


Trouble Shooting Instructions

I have an Over-Current or Feedback Elevation Motor Error Message on my Phenom Machine. "Trajectory not moving up or down"

Phenom series 1&2

Step	Description	Tools	Picture
	<p>The more common statements regarding Feedback or over current error messages are...</p> <ul style="list-style-type: none"> • "My machine stopped working and the screen says Over Current error." • "My machine stopped working and says Feedback error." • "My Machine says Over Current Elevation Error." • "My Machine says Feedback Elevation Error." <p>The most common reason for these error messages are:</p> <ul style="list-style-type: none"> • A wire on the sensor harness has become unplugged or damaged. A sensor disc needs to be rotated. • A ball has made its way back into the machine and rattled inside the machine enough to dislodge a wire or sensor. • The machine needs to be cleaned out from any ball fuzz, debris or dirt that may cause interference with the sensors. • A magnet is missing or became dislodged. 		

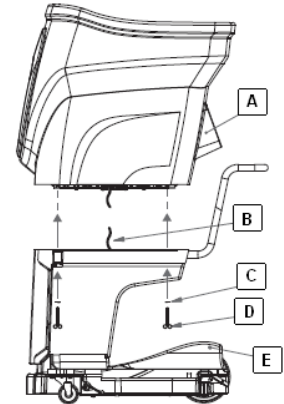
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1

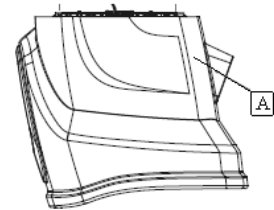
Removing the Top Half of the Phenom Unit.

1. First you must remove the control board by unscrewing the 4 Philips head screws. Then unplug the feed plug (Red wire for Battery Pos, Black wire for Battery Neg). Unscrew the battery Ground wire(s) (marked in Green on the diagram to the Right). Disconnect the Feed motor (marked in Red on the diagram to the right). Disconnect the Remote (if you have one installed).
2. Detach the Top of the Phenom from the Bottom by removing the 4 wing-nut screws holding them together. Carefully tilt the Top unit 45 degrees to disconnect the power cable.
3. Once the power cable has been disconnected Place the top unit upside down on the ground, Remove the 12 Philip head screws located along the bottom edge of the platform with a drill gun if possible.

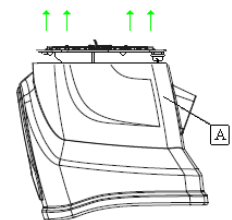


Lobster Phenom with labeled components.

(Base Unit separate from Hopper Unit).



Top Portion of Hopper Unit upside down with bottom plate exposed.



Phenom Internal Platform Assembly being removed from Upper Hopper Unit.



Diagram A.)

Ground wire location. (Green)
Feed Motor location. (Red)

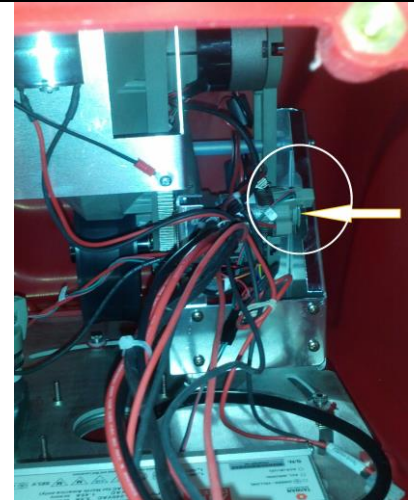
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Checking for Elevation Magnet.

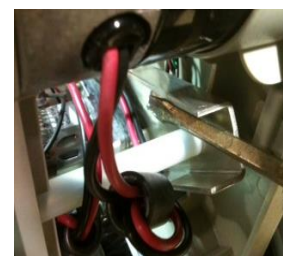
1. The magnet screw 1/4" is located to the left of the pointer, (on the inner metal section of the Davit Center.) behind the white yoke spacer (you can see the screw threading poking through the domed shape on the Davit Center.).
2. Take your paper clip or flat-head screw driver tip, and touch the 1/4" screw thread you located. If it attracts to the screw bottom, then the magnet is in place.



Inside of Phenom showing elevation location.



