

POLARIS RACING

****Attention Polaris 2022 600R Racers***

Some of the 2022 600R SnoX sleds may have been built with Large Rollers and Helix in the secondary clutches. The correct spec is for the secondary clutch to have the Small Rollers and Helix. To determine which rollers are in your 2022 600R remove the 4 torx bolts and helix from the secondary clutch. The correct Small Rollers will have a diameter of .933" and the Large Rollers will have a diameter of 1.135". If your secondary clutch has the Large Rollers and Helix please contact Scott Wilczek at the Polaris Race Dept. Scott.Wilczek@polaris.com.

****It will **not** cause damage to drive the snowmobile with the Larger Rollers and Helix installed***





Follow the below Process to replace Large Rollers and Helix in Secondary clutch with the Small Rollers and Helix

- 1.) Remove the drive belt
- 2.) Remove Secondary clutch from snowmobile
- 3.) Remove the 4 T27 torx screws from the helix, (apply a small amount of heat to the helix screws to loosen the factory Loctite)
- 4.) Install the clutch in a clutch compressor fixture
- 5.) Wearing eye protection, carefully compress the roller assembly to gain access to the snap ring. Remove the snap ring
- 6.) Slowly release the fixture arm to remove the roller assembly and spring.
- 7.) Remove C-clips from roller assembly studs
- 8.) Replace Large Rollers with Small Rollers
- 9.) Install C-clips back onto roller assembly studs
- 10.) To assemble the clutch, slide the components back on to the stationary sheave shaft.
- 11.) Align the notch in the roller assembly with row of double splines on the shaft. Slowly compress the spring and roller assembly down on to the shaft. Install the snap ring making sure it is fully seated in the groove
- 12.) Install the small roller helix by aligning the rollers with the ramps for the 70/44-.46.
- 13.) Install and torque helix fasteners to 11-13 ft-lbs
- 14.) Install clutch to the jackshaft and torque driven clutch bolt 17 ft-lbs
- 15.) Install drive belt