





## Elite Model, 1, 2, 3, Pickle 2 TS – My Elevation Is Not Working

*Objective:* To troubleshoot elevation issues for Elite EL01, EL02, EL03, EL0P2

	Action	Pictures
1	<p>To troubleshoot elevation issues for the EL01, EL02, and EL03, and EL0P2 follow steps below.</p> <p>Section 2,3. ``Checking elevation Motor`` <i>(Go to this section if the elevation is not moving at all, or moving in 1 direction, or moving just a little).</i></p> <p>Section 4 ``6 or 7 Flashing lights`` <i>(Go to this section if the Charged/Charging LED is giving 6 or 7 flashing lights, then a pause and then 6 flashing lights).</i></p> <p>Section 5,6 ``Removing Red Case`` <i>(Go to this section if the elevation moves freely and there is no resistance on the motor itself).</i></p> <p><b>For troubleshooting elevation issues with a Grand Series machine (EL04, EL05, EL05 LE) see Troubleshooting Grand Error Messages</b></p>	
2	<p style="text-align: center;"><b>Checking Elevation Motor</b></p> <ol style="list-style-type: none"> <li>1. Unscrew control panel and pull it out and to the side. Be careful not to disconnect any additional wires.</li> <li>2. Switch the elevation and feed connections on the green electronic board on the back of the control panel.</li> <li>3. Turn on machine and press either direction of the elevation button. If the feed wheel does not turn this control panel is failing, a new control panel (EL41B, EL41, EL42, EL43, EL52.P2) is needed.</li> </ol> <p><i>If the elevation is still not moving, please move onto the next</i></p>	 <p style="text-align: center;">Control Panel – Open</p>  <p style="text-align: center;">Elevation &amp; Feed Connections</p>





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1. With the control panel unscrewed, disconnect the Elevation cable from the Elevation Tab on the circuit board.
2. Turn on the machine. If the panel stops giving 6 or 7 flashing lights on the Charged Charging LED then follow the next steps. If the panel Charged/ Charging LED is still flashing 6 or 7 times with the elevation motor wire disconnected, then the control panel is faulty and will need to be replaced.
3. Turn OFF the machine, and reconnect the Elevation Wire to the Elevation Tab on the circuit board.
4. Using the Top and Bottom Server Wheels (inside the front opening of the machine), grab the top wheel with one hand, and the bottom wheel with another. To raise the elevation manually, push away from you on the Top wheel, while pulling towards you on the Bottom wheel (*You should feel resistance and hear the motor gears moving as you do this, be careful not to push with too much strength, as this might cause the Elevation motor to break*). To lower the elevation, Pull the Top wheel towards you as you push the Bottom wheel away from you.
5. Repeat step 4- 3 to 6 times, this should help move some of the debris out of the way. If you hear a snap and the elevation moves easily (with no resistance) then a new elevation motor is needed.
6. Turn on the machine and try adjusting the elevation using the button.

*If you go to manually adjust the elevation, and find that there is no resistance and you can move it down by hand, and when you let go gravity causes the elevation to raise by itself, this can indicate a broken motor, or the elevation link has become dis-attached from the Yoke Assembly. Please continue onto the next section.*



Elevation Connection





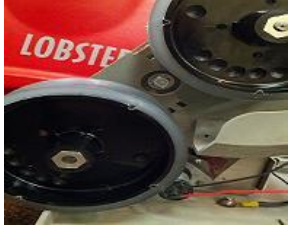
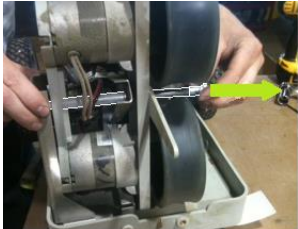

Elevation Connection



Server Wheels



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<b>5</b>	<p style="text-align: center;"><b>Removing the Red Case</b></p> <p><i>*(Make sure the machine is turned off).</i></p> <ol style="list-style-type: none"><li>1. remove the case by unscrewing the (6) screws along the bottom of the red case. Be careful not to disconnect any additional wires.</li><li>2. 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.</li></ol>	 <p>Case Screws (Front &amp; Rear)</p>  <p>Case Screws (Side)</p>
<b>6</b>	<p style="text-align: center;"><b>Removing The Yoke Assembly</b></p> <ol style="list-style-type: none"><li>1. Take off your server wheels by unscrewing the set screw, and sliding the wheels off of the server motor shafts.</li><li>2. With the front end of the machine facing you (the pointer closest to you, and the handle furthest from you), remove both of the server wheels.</li><li>3. Passing through the center of the Yoke and the davit assembly is the Yoke Bolt. (This bolt has a nut holding it on the end of the Davit Right). Using a Crescent Wrench and a 9/16" Wrench, unscrew and remove the Yoke Bolt (Hold onto the Bolt side between the Server Wheels with the Crescent Wrench, and use the 9/16" Wrench to hold onto the nut on the opposite end of the bolt), and remove the Small and Larger Spacer, and the 3 to 5 washers. <i>*(Carefully set these in separate safe location for later use.)*</i></li></ol>	 <p>The Server wheels.</p>  <p>The Yoke Bolt being removed.</p>  <p>Elite 1 link and shoulder bolt</p>



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(Elite model 1 link, shoulder bolt, location)



Elite 2&3 and Pickle 2 link and shoulder bolt.



