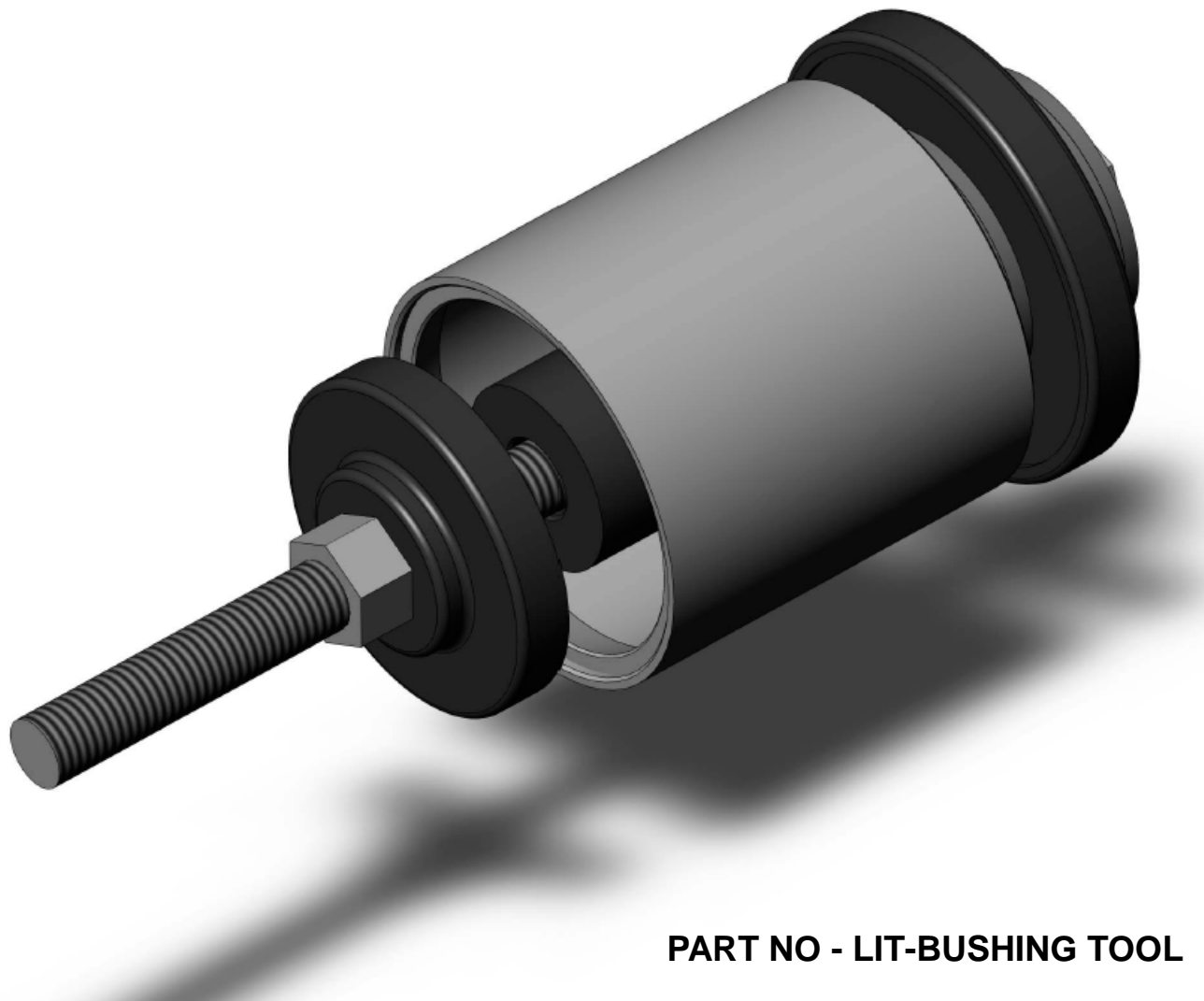


# Bushing Tool

190127 Bushing Tool Assembly for the 17993-112 / 125



**PART NO - LIT-BUSHING TOOL**

Installation