# 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 engine oil
- Change the oil after each time you ride.

FOR OTHER PARTS AVAILABLE FOR THIS MODEL
VISIT WWW.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

**THANK-YOU FOR BUYING A HINSON CLUTCH COMPONENT**

HINSON CLUTCH COMPONENTS RACING

## Complete Momentum Clutch Kit HONDA CRF450R/WE/RX

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.

**HCS597-2101**

1630 W. 11th St. Unit E, Upland, CA 91786
p 909.946.2942 | f 909.985.2301 | www.hinsonracing.com

# 1.Remove basket

- Drain engine oil
- Remove the clutch cover, springs, pressure plate, clutch pack and inner hub
- Remove the basket from the bike

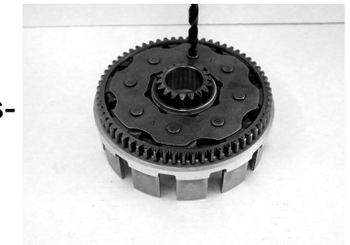

Figure 1

# 2. Remove gear

- Center punch the heads of the rivets on the backside of the basket and drill the head of the rivet off so the retainer plate can come off, be carful not to damage the stock retainer plate as this will be reused on your Hinson basket (Figure 1)
- Or you can grind the heads of the rivets off of the back of the basket to remove the retainer plate (Figure 2)
- Remove the primary drive gear, two spring washers and the stock cushions (Figure 3)
- You will use the primary gear, two washers, and stock retaining plate on your new Hinson basket
- The stock basket, and cushions will not be reused

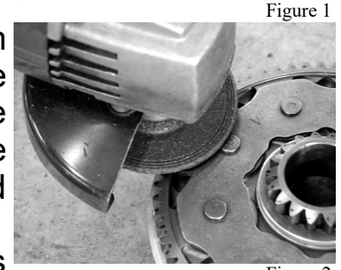

Figure 2

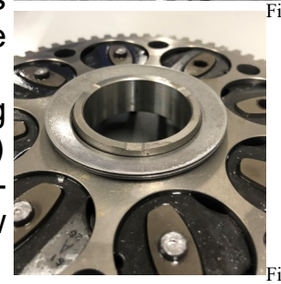

Figure 3

# 3. Install primary drive gear

- Install the stock primary drive gear and your new Hinson cushions onto your new Hinson Basket (Figure 4), you are able to use a lubricant such as WD-40 to get the gear to slide on easier, install two spring washers convex side down (Figure 5) then add the flat washer with notches

Figure 4

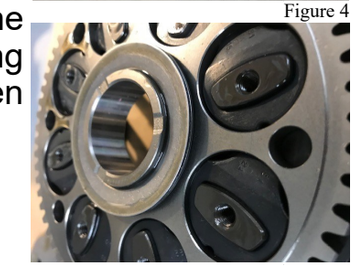

Figure 5

# 4. Install retainer plate

- 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)
- Install the stock retainer plate with the new M6x1-18 T30 screws and tighten them to 106 in/lbs (Figure 7)
- Using a hammer and punch, peen the screws where they come through the inside of the basket (Figure 8)

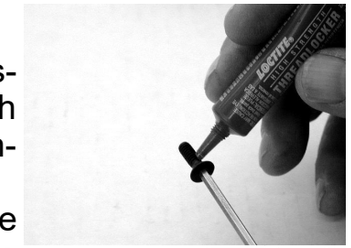

Figure 6

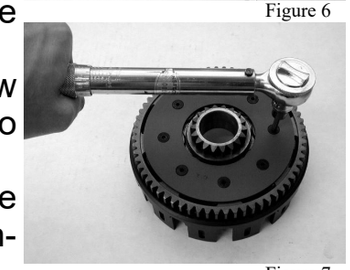

Figure 7

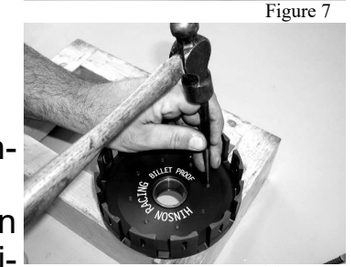

Figure 8

# 5. Re-install into bike

- Re-install the basket and the thrust washer
- Install the Hinson inner hub and tighten the main shaft nut to manufacturers specifications bending the lock tab (Figure 9)
- Install the new clutch plates, Hinson pressure plate, and Hinson springs
- Install the clutch Hinson cover with the OEM oring and refill with oil

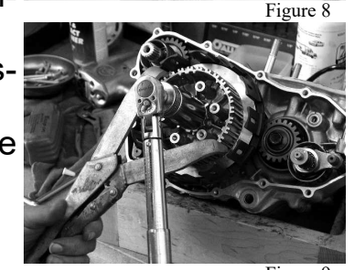

Figure 9

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-