(Elite model 2&3 and Pickle 2, link, shoulder bolt, location).

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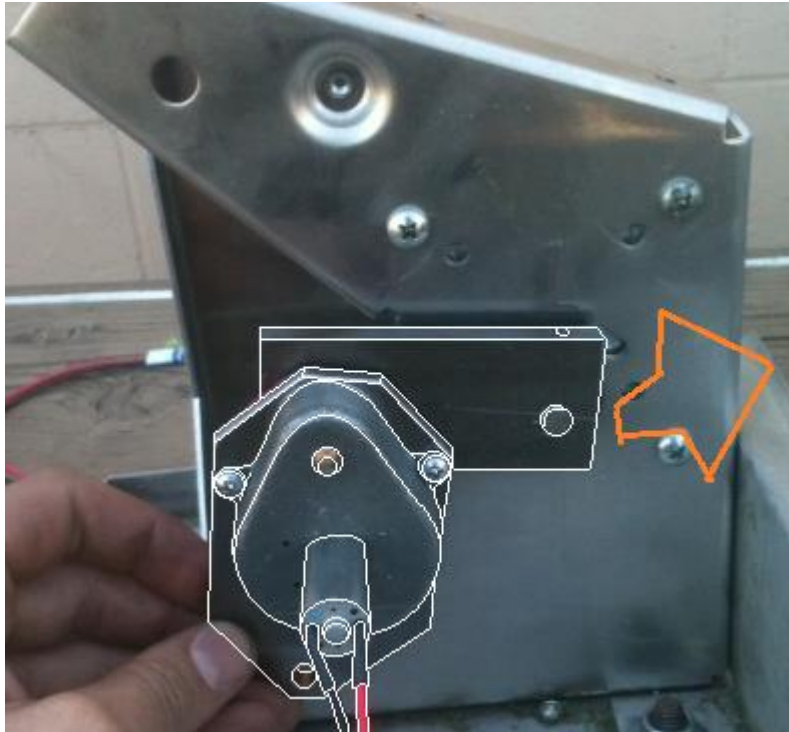
#### Checking the Link on the Elevation Motor

1. Check to see if you can move the link off away from the motor shaft (as shown on the 2 images below, the orange arrow indicates the direction it would come off, perpendicular

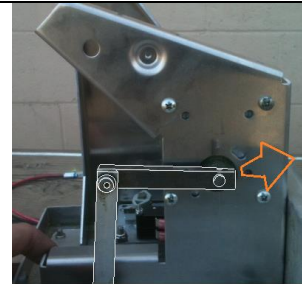


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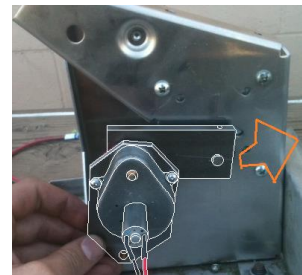
to the link and elevation motor.). If you can remove the link at the elevation motor shaft, then the spring pin is broken, and you will need to order a new spring pin.



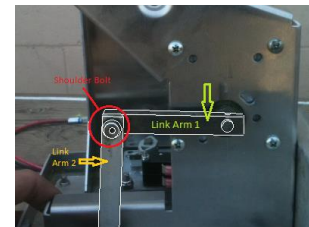
Elite 2 & 3 link



Elevation Link showing where it attaches to elevation motor (Elite 1 and Pickle 2)



