

Clutch tips

- Use Hinson clutch plates in your clutch for the best performance.
- Soak your clutch plates before you install them.
- We recommend using 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.

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. 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 .



Billetproof® Clutch Basket
1985 ATC250R, 1986-1989 TRX250R

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.

H130



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1. Remove basket

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

2. Remove gear

- Press or push the kick starter gear out of the basket (see figure 1)
- 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 2 and 3)
- Remove the primary drive gear
- The stock basket, cushions, and retainer plate will not be reused

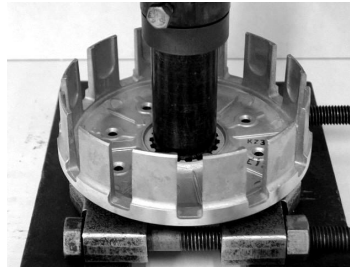


Figure 1



Figure 2

3. Install primary drive gear

- If your motor is a 1985-86 model, then you will need to bevel the edge of the primary crankshaft drive gear teeth so it will clear the back outer edge of the clutch basket (figure 5)
- Install the primary drive gear and your new Hinson cushions onto your new Hinson Basket with the recessed side up (Figure 4), 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)

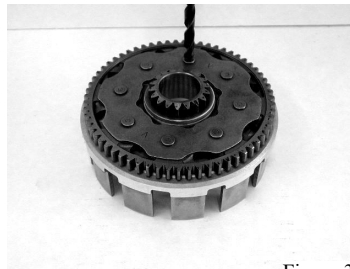


Figure 3



Figure 4

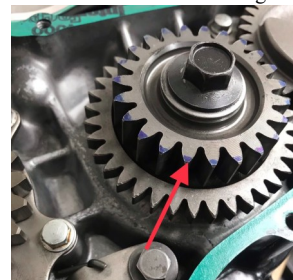


Figure 5

3. Install primary drive gear

- Install the new retainer plate with the new 10X24-1/2" 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

4. Install kick starter gear

- Drop kick starter gear into basket being sure it slides all the way in



Figure 7

5. Re-install basket into bike

- Re-install the basket and the thrust washer
- Re-install the inner hub and tighten the main shaft nut to manufacturers specifications (Figure 9)
- Re-install the clutch plates, and the pressure plate



Figure 8

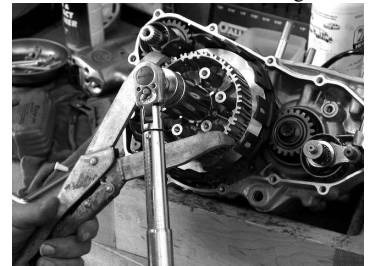


Figure 9

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-