



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. 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.

We recommend petroleum 10w-40 Racing Oil, and that you change it after each time you ride. Also we recommend soaking your clutch plates in oil before you install them.

For more products also available for this model visit Hinsonracing.com

Thank you for purchasing a Hinson Clutch Components product. If you have any questions or need technical assistance, please call us at (909) 946-2942, Monday through Friday between the hours of 7:30AM-4:30PM Pacific Standard Time

Thank you very much for purchasing a Hinson Clutch Component!



YZ450F Billetproof Inner Hub & Center

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.

H616-IH-2301



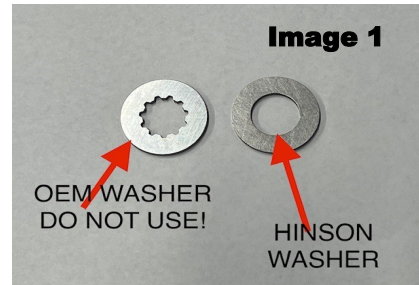
1630 W. 11th St. Unit E, Upland, CA 91786
p 909.946.2942 | f 909.985.2301 | www.hinsonracing.com



1630 W 11th ST, UNIT E, UPLAND, CA 91786 909.946.2942, 909.985.2301 FAX

YAMAHA 450F INNER HUB & CENTER

Congratulations, you have just purchased the finest inner hub available. Hinson Clutch Components are used by Team Honda, Team Red Bull KTM and Team Pro Circuit Kawasaki.



Instructions:

1. Drain engine oil
2. Remove clutch cover and gasket
3. Remove 6 stock pressure plate bolts and washers, pressure ring, spring, spring housing seat, & pressure plate
4. Remove main shaft nut and washer. Note we recommend replacing the nut with a new oem nut part# 90179-18015-00 as it is a ping style nut and will be damaged on removal.
5. Remove the 6 collar sleeves
6. Remove clutch plates, inner hub and center
7. **NOTE:** The splined thrust washer behind inner hub will be replaced by the provided Hinson thrust washer that is not splined. (see image #1)
8. Remove oem center from inner hub by pressing it out of outer inner hub (see image 2)
9. Inspect 6 rubber dampeners inside for any wear or cracking. If wear or cracking is seen replace before installing in new Hinson inner hub (see image 3)
10. Install new or inspected dampeners into new Hinson inner hub and install your new Hinson inner hub center. The Hinson center is a tighter fit than oem so some grease on the dampeners or centers ribs will help when pushing it in. Be sure that the center pushes all the way in. (see image 4 & 5)
11. Install your new Hinson non splined thrust washer (see image #1), inner hub and center into the bike and reinstall upper washer that sits under the main shaft nut and clean the main shaft threads and install new main shaft



11. (cont) nut torquing to manufactures specifications and then ping nut in the two areas cleared on main shaft (be sure inner hub spins free after torquing)
12. Install a couple of the collar sleeves being sure they do not fall into the motor
13. Inspect clutch pack and reinstall if it checks out okay. Then reinstall the rest of the collar sleeves
14. Reinstall oem pressure plate, spring housing seat, spring, pressure ring, and 6 bolts and washers being sure to keep spring as centered as possible
15. Inspect clutch cover gasket and replace if needed. Install gasket and cover and tighten bolts
16. Refill with engine oil
17. Check free play at lever and adjust to 1/8 to 1/4 inch

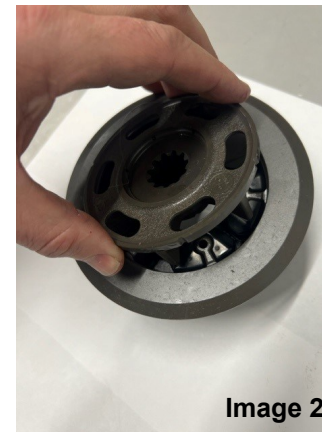


Image 2



Image 3



Image 4



Image 5