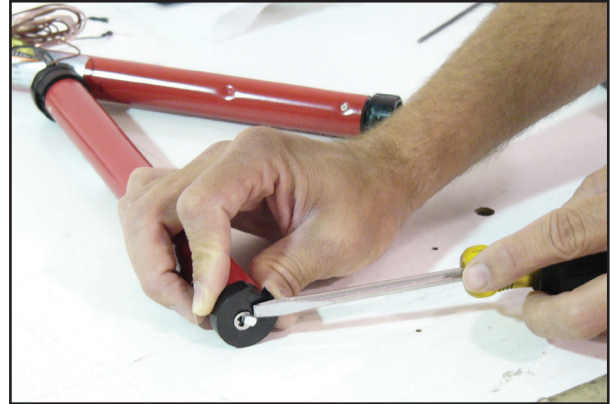


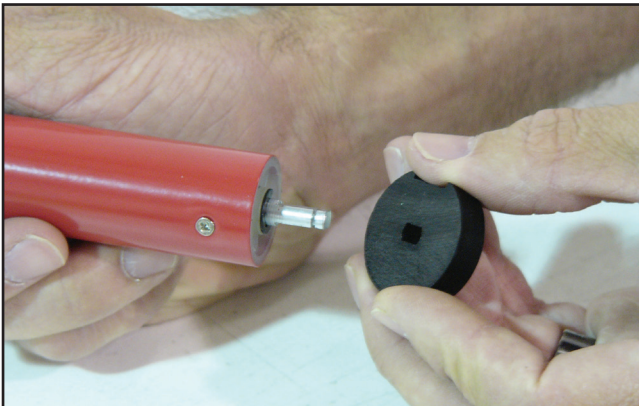
Instructions for changing out the motor drive gear and collar from an older MCD motor to a new MCD motor when the motor has to go into the older style 32mm roller tube. The tube's internal profile has changed and, therefore, we had to change the External Drive Gear and Collar for a proper fit. The Step by Step procedure is below.



- 1 First, observe the External Drive Gear and Collar and confirm they are in fact different in shape.



- 2 Remove the E-clip with a flat-bladed screwdriver from the original motor assembly.



- 3 Slide the External Drive Gear off the shaft.



- 4 Locate where the Collar is separated and, with a flat-bladed screwdriver, gently pry it open allowing it to slip over the motor tube.

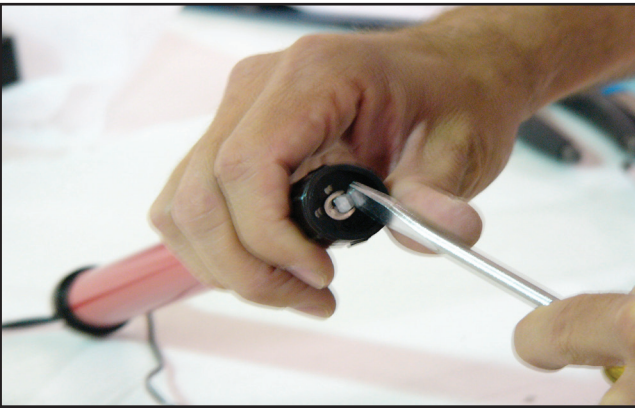


- 5 Slide the Collar down the Motor until it comes off.

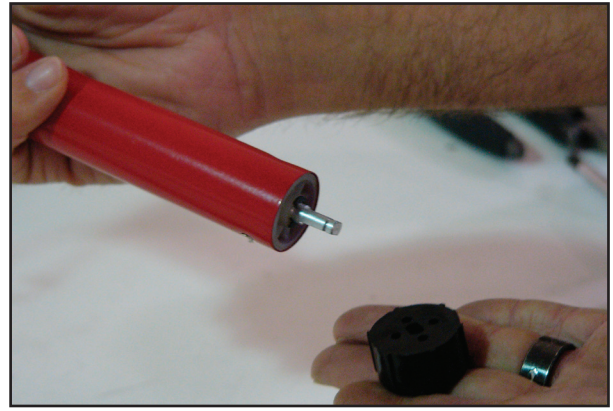


- 6 Collar removed from the motor assembly.

Motor Drive Gear and Collar Retrofit cont.



- 7** On the new motor, remove the External Drive Gear by removing the E-clip and sliding the Gear off the shaft.



- 8** New External Drive Gear removed from new Motor.



- 9** Separate the Collar on the new motor and slip it down over the motor tube.



- 10** Slide the Collar down the Motor until it comes off.

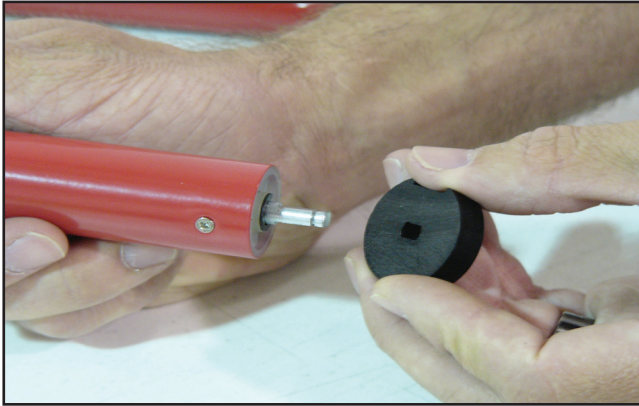


- 11** Collar removed from the new Motor.

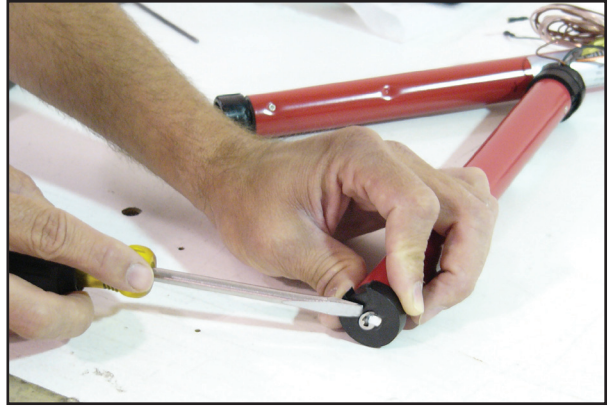


- 12** Slide the old Collar onto the new Motor and snap it in place in the upper groove.

Motor Drive Gear and Collar Retrofit cont.



13 Take the original External Drive Gear and place on the new Motor shaft.



14 Replace the E-clip to hold the External Drive Gear in place.



15 Completed Motor. Insert in shade roller tube.