





Replacing and Installing Arc Gear on Yoke Assembly.

Step	Description	Tools	Picture
	<p>Models that Apply: Elite Freedom, Liberty, Pickle, Grand IV, V and V LE.</p> <p>If you notice your elevation freely moving up and down by hand, and have found the Arc Gear and 3 screws inside the machine, then the Arc Gear has come off of the yoke, and will need to be re-installed.</p>		
	<p style="text-align: center;"><b>Removing The Case</b></p> <p><b>Step 1.)</b> 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><b>Step 2.)</b> 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>		 <p style="text-align: center;">Case Screws (Front &amp; Rear)</p>  <p style="text-align: center;">Case Screws (Side)</p>  <p style="text-align: center;">Case Removed</p>
	<p style="text-align: center;"><b>Removing The Yoke Assembly</b></p> <p><b>Step 1.)</b> Take off your server wheels by unscrewing the set screw, and sliding the wheels off of the server motor shafts.</p> <p><b>Step 2.)</b> 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 style="text-align: center;">The Server wheels.</p>

Replacing and Installing Arc Gear on Yoke Assembly.

**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.)\**

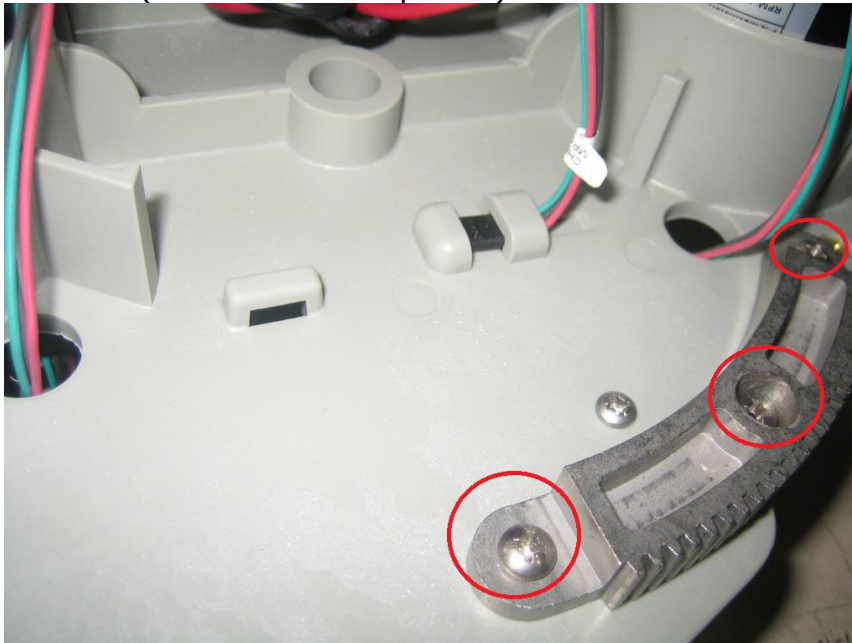


The Yoke Bolt being removed.

**Installing the Arc Gear**

**Step 1.)** Place the Yoke Assembly so that the server wheels region is facing the ground, and the thick bases of the server motor (and the server motor support bracket) are facing up.

**Step 2.)** Line the Arc Gear (also known as the Rack Gear) on the 3 smaller pims on the Yoke, this will be towards the bottom of the ball chute (where the balls drop down).



Yoke with Arc Gear and Pim location.

**Step 3.)** Fasten the Arc Gear to the Yoke using the 3 screws.

Replacing and Installing Arc Gear on Yoke Assembly.



Arc Gear location on Yoke.

**Re-Attaching the Yoke**

**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 through 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 through 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.



Yoke being fasten to Davit Assembly by Yoke Bolt..



The Server wheels.

Replacing and Installing Arc Gear on Yoke Assembly.

**Step 1.)** Lift the red case onto the Chassis. 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.)** 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)



Case Removed



Case Screws (Front & Rear)



Case Screws (Side)