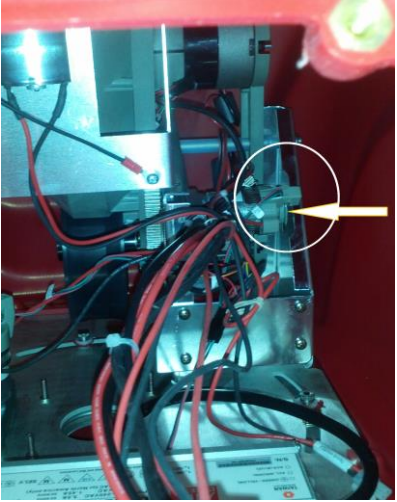
Davit Center.
(1/4" set screw)



1/4" set screw

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<p>3</p>	<p>Checking for balls within the inside base of the unit. MAKE SURE THE MACHINE IS TURNED OFF.</p> <ol style="list-style-type: none"> 1. Reach inside to the left careful as to not pull or yank any of the fragile cables. If a ball is found remove it carefully as it may be tangled within other wires. 2. Removing the control board will provide another angle from the rear to check for balls. To do this simply remove the 4 black screws holding in the control board. Gently pull the board out carefully and allow the board to hang from the wires to get a good look inside. 3. Reach inside to the right and find the elevation motor and please see below: "Checking the timing disc". 	
<p>4</p>	<p><u>Cleaning Debris From The Machine that may cause miscommunication between the sensors.</u></p> <ol style="list-style-type: none"> 1. Using a vacuum with hose extension, move around the Platform rim removing all the ball fuzz and debris. BE SURE NOT TO VACUUM UP ANY WIRES! 2. If available use an air compressor to blow out the machine especially around the motors and control board area. If an air compressor is not available then a can of keyboard cleaner (compressed air) will also do the trick. 3. Some ball fuzz and or natural debris will be so thick that it will require a hand or 2 to remove from the machine. <p>If these steps do not fix the issue proceed to the next step.</p>	

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Checking the Timing Discs

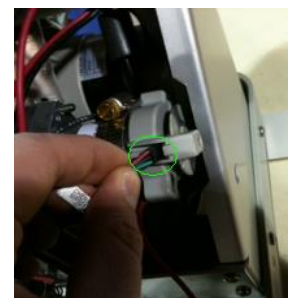
1. Just above the Snap-In sensor, and little bit to the right of it, there is a disc mounted on-top of the motor. This is known as the Timing Disc. Sometimes the motor can seize up, and the disc can become "stuck" in place. This is generally fixed with the help of your index finger.
2. Use your index finger to rotate the Timing Disc clockwise, and then counter clockwise. If it feels like the disc is stuck in place go ahead apply a small amount of force to try and get it unstuck. If the disc winds up and shoots back in the opposite direction then it may be possible that the motor will need to be replaced.



Elevation Motor (Timing Disc highlighted in green). Visible through the rear Circuit board side of the hopper



Elevation Motor (Timing Disc highlighted in green). Visible through the rear Circuit board side of the hopper



Elevation Motor (Snap-in Sensor highlighted by green circle.)

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3. Check the Snap-In Sensors located at the back portion of the Proxy Mount Assembly. (It is below the Proxy Mount Magnet Holder.
4. Make Sure the sensor is plugged in all the way- by grabbing the 3 wires (red, black and green), and CAREFULLY pulling a little bit away from the Elevation/ Sweep Assembly. *(If you feel any resistance then the snap-in sensor is in place. DO NOT TUG ON WIRES*

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TOO HARD!)



Elevation Motor (Snap-in Sensor highlighted by green circle.)

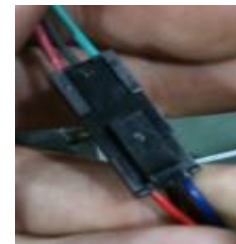
Checking Vein Harness

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.

The diagrams to the right only apply if your wires are unplugged.



(Vein Harness wires unplugged.)

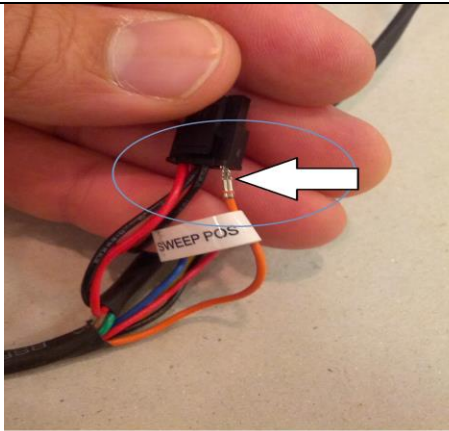


(Vein Harness wires plugged-in)

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Trouble Shooting Instructions

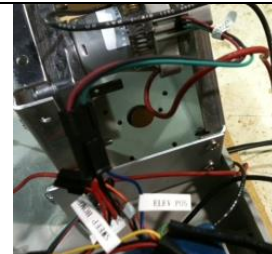
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(Vein Harness with disconnected terminal pictured above.)

