

TS My Machine Says Calibrating Please Wait.

Step	Description	Tools	Picture
	<p>Models that Apply: Grand 4,5,5-LE</p> <p>This issue occurs when you turn on your machine and it says ‘‘Calibrating Please Wait...’’ and does not turn off when you push the power button on the control panel.</p> <p>This generally is indication of a broken or missing component in the machine, and at rare times can indicate a faulty circuit board.</p> <p>If your machine says ‘‘Calibrating Please Wait...’’ make sure to turn off the power using the Main Power Switch underneath the machine on the lower left-hand side (rear of the unit underneath the control panel between the 2 transport wheels).</p>		
<p>1</p>	<p style="text-align: center;">Checking The Elevation Motor</p> <p>Step 1.) Make sure machine is powered OFF. You can turn it off using the Main Power Switch located underneath the machine on the lower left-hand side (rear of the machine between the two transport wheels). The OFF position is when the Top is sticking out, and the bottom is pushed in.</p> <p>Step 2.) 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 (<i>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</i>). To lower the elevation, Pull the Top wheel towards you as you push the Bottom wheel away from you. If the elevation is rigid, and does not move, then the motor is fine. If the elevation moves up and down easily by hand, go to Section 4 to remove the case, and section 6 to check</p>		 <p>Main Power Switch</p>  <p>Server wheels (elevation pivots up and down).</p>

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	<p>the motor and gears.</p> <p>If the issue remains continue onto the next step.</p>		
<p>2</p>	<p style="text-align: center;">Checking The Sweep Motor</p> <p>Step 1.) With the machine still OFF, make sure that the machine is in its upright use position. This means that the machine is resting on all 4 rubber feet, and the rear transport wheels are off the ground.</p> <p>Step 2.) Grab the sides of the red case, and try to manually move the unit left and right by hand. If the machine is rigid and in place and does not move left and right, then the sweep motor is fine. If the sweep moves left and right easily by hand, go to section 4 to remove the case, and section 8 to check the motor and gears.</p> <p>If the issue remains, please continue onto the next steps.</p>		 <p>Main Power Switch</p>  <p>Red Case (sweep pivots left and right, top of unit turns while platform base stays still).</p>
<p>3</p>	<p style="text-align: center;">Checking for Sweep Magnet.</p> <p>Step 1.) The sweep magnet is located on the bottom of the machine, just above the serial number toward the back. In order to get to it you will need to tilt your machine back on to the transport wheels, while holding the upper handle to keep it in place.</p> <p>Step 2.) Now using the tip of a flat-head screw driver (or anything steel or iron.) go over the 1/4" hole with a threaded screw poking threw it (located above the serial number sticker.).</p> <p>Step 3.) If the tip of the screw driver or paper clip attracts to the screw bottom, then the magnet is in place. If the magnet is missing, this is causing the issue, and the magnet will need to be replaced (item E821).</p> <p>If the magnet is in place, please proceed to the next step.</p>	<p>Paperclip or screw driver</p>	 <p>Bottom platform.</p>  <p>Platform Sensor Magnet.</p>

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<p>4</p>	<p style="text-align: center;">Removing The Case</p> <p>Step 1.) Unscrew the (6) Phillips-head screws along the bottom of the red case where it attaches to the chassis of the machine. (2-front, 2-rear, one on each side)</p> <p>Step 2.) Lift the red case off the chassis and set it aside.</p>	<p>Phillips screw driver</p>	 <p>Case Screws (Front & Rear)</p>  <p>Case Screws (Side)</p>  <p>Case Removed</p>
<p>5</p>	<p style="text-align: center;">Checking for Elevation Magnet</p> <p>Step 1.) In order to get to the Davit Center (where the elevation magnet is located.) you will need to take the case off. You do this by unscrewing all 6 screws holding the case onto the chassis. (Located at the bottom of the case with 2 in back, 2 in front, and 1 on both sides of the machine).</p> <p>Step 2.) Once the case is off, CAREFULLY beside the machine, (Be sure not to disconnect any wires.) then position the machine so that the front end is facing you (the pointer.).</p> <p>Step 3.) 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.).</p> <p>Step 4.) 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. If the magnet is missing, this is causing the issue, and the magnet will need to be replaced (item E821).</p>	<p>Paperclip or screw driver</p>	 <p>Case Off with pointer facing you.</p>  <p>Davit Center. (1/4" set screw)</p>

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If the magnet is in place please proceed to the next step.

