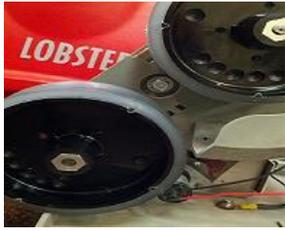


Replacing and Installing a New Elevation Motor

Elite Models that Apply: EL01-3			
Step	Description	Tools	Picture
1	<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.) Unscrew the 4 black panel screws on the top left, right, and bottom left, right sections of the panel. Pull the panel out away from the case, and un-plug the Feed tab (J23), and the positive and negative XLR wires coming from the XLR Jack. Unscrew the ground wire coming from the Ball Guide, to the control panel. Take this wire and wrap it around the Deflector wire to keep it from touching the control board.</p> <p>Step 3.) Lift the red case off the chassis and set it aside. (Make sure to not allow the Ground Wire from the case to touch the Green control board and panel- this could fry the ground wire.)</p>	Phillips Screw Driver	 <p style="text-align: center; font-size: small;">Case Screws (Front & Rear)</p>  <p style="text-align: center; font-size: small;">Case Screws (Side)</p>  <p style="text-align: center; font-size: small;">Case Removed</p>
2	<p style="text-align: center;">Removing The Yoke Assembly</p> <p>Step 1.) Take off your server wheels by unscrewing the set screw, and sliding the wheels off of the server motor shafts.</p> <p>Step 2.) With the front end of the machine facing you (the pointer closest to you, and the handle furthest from you), remove both of the server wheels.</p> <p>Step 3.) Passing through the center of the Yoke and the davit assembly is the Yoke Bolt. (This bolt has a nut holding it on the end of the Davit Right). Using a Crescent Wrench and a 9/16" Wrench, unscrew and remove the Yoke Bolt, the Small and Larger Spacer, and the 3 to 5 washers. <i>*(Carefully set these in separate safe location for later use.)*</i></p>	1/8" Allen Crescent Wrench 9/16" Wrench	 <p style="text-align: center; font-size: small;">The Server wheels.</p>  <p style="text-align: center; font-size: small;">The Yoke Bolt being removed.</p>

Replacing and Installing a New Elevation Motor

Step 4.) Cut all the zip ties holding the wires together and then CAREFULLY remove the Yoke Assembly off of the Davit Assembly and set it aside.

Step 5.) Turn your control panel on, and adjust your elevation so that the motor spring pin in is its most vertical position (**A**). Turn the power off and unplug the Elevation motor from the elevation tab (J24).



Elevation Pin location (Vertical).



Elevation Quick Disconnect J24.

Removing The Elevation Link and Installing The new Elevation Motor.

Step 1.) Put the pin punch (1/8") over the motor spring pin hole and lightly tap until you get the motor spring pin to "pop" out of the bottom hole. (***Make sure you save the spring pin**)

Step 2.) Slide the Elevation link toward you off of the elevation motor, and proceed to unscrew the 4 screws holding the motor to the Davit Center.

Step 3.) Once the old motor is removed, take the new motor and line up the 4 screw holes and the motor shaft in the center 1/2" hole. Take 4 motor screws previously removed, and securely fasten the new motor to the Davit Center.



Elevation Pin location (Vertical).



Remove Elevation Motor Screws.



Davit Center with Elevation Motor removed.

Replacing and Installing a New Elevation Motor



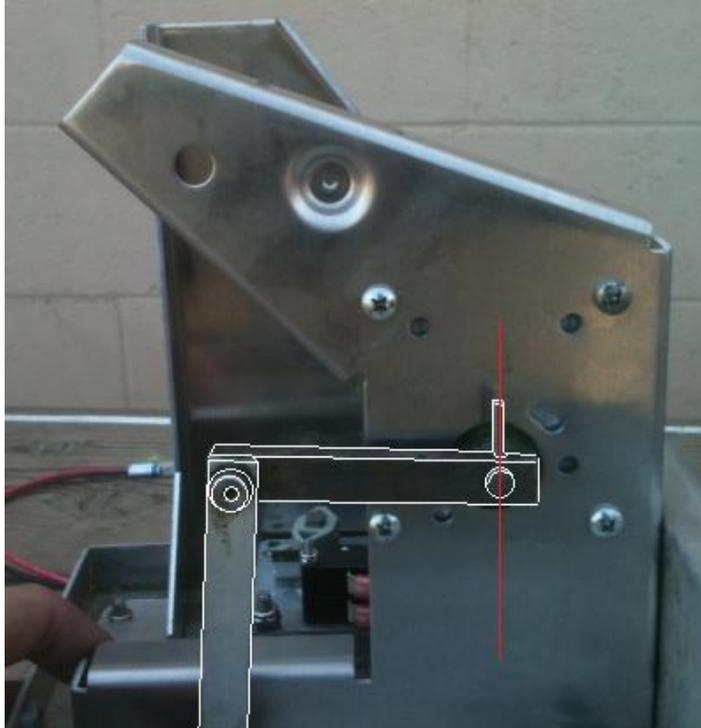
Davit Center with New Elevation motor installed.