and Removal Procedure



1-800-445-0736 Toll Free

# Bushing tool parts

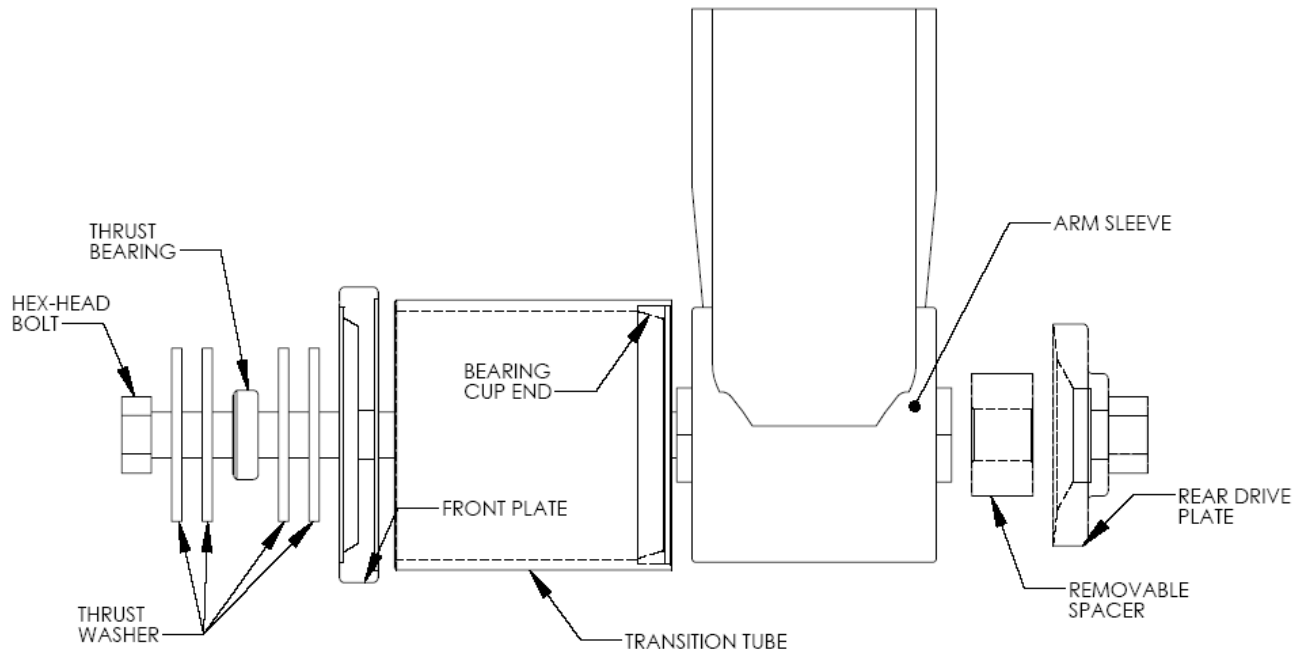
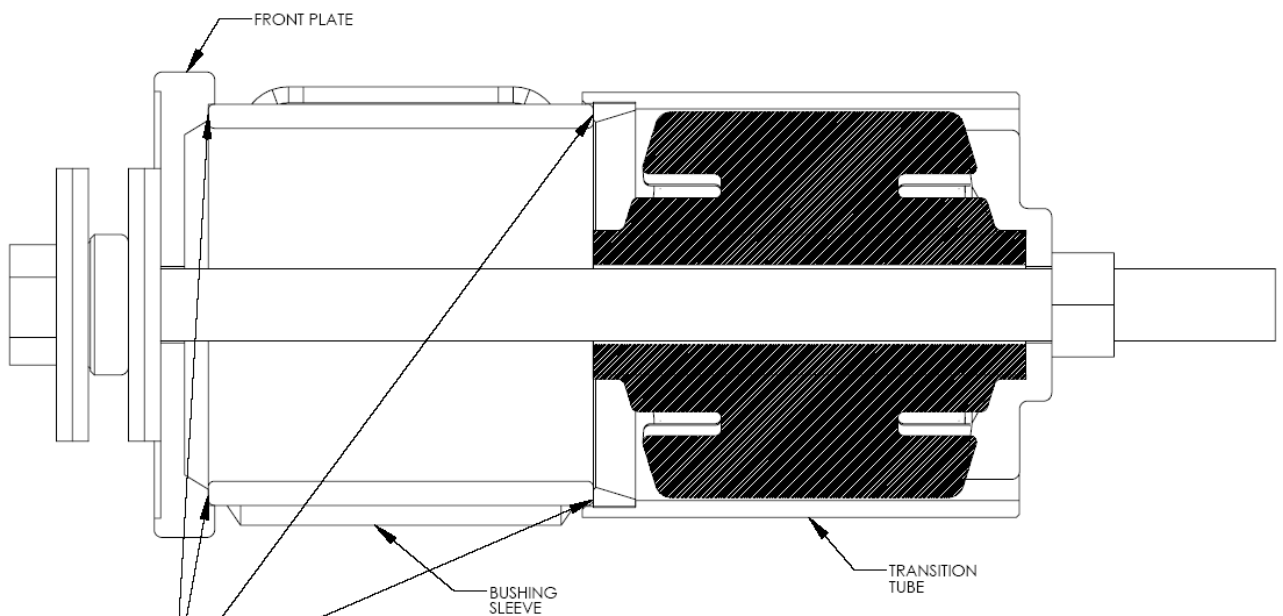


