

Installing *Dynamo Joe's* QR Helix

By: utahrevfreak



Start by removing the plastic secondary clutch adjustment piece.



Remove the retainer behind the secondary.



Remove chain case cover, loosen chain tension, and remove the top sprocket.



You should now be able to remove the secondary clutch and shaft assembly. The shaft tightly fits into the bearing on the chain case side. I was able to knock it out by hitting the end of the shaft with a dead blow hammer. Some have needed to heat.



A special clutch tool is used to compress the secondary.



I always like to use a marker to make alignment marks before disassembling any clutch.



With the clutch tool installed, you can now remove the helix fasteners. The fasteners can be heated to loosen the factory thread locker.



A 3/8" butterfly impact makes removing these fasteners a breeze.



With the bolts removed, you can now decompress the spring, and remove the old helix.



Take the plastic bushing out of the old helix, and put it in the new one.



Install the new helix and compress it into the secondary. Note the alignment marks while installing.



Replace the helix bolts using appropriate thread locker. Torque to factory specs. (Don't try skipping the thread locker, they will come out)



Put the assembly back into the machine. (You may need to tap it in)



Don't forget the retainer.



Finish by putting your sprocket, chain, case cover, and belt back on. Adjust chain tension, belt deflection, and fill chain case with oil per specifications.