
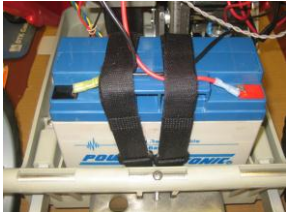





Repair Instructions

Replacing and Installing a New Control Panel

Elite Models that Apply: EL0A-EL05LE

Step	Description	Tools	Picture
1	Unscrew the (4) screws that attach the control panel to the red case.		 <p>Control Panel – Open</p>
2	Disconnect the red (positive) and black (negative) wires from the battery terminals.		 <p>Battery Terminal Wires</p>
3	Set the new control panel next to the old one. You will only disconnect and reconnect the wires that lead from the inside the machine. Do not disconnect any wires that are only on the control panel.		 <p>Control Panels</p>
4	<p>Carefully disconnect one wire or set of wires (white plastic connectors) from the control panel and reinsert them onto the new control panel in the same position. Each set of wires from the machine's motors are labeled, as well as, the connections on the green electronic board to ensure proper connection to the back of the control panel. Ensure that each wire or wire connection is firmly attached to the new control panel before disconnecting another wire.</p> <p>Below is a list of wire connections from the machine to the back of the control panel for each Elite Series machine.</p>		 <p>Labels on Motor Wires</p>  <p>Server Motor Connections</p>

Replacing and Installing a New Control Panel

EL04-EL05LE

Motor Connections

- Top Server Motor
- Bottom Server Motor
- Feed Motor (pos/neg connector)
- Elevation Motor (pos/neg connector)
- Sweep Motor (pos/neg connector)

Power Wire Connection

- Battery negative wire (black) from battery terminal to "Bat Neg" connection tab on green board. The battery negative has an attached "pigtail" wire that connects to the ground screw on the lower right corner of control panel.
- Battery positive wire (red) from battery terminal to "Bat Pos" connection tab on green electronic board.

Ground Wire Connection

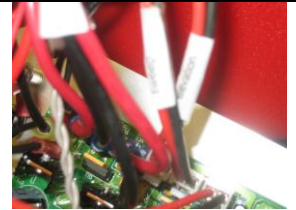
- Ground wire (black) from feed motor (additional black wire attached to screw on feed motor) to corner ground screw on green electronic board.

Sensor Harness Connection

- Sensor Harness (multiple wire connector) to "J10" connection on board.

Remote Control Connection

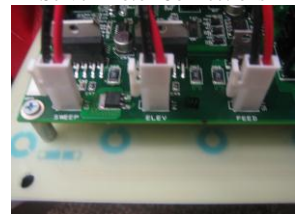
- Remote Control Receiver (multiple wire connector) if included, to connection labeled "Remote" on board.



Labels on Motor Wires



Server Motor Connections



Feed, Elevation, & Sweep Connections



"Bat Neg" & "Bat Pos" Connection



Ground Wire Connection Screw



Sensor Harness Connection

5

Repair Instructions

Replacing and Installing a New Control Panel

6

EL0L-EL03

Motor Connections

- a. Top Server Motor
- b. Bottom Server Motor
- c. Feed Motor (pos/neg connector)
- d. Elevation Motor (pos/neg connector)
- e. Sweep Motor (pos/neg connector)

Power Wire Connection

- f. Battery Negative Wire (black) from battery terminal to "Bat Neg" connection tab on green board.
Attached black pigtail wire to corner ground screw on the back of control panel.
- g. Battery positive wire (red) from battery terminal to tab on back of the reset switch.

Ground Wire Connection

- h. Ground wire (black) from feed motor (additional black wire attached to screw on feed motor) to corner ground screw on back of control panel.

Charger Jack Connection

- i. XLR Charger Jack (black negative wire to one of the tabs labeled "Bat Neg" on green board, red positive wire to tab on back of reset switch)

Remote Control Connection

- j. Remote Control Receiver (multiple wire connector) if included, to connection labeled "J22" on green board.

Note: For EL03 Models Only

- k. 2-Line Sweep Limit Switch (multiple wires)
Blue/Yellow to tabs on back of 2-Line switch.
Green to tab on green board labeled "2L".

Note: For EL02 & EL03 Models Only

- l. Triple Oscillation Motor (red positive wire to tab on back of vertical oscillation switch, black negative wire to tab labeled "Bat Neg" on green electronic board.

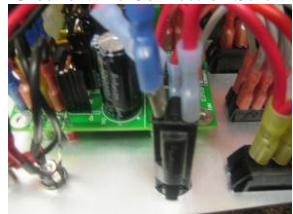
Batt neg Connections



Motor Connections



Ground Wire Connection Screw



Back of Reset Switch







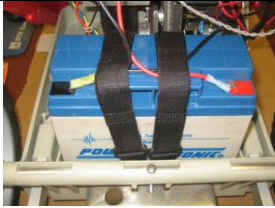

Sweep Limit Switch Connection (EL03 Only)



Vertical Oscillation Motor

Repair Instructions

Replacing and Installing a New Control Panel

7	<p>ELOA</p> <p>Motor Connections</p> <ol style="list-style-type: none"> Top Server Motor Bottom Server Motor Feed Motor (pos/neg connector) Sweep Motor (pos/neg connector) <p>Power Wire Connection</p> <ol style="list-style-type: none"> Battery Negative Wire (black) from battery terminal to "Battery -" connection tab on green board. Attached black pigtail wire to corner ground screw on back of control panel. Battery Positive Wire (red) from battery terminal to connection tab on back of reset switch. <p>Ground Wire Connection</p> <ol style="list-style-type: none"> Ground wire (black) from feed motor (additional black wire attached to screw on feed motor) to corner screw of green electronic board. <p>Charger Jack Connection</p> <ol style="list-style-type: none"> XLR Charger Jack (black negative wire to tab labeled "Smart Charge -" on green board, red positive wire to tab labeled "Smart Charge +". 		 <p>Motor Connections</p>  <p>Back of Reset Switch</p>  <p>Ground Wire Connection Screw</p>  <p>Bat Neg" Connection</p>
8	<p>Once you have connected all of the wires to the new control panel you then need to connect the battery terminal wires. Connect black (negative) and then the red (positive) wire to the battery terminals.</p>		 <p>Battery Terminal Wires</p>
9	<p>Take extra caution to feed all of the wires into the case and ensure that none are trapped between the control panel and the red case as you place the panel into position.</p> <p>Screw the control panel to the red case and turn on machine.</p> <p>If you have any difficulties or questions, or a motor or component is still not working after installing the control panel, please contact Technical Support at: 1-800-526-4041.</p>		 <p>Control Panel - Closed</p>



Repair Instructions

Replacing and Installing a New Control Panel