



## **X3 Rhino Solid Secondary Clutch Roller Kit**

**SKU(s): 404FC0000, 404FC0013**

### **INCLUDED PARTS**

(3) Solid Clutch Rollers

**NOTE:** If you do not have a secondary clutch roller pin puller EVP sells them. **SKU:875FC0002**

### **REQUIRED TOOLS**

Torque Wrench
Can Am Secondary Clutch Puller
Secondary Clutch Compression Tool
X3 Belt Removal Tool
13,17,22mm Sockets
T-20 Torx
Clutch Roller Pin Removal Tool
Red & Blue Loctite
(2) 19mm Open End Wrenches
Hammer



**Installation Steps:**

- Step 1:** Remove belt box cover.
- Step 2:** Remove CVT drive belt.
- Step 3:** Remove secondary clutch off the machine.
- Step 4:** Place secondary clutch into clutch compression tool. Mark with a sharpie your alignment arrows on both sheaves. (See figure 1).
- Step 5:** Loosen (3) 13mm bolts on top of clutch, release pressure and pull all pieces apart: sheave, spring, springs support, and helix.
- Step 6:** Place the sheave with rollers back into the compression tool.



Figure 1

- Step 7:** With the T-20 Torx, remove (3) roller pin set screws.
- Step 8:** Place your clutch pin puller into the first pin. (See figure 2) **NOTE:** Do not let the pin puller nut go into the threaded hole.
- Step 9:** With your (2) 19mm wrenches, start tightening the pin puller, this will cause your roller pin to back out. Only back the pin out enough to pull the roller out. Do Not pull the pin all the way out.
- Step 10:** Remove OEM roller, loosen the 19mm jam nut and back it out so there is no pressure.
- Step 11:** Place the new roller so it is lined up with the pin and tap the pin until it is just passed the set screw threads. **DO NOT** bottom the pin out, just enough so the T-20 Torx set screw can be placed back. **NOTE:** you can spray lubricant on roller, but you must clean it when finished. (See figures 3-5).



Figure 2

**Step 12:** Continue steps 8-11 for the last two roller pins.



Figure 3



Figure 4



Figure 5

**Step 13:** Place **blue** Loctite on the (3) pin set screws. (See figure 6)

**Step 14:** Once all three solid rollers and set screws are installed. Clean up any excess lubricant.

**Step 15:** Reassemble both clutch sheaves followed by the spring support, spring, and helix. Make sure to lock the spring back into the original position on the helix.

**Step 16:** Place the assembly back into the secondary clutch compression tool and compress down. **NOTE:** Make sure both sheaves are lined up with the marks.

**Step 17:** **Red** Loctite (3) 13mm head bolts and torque to 45 ft lbs. (See figure 7).



Figure 6



**Step 18:** Reinstall the secondary clutch into the machine. Torque to 52 ft lbs. Reinstall CVT drive belt and belt box cover.



Figure 7

Thank you for choosing Evolution Powersports products. If you require further assistance, please call our Tech Support @ (715) 247-3862

**Note:** This product is exempt from the emission standards and related requirements of 40 C.F.R. § 1051 as provided by 40 C.F.R. § 1051.620, and California law [e.g., vehicle code §§ 27156 and 38391]. This product is sold only for use in connection with EPA certified, purpose-built, nonroad vehicles used solely for closed course, nonroad competition/racing and not used for any recreational purpose or on public highways or right of ways maintained by and open to the public. This product is sold only in connection with machines that do not fall under state and/or federal noise or emission standards/regulations. Purchasers who/that purchase this product represent and warrant that the product is purchased only in connection with EPA -certified, emission-regulations-exempt and noise-regulations-exempt competition/racing vehicles as interpreted under applicable state and/or federal law. Questions: Call Evolution Powersports at (715) 247-3862.