

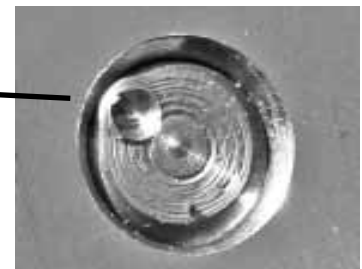
Installation Instructions for CRF 150R and KX450F Steahly Flywheel Weight

Warning: Improper installation of this flywheel weight could result in engine damage or a serious crash. If you do not have the tools or the mechanical abilities take it to a professional.

1. Drain the engine oil or turn off the gas and lay the bike on its side.
2. Remove the shift lever.
3. Remove the ignition cover. Take care not to tear the gasket or have a new gasket on hand. Be careful that you don't lose the two dowel pins that are between the cover and the engine case.
4. Remove the flywheel nut. Use an air impact wrench or figure out a way to keep the flywheel from rotating while you remove the nut. A strap wrench or an automotive oil filter wrench may work as a holding tool or try putting the bike in high gear and holding the rear brake on.
5. Pull off the stock flywheel with the proper flywheel puller that has a crank end protection cap. Steahly part number E-63. Do not attempt removal without the correct puller. Do not use claw type pullers.
6. Fit the flywheel weight on to the stock flywheel. Line up the two threaded holes in the weight with two holes in the stock flywheel.
7. Clean the threads of the two special bolts with contact cleaner. Put a big drop of red Loctite or other high strength thread locker on the threads of the 2 bolts. Install the two special bolts as shown in the picture and torque to 12 foot pounds.
8. Unless you plan to take the weight on and off a lot we highly recommend using a center punch and a hammer to flare out the threads at the end of the bolt (see pictures below). This will reduce the possibility of the bolt coming loose.
9. Clean up the flywheel and weight and remove any metal stuck to the magnets.
10. Install the flywheel with weight back onto the tapered crank shaft end making sure the key ways are lined up. Torque the stock nut to 42 ft- lbs.
11. Install the ignition cover with the 2 dowel pins, using a new gasket if necessary. Install the shift lever. Replace the motor oil if needed and make sure the motor turns over freely before starting.
12. Check the tightness of the two flywheel weight bolts after every ten hours of riding. This can be done without removing the flywheel



Bolt end after center punching, notice the flared edge.



Warning: adding flywheel weight will change the power delivery of the engine. Ride slowly and use caution until you are familiar with the power changes.