





Pickle 3 Champion

TS- My Machine Has Top/ Bottom Over-current Server Motor Error.

TS- My Machine Has Top/ Bottom Feedback Server Motor Error.

Action	Picture
<p>The more common statements regarding over-current bottom server and top server errors are the following:</p> <ul style="list-style-type: none"> • “My server wheels don’t spin.” • “There is an error message and it does not move.” • “I tried to run a drill and it gave me a server error message.” <p>This indicates one of the following:</p> <ul style="list-style-type: none"> • A ball jam keeping the wheels from spinning (See <i>Ball Jam, Step 1.</i>) • One of the server wheels is loose. (See <i>Install Guide for Server Wheels, Step 2.</i>) • There is debris (e.g. dirt, ball fuzz etc.) in machine blocking the sensors. (See <i>Tips for Cleaning Machine, Step 3.</i>) • Might Be Missing A Magnet (See <i>Checking the Magnets, step 4.</i>) • Possible Cut Vein Sensor Harness Wires (See <i>Checking Vein Sensor Harness Wires, step 5.</i>) • Possible bad Top or Bottom server motor (See <i>Checking Server Motors, step 6.</i>) <u>APPLIES TO INTERNAL BATTERY MACHINES ONLY</u> 	 <p>Over-Current Error Message Display.</p>
<p style="text-align: center;"><u>To Remove Ball Jam</u></p> <p>Step 1.)</p> <p style="text-align: center;"><i>(NOTE: *Please perform this in an open area as ball(s) will be shooting out of the machine!)</i></p> <ol style="list-style-type: none"> 1. With the machine on, tilt the machine back 35 degrees and wait for machine wheels to spin. 	 <p>(Machine tilted back 35 degrees)</p>

2. Once machine wheels are spinning carefully put machine back down on all 4 feet. (**Do not observe machine wheels spinning only listen for low humming noise coming from front of machine as balls will shoot out of the machine**).
3. Once balls have shot out of the machine, turn the machine off.
4. Remove the red case by unscrewing the 6 phillips-head screws located along the bottom of the red case. (2-front, 2-rear, one on each side)
5. Gently lift off of machine being careful not to disconnect any wires.
6. With the case removed, be sure to check around any and ALL crevasses where a ball could fall. (Be sure to check below the bottom server wheel, as sometimes a ball can get stuck and keep the elevation from moving to its lowest point and put excess stress on the motor.)
7. If there are no more balls inside of the unit, then try turning it on again, if the issue remains, continue onto the next steps.

If This does not solve error message proceed to Step 2.



(Machine released back on all 4 feet.)



Case Screws (Front & Rear)



Case Screws (Side)



Case Removed




Step 2.) **Checking For Loose Server Wheels.**

1. Locate the Set Screw use a 1/8" Allen Wrench to tighten the set screw (Clockwise) 1/16" distance from the motor shaft.
2. Make sure both server wheels are line up with each other and are not rubbing against the motor shaft.

If This does not solve error message proceed to step 3.



(Server wheel with 1/8" Allen Wrench in set screw.)

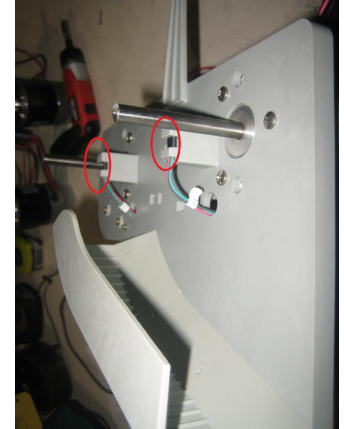
	 <p>(Server wheel 1/16" from motor shaft.)</p>
<p>Step 3.)</p> <p style="text-align: center;"><u>Cleaning Debris From The Machine</u></p> <ol style="list-style-type: none"> 1. Using a vacuum with hose extension, move around the chassis rim removing all the ball fuzz and debris. BE SURE NOT TO VACUUM UP ANY WIRES! 2. Once all debris is cleaned out of the machine, put the case on and tighten all 6 case screws. 3. Turn on machine to check and see if error message appears or not. <p>If the error message appears, continue on to the next step.</p>	
<p>Step 4.)</p> <p style="text-align: center;"><u>Checking the Server Wheel Magnets</u></p> <ol style="list-style-type: none"> 1. The server wheels have 4 magnets located in the middle section of the wheel, equal distance from each other. If a magnet is the wrong direction, or if the magnet is missing this can cause an error. Using the tip of a screw driver or allen, touch the 4 locations on the Top and Bottom server wheels. All 8 magnets (4 for the top and 4 for the bottom wheel) should have the same polarity and attract the screw driver or allen. 	 <p>Server Wheel showing all magnets.</p>
<p style="text-align: center;"><u>Checking the Top and Bottom Snap-in Sensors</u></p> <p>Step 1.) Unscrew the set screw attached to the server wheels, and pull them off.</p>	 <p>Server Wheel Set Screw</p>



Step 2.) With the server wheels removed you now have access to the Top and Bottom snap in sensors. Carefully push and pull on the 3 red, green, and black wires to ensure the snap in sensors are securely in place. Check the make sure the snap in sensor wires are not cut or torn. If one of the snap in sensors comes out, simply push it back in place until it clicks.



