

WARNING : THIS HEAVIER FLYWHEEL WILL CHANGE THE PERFORMANCE OF YOUR CRF. Ride slowly until you familiarize yourself with the performance changes and become comfortable with the way the bike produces power with the new part.

You must use a special CRF flywheel puller (Steahly part number E-63) for this installation. Do not use any other type of puller or you will be very sorry. An air impact wrench is also highly recommended.

1. Drain 20% of the oil from the bike first.
2. Shut the gas supply off on the bike, then lay it over on its side. A small amount of gas will leak from the overflow tubes when the bike is first laid down.
3. Remove the shift lever .
4. Remove the oil filler cap.
5. Remove 8 bolts holding the side cover on (no need to remove one of the oil filter bolts).
6. Disconnect clutch cable and lay cable out of the way.
7. Remove side case and lay it next to the main case to avoid removing any wires. TAKE CARE - do not allow the two alignment pins to come loose from the side case. They CAN stay in the side case or in the main case, but you don't want them to fall out and get lost, or even worse, dropped in the oil for later consumption by the
8. Use a 17mm socket and air impact wrench to remove the flywheel retainng nut. If an air wrench is not available, you can try holding the rear wheel with the bike in 5th gear while removing the 17mm flywheel nut. (Nut removal tip for CRF 450 - use at your own risk - put an 8mm socket with an extention on the head of the case bolt at the front of the motor (see arrow at picture above) and push down and hold tight. The counter balancer will bump into the socket and stop the motor from rotating while you loosen the 17mm nut).
9. Use the special flywheel puller to remove the flywheel. Remember to install the protective nut on to crankshaft to avoid damage to end of flywheel (Note: there is a small hole on the shaft that allows for oil flow to the crankshaft - using the correct flywheel puller will protect this hole).
10. Install the new flywheel (with the key way lined up with the wooddruff key on the crank shaft) and torque flywheel bolt to 47 foot pounds. Do not use thread locking compound.
11. For ease of assembly, connect clutch cable before installing bolts.
12. Replace the side case. Use a new gasket if necessary. Torque side case bolts to 7 foot pounds. Do not overighten these bolts!



CRF 450 IGNITION COVER MODIFICATION for Part Number 515H ONLY

The heaviest Steahly flywheel (total weight 35 ounces) will require modifications to the side cover for installation. Please refer to image for guidance. The two solder balls should have the tops filed flat. Stop filing if you start to see the wires in the solder. Also remove about 2mm from the metal fin on the inside of the ignition cover as shown in the photo. No cover mod

LIMITED WARRANTY

The manufacturer warrants this flywheel to be free from defects in material and workmanship under normal use and if properly installed for a period of 90 days from date of purchase. If found to be defective as mentioned above, it will be replaced or repaired. This shall constitute the sole remedy of the purchaser and the sole liability of the manufacturer. To the extent permitted by law, the foregoing is exclusive and in lieu of all other warranties or representations whether expressed or implied, including any limited warranty of merchantability or fitness. In no event shall the manufacturer or dealer be liable for special or consequential damages.