

<b>Date</b>	16 Jan 2014	<b>Service Note #</b>	6X00-1093	<b>Updated</b>	16 Jan 2014
<b>Product</b>	EVO 6100/6300		<b>Created By</b>	J. Yangco	
<b>Description</b>	Power Supply and Wiring Installation				

<b>Release</b>	<input checked="" type="checkbox"/>	<b>Internal</b>	<input checked="" type="checkbox"/>	<b>Distributors</b>	<input type="checkbox"/>	<b>Customers</b>
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Parts Required	Serial Numbers Affected
Power Supply (4690-0018) Wiring Assembly (2700-0052A)	(6100) 6102165 and older (6300) 6301589 and older

## Power Supply and Wiring Installation



**Reason:**

This power supply has a wider range of AC input voltage requirement that can minimize board failures due to poor AC voltage conditioning.

**Pre-requisite:**

Service Engineer or person performing this service must have proper training in servicing the instrument.

## Solution / Action



Before proceeding, discharge any static electricity from your body by touching a bare screw from the instrument. Turn off the instrument and disconnect the AC power cord.

### Step 1

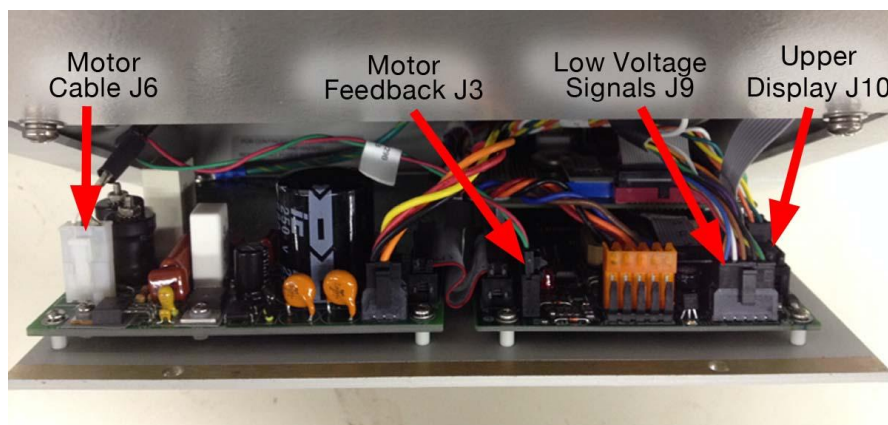
Using a 1/8 inch hex key, open the lower rear cover assembly of the instrument by removing the 2 socket head screws at the top of the door.



Step 1

### Step 2

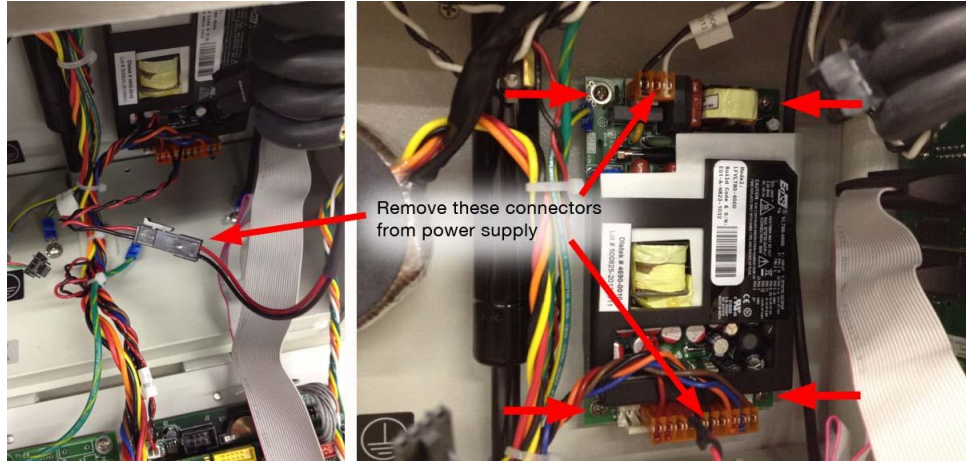
Once the screws are removed, partially open the panel until the following cables are accessible and disconnect as shown:



Step 2

**Step 3**

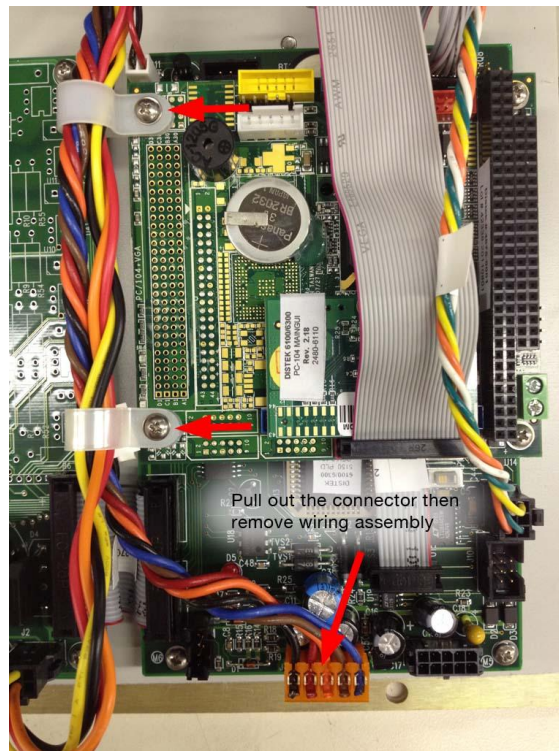
Locate the power supply and disconnect the three connectors. Remove the power supply by removing the 4 screws as shown.





**Step 3**

**Step 4**

Remove the old wiring harness by disconnecting the J9 connector and removing the harness from the wire clamps as shown.



**Step 4**

<p><b>Step 5</b></p>	<p>With the old power supply and wiring harness removed, reverse the procedure above to install the new power supply (<b>4690-0018</b>) and new wiring harness (<b>2700-0052A</b>).</p> <hr/> <div style="display: flex; align-items: center;">  <p><b>After installing the new power supply and wiring harness, leave the rear panel open until the final testing is completed.</b></p> </div>
<p><b>Step 6</b></p>	<p>Reconnect the AC power cord and turn on the instrument. Perform the following test for proper operation:</p> <ul style="list-style-type: none"> <li>6.1 Instrument initialization completed without errors.</li> <li>6.2 Start stirring at different speeds of 50, 75, 100 and 300 RPM. Verify that RPM meets specifications.</li> <li>6.3 Set temperature to all position to 37.0°C and start heating (RPM set at 100). Verify that each available vessel positions meet specifications.</li> </ul>
<p><b>Step 7</b></p>	<p>If all tests from Step 6 meet criteria, close the rear panel using the button head socket head screws.</p> <hr/> <div style="display: flex; align-items: center;">  <p><b>Please be careful not to pinch any wires or cables when closing the rear panel.</b></p> </div>