

Freespool Knob Replacement Instructions

1. Secure cable or rope to spool using tape, a big rubber band, etc.

2. Remove the top two Allen Head Bolts on the freespool end of the winch. [See Fig. 1] Separate the winch by pulling the freespool end away from the Drum. Remove the Drive Shaft and Clutch Return Spring from the winch.



Fig. 1

3. Remove the lower two Allen Head Bolts, pull the Freespool Housing off the metal Drum Support, and remove the Planetary Gears.

4. Remove the three-point Cam Follower from the backside of the Freespool Knob, if it didn't fall out with the gears.



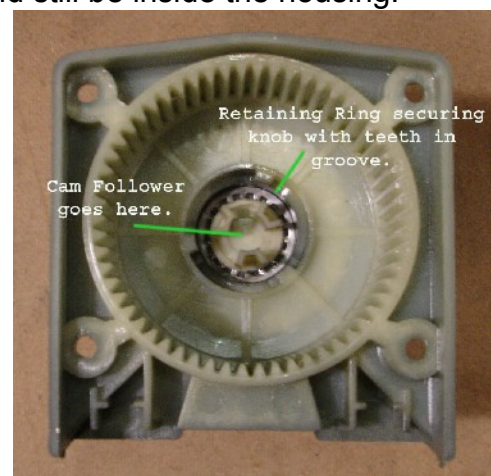
Fig. 2

5. Remove the Freespool Knob from the plastic housing. Tap the knob out by placing a wooden dowel on the center of the knob inside the housing and tap the dowel with a hammer until the knob comes off. You can also use a flat head screwdriver to pry the handle off the housing.

6. Find the Self Locking Retaining Ring that should still be inside the housing. Insert the new Freespool Knob into the plastic housing. Slide the Retaining Ring around the three plastic prongs on the Freespool Knob and push it on as far as it will go. You can use a flat head screwdriver to tap the teeth until they lay flat in the small groove on the Freespool Knob. [See Fig. 2 and Fig. 3]

* You should not be able to pull the Freespool Knob off with gentle pressure when the metal teeth are securely in the groove.

Fig. 3



7. Slide the Cam Follower in between the three plastic prongs on the Freespool Knob. [See Fig. 3]

- * Each of the prongs on the Cam Follower have a rounded side and a flat side. The rounded side needs to be closest to the Freespool Knob.
- * Make sure that the letter “G” on the Freespool Knob handle is in between the engage and freespool markings on the winch when you put the Cam Follower in place.

8. Keep all the Planetary Gears together and slide them back into the Freespool Housing. The flat side of the gears, which do not have any gears protruding, should be closest to the Freespool Knob.

9. Place the Square Nuts back in the Housing with the offset holes closest to the table. Place the Drum Support over the end of the housing, making sure that all the holes for the bolts line up correctly. [See Fig. 4]

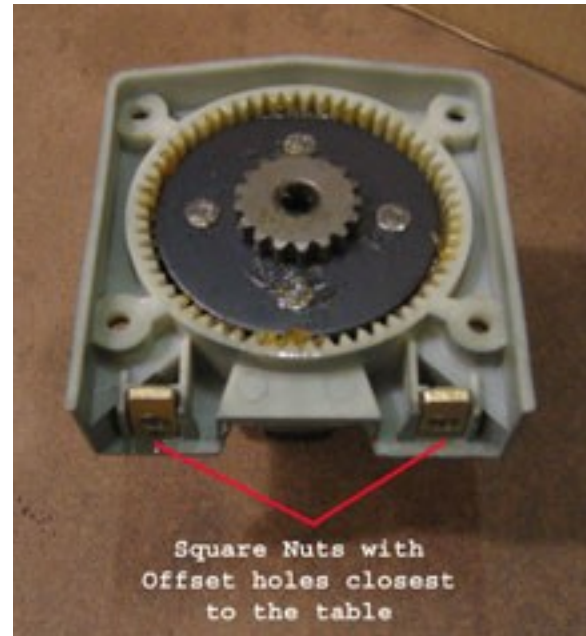


Fig. 4

10. Place the shorter two Allen Head Bolts in the bottom two bolt holes of the Housing and tighten. Put the Plastic Drum Bushing back on the Drum Support if it fell off.

11. Then put the Clutch Return Spring on the Drive Shaft by placing it on the hexagonal end near the spring retaining C-clip. [See Fig. 5]

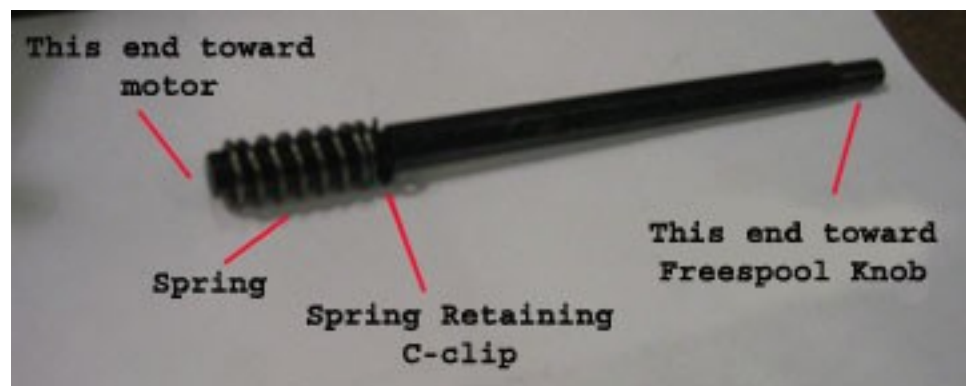


Fig. 5

12. Put the hexagonal end of the Drive Shaft through the Drum, keeping the spring on the Drive Shaft, and insert the Drive Shaft into the center of the planetary gear on the motor side of the winch.

- * You should feel the Drive Shaft slip into place and catch on the gears.

13. Make sure the Freespool Knob is turned to “Engage” when putting the Freespool Housing back on the winch. Slide the Freespool Housing onto the Drive Shaft.

* You might have to twist the Freespool Housing until it slides into the gears on the Drum.

14. Realign the bolt holes on the Freespool Housing with the metal Tie Rods. Place the longer two Allen Head Bolts in the top two bolt holes and tighten. The winch should look straight. The Housing should not be at an angle to the spool. [See Fig. 1]

15. Remove the tape from the cable or rope and check to make sure the Freespool Knob works properly.

* If the Freespool Knob does not want to turn, hook up motor to a power source to turn the drum (half to one full revolution) and try the Freespool Knob again.