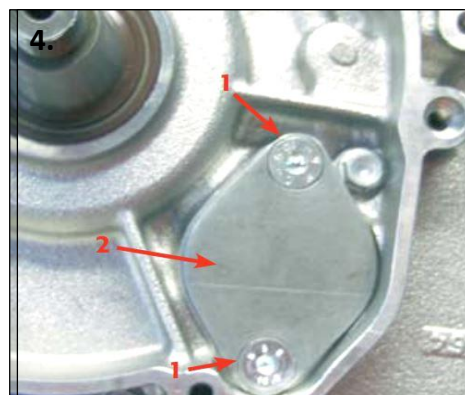
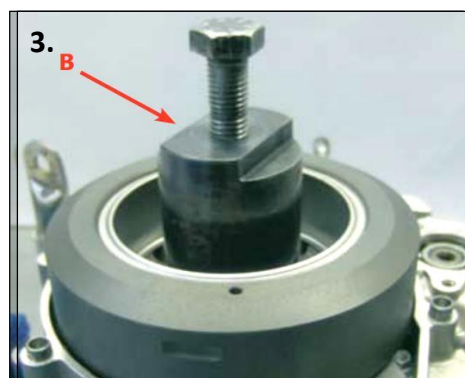
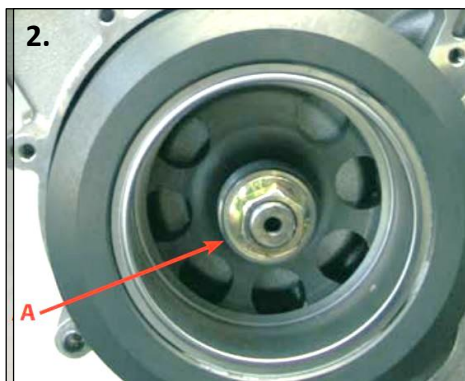
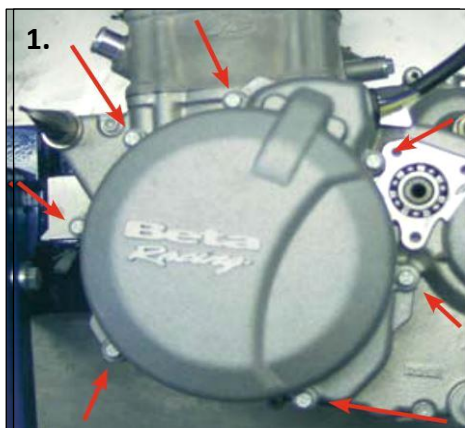




# Evo 4T Oil Pump Upgrade Kit

Part# AB-80224

Fits: 2009+ Evo 4-Stroke



## Installation Instructions, read entire instruction page before beginning:

### Evo Oil Pump Kit includes:

- 1 - Oil pump inner & outer gears, & locating pin
- 1 - Oil pump gear cover
- 1 - NGK Spark plug

**Tools needed:** Flywheel removal tool #01.00040.000, 14mm & 8mm sockets, 4mm allen wrench, circlip pliers, torque wrench, oil drain pan.

**Note:** The Evo 4-T Oil Pump Upgrade Kit improves oil flow & overall engine lubrication while providing the benefits of decreased engine braking. Wash & dry the bike thoroughly before beginning, take note of all engine components & their assembled positions during disassembly.

1. Remove foot shifter, remove countershaft sprocket cover & mounting bolts.
2. Loosen engine drain plug & drain engine oil into a suitable container.
3. Remove the spark plug cap & spark plug, set piston at top dead center.
4. Remove flywheel cover bolts & flywheel cover, with stator & pickup mounted to it, Fig 1.
5. Note positions of the two gasket locating dowels. Unscrew the flywheel retaining nut (A), Fig 2.
6. Screw flywheel extractor tool 01.00040.000 into flywheel threads, Fig 3.
7. Extract the flywheel using flywheel extractor & extract by tightening the center bolt (B).
8. Remove oil pump cover bolts (1) & oil pump cover (2), Fig 4.
9. Remove pump outer rotor (4) with circlip pliers then remove the pin (3), Fig 5.
10. Remove inner pump rotor (5), making sure the outer O-ring (6) is in good condition.
11. Both outer rotor (A) & inner rotor (B) have small reference marks on them, Fig 6.
12. Both marks must be on the same side of the pump, facing inwards into the engine case, Fig 6.
13. Lube & install new inner pump rotor, & locating pin, onto the inner pump shaft.
14. Lube & install new outer pump rotor, coating both rotors & outer o-ring with oil.
15. Refit the cover onto the pump housing, tighten both mount screws to 10 Nm.
16. Remove any grease on the tapered section of the crankshaft before re-fitting the flywheel.
17. Insert the drive key (1) into the keyway port, using a rubber hammer if necessary, Fig 7.
18. Fit the flywheel (2), tighten the mounting nut (3), & torque it to 120 Nm.
19. Refit the flywheel cover, noting the position of the two gasket locating dowels.
20. Tighten mounting bolts to 10 Nm, the two M6x35 screws are to mount the sprocket cover.
21. Reinstall spark plug & spark plug cap, reinstall shifter, refill engine oil, tighten the drain plug.