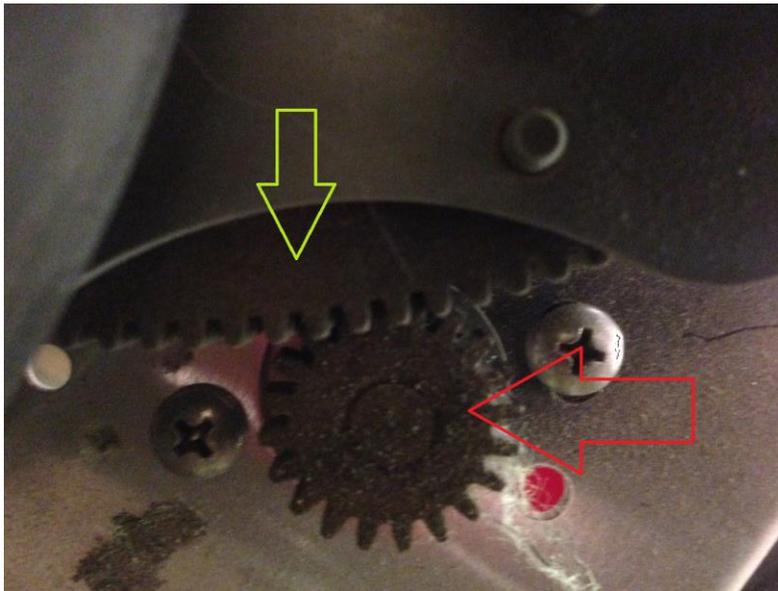


1/4" set screw

Checking Arc and Spur Gears (elevation)

Step 1.) The elevation Spur Gear (round gear marked in red) rests underneath the ball chute (the slide the balls roll down). If the teeth are missing on the Spur Gear then the spur gear will need to be replaced (item E524).

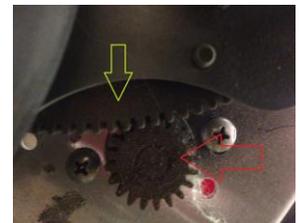
Step 2.) The Arc Gear is attached to the Yoke (marked in green). If the Arc Gear is missing, or if the teeth or broken, then the part will need to be replaced (item E523).



Arc Gear is marked in Green, Spur Gear is marked in Red.

Step 3.) If the teeth of the Arc Gear and Spur Gear are all intact, and the elevation can move up and down freely by hand, then the elevation motor needs to be replaced (item EAS1).

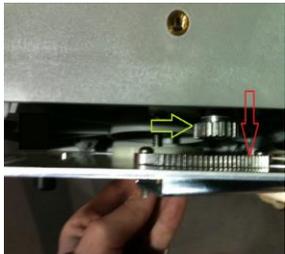
Continue to the next step to remote the platform and check the sweep gear.



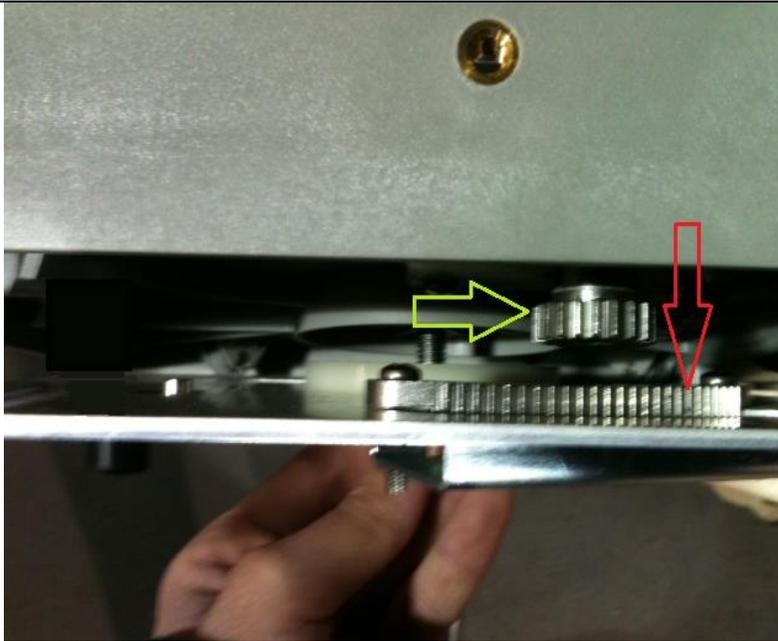
Arc Gear marked in Green. Spur Gear marked in Red.

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<p>7</p>	<p style="text-align: center;">Removing The Platform</p> <p>Step 1.) Using a 9/16” crescent wrench, and a 9/16” wrench (to hold onto the Nut on the inside of the machine underneath the bottom server wheel), unscrew the bolt in the center of the Platform which is holding the Platform to the bottom of the machine.</p> <p>Step 2.) With the Platform detached, position it so that the 4 rubber feet are touching the ground, and the white plastic spacer is pointing up.</p>	<p>9/16” wrench & Crescent wrench</p>	 <p>Platform with Nut removed. (located inside of the machine underneath the bottom server wheel).</p>  <p>Platform being removed from Chassis. (Bolt head located at the bottom center of the platform outside where the rubber feet are).</p>
<p>8</p>	<p style="text-align: center;">Checking the Sweep Gear</p> <p>Step 1.) The Sweep Spur Gear (round gear marked in red) is coming from the Chassis (the grey rectangular part that the case attaches too). If the teeth are missing on the Spur Gear then the spur gear will need to be replaced (item E524).</p> <p>Step 2.) The Arc Gear is attached to the platform (marked in green). If the Arc Gear is missing, or if the teeth or broken, then the part will need to be replaced (item E523).</p>		 <p>Spur Gear marked in Green, Arc Gear marked in Red.</p>

