

## STEAHLY FLYWHEEL INSTRUCTIONS FOR CRF 450X

1. Drain the oil or turn off gas and lay bike on the right side. Remove the shift lever and the ignition cover, taking care not to tear the gasket, or have a new gasket available. Watch out for the 2 dowel pins that go between the cover and the engine so they don't fall into the engine.
2. Remove the flywheel nut. To prevent the flywheel from rotating you can use, at your own risk, an 8mm socket with an extension on the case bolt at the front of the engine. Hold the socket-extension firmly while rotating the engine and the counter balancer weight will bump into the socket-extension and stop the motor.
3. Remove the flywheel using only the proper puller with the crank end protector cap such as Steahly part number E-662.
4. Replace the bolt (with the 8mm head) that holds the oil splash shield, located below the cam chain sprocket, with the enclosed screw. Clean all threads with contact cleaner and use thread lock compound such as Loctite.
5. Clean the flywheel, flywheel weight, and the two 8mm bolts with contact cleaner.
6. Install the weight onto the back side of the flywheel. Line up the two bolt holes in the weight with the two small holes in the flywheel that are 180 degrees across from each other. Put high strength thread locker (such as red Loctite) on the threads of the two special 8mm bolts. From the inside of the flywheel, screw in the two bolts. Torque to 15 ft/lbs. Use caution, do not damage the magnets on the inside of the flywheel.
7. Turn the flywheel over and use a flat file to remove any burrs, high spots, or bolt ends from the flat surface of the flywheel. Use a center punch and a hammer to stake the bolt ends, that means you will flare out the threads at the end of the bolt so the bolt becomes very difficult to unscrew. See the pictures. Remove any high spots with the flat file.
8. Install the flywheel with the weight back onto the bike. Torque the nut to the factory specification, which is about 40 ft/lbs. Carefully rotate the engine to make sure the weight does not hit anything inside the engine.
9. Install the cover with the 2 dowel pins. Install the shift lever. Add oil if needed. Kick the bike through a few revolutions before starting to make sure the weight is not hitting anything inside the engine.



**USE CAUTION AND RIDE SLOWLY UNTIL YOU GET USED TO THE POWER CHANGES THAT A FLYWHEEL WEIGHT WILL GIVE. CHECK THE FLYWHEEL WEIGHT BOLTS REGULARLY TO BE**