

**torquered.** Then push helix over the studs and use the M6 nylock nuts to fasten the helix in place. **Lightly tighten** the helix so it sits flat on the machined surfaces where the plastic buttons use to be. You will notice a slight interference fit is created between the movable sheave and helix, this will lock the helix in place. Torque helix nylock nuts to 36 in-lbs of torque. See figure #3.

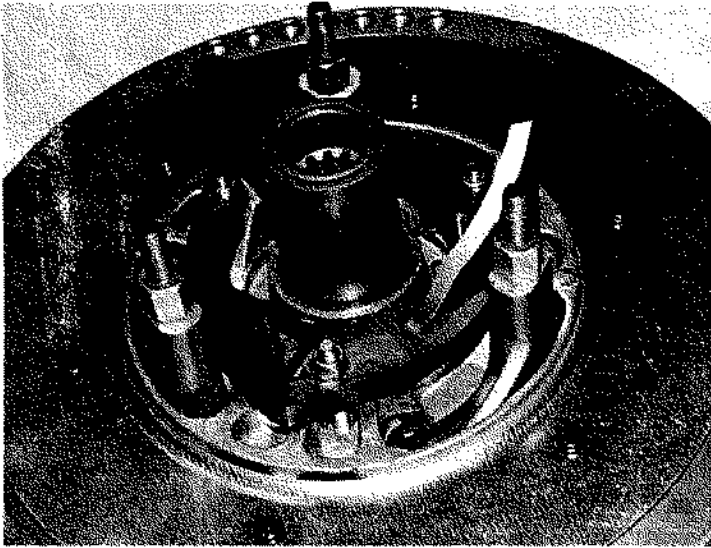


Figure #3

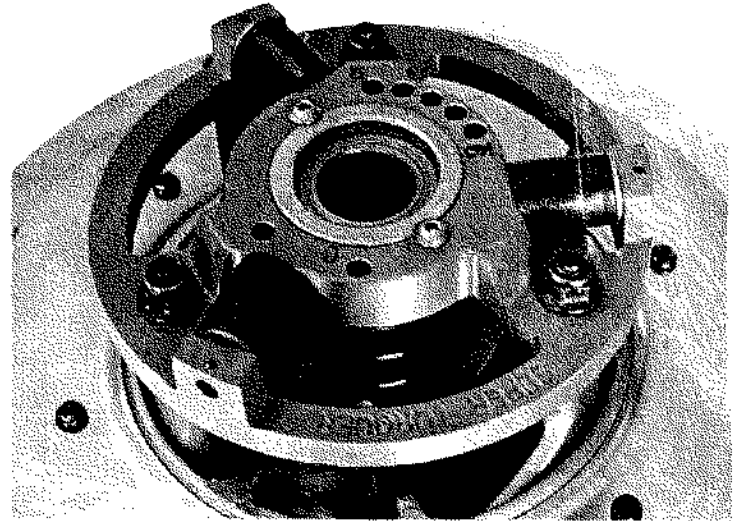


Figure #4

9) Install Wide roller spring cap using the OEM nylock nuts. See figure #4 for hole placement.

### Frequently Asked Questions

**How do the multi-radius helixes compare to constant radius helixes?** A good reference is 12 degree progressive angle. Our 38 straight cut multiradius helix acts like a Yamaha 46/34 on the up shift, but a straight 38 on the backshift.

**What secondary springs should I use?** The decreasing radius touch point allows for more belt squeezing at the full shift out point. This means softer springs can be used. Stock Yamaha Green for the Viper and Silver for the SRX are recommended.

**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. A 42 or 46 degree helix is recommended if stock weights are used.

#### **Set up information for Heel Clicker™ Clutch Weights w/ HC-X™:**

**700 SRX :** 40-10Y(4.2 shoulder,6.3 center,6.3 tip), Red primary spring , HC-X™ 42/34 degree, Green secondary spring (stock) at 6-3 twist

**700 Viper:** 40-10Y(1.3 shoulder.5.3center 4.3tip), Gray primary spring, HC-X 42/34 degree , Silver secondary spring 6-2 twist.

**RX-1:** 92-11Y(3.2 shoulder, 0.0 center, 5.3 tip), White primary spring HC-X 42-34 degree, Pink secondary spring (stock) at 3-3 twist.

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