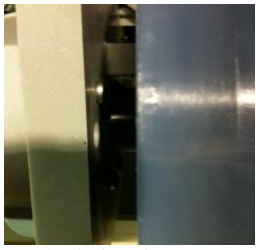
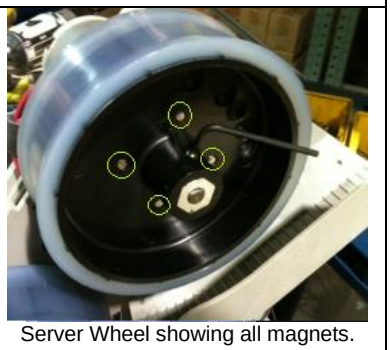
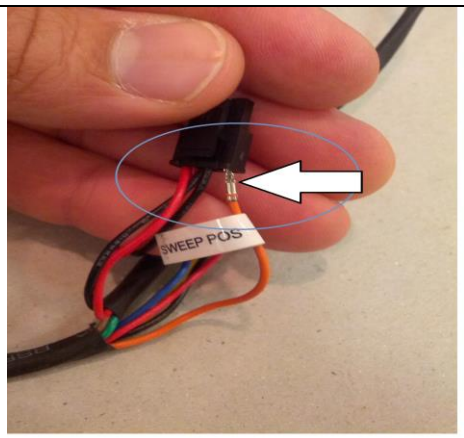
Elite Grand Series

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

	Action		Picture
	The more common statements regarding over-current bottom server and top server errors are the following: • **"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."** This indicates one of the following: • **A ball jam keeping the wheels from spinning (See** *Ball Jam, Step 1.***)** • **One of the server wheels is loose. (See** *Install Guide for Server Wheels, Step 2.***)** • **There is debris (e.g. dirt, ball fuzz etc.) in machine blocking the sensors. (See** *Tips for Cleaning Machine, Step 3.***)** • **Might Be Missing A Magnet (See** *Checking the Magnets, step 4.***)** • **Possible Cut Vein Sensor Harness Wires (See** *Checking Vein Sensor Harness Wires, step 5.***)**		 Over-Current Error Message Display.
	<u>To Remove Ball Jam</u> **Step 1.)** *(NOTE: *Please perform this in an open area as ball(s) will be shooting out of the machine!)* 1. With the machine on, tilt the machine back 35 degrees and wait for machine wheels to spin. 2. Once machine wheels are spinning carefully put machine back down on all 4 feet. (**Do**		 (Machine tilted back 35 degrees)

	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.)
	<u>Checking For Loose Server Wheels.</u> **Step 2.)** 1. Locate the Set Screw use a 1/8" Allen Wrench to tighten the set screw (Clockwise) 1/16"'s 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.)  (Server wheel 1/16" from motor shaft.)
	<u>Cleaning Debris From The Machine</u> **Step 3.)**		

	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. **If the error message appears, continue on to the next step.**		
	<u>Checking the Server Wheel Magnets</u> **Step 4.)** 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.		 Server Wheel showing all magnets.
	<u>Checking Vein Harness</u> (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 wires unplugged.)  (Vein Harness wires plugged-in)



(*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).

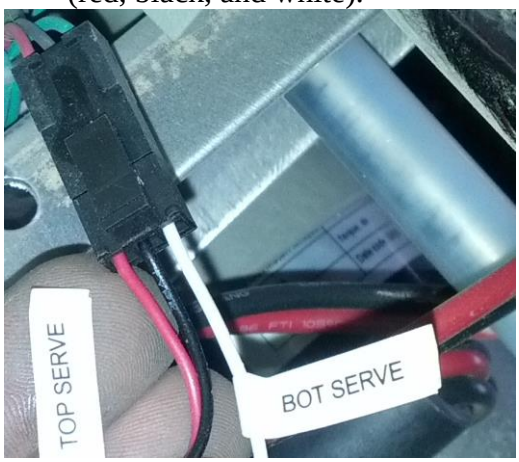


Diagram B.) Top Server Motor wire (red, black, and brown).

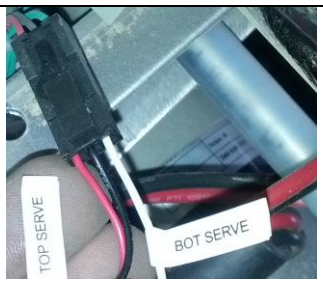


Diagram A.) Bottom Serve Motor connection red, black and white.

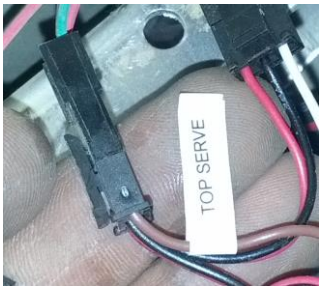
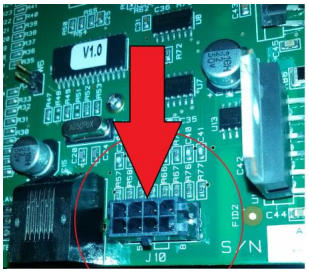


Diagram B.) Top Server Motor connection red, black, and brown.

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



Vein Sensor Harness circuit board connection location (J10).

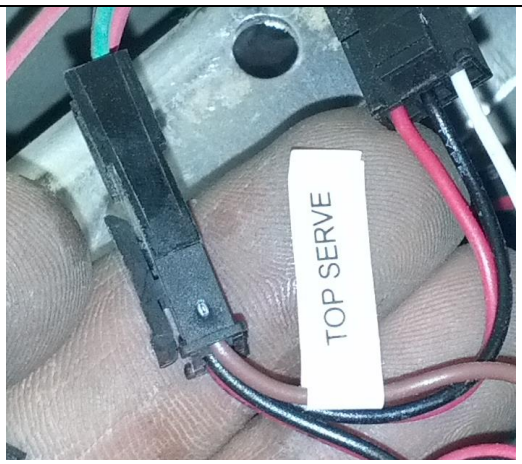
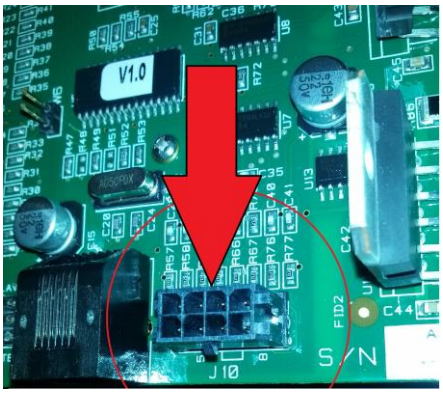


Diagram C.) Elevation Home wire (red, black, and green).

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.



	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.		

Author: JJ Contributors: CT, Ilan,RR Date:11-21-11 Revisions: 12/23/2021