

INSTALLATION INSTRUCTIONS

DRAG SPECIALTIES DRAG COMPENSATOR ELIMINATOR SPROCKET KIT P/N 1120-0390

ATTENTION INSTALLER (if other than owner): Please forward this Instruction Sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

INTRODUCTION: These instructions describe the procedure for properly installing the solid compensator eliminator sprocket kit on 2007-2017 Big Twin models.

Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations:

NOTE: A **NOTE** provides key information to make procedures easier or clearer.

CAUTION: A **CAUTION** indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

WARNING!: A **WARNING** indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.



PROCEDURE:

NOTE: THIS KIT FEATURES A SOLID SPROCKET. THE SPRING COMPENSATOR IS DELETED AND NO LONGER USED.

FOR ALL 07-10 MODELS (SEE PAGE 2 FOR 11-17 MODELS):

1. Disconnect the positive battery cable.
2. Drain and then remove the primary cover.
3. Remove the center bolt on the compensator sprocket assembly (figure 1) and the clutch retaining nut.
4. Remove the compensator sprocket and clutch/primary chain as an assembly.
5. Slide the alternator rotor off the sprocket shaft (figure 2).
6. Place alternator rotor on bench with spring pack facing up.

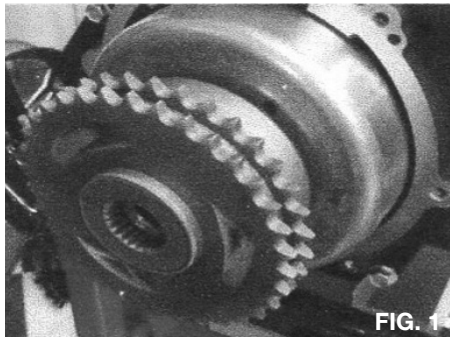


FIG. 1

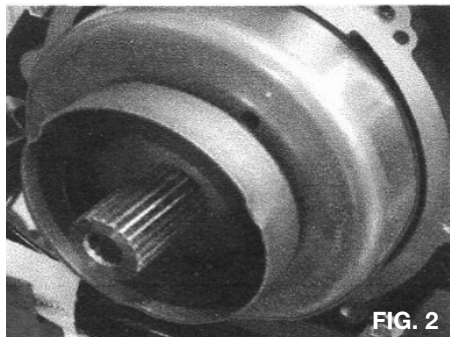


FIG. 2

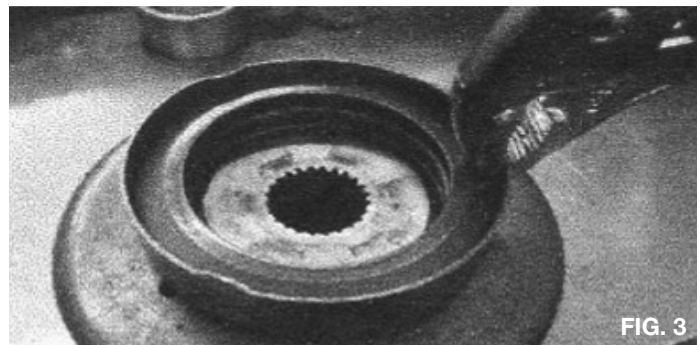


FIG. 3

7. Bend back one of the three crimps that retain the Bellville spring pack (figure 3).

NOTE: Although not recommended, you may install the alternator rotor back on the shaft with the Belleville spring washers remaining in the alternator rotor. However, running the motor with the Belleville springs installed but not compressed may cause excessive noise and vibration.

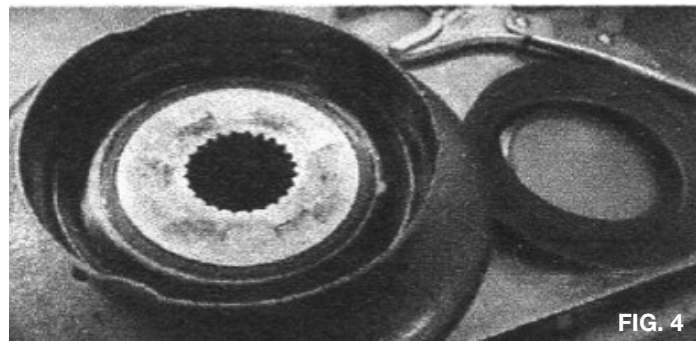


FIG. 4

8. Remove all the springs from the rotor (figure 4).



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9. Re-install the rotor onto the motor shaft.
10. Re-install the clutch assembly along with the primary chain and the new sprocket assembly.
11. Install the washer onto the original bolt with recess side facing toward the motor.
12. Install the original bolt into the center of the sprocket assembly with red thread adhesive.

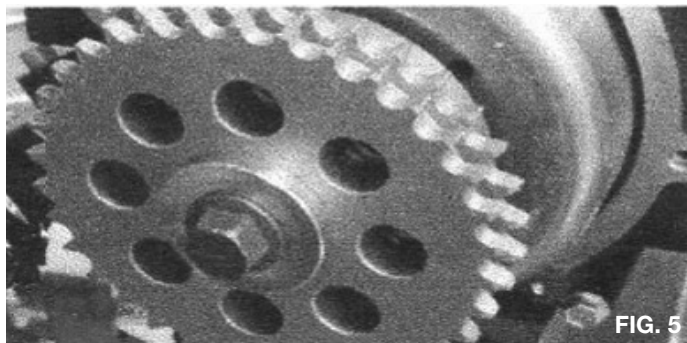


FIG. 5

13. Torque front sprocket bolt to 140-165 ft/lbs (figure 5).
14. Secure clutch assembly with original nut.
15. Install primary cover with new gasket.
16. Fill primary with correct amount of oil.
17. Reconnect battery.

FOR ALL 11-17 MODELS WITH SCREAMIN' EAGLE STYLE COMPENSATOR SPROCKET:

1. Disconnect the positive battery cable.
2. Drain and then remove the primary cover.



FIG. 6

3. Remove the center bolt on the compensator sprocket assembly (figure 6) and the clutch retaining nut.

4. Remove the compensator sprocket and clutch/primary chain as an assembly.



FIG. 7

5. Install flat washer included with kit against alternator rotor (figure 7).
6. Re-install the clutch assembly along with the primary chain and the new sprocket assembly.
7. Install the washer onto the original bolt with recess side facing toward the motor.
8. Install the original bolt into the center of the sprocket assembly with red thread adhesive.

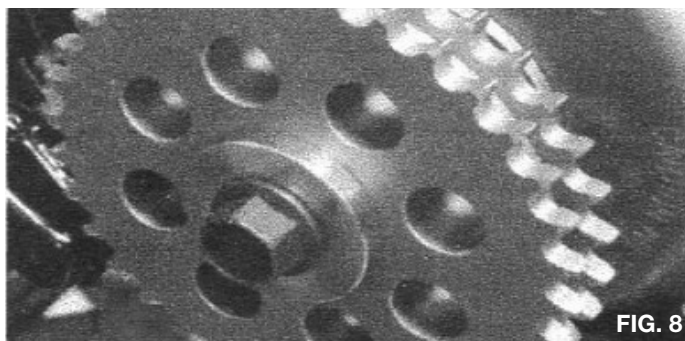


FIG. 8

9. Torque front sprocket bolt to 140-165 ft/lbs (figure 8).
10. Secure clutch assembly with original nut.
11. Install primary cover with new gasket.
12. Fill primary with correct amount of oil.
13. Reconnect battery.

WARNING! Before operating motorcycle, be sure all hardware is tight.

