

Steahly Off Road

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2009 HONDA CRF 450R FLYWHEEL INSTALLATION INSTRUCTIONS

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-662) for this installation. Do not use any other type of puller or you may ruin your flywheel and/or crankshaft. The flywheel puller comes with a cap for the end of the crankshaft. YOU MUST USE THIS CAP or you will damage your crankshaft. Also make sure the woodruff key remains seated in the crankshaft, as it may come loose in the removal of the flywheel. An air impact wrench is also highly recommended. Steahly Off Road is not liable for any damage due to incorrectly installed flywheels.

1. Drain the oil from the bike or lay the bike on its side.
2. Remove the shift lever.
3. Remove the bolts that hold the side cover on.
4. 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 motor!!
5. Use a 17mm socket and air impact wrench to remove the flywheel-retaining 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.
6. 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/crank (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).
7. Replace the timing chain guide bolt with the special supplied bolt. To do that, remove the stock bolt and bushing. Replace it using the supplied 6 x 25mm flat head screw without the bushing, using thread locker compound (Loctite) on the bolt. Torque the screw to the manufactures specification.
8. Install the new flywheel (with the key way lined up with the woodruff key on the crank shaft) and torque flywheel nut to stock specifications (or 42 foot-pounds). Do not use an impact wrench to tighten; you may damage the crank end or flywheel. Do not use thread-locking compound.
9. Replace the side case. Use a new gasket if necessary. Torque side case bolts to 7 foot-pounds. Do not over tighten these bolts!
10. Refill engine oil if needed.