Top and Bottom Server Motor Snap-in Sensor Wires



Top and Bottom Server Motor Snap-in Sensor Wires (marked in red)



Server Wheel Set Screw

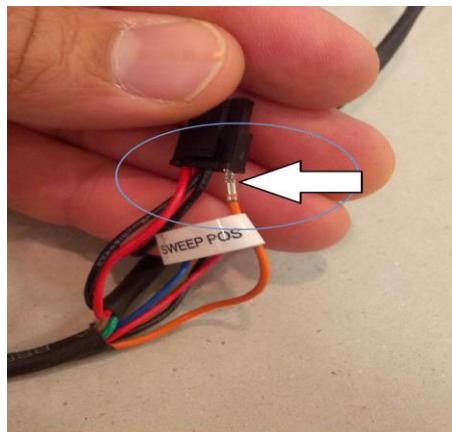
(marked in red)

Step 3.) Put the server wheels back on the server motor shaft Attach the new server wheel 1/16” from the server motor. It is important that the wheel hub does not touch the server motor and that both server wheels are aligned directly over each other. Tighten the set screw to the flat of the server motor shaft. Make sure the bottom and top server wheels are flush, and aligned with the ball chute.

Checking Vein Harness
(Wire Harness)

Step 5.)

1. Check the small multicolored wires coming out of the Vein Harness Assembly. Check to see if any of these wires are cut or smashed.



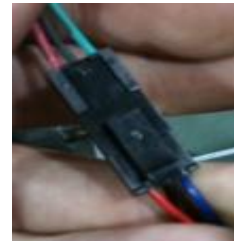
(Vein Harness with disconnected terminal pictured above.)

*(Follow quick-connect instructions and diagrams below to make sure all wires are connected to the correct harness plugs.)

2. Disconnect the Snap In sensor, and reconnect it one at a time. Make sure the labels match up.
3. **Diagram A.)** Bottom Server Motor wire (red, black, and white).



(Vein Harness wires unplugged.)



(Vein Harness wires plugged-in)

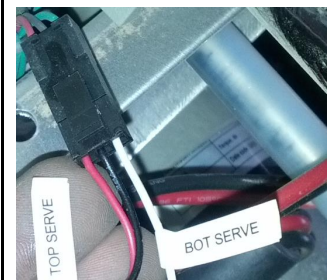


Diagram A.) Bottom Serve Motor connection red, black and white.



Diagram B.) Top Server Motor wire (red, black, and brown).

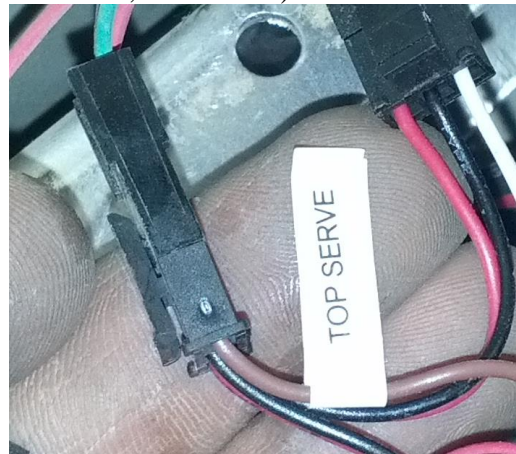


Diagram C.) Elevation Home wire (red, black, and green).

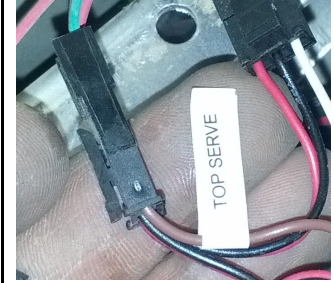
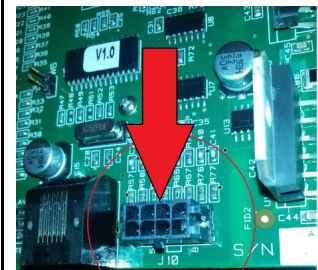


Diagram B.) Top Server Motor connection red, black, and brown.

