

Installation Instructions

Pinion Conversion Kit

Begin the following after removing the clutch basket as per the H-D manual. When removing plates, make sure to keep them in order, to insure that you can re-install them back in their original order.

1. Remove the stock factory rivet heads on front side of the clutch basket. (The clutch basket will be facing up during this operation). Be careful not to damage the clutch basket itself during this procedure.
2. Once rivet heads are ground off flush, use a drift or punch to knock out the rivets. Note: Be sure to use a smaller diameter punch in order to avoid damage to the holes in the clutch basket.
3. After all the rivets have been removed, flip basket over on bench and evenly tap off the old ring gear.
4. With careful use of file, remove all burrs around the rivet holes and the clutch basket / ring gear-mating edges.
5. Install the new ring gear beveled side inward, (toward starter). Make sure to correctly align the rivet holes.
6. Upon correct mating of the clutch basket and ring holes, install the allen head bolts supplied with the kit. Torque to 22 foot/pounds, using blue loctite.
7. Remove jackshaft end-gear and install new one supplied with kit. Be sure to replace the lock tab washer and torque the jackshaft bolt to 5 foot/pounds. (Ideally 60 inch pounds)
8. If primary is dry, use anti-seize on the sleeve and bushing of the inner primary. If necessary, substitute a dry film lubricant. A dry film lubricant is acceptable, make sure you DO NOT use oil or grease.
9. Reinstall clutch basket and check for proper alignment.

The following is an excerpt from Spyke starter tech tips' that you may find useful when completing step 7.

After installing starter and jackshaft, remove clutch nut chain adjuster nut/bolt and slide clutch basket outward. Pull jackshaft out (battery disconnected) and rotate approximately one-quarter turn and note if jackshaft snaps back promptly and smoothly. This procedure is to check for binding in the jack shaft/starter assembly. This procedure is extremely important! Rotate jackshaft

