



106 Tooth Ring Gear Installation Instructions

Evolution Industries strongly recommends installation be performed by a certified Harley-Davidson technician or an independent V-twin service shop.

Please follow the factory service manual to ensure proper installation and safety while installing this product. These instructions will only note the differences, if any, between Evolution Industries and O.E. Installations. All other steps can be followed from the factory service manual.

Before beginning installation of your kit, make sure you have received the correct parts necessary for the installation on your bike.

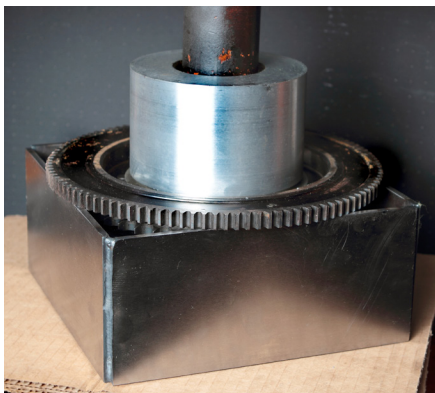


Fig. 1

Note: This Kit is designed for '07 & Later Big Twin (Also '06 Dyna) Evolution Industries & O.E. Harley-Davidson Clutch Baskets.

1. Remove your clutch basket assembly from the primary chain case following the steps outlined in the Factory Service Manual. Remove the pressure plate and clutch pack from the basket to make handling of the basket easier.

2. Place the clutch basket upside down in a bottle jack press or strong Arbor press. Support the basket by the outer edges of the ring gear. Place something soft under the basket to catch the basket when it becomes free from the ring gear. (Fig. 1)

3. Press the basket away from the ring gear using a block to spread the pressure. Do NOT put any pressure against the drive hub or basket bearing. (Fig. 2)

4. Heat your new replacement ring gear by using a hot plate or oven. If using an oven, set temp to 375-400 degrees and leave the ring gear for a minimum of 30 minutes. (Fig. 3)

5. Clean the edge of the basket where the new ring gear will sit. Make sure there were no new burrs created by pressing the old ring gear off. Also wipe the inside diameter of the new ring gear to make sure it is also clean and free of debris.

6. Make sure to wear thick gloves to remove the heated ring gear from the hot plate or oven and drop the ring gear onto the basket. It helps to spin the ring gear to know it is centered and all the way pressed down. (Fig. 4)

7. After the ring gear cools down, you are ready to re-install everything. Follow the Factory Service Manual procedures for re-installation of the clutch basket assembly. It is always recommended to replace the starter clutch at this time to ensure both gears mate properly.



Fig. 2



Fig. 3



Fig. 4