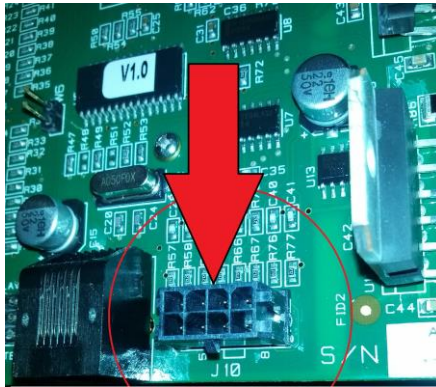


Diagram C.) Elevation Home connection red, black, and green.



Vein Sensor Harness circuit board connection location (J10).

4. Unscrew the control panel, and check the Vien Sensor Harness connection (marked as J10) on the circuit board. Disconnect this by pinching on the two longer sides, and pulling up. Blow it out and then reconnect it.

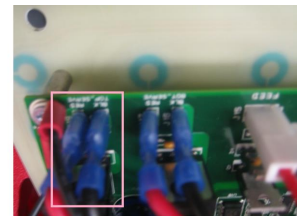


Checking the Server Motors

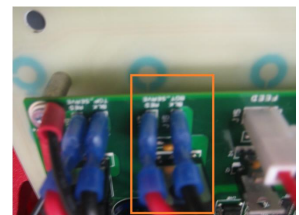
NOTE: *This ONLY applies to machines with an Internal Battery.*

Step 6.)

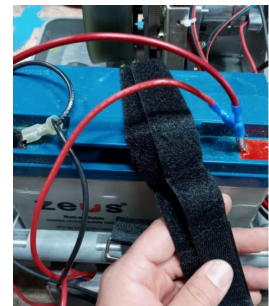
1. With the control panel unscrewed, and the red case placed back over the machine (no need to tighten all 6 screws in yet), find the Top and Bottom server motor wires. *The Top and Bottom server motor wires are a pair of red and black wires side by side with a blue connection tab. They are located to the left of the 3 white rectangular tabs that say (feed, sweep, and elevation).*
2. If the error message is a "Feedback" or "over-current" Top server motor, or Bottom server motor, you will want to remove the Top server motor, or Bottom server motor wires (red and black) labeled as such on the edge of the circuit board. Disconnect these wires, and then proceed to disconnect the battery terminal wires (the 2 red wires on the positive, and the black wire on the negative terminal on the battery).



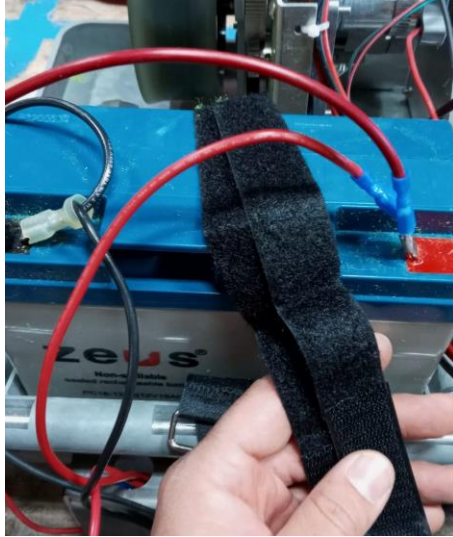
Top Server Motor (marked in Pink).



Bottom Server Motor (marked in Orange).

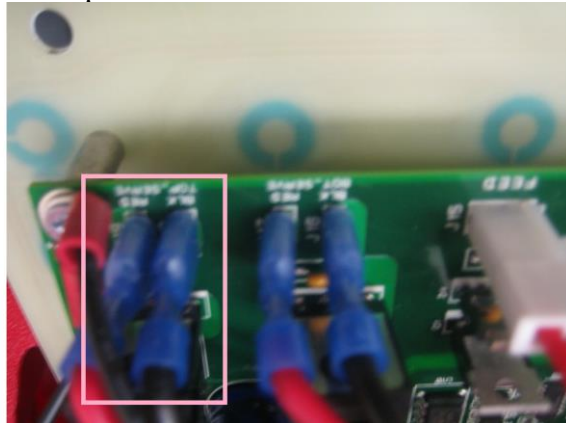


Battery Terminals (grand series).

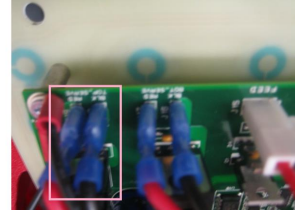


Battery Terminals (grand series).

