



Billetproof Clutch Basket with Cushions Kawasaki KX450, KX450XC

Thank you for purchasing Hinson Clutch Components. Please enjoy the high level of factory performance we have included in this package. Looking through these instructions will ensure your machine is on the way to its highest level of performance.

H663-B-2101



1630 W. 11th St. Unit E, Upland, CA 91786

p 909.946.2942 | f 909.985.2301 | www.hinsonracing.com | @hinsonracing

1. Remove basket

- Drain engine oil
- Remove the clutch cover and gasket
- Remove the spring bolts and holders, stopper, spring, and pressure plate
- Remove clutch plates the inner hub
- Remove the basket from the bike



Figure 1

2. Remove gear

- Grind or center punch and drill the heads of the rivets off of the back of the basket to remove the stock retainer plate (see figure 1 and 2)
- Remove the primary drive gear and the stock cushions
- The stock basket, retainer plate, and cushions will not be reused
- Press the oil pump drive gear out of the basket (see figure 3)



Figure 2

3. Install oil pump gear

- Place the oil pump gear in the freezer for at least 15 minutes
- Remove backing plate & screws along with set screws from oil pump gear area.
- Place the Hinson basket (without screws and retainer plate) on a preheated electric range set on high for 3-4 minutes (see figure 4) or put the basket in a preheated oven at 400° for 10 minutes
- Remove the gear from the freezer and basket from the range and immediately drop gear into basket and apply weight downward to the gear to keep it in the basket, then allow the basket to cool down completely
- After installing the oil pump gear Loctite the three provided Hinson set screws to secure gear.

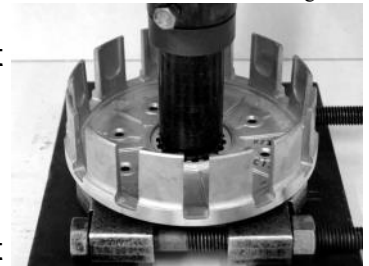


Figure 3



Figure 4

4. Install primary drive gear



Figure 5

- Install the primary drive gear and the Hinson cushions onto your new Hinson Basket with the flat side up (Figure 5), use a lubricant such as WD-40 if necessary
- 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* generously to the cleaned screws and to the threads on the basket (Figure 6 and 7)
- Install the new retainer plate with the new 10X24-11/16" screws and tighten them to 3.3 ft/lbs (Figure 8)
- Using a hammer and punch, peen the screws where they come through the inside of the basket



Figure 6



Figure 7

5. Re-install basket into bike

- Re-install the basket being sure that the primary gears and oil pump gears all mesh with mating gears when dropping in and that the basket is all the way down in the motor then install the thrust washer (note failure to insure basket gears mesh properly and is all the way down can cause oil pump gear to be broke in the motor)
- Re Install the oem inner hub and tighten the main shaft nut to manufacturers specifications (Figure 9)
- Install the clutch plates, and the oem pressure plate
- Install the spring, stopper plate, spring bolts and holders being sure to keep spring as centered as possible on the pressure plate
- Install gasket and cover being sure to inspect the gasket before reinstalling
- Refill with engine oil



Figure 8



Figure 9

Crucial Inspection

If your clutch has a jutter spring and seat ring, located at the bot-
tom of your clutch pack against the inner hub, these need to be
removed

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 Loctite.

Clutch tips

- Use Hinson fiber clutch plates in your clutch for the best performance.
- Soak your clutch plates before you install them.
- Change the oil after each time you ride.

For other parts available for this model visit Hinsonracing.com

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. 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.

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