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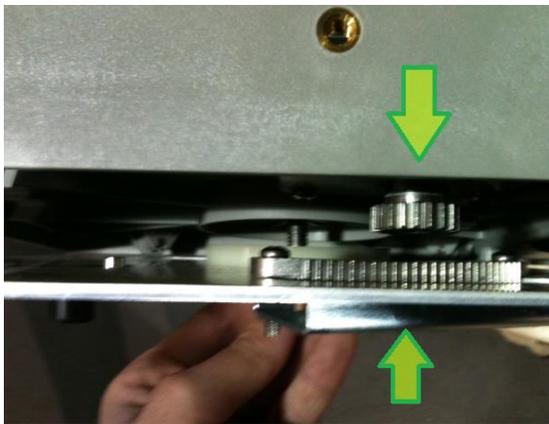
Spur Gear marked in Green, Arc Gear marked in Red.

Step 3.) If the teeth of the Arc Gear and Spur Gear are all intact, and the sweep can move left and right freely by hand, then the sweep motor needs to be replaced (item EAS1).

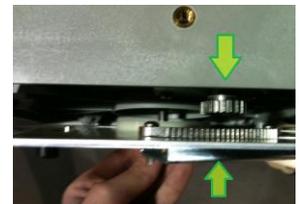
If the issue continues move onto the next step.

Re-attaching the Platform the Chassis

Step 1.) Carefully line up the platform with the Chassis, so that the Rack Gear teeth, fit in-between the Spur Gear teeth. (See picture below).



Step 2.) Push the 1/2 inch platform bolt thru the bottom of the



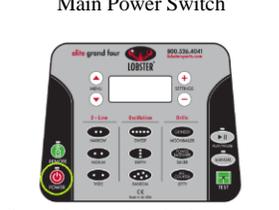
Rack Gear teeth lining up with Spur Gear teeth.



The threading is pointed out in blue, and the Battery negative Ground Loop is orange.

9/16''
wrench &
crescent
wrench

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	<p>platform, so that the threaded edge is popping out of the top/middle of the chassis.</p> <p>Step 3.) Put the Battery Negative Ground Loop over the threads of the ½ inch platform bolt, and cap it off with the bolt.</p> <p>Step 4.) Tighten the nut and yoke bolt until the nut can be turned by your thumb and index finger. <i>*If the platform bolt is tightened too much, this can cause a Feedback or Overcurrent Sweep Motor Error.</i></p>		
<p>10</p>	<p style="text-align: center;">Re-attaching The Case</p> <p>Step 1.) Lift the red case and lower until it is covering the whole Chassis of the machine.</p> <p>Step 2.) Screw the (6) Philips-head screws along the bottom of the red case where it attaches to the chassis of the machine. (2-front, 2-rear, one on each side)</p>	<p>Phillips screw driver</p>	 <p>Case Removed</p>  <p>Case Screws (Front & Rear)</p>  <p>Case Screws (Side)</p>
<p>11</p>	<p style="text-align: center;">Hard Reset</p> <p><i>If the sweep and elevation teeth are in place, and the sweep and elevation do not move by hand (meaning the motors are rigid and there is no movement), then the problem might be with the circuit board. A Hard Reset might solve the problem.</i></p> <p>Step 1.) Make sure machine is powered OFF. You can turn it off using the Main Power Switch located underneath the machine on the lower left-hand side (rear of the machine between the two transport wheels). The OFF position is when the Top is sticking out, and the bottom is pushed in.</p>		 <p>Main Power Switch</p>  <p>Power button (marked in green)</p>

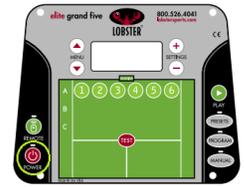
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Step 2.) Hold down on the Power button on the control panel for 3 seconds. When you first press it, you should see the red light above it flash once.

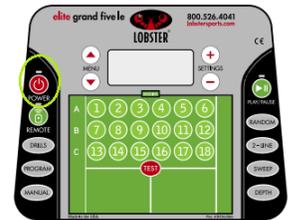
Step 3.) Turn on the Main Power Switch (located underneath the machine on the lower left-hand side, rear of the machine between the two transport wheels). The ON position is when the Top is pushed in, and the bottom is sticking out.

Step 4.) Turn On the machine using the Power button on the control panel. If the issue continues, then in this case it is most likely the control panel. Contact lobster sports Customer with the machine serial number (located underneath the machine on a white sticker that should read ELO*_*****), to obtain the correct item code for the control panel.

Elite 4 panel.



Power button (marked in Green) for Grand 5 Panel.



Power button (marked in Green) on Grand 5 LE panel.



Main Power Switch