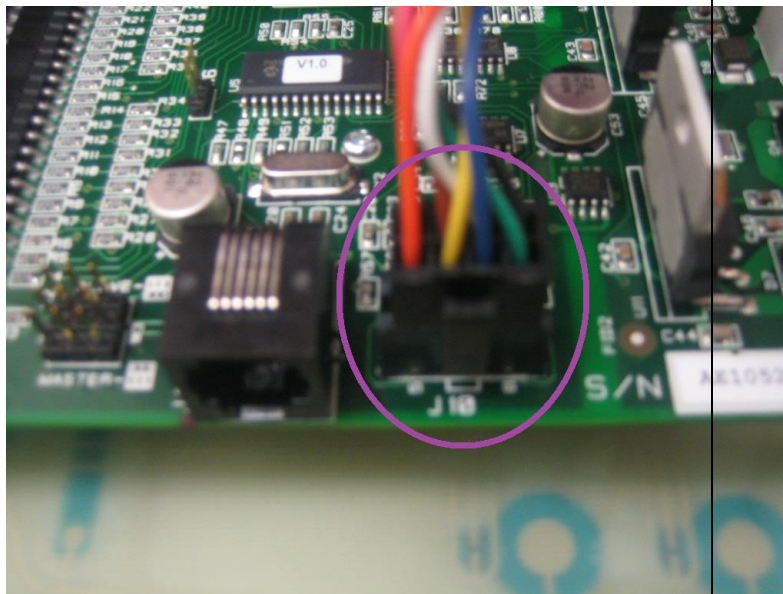
Replacing and Installing a Control Panel Phenom 1 & 2



Phenom 1&2 Panel with Labels

Sensor Harness Connection

h. Sensor Harness (multiple wire connector) to "J10" connection on board. (Marked in Purple).

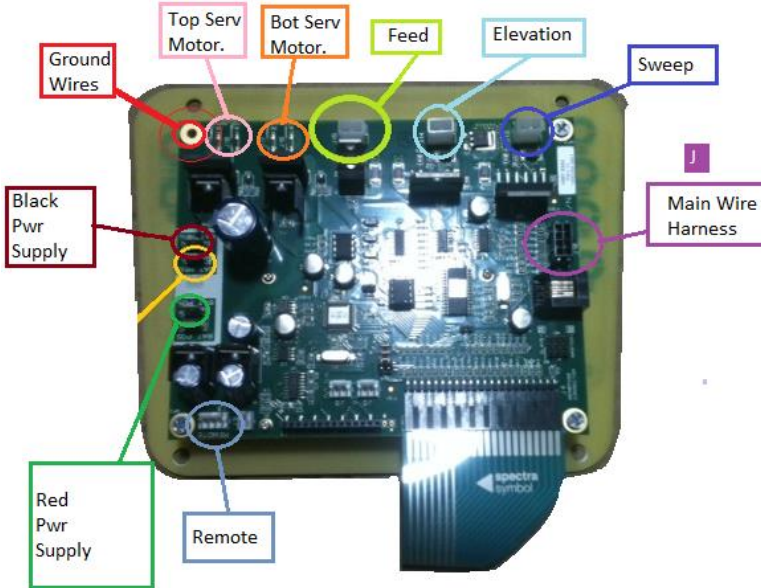


Sensor Harness Connection (marked in purple).

Sensor Harness Connection (Marked in Purple).

Below is Phenom 1 & 2 Wire Reference Diagram

Replacing and Installing a Control Panel Phenom 1 & 2



Phenom 1&2 Panel with Labels

Remote Control Connection

- i. Remote Control Receiver (multiple wire connector) if included, to connection labeled "Remote" on board. (marked in medium blue).



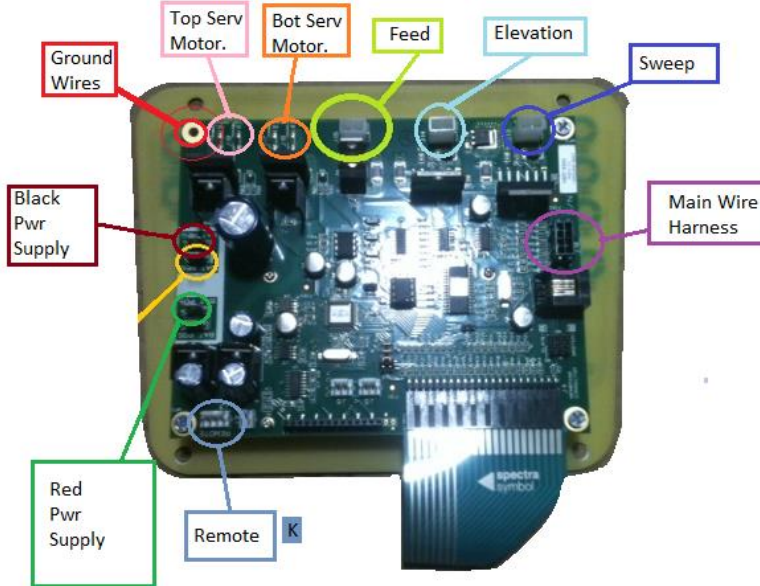
Remote (Marked in Medium Blue).

Below is Phenom 1 & 2 Wire Reference Diagram



4 pronged Remote connector jack. (marked in medium blue).

Replacing and Installing a Control Panel Phenom 1 & 2



Phenom 1&2 Panel with Labels

Reconnecting Your Battery Wires

Step 1.) With the new control panel installed, you can now reconnect the Power Cable back to your outlet.

Step 2.) You can now fasten the control panel to the red case, using the 4 black control panel screws.

Step 3.) It is important to ensure the new board is functioning properly. Once the machine is fully tested, we recommend checking the charger. *Note: If for what ever reason you find some function not working properly, first unscrew the control panel to ensure everything is connected properly, and no wire came disconnected. If you find that there are no disconnected wires, but the machine is still not starting up, please see our **"my machine won't turn on"** troubleshooting guide on our website. If upon reviewing this guide, the problem continues, please contact Customer Service at 1-818-764-6000.*



4 Control Panel Screw Locations.