








Elite Model Liberty, 1, 2, 3, Pickle, Pickle 2 TS – My Sweep Is Not Working

Objective: To troubleshoot sweep issues for Elite EL0L, EL01, EL02, EL03, EL0P, EL0P2

	Action	Pictures
1	<p>To troubleshoot Sweep issues for the EL0L, EL01, EL02, and EL03, and EL0P, EL0P2 follow steps below.</p> <p>Section 2,3. ``Checking Sweep Motor`` <i>(Go to this section if the Sweep is not moving at all,).</i></p> <p>Section 4 ``5 Flashing lights`` <i>(Go to this section if the Charged/Charging LED is giving 5 flashing lights, then a pause and then 5 flashing lights).</i></p> <p>Section 5,6 ``Removing Red Case`` <i>(Go to this section if the Sweep moves freely and there is no resistance on the motor itself).</i></p> <p>For troubleshooting elevation issues with a Grand Series machine (EL04, EL05, EL05 LE) see Troubleshooting Grand Error Messages</p>	
2	<p style="text-align: center;">Checking Elevation Motor</p> <ol style="list-style-type: none"> 1. Unscrew control panel and pull it out and to the side. Be careful not to disconnect any additional wires. 2. Switch the Sweep and feed connections on the green electronic board on the back of the control panel. 3. Turn on machine and press the Sweep button On. If the feed wheel does not turn this control panel is failing, a new control panel (EL41B, EL41, EL42, EL43, EL52.P2) is needed. 	<div style="text-align: center;">  <p>Control Panel – Open</p> </div> <div style="text-align: center; margin-top: 20px;">  <p>Sweep & Feed Connections</p> </div>



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	<p><i>If the Sweep is still not moving, please move onto the next step below.</i></p>	 <p align="center">Sweep & Feed Connections</p>
<p>3</p>	<p align="center">Checking The Sweep Switch</p> <ol style="list-style-type: none"> 1. With the control panel still removed, find the 2 wires coming from the Sweep Switch that plug into the circuit board. 2. Remove 1 wire at a time, and reconnect it in the same location on the circuit board. Do this until all 2 wires have been unplugged and the reconnected. 3. Try turning on the machine and turn on the Sweep button, if the machine oscillates left and right, then then the problem was a bad wire connection. <i>If not move onto the next section.</i> 	
<p>4</p>	<p>6 Flashing Lights on the Charged Charging LED</p> <p><i>5 Flashing lights on the Charged/ Charging LED are an indication of a mechanical issue with the sweep, and can typically indicate build up around and with-in the motor, or can also be a problem with the circuit board itself, please follow the directions below to check.</i></p> <ol style="list-style-type: none"> 1. With the control panel unscrewed, disconnect the Sweep cable from the Sweep Tab on the circuit board. 2. Turn on the machine. If the panel stops giving 5 flashing lights on the Charged Charging LED then follow the next steps. If the panel Charged/ Charging LED is still flashing 5 times with the sweep motor wire disconnected, then the control 	 <p align="center">Sweep Connection</p>  <p align="center">Sweep Connection</p>

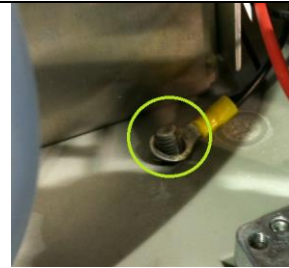


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	<p>panel is faulty and will need to be replaced.</p> <p>3. Turn OFF the machine, and reconnect the Sweep Wire to the Sweep Tab on the circuit board.</p> <p><i>If you can move the machine left and right by hand then the motor might be broken, or the link disconnected. Please continue onto the next section.</i></p>	
<p>5</p>	<p align="center">Removing the Red Case</p> <p><i>*(Make sure the machine is turned off).</i></p> <ol style="list-style-type: none"> remove the case by unscrewing the (6) screws along the bottom of the red case. Be careful not to disconnect any additional wires. There are 2 large screws in the front bottom section of the Red Case, and 2 large screws on the case side. There are 2 smaller screws located underneath the control panel that secure the red case back. 	<p align="center">Case Screws (Front & Rear)</p> <p align="center">Case Screws (Side)</p>
<p>6</p>	<p align="center">Removing The Platform</p> <p>Step 1.) Tilt the machine on its side, and use a 1/8” Allen to remove the black shoulder bolt as shown in the image below.</p>	<p align="center">Platform Shoulder Bolt link location.</p>



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Platform with Nut removed.



Platform Bolt Head

Step 2.) Using a 9/16” crescent wrench, and a 9/16” wrench, Grip the Platform Bolt Head (shown below in green) on the bottom of the platform, while also holding the nut on the inside of the machine (shown in green 2nd image) unscrew the bolt in the center of the Platform which is holding the Platform to the bottom of the machine.



Platform Bolt Head (bottom of platform outside of machine)



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Bolt Nut (on inside of machine near bottom server wheel and sweep motor).

Step 3.) With the Platform detached, position it so that the 4 rubber feet are touching the ground, and the white plastic spacer is pointing up.

Continue onto the next step.

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Checking Sweep link




Step 1.) Check to make sure the sweep link is in place. If it can be removed by pulling it OFF the sweep motor, then the spring pin is missing. If the sweep link is bent, or broken, it will need to be replaced.



Sweep Link 1



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		 <p>Sweep Link 1 with spring pin sticking out.</p>
8	<p>Checking Link 2 on the Platform</p> <p>Step 1.) The main link (link 2) for the sweep, should be attached to the platform in the location shown below (marked in green). If the link is missing, or broken, or bent, or the pim on the platform where the link connects is broken (this will show as a hole in the platform) then a new platform is needed.</p>  <p>If the issue remains after checking all these components, then you will need to contact Customer Service for a Return Authorization. 1-800-526-4041 ext.14</p>	 <p>Platform (front marked in Red, top of picture) with link and shoulder bolt connection marked in green.</p>



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Re-attaching the Platform the Chassis

Step 1.) Carefully line up the platform with the Chassis, so that the Line Marker is in the front of the machine, and the link is on the left hand side. Fasten the link(s) together (see image at the right hand side) using the black shoulder bolt.

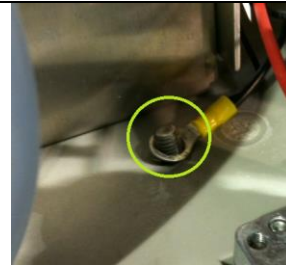
Step 2.) Push the ½ inch platform bolt thru the bottom of the platform, so that the threaded edge is popping out of the top/middle of the chassis.

Step 3.) Put the Battery Negative Ground Loop over the threads of the ½ inch platform bolt, and cap it off with the nut (this in on the inside of the machine).

Step 4.) Tighten the nut and platform bolt until the nut can be turned by your thumb and index finger.

**If the platform bolt is tightened too much, this can cause the motor to weaken and possibly break.*

Step 5.) Put the link back up so that you can thread the Shoulder Bolt through and tighten it with the 1/8 allen wrench.



Platform with Nut removed.



Platform Bolt Head



Platform Shoulder Bolt link location.

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Putting The Case Back On The Machine

1. Lift the case over the unit, and guide it over until the yoke pointer is facing the ball exit, and the back panel is facing the handle assembly.

2. Screw in all 6 case screws.



Case Removed



Case Screws (Front & Rear)



Case Screws (Side)



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