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

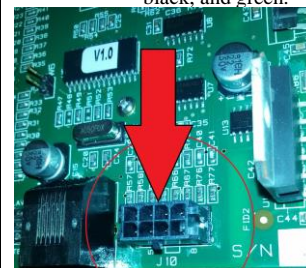
1. Diagram A. shows that the Elevation Wire (coming from the elevation motor.) connects to the Elevation Position plug (with the red, black and blue wires, and Elev Pos label.)
2. Diagram B. shows the Elevation Home wire (coming from the Yoke assembly above and to the left of the elevation motor).



(Elevation Positive blue wire)



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



Vein Sensor Harness circuit board connection location (J10).

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(Elevation Positive blue wire)

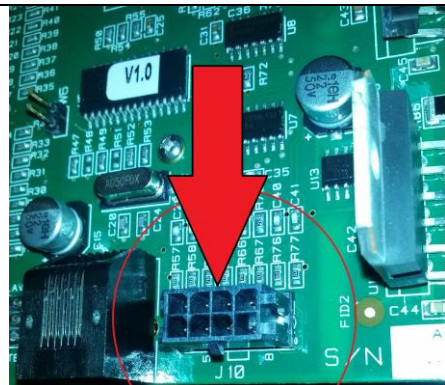


Diagram B.) Elevation Home connection red, black, and green.

3. 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.

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Putting the Phenom Hopper Unit Case back onto the Internal Platform Assembly.

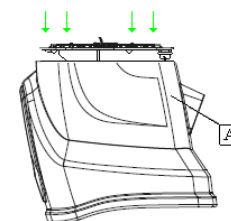
1. Put the Upper Hopper Unit (A) upside-down (where the top of the hopper is resting on the ground), and carefully flip the Internal Platform Assembly with the Control Panel, into the bottom of the Upper Hopper Unit. Have one person reach in through the control panel opening, and direct the panel until it is hanging outside of the Upper Hopper Unit.

2. CAREFULLY screw in the 12 screws connecting the Base Platform to the Hopper Unit. (*The Base Platform Pins are very sensitive, use caution when screwing in these screws.*)

3. Plug in the Feed Motor wire and unscrew the ground wire (Diagram D.) on the control panel. Using the 4 black screws fastening the control board to the Hopper Unit.

4. Lift the Hopper Unit (A) and hold it above the Base Unit (E). Connect the Wire Connector (B). Now CAREFULLY lower the Hopper Unit onto the Base Unit. There are 4 metal extensions on the bottom of the Hopper Unit (A) that will fit into the 4 holes on the Base Unit (B). They will "click" into place when properly aligned.

5. Use the 4 wings provided (D), and the 4 washes provided (C) to secure the Base Unit to the Hopper Unit from the underside, as depicted in the picture to the

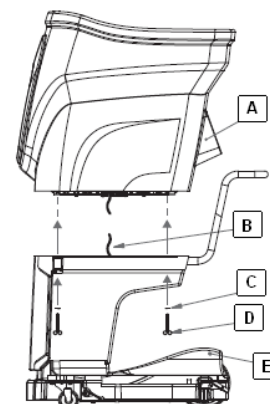


Phenom with Internal Platform Assembly being placed into Upper Hopper Unit.

Diagram D.)



Ground wire location. (Green)
Feed Motor location. (Red)



Phenom Hopper Unit, and Base Unit

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right.
Make sure the 4 Wings are finger tightened, and do not over tighten, for over tightening these Wings can cause and Over-Current Sweep Error.

If the issue continues upon putting the machine back together and testing it, you will need to contact Customer Service for a Return Authorization to send your machine in for Repair or Warranty Repair. 1-800-526-4041.

How to Order Elite Replacement Parts	Phenom Parts
Website: http://www.lobstersports.com Email: sales@lobstersports.com Phone: 800.526.4041 Fax: 818.764.6061 We accept Visa, MasterCard or Discover & PayPal	