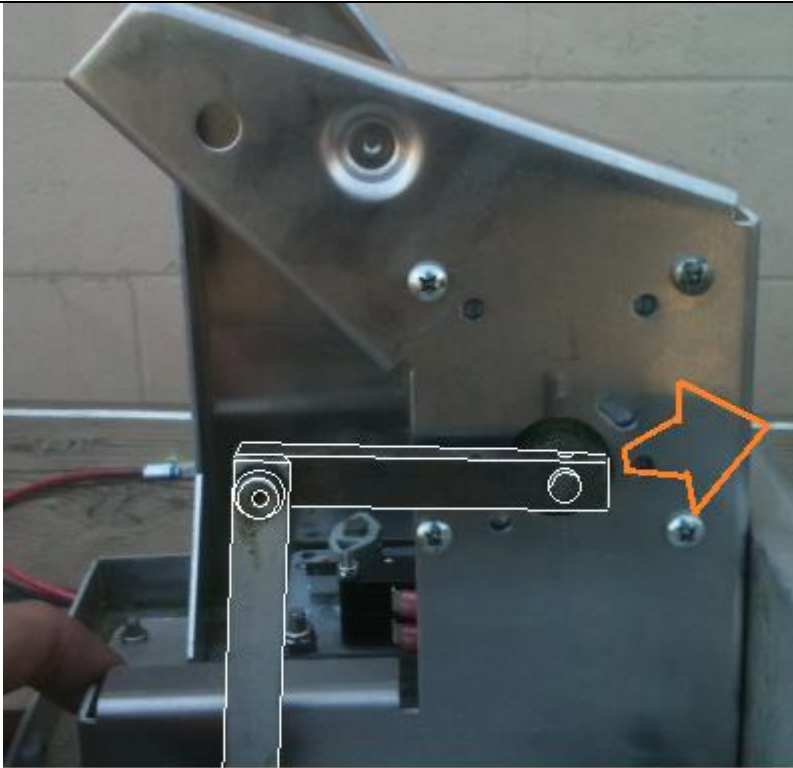
Elevation Link showing where it comes off of elevation motor (Elite 2 & 3).



Link arm 1, 2, and should bolt for elite 1 and pickle 2 elevation.



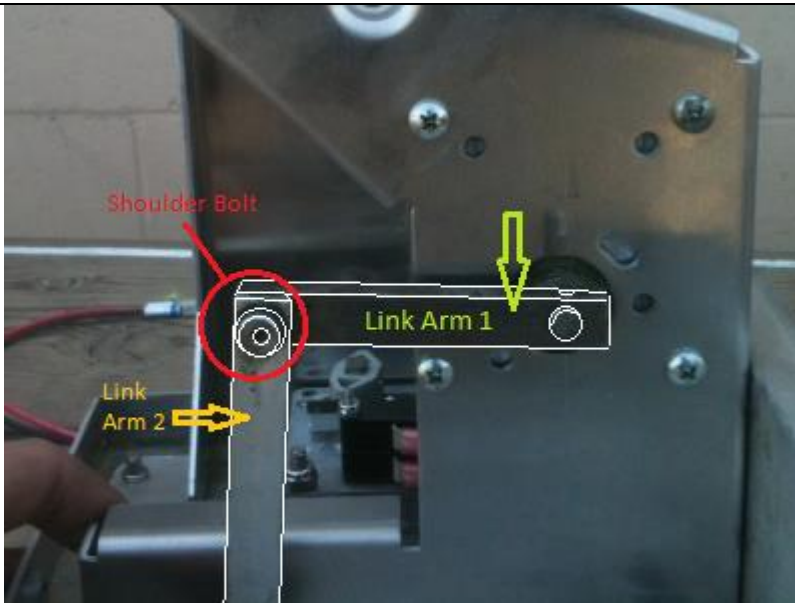
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Elite 1 and Pickle 2 elevation link

2. For the elite 1 and Pickle 2 machines, check to make sure the Should Bolt attaching link arm 1 and link arm 2 is present. If both arms are away from each other, you will need to re-attach them with a shoulder bolt. (*if your shoulder bolt is missing you will need a new one, item E363*).

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*If the Elevation link is firmly attached to the elevation motor shaft, and the link is not missing the should bolt (for elite 1 and Pickle 2 machines) then continue on to the next section.*

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### Putting the Yoke Back On to The Davit.

1. Lift up the Yoke Assembly and slide onto the Davit Assembly so that the Yoke Wheel portion of the yoke is on the right of the Davit Center, and the Motor Support Bracket is in-between the Davit Right and the Davit Center.

2. Slide the long bolt threw the hole in the yoke, which passes from the right of the yoke, all the way to the left. (Please follow the diagram below which shows where the yoke spacer long, and short, and washers belong.)

Using a Washer and the yoke bolt nut, tighten until the yoke is secure. (*\*Do NOT over tighten the yoke or your elevation will not move.\**)

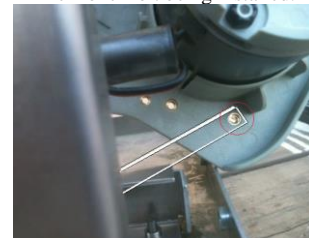
3. Use the nut and bolt you set aside from earlier to attach the elevation link to either location shown below. (The location differs from Elite model 1, Pickle 2, and model 2&3.)



The Server wheels.



The Yoke Bolt being installed.



Elite 1 link and shoulder bolt





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(Link to Shoulder Bolt location Elite 1 Pickle 2).



(Link to Should Bolt location Elite 2&3)



Elite 2&3 and Pickle 2 link and shoulder bolt.



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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)