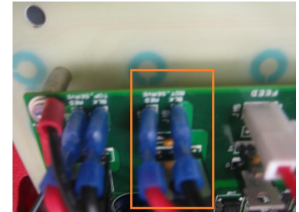
3. Connect (or make contact) the red Top Server (or bottom server wires depending on if the error message indicated the Top server or bottom server motor), Red to the red terminal (positive) and black to the black terminal (negative). If the motor does not spin, then the server motor is the culprit, and needs to be replaced.



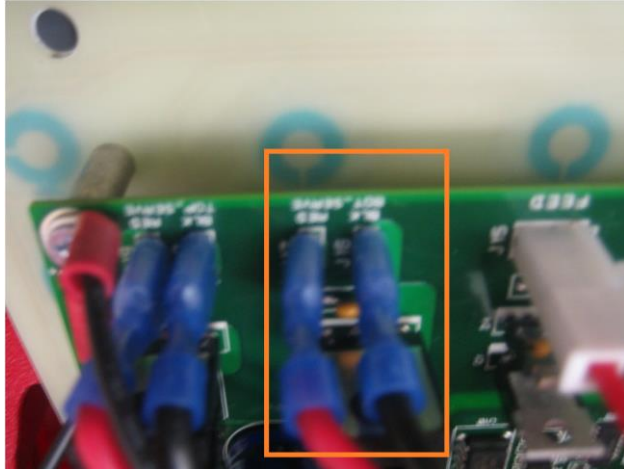
Top Server Motor (marked in Pink).



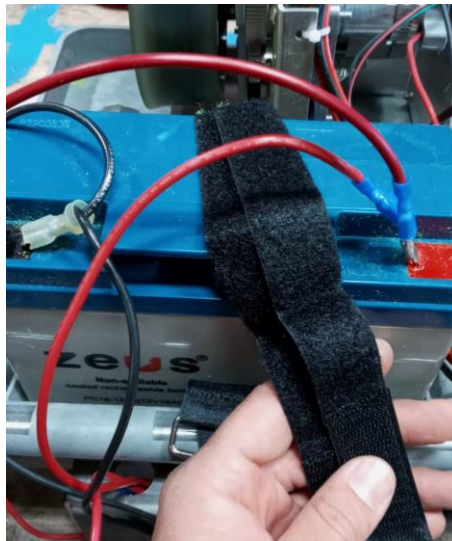
Top Server Motor (marked in Pink).



Bottom Server Motor (marked in Orange).

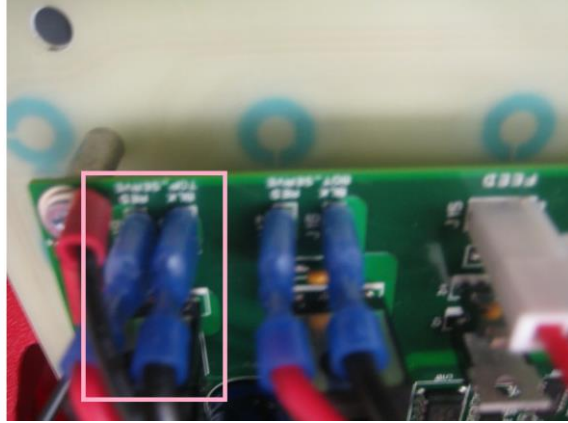


Bottom Server Motor (marked in Orange).

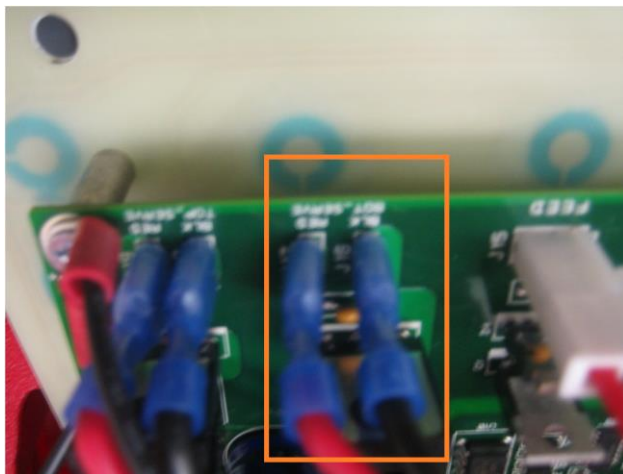


Battery Terminals (grand series).

4. After testing the motors, you can put the battery terminal (red wires to red terminal on the battery, and black wire to black terminal of battery) back in place. You can then reconnect the Top, Bottom motor server wires that you previously disconnected, back to their appropriate locations on the control panel.



Top Server Motor (marked in Pink).



Bottom Server Motor (marked in Orange).

**If the issue continues please contact Lobster Sports
Customer Support at 1-800-526-4041 ext.14, to get a
Repair or Warranty Repair Return Authorization.**