5. Re-installation (continued)

- Install cable bracket on left side of case using (2) bolts provided (which replace stick ignition cover bolts) (see figure 11)
- Re-install pressure plate, clutch springs and bolts, leaving the cover off. (pressure plate should make solid connection with the last clutch plate) (see figure 12)
- Adjust out most clutch cable free play using the adjuster in the clutch cable housing and tighten cable housing jam nut. (see figure 13)
- Tighten jam nut on lower end of clutch cable bracket
- Slide free play adjuster boot onto perch adjuster and adjust free play gap between the lever and perch to 1/8”
- Test for proper function of system by squeezing clutch lever and watching pressure plate move. (Note: pressure plate should move roughly 1.5mm)
- Re-install clutch cover and refill transmission oil, using mineral based oil to manufacturers specifications.
- Re-install front number plate, gas tank and seat.

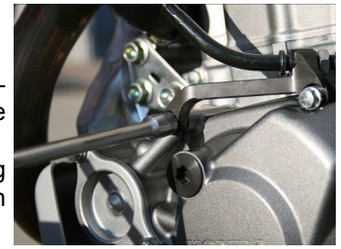

Figure 11

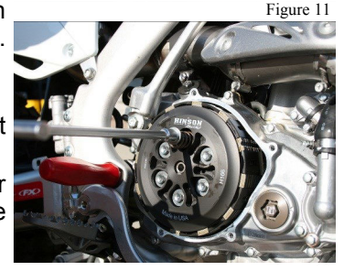

Figure 12

Figure 13

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. You must register your product at www.hinsonracing.com to activate your warranty. 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.

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 very much for purchasing a Hinson Clutch Component!

HINSON CLUTCH COMPONENTS Racing

2009-2014 Honda CRF450R
Clutch Actuator and Cable Routing System

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.

AK389

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1.Drain Transmission Oil

2. Removing stock components

- Remove seat.
- Remove gas tank and front number plate.
- Remove chain guard.
- Remove stock cable and bracket on cases
- Remove clutch cover, pressure plate, and push rod assembly (top hat, bearing, washer, and pushrod). (see figure 1)
- Pull out OE actuator from cases. (see figure 2)

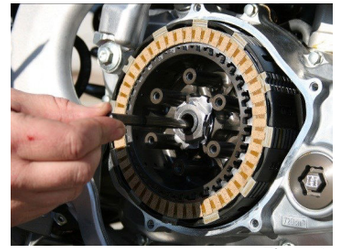


Figure 1

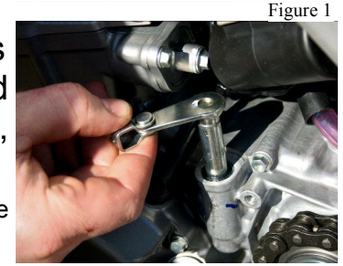


Figure 2

3. Routing Hinson Clutch Cable & Ignition Wire

- Feed clutch cable from left side of engine between down tube of frame and radiator hoses, upward along right side of steering head through OE cable guide. (see figure 3-4)
- Re-install chain guard, rerouting ignition cable through. (see figure 5)

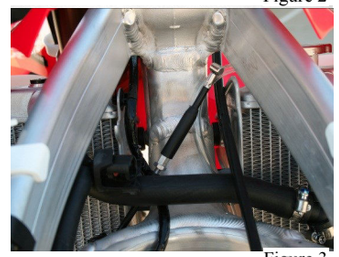
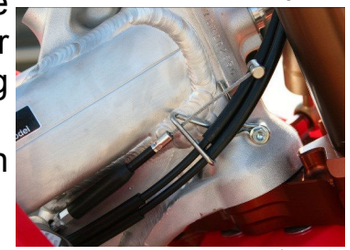


Figure 3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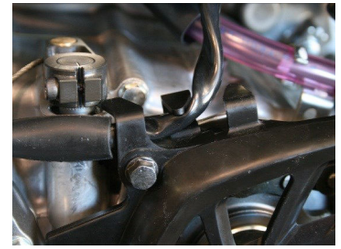
Figure 5

4. Installing Hinson Actuator

- Install new Hinson actuator into case, pointed towards clutch.
- Install brass cable end provided onto clutch cable.
- Insert lower end of cable into Hinson actuator arm (see figure 6)
- Rotate actuator arm to point to the right of the motor. (see figure 7)

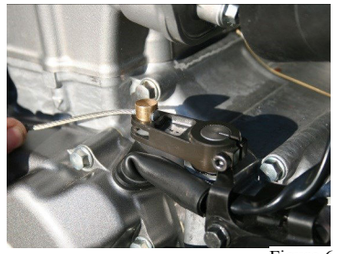
Figure 6

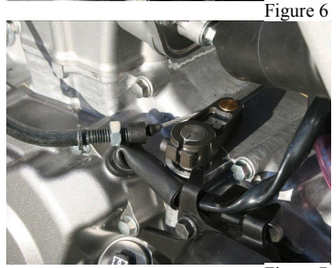
Figure 7

5. Re-installation

- Re-install stock free play adjuster boot onto Hinson clutch cable (see figure 8)
- Re-install clutch cable into lever and perch, and set perch adjuster nut 5 turns out.
- Re-install push rod assembly, paying attention to it engaging the actuator (see figure 9)
- Check engagement of actuator and push rod assembly by moving actuator arm and feeling the push rod assembly move in and out.
- Remove dust boot and jam nut from lower end of clutch cable and feed lower clutch cable housing through cable bracket. Start jam nut but leave very loose. (see figure 10)

Figure 8

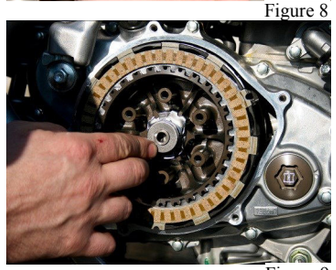
Figure 9

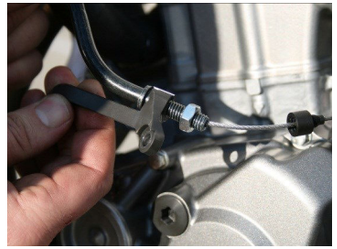
Figure 10