Figure 1

# Install details



MAKE SURE THE TOOL IS SQUARELY SEATED ON BOTH SIDES OF THE BUSHING TUBE

Figure 2

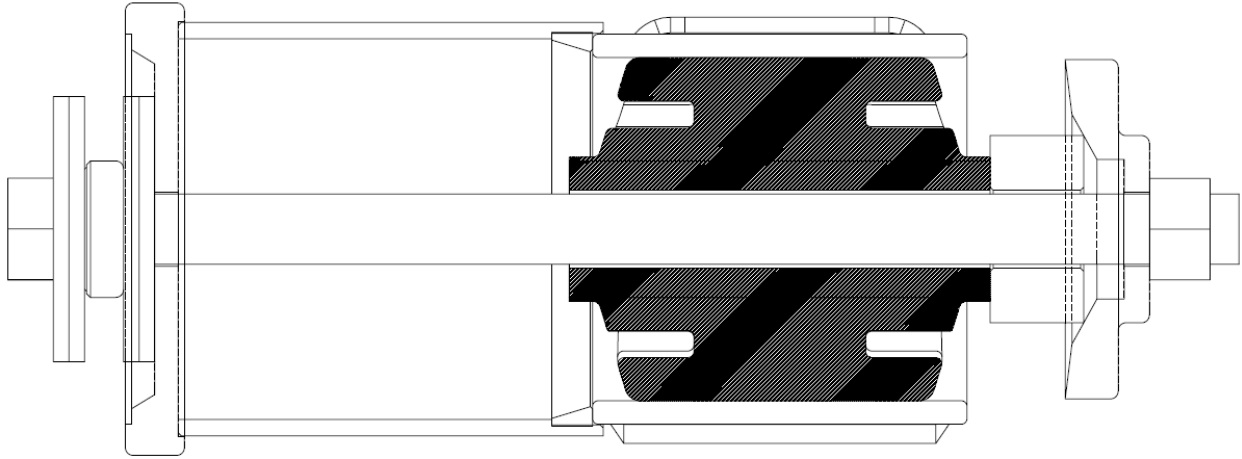


Figure 3 (Bushing in Arm sleeve before removal)

### To Remove Bushing

1. Mark bushing rotation on arm sleeve before the removal of the bushing. (Refer to Figure 6)
2. Run the 1-1/8 bolt through two thrust washer, the thrust bearing, two more thrust washers, the rear drive plate, then the transition tube, and then the bushing. Arrows points to the lube point (IMPORTANT - use Extreme Pressure Lubrication (Do not use bushing lubricant for tool lubrication). The larger ID of the transition tube goes over the arm sleeve.
3. Install the rear drive plate against the bushing (Shown in Figure 3)
4. Use a 1 11/16 socket to run the bolt clockwise to push the bushing out of the arm sleeve and into the transition tube.
5. Below is the end result.

