H213

2004-2006 YFZ 450
Billet Proof basket

1630 W. 11th St. Unit E, Upland, CA 91786, P 909 946-2942, F 909 985-2301, www.hinsonracing.com

1.Remove basket

- Remove the pressure plate and the inner hub (Figure 1)
- Remove the basket from the bike

Figure 1

2. Remove gear

- Grind off or center punch and drill the heads of the rivets on the back of the basket to remove the stock retainer plate, be careful not to damage the retainer plate as it will be reused (Figure 2 & 3)
- Remove the primary drive gear assembly and the stamped steel plate holding six coil springs and one belville spring (Figure 4)
- The stock clutch basket and small spacers the rivets went through will not be reused and can be discarded.

Figure 2

Figure 3

3. Installing primary drive gear

- Reinstall the stamped steel plate holding six coil springs and one belville spring onto the back of the Hinson basket (Figure 5)
- Reinstall the stock primary gear assembly over the springs (Figure 6), making sure that the gear is snug against the Hinson basket (Figure 6)

Figure 4

. Install the screws

- Clean the threads in the holes of the basket and the threads on the screws with contact cleaner or another suitable cleaner. (Figure 6)
- Apply Loctite primer to make the bond stronger (Figure 6)
- Apply Red Loctite* generously to the cleaned screws and to the threads on the basket (Figure 7 & 8)
- Install the new 5/16-18X3/4 torx screws and tighten them to 11ft/lbs using the provided t40 bit (Figure 9)
- Using a hammer and punch, peen the screws where they come through the inside of the basket

Figure 6

Figure 7

Figure 8

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
- Re-install the clutch plates, and the pressure plate

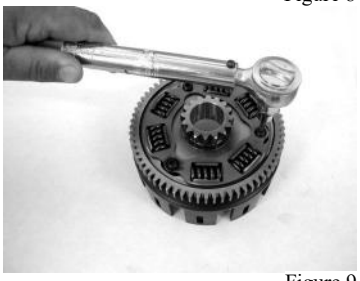

Figure 9

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-

Clutch tips

- Use Hinson clutch plates in your clutch for the best performance.
- Soak your clutch plates before you install them.
- Use a petroleum based 10w-40 Engine Oil
- Change the oil after each time you ride.
- Always maintain 1/8” to 1/4” of free play 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 .

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