



EVOLUTION INDUSTRIES 30 TOOTH SPROCKET KIT
INSTALLATION INSTRUCTIONS FOR 2006 DYNA AND 2007
AND LATER BIG TWINS



Before installing any parts you must first familiarize yourself with the supplied installation instructions and factory service manual. Second you must disconnect the battery before any mechanical work is performed. Warning: 6th gear indicator light and factory electronic cruise control may not work on equipped models; problem can be corrected with the TTS MASTERTUNE also available through Evolution Industries part number 2000000. Caution: double check chain clearance after the new compensator sprocket is installed to the alternator rotor cup, chain must not make contact. If contact occurs between chain and rotor cup surface, material must be removed no more than 1/8" inch from rotor cups edge shown in figure 1.

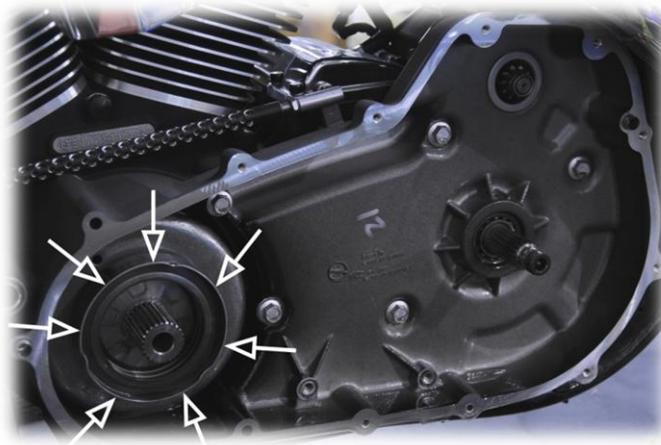


Figure 1

- 1) Remove primary cover using factory service manual. Figure 2



Figure 2

- 2) Remove chain tensioner. Figure 3



Figure 3

- 3) Per factory service manual remove basket, compensator sprocket and chain. Figure 4



Figure 4

- 4) Install new 30 Tooth sprocket chain and basket. Figure 5



Figure 5

- 5) The factory recommends installing a new compensator bolt each time you remove it. Torque to factory specs. *Available through Evolution Industries Bolt and Washer kit part number 1004-3011.*



Figure 6

Figure 6

- 6) Install basket hub nut and torque to spec, also install clutch cable adjuster plate and nut using stock snap-ring. Figure 7



Figure 7

- 7) Install chain tensioner. (caution: chain tensioner will be under spring pressure as you install it) figure 8



Figure 8

- 8) Final check, make sure everything is torqued. Re-install new primary gaskets and oil.
9) As you can see in figure 9 the substantial weight reduction.



Evolution Industries would like to hear from you after you have fully used this kit, we would love to hear your feedback.