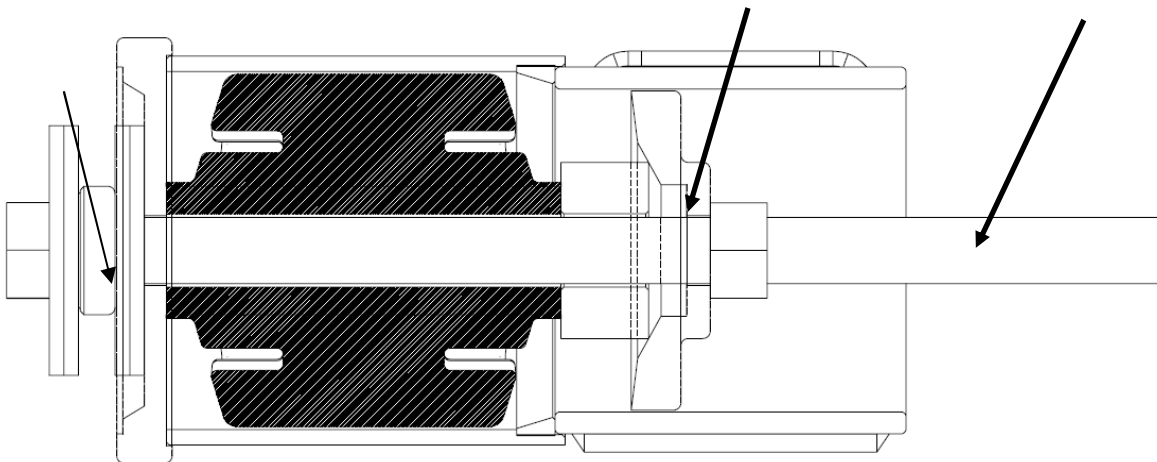


Figure 4 (Bushing in Tube after Removal)

