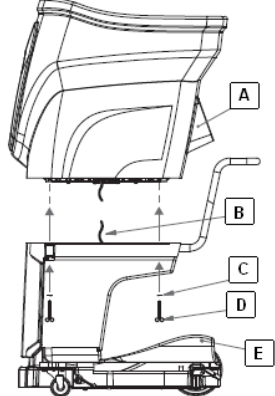




# Repair Instructions

## Replacing and Installing a Feed Motor.

Elite Models that Apply: Phenom 1 & 2

Section	Description	Tools	Picture
1	<p><b>Disconnecting The Phenom Hopper Unit and Base Unit.</b></p> <p><b>Step 1.)</b> Unscrew the 4 wing screws (D) and washers (C) from the bottom of the Base Unit (E). (<i>Pull these items out and set them aside for later use.</i>)</p> <p><b>Step 2.)</b> Disconnect the Wire Connector (Power cord) (B) allowing you to completely separate the Hopper Unit (A) from the Base Unit (E). Use 2 people to carefully set the Hopper Unit (A) upside down, so that the bottom plate is exposed.</p>	Phillips Screw Driver	 <p>Lobster Phenom with labeled components. (Base Unit separate from Hopper Unit).</p>
2	<p><b>Removing The Control board to access inside the hopper top</b></p> <p><b>Step 1.)</b> Remove the 4 black screws holding in the control panel.</p> <p><b>Step 2.)</b> Unplug the Feed Motor wire (J15), from the board. Unscrew the ground wire screwed into MP4.</p> <p><b>Step 3.)</b> Carefully allow the control panel with wires to hang down. (if you feel that there is not enough slack to maneuver inside the case, feel free to disconnect all the wires form the control board and set aside the control board).</p>		
3	<p><b>Removing the Old Feed Motor</b></p> <p><b>Step 1.)</b> Remove the 4 shoulder bolt screws which hold the "Ball Hopper Support" (metal bar across the top of the hopper). <i>*(Be sure to keep the shoulder bolt screw, washer, spring, and washer together in that order for later use).</i></p> <p><b>Step 2.)</b> Remove the single Deflector Wire which covers the hole the ball drops down.</p> <p><b>Step 3.)</b> Unscrew the Index Wheel (the large wheel with the 4 ball sized holes in it) by turning it Clockwise.</p>		 <p>Ball Hopper Support</p>

# Repair Instructions

## Replacing and Installing a Feed Motor.

**Step 4.)** Unscrew the 2 screws which are holding the Ball Guide in place.

**Step 5.)** Unscrew the 4 screws holding the Old feed motor in place. (*Be sure to have one free hand ready to catch it when it drops*).

**Step 6.)** Disconnect the ball guide wire which connects to the front of the Ball Guide.

**Step 7.)** Unscrew the ground wire from the old feed motor. (Take note that it is screwed in farthest away from the motor shaft).



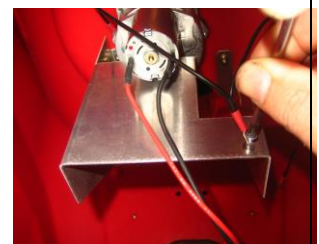
Deflector Wire



Removing Index Wheel



Unscrewing Feed Motor and Ball Guide.







Unscrewing Ball Guide Ground Wire.



Feed Motor with Ground Wire.



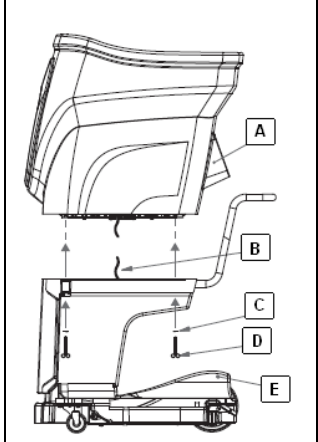
# Repair Instructions

## Replacing and Installing a Feed Motor.

<p style="text-align: center;"><b>Installing the New Feed Motor</b></p> <p><b>Step 1.)</b> Screw the ground wire into the new Feed motor.</p> <p><b>Step 2.)</b> Screw the feed motor into place (please note that the cylindrical portion of the motor will be facing the right hand side, closest to where the board rests).</p> <p><b>Step 3.)</b> Attach the ball guide and fasten it into place with the 2 small screws.</p> <p><b>Step 4.)</b> Screw on the Index Wheel (the large wheel with the 4 ball sized holes in it) by turning it counter clockwise.</p> <p><b>Step 5.)</b> Put the single wire deflector back in place.</p> <p><b>Step 6.)</b> Place the "ball hopper support" back into place and align the washer, spring, and washer in place, (<i>where the spring in sandwiched in between the 2 washers</i>) and screw them into place using the 4 shoulder bolt screws.</p>	<p style="text-align: center;"><b>Installing the New Feed Motor</b></p> <p><b>Step 1.)</b> Screw the ground wire into the new Feed motor.</p> <p><b>Step 2.)</b> Screw the feed motor into place (please note that the cylindrical portion of the motor will be facing the right hand side, closest to where the board rests).</p> <p><b>Step 3.)</b> Attach the ball guide and fasten it into place with the 2 small screws.</p> <p><b>Step 4.)</b> Screw on the Index Wheel (the large wheel with the 4 ball sized holes in it) by turning it counter clockwise.</p> <p><b>Step 5.)</b> Put the single wire deflector back in place.</p> <p><b>Step 6.)</b> Place the "ball hopper support" back into place and align the washer, spring, and washer in place, (<i>where the spring in sandwiched in between the 2 washers</i>) and screw them into place using the 4 shoulder bolt screws.</p>	<p style="text-align: center;"><b>4</b></p>	 <p style="text-align: center;">Feed Motor with Ground Wire.</p>  <p style="text-align: center;">Feed Motor being screwed back in.</p>  <p style="text-align: center;">Removing Index Wheel</p>  <p style="text-align: center;">Deflector Wire</p>

# Repair Instructions

## Replacing and Installing a Feed Motor.

			 <p>Ball Hopper Support</p>
<p>5</p>	<p><b>Step 2.)</b> Plug in the Feed Motor wire and unscrew the ground wire (Diagram <b>D.</b>) on the control panel. Using the 4 black screws fastening the control board to the Hopper Unit.</p>		 <p>Ground wire location. (Green) Feed Motor location. (Red)</p>
<p>6</p>	<p><b>Reconnecting The Hopper Unit To The Base Unit.</b></p> <p><b>Step 1.)</b> Using two people, 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.</p> <p><b>Step 2.)</b> 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 right. <i>Make sure the 4 Wings are finger tightened, and do not over tighten, for over tightening these Wings can cause and Over-</i></p>		 <p>Phenom Hopper Unit, and Base Unit</p>

<p><b>How to Order Elite Replacement Parts</b></p>	<p><b>Elite Parts</b></p>
<p><b>Website:</b> <a href="http://www.lobstersports.com">http://www.lobstersports.com</a>  <b>Email:</b> <a href="mailto:sales@lobstersports.com">sales@lobstersports.com</a>  <b>Phone:</b> 800.526.4041  <b>Fax:</b> 818.764.6061          We accept Visa, MasterCard or Discover &amp; PayPal</p>	<p>Feed Motor Part #E870 - \$79.00</p>