HINSON
CLUTCH COMPONENTS
Racing

Complete Billetproof Conventional Clutch Kit
Suzuki LT-R450 2008-2011

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.

HC277

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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, (Figure 2 & 3)
- Remove the retainer plate, primary drive gear, dampening springs, and the two washers (Figure 4)
- The stock clutch basket and retainer plate will not be reused
- You will reuse the stock gear, stock washers and the stock dampening springs

Figure 2

Figure 3

3. Installing primary drive gear

- Reinstall the stock dampening springs into the Hinson basket (Figure 5)
- Reinstall the stock washers, putting the flat washer on first followed by the bellville washer making the cone of the washer facing up (Figure 5)
- Put on the stock primary drive gear assembly over the springs making sure that the gear is snug against the Hinson basket (Figure 6)

Figure 4

Figure 5

4. Install the screws

- Install your new Hinson retainer plate onto the Hinson basket
- Clean the threads in the holes of the basket and the threads on the screws with contact cleaner or another suitable cleaner. (Figure 7)
- Apply Red Loctite #272* generously to the cleaned screws and to the threads on the basket (Figure 8)
- Install the new 3/8-24X5/8 screws and tighten them to 11 ft/lbs (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 nut to 58 ft/lbs
- Re-install the clutch plates, the pressure plate, the clutch springs and bolts

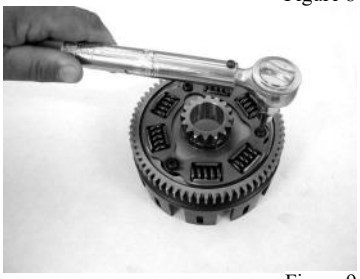

Figure 9

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 80 weight oil
- Change the oil after each time you ride.
- Always maintain 1/8” to 1/4” of freeplay at the lever and perch.

Other parts available for this model

- H268 CLUTCH BASKET
- BTL230 SLIPPER CLUTCH
- H238 INNER HUB/PRESSURE PLATE KIT
- FP230-8 FIBER CLUTCH PLATES
- SP232-7 STEEL CLUTCH PLATES
- C268 CLUTCH COVER
- CS230-6 CLUTCH SPRINGS

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 .

Important! Warranty registration

Products must be registered in order to be eligible for warranty. Please log onto www.hinsonracing.com to activate your warranty registration. You will need to make note of your serial number, the small 8 digit number 180 degrees from Hinson Clutch Components on your part, as you cannot register your product without it.

THANK-YOU FOR BUYING HINSON CLUTCH COMPONETS