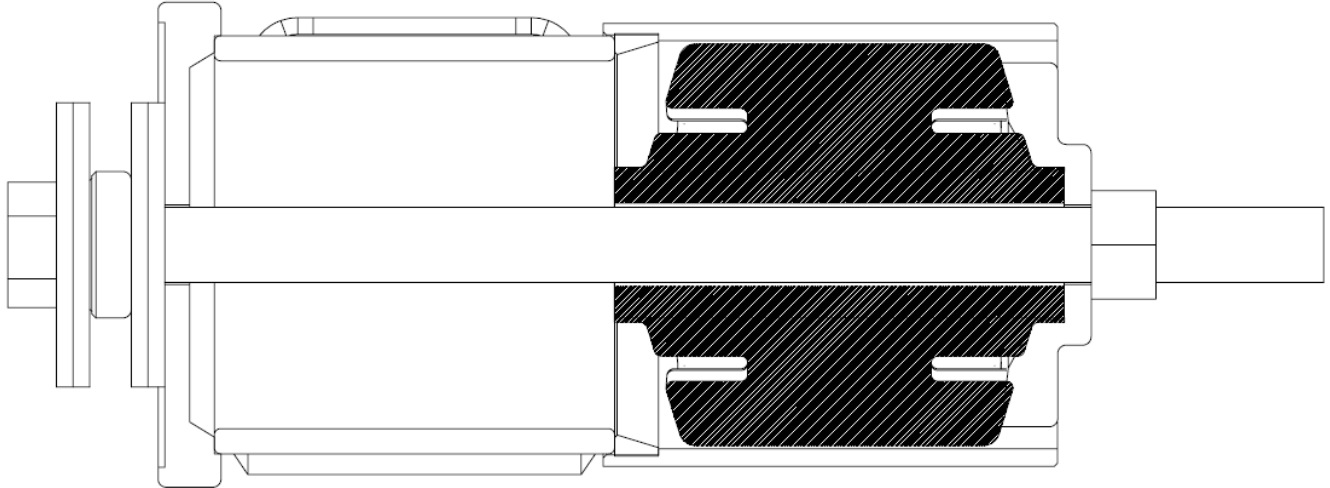


Figure 5 Bushing in Transition Tube before installation

### To Install Bushing

1. Lubricate the bushing and the transition tube and the arm sleeve with a rubber lubricant (P80 or equivalent lubricant) before installing the bushing into the transition tube.
2. Below shows the correct way to align the bushing to the arm.
3. Draw a line on the arm sleeve and transition tube that correctly align the bushing to the arm sleeve. (As shown in Figure 6)
4. Refer to Figure 2 for the lubrication of tool (IMPORTANT - use Extreme Pressure Lubrication (Do not use bushing lubricant for tool lubrication)
5. Insert the 1 1/8" bolt through the bearing, the end plate and the arm sleeve.
6. Then insert the lubricated bushing into the large end of the tube.
7. With the bushing in the tube insert the bolt through the bushing. Make sure the small tapered end of the tube is over the arm.
8. Next install the threaded plate until it is hand tight.

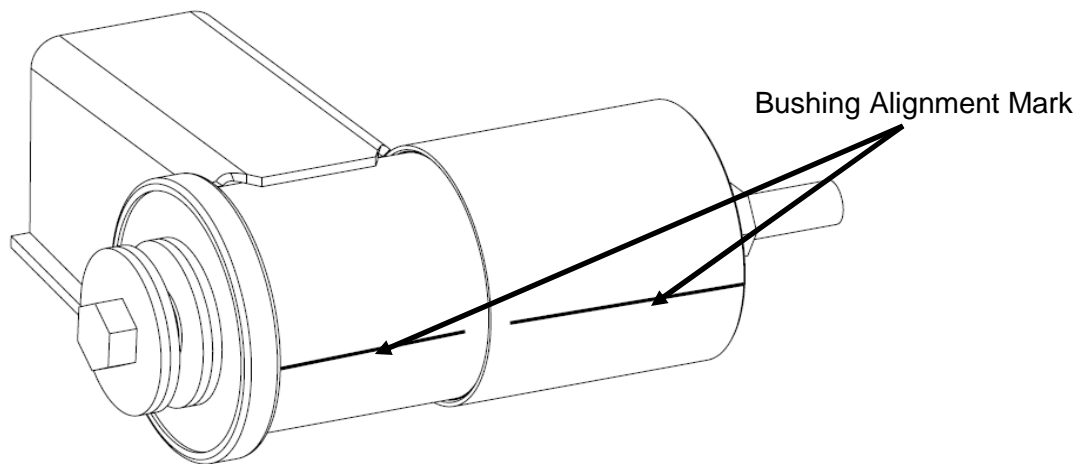


Figure 6 Bushing Alignment Marks

9. Use the 1 11/16 socket to pull the bushing into the arm sleeve.
10. Pull the rear drive plate until the transition tube falls off. (Like shown below)
11. With the transition tube off, measure 5/8" from the edge of the arm sleeve to the back side of the rear drive plate.
12. The bushing is in the center of the arm sleeve.
13. If not adjust accordingly.

