



2008-2014 DS450
BILLET CLUTCH BASKET
W/ HINSON FIBERS



1.Remove basket

- Remove the pressure plate and the inner hub
- Remove the basket from the bike

2. Remove gear

- Center punch and drill the heads of the rivets off of the back of the basket (see figure 1 and 2)
- Remove the primary drive gear stock
- The stock basket will not be reused



Figure 1



Figure 2

3. Install primary drive gear

- Install the primary drive gear onto your new Hinson Basket.
- Clean the threads in the holes of the basket and the threads on the screws with contact cleaner or another suitable cleaner.
- Apply Red Loctite#272* generously to the cleaned screws and to the threads on the basket (Figure 4 and 5)
- Install the screws provided (tighten to 44 in/lbs.)(Figure 6)
- Using a hammer and punch, peen the screws where they come through the inside of the basket (Figure 7)



Figure 3



Figure 4

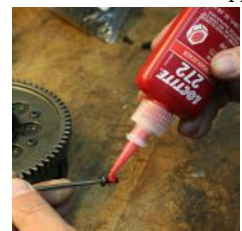


Figure 5

4. Re-install basket into bike

- Re-install the basket and the thrust washer.
- Install the 8 new Hinson fiber plates and 8 stock steel plates onto your inner hub.
- Start with a steel plate alternating with a Hinson fiber plate, ending with a fiber on the top of the stack. Re-install the OE Pressure Plate. When the clutch is installed in the bike the first steel plate should be closest to you. (If this process is installed wrong your clutch will not function properly).
- Re-install inner hub/pressure plate with plate and spring assembly.
- Re-install spring washer and main shaft nut and torque to manufacturers specifications.
- Re-install retaining plate, springs and bolts. Tighten to manufacturers specifications.
- Re-install your stock clutch cover, being sure to inspect your stock O-ring gasket.



Figure 5



Figure 6

SPECIAL NOTE:

When using Hinson clutch basket (H503), it is required to use Hinson fiber plates (FP217-8-001) and clutch springs (CS341-6-0311) with stock steel plates.

LOCTITE * It is crucial that you use RED Loctite #272. To insure proper bonding of the surfaces you need to clean the threads thoroughly with a contact cleaner, acetone, or another cleaning/degreasing solution. To make the bond even stronger you should use a Loctite primer. It is important that you use fresh Loctite since it has a shelf life. To ensure a permanent hold you need to put Loctite into the hole and also onto the screw. Keep in mind that you cannot use too much, you want complete coverage with the Loc-

Clutch tips

- Use Hinson clutch plates in your clutch for the best performance.
- Soak your clutch plates before you install them.
- We recommend using a petroleum based 80 weight Transmission Oil
- Change the oil after each time you ride.
- Always maintain 1/8" to 1/4" of freeplay at the lever and perch.

Warranty information

All merchandise manufactured by Hinson Clutch Components is guaranteed against defects in material and workmanship for a period of six months from the original date of purchase. Use of Kevlar and carbon fiber clutch plates will cause excessive wear and will void your warranty. Hinson Clutch Components will not warranty any product that has been modified, or where the product became defective due to improper installation, improper use, or any other misuse of the product. Hinson Clutch Components shall not be liable for any other damages caused by any defects in the product, whether incidental, consequential or otherwise. You must return the warranty card to validate your warranty. If your product is defective we will, at our discretion, repair or replace the product after it is returned to Hinson Clutch Components for a warranty inspection. Any request for warranty assistance will require your original receipt or acceptable proof of purchase. Hinson Clutch Components liability is limited to the cost of repair or replacement of the product. All warranty items will be viewed and acted upon at the discretion of Hinson Clutch Components .