Repair Instructions

Replacing and Installing a New Elevation Motor

Elite Models that Apply: EL04-EL05LE

Step	Description	Tools	Picture
1	**Removing The Case** **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) **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 (J15), 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. **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.)	Phillips Screw Driver	Case Screws (Front & Rear) Case Screws (Side) Case Removed
2	**Removing The Yoke Assembly** **Step 1.)** Take off your server wheels by unscrewing the set screw, and sliding the wheels off of the server motor shafts. **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. **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. *(Carefully set these in separate safe location for later use.)*	1/8" Allen Crescent Wrench 9/16" Wrench	The Server wheels. The Yoke Bolt being removed.

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	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.		
3	**Removing and Installing The Elevation Motor** **Step 1.)** Unplug the Elevation Motor wire from the Elevation tab on your control panel (J14). **Step 2.)** Unplug the Elevation Positive quick disconnect wire. (This is coming off of the 3 small red, green, and black wires connected to the Elevation Motor). **Step 3.)** Unscrew all 4 screws holding the Elevation Motor to the Davit Center. On the back side of the motor, between the Davit Center and the motor, are a total of 4 spacers, make sure these spaces are saved for use later. **Step 4.)** Remove the Old Elevation Motor and set it aside. Align the 4 screws up with the holes marked on diagram below.		Control Panel J14 Elevation plug. Elevation Quick disconnect location. Elevation Quick disconnect disconnected. Unscrewing Elevation Motor Screws. Removing Elevation motor.
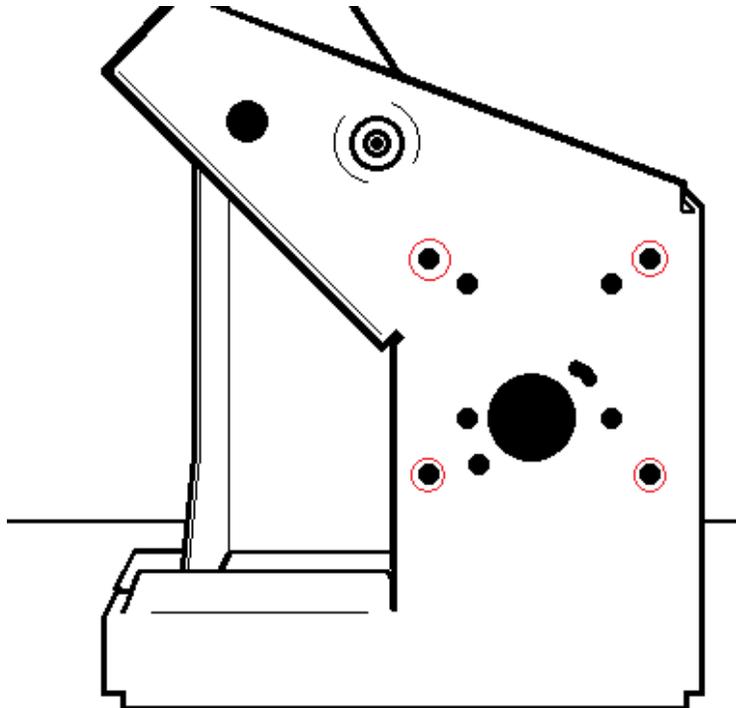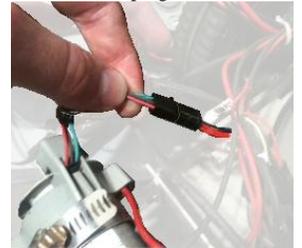
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The holes are marked in Red.

Push the 4 screws in through the holes about ¾ of an inch. Slide the 4 plastic spacers onto the screws. (Please see diagram below).

Step 5.) Hold the new motor into position with one hand, (Make sure the motor is Top is at its highest elevated point), and proceed to fasten the 4 screws down.

Step 6.) Once you have the Elevation Motor fastened into place, follow the 3 snap-in sensor wires coming from the end of the motor. (red, black, and green). These wires should plug into the Elevation Pos labeled Quick Disconnect. (Please see diagram below).
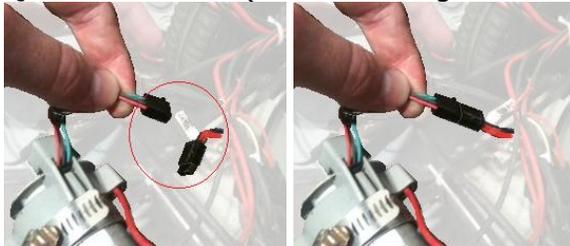
Step 7.) Reconnect the Elevation Motor wire into the J14 Elevation tab on the control panel.

The Elevation Motor being held into place.
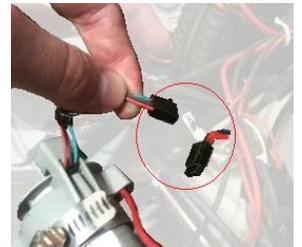
Elevation Quick disconnect disconnected.
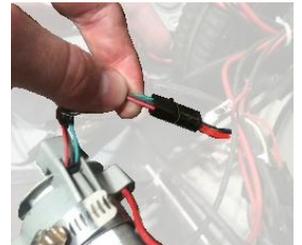
Elevation Quick disconnect connected.

Control Panel J14 Elevation plug.

| 4 | **Re-Attaching the Yoke** | 1/8" Allen | |

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	Step 1.) Take the yoke with one hand, (make sure that the pointer is facing you, and the top of the chute or slide, is facing away from you.) and slide the yoke bolt threw the yoke, passing through the first metal davit piece. **Step 2.)** Put 3 washers on the threaded portion of the yoke bolt, and then pass the yoke bolt threw the plastic long spacer until it exits out of the second metal davit piece. **Step 3.)** Put the washer over the threaded yoke bolt end, and then continue to fasten the yoke bolt nut until it is slightly snug. DO NOT OVER TIGHTEN OR YOUR ELEVATION WILL NOT WORK PROPERLY!!! **Step 4.)** Put your server wheels on, make sure that the set screw is facing out away from the server motors. (Make sure there is a 1/16" of room between the server wheel and where the motor shaft meets the motor).	Crescent Wrench 9/16" Wrench	 Yoke being fasten to Davit Assembly by Yoke Bolt.. The Server wheels.
5	**Re-attaching The Case** **Step 1.)** Lift the red case onto the Chassis (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.) Once the case is on-top of the Chassis, take the control panel, and pull it through the hole. Lower the rest of the case until it is covering the whole Chassis of the machine. **Step 2.)** Connect the ground wires to the board (follow the diagram below). Plug in the XLR negative into the Battery Neg tab on the panel. Plug the XLR Red into the extra tab on the battery (NOT ON THE CONTROL PANEL). Plug the Feed motor into the Feed motor tab (J15). Screw in all 4 control panel screws holding the panel to the case. **Step 3.)** 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)	Phillips Screw Driver	 Case Removed Case Screws (Front & Rear) Case Screws (Side)

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How to Order Elite Replacement Parts	Elite Parts
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