Installing the Elevation Link

Step 1.) Plug your new elevation motor into the Elevation motor tab (J24). After it is plugged in- turn the Power button on, and move your elevation until the pin sized hole in the shaft is vertical. Turn the Power button off.

Step 2.) Place your link over the motor shaft as shown in the diagram below.

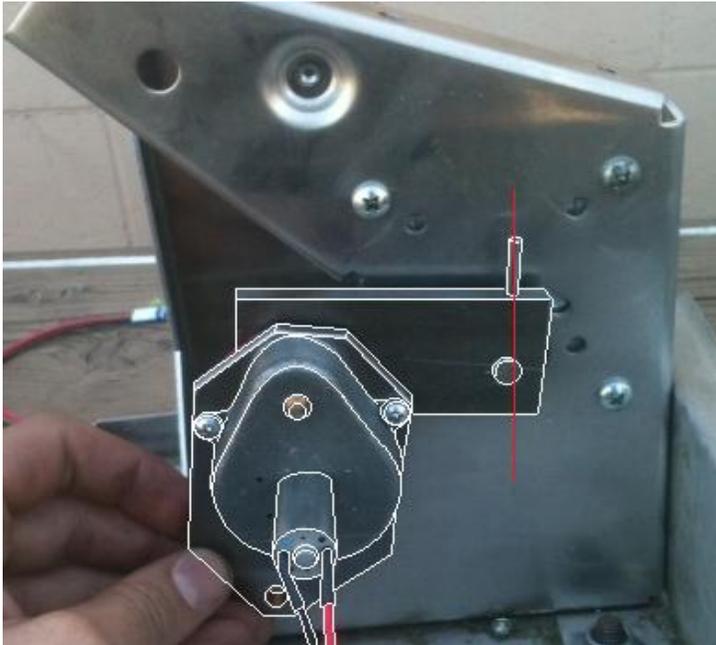
(Elite 1)



Elevation Quick Disconnect J24.

Replacing and Installing a New Elevation Motor

(Elite 2&3)



Step 3.) Hammer the Spring Pin down over the top hole of the Elevation Link until it is flush with the link top and bottom.

Step 4.) Turn your power button back on, and adjust the elevation so that the link is no longer horizontal (Match the diagram below). Turn the Power off once in position.

Putting the Yoke Back Onto The Davit.

Step 1.) Lift up the Yoke Assembly and slide onto the Davit Assembly so that the Yoke Wheel portion of the yoke is on the right of the Davit Center, and the Motor Support Bracket is in-between the Davit Right and the Davit Center.

5 **Step 2.)** Slide the long bolt through the hole in the yoke, which passes from the right of the yoke, all the way to the left. (Please follow the diagram below which shows where the yoke spacer long, and short, and washers belong.)

Using a Washer and the yoke bolt nut, tighten until the yoke is secure. (*Do NOT over tighten the yoke or your elevation



The Server wheels.



The Yoke Bolt being installed.

Replacing and Installing a New Elevation Motor

Step 3.) Use the nut and bolt you set aside from earlier to attach the elevation link to either location shown below.
(The location differs from Elite model 1 to model 2&3.)

(Elite 1 elevation link to yoke connection spot)



(Elite 2&3 elevation link to yoke connection spot)

Repla



6

Putting The Case Back On The Machine

Step 1.) Lift the case over the unit, and guide it over until the yoke pointer is facing the ball exit, and the back panel is facing the handle assembly.

Step 2.) Screw in all 6 case screws.



Case Removed



Case Screws (Front & Rear)



Case Screws (Side)