



Figure#3

- 6) Install Secondary clutch back on machine using the OEM shims, bolts, and collar.

### Most frequently asked Questions

**How do the multi-radius helixes compare to constant radius helixes?** A good reference is a 12 degree progressive angle. Our 50 straight cut multiradius helix acts like an Arctic Cat 58/46 on the up shift, but a straight 46 on the backshift. Our 54/46 acts like a 62/40.

**The Rollers are not touching evenly on the Helix, How do I fix it?** A great deal of attention is paid on exacting dimensions of the HC-X assembly. Unfortunately Arctic Cat does not machine the helix base plate area of the Movable sheave like other manufacturers. This allows slight errors when the helix is bolted in place. The helix can be rotated to three different locations to get the best combination of roller to helix contact.

**What secondary spring should I use?** The decreasing radius touch point allows for more belt squeezing at the full shift our point. This means softer springs can be used. Arctic Cat Red secondary springs are recommended with the 50 degree helix and Yellow with the 54/46 degree helix.

**Can I use the HC-X with conventional clutch weights, or do I have to use Heel Clicker weights?** For the best performance a combination of Heel Clicker and HC-X is the best, but the HC-X is a stand alone product and can be used with conventional weights. With Heel Clickers the 50 degree helix is recommended, and with stock style weights the 54/46 degree helix is recommended.

Super Torquer Systems  
11524 Kings Coach Rd.  
Grand Blanc, MI. 48439  
(810) 694-5493