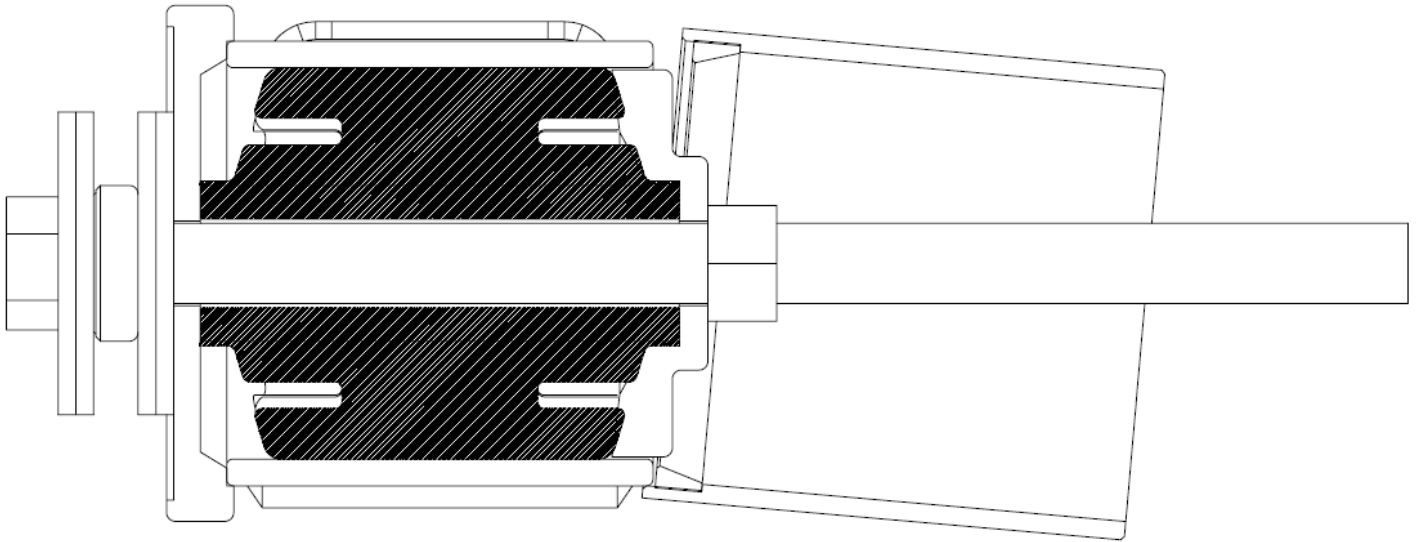


Figure 7

Below is the correct orientation of the bushing to the sleeve.  
This is the correct installation.

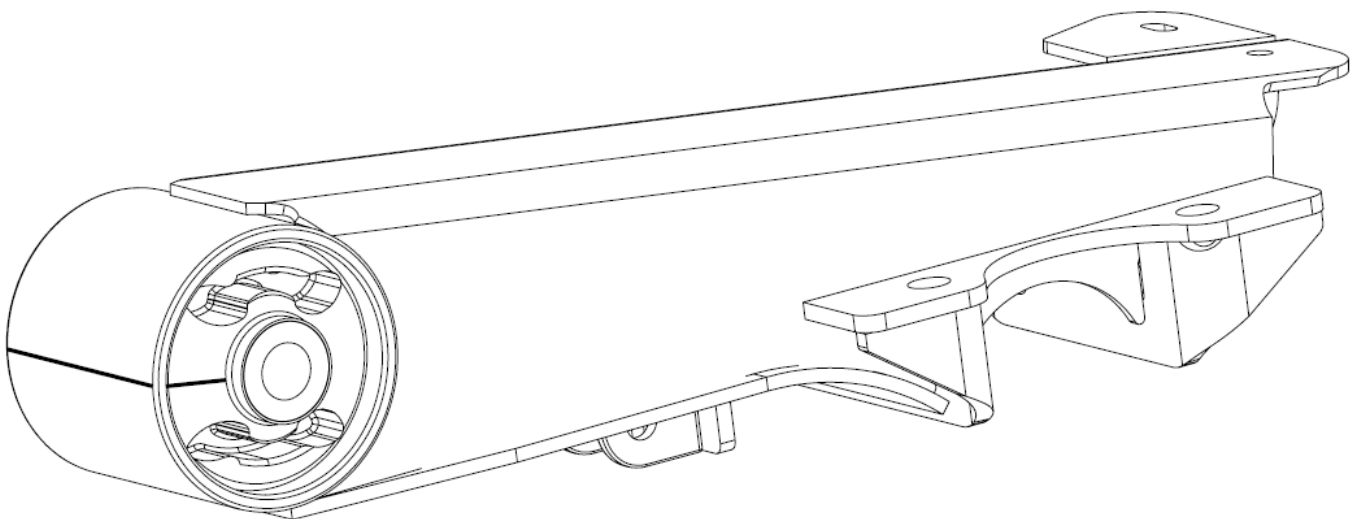


Figure 8