

BIG TWIN STARTER FASTENERS

Purpose

It has been determined that some 2006 Dyna and 2007 Touring, Softail and Dyna model starter fasteners may lose clamp load. This can cause the starter to loosen and lead to poor ground contact which can result in poor starting as well as possible damage to starter.

For the 2008 model year, the starter fastener torque was increased to 25-27 ft-lbs (33.9-36.6 Nm). On the Softail and Dyna models, the increase in fastener torque will remedy the condition. On Touring models, the increase in fastener torque and replacement of the exhaust bracket will remedy the condition.

If a 2006 Dyna or a 2007 Touring, Softail or Dyna model displays erratic starting or grinding during starting, follow the procedure listed below.

Motorcycles Affected

- All 2006 Dyna models.
- All 2007 Touring, Softail and Dyna models.

Required Dealer Action

NOTE

Obtain the applicable service manual for all removal and installation instructions.

1. If starter displays erratic starting or grinding is heard during starting, remove starter.

NOTE

Fretting is the combined wear and corrosion of contact surfaces. This can occur under clamp load in the presence of vibration.

2. See Figure 1. Inspect starter mounting surface (2) and matching area on inner primary for fretting and arcing (3) which is a pitting condition caused by insufficient ground.
3. Clean fretting on starter and mating surface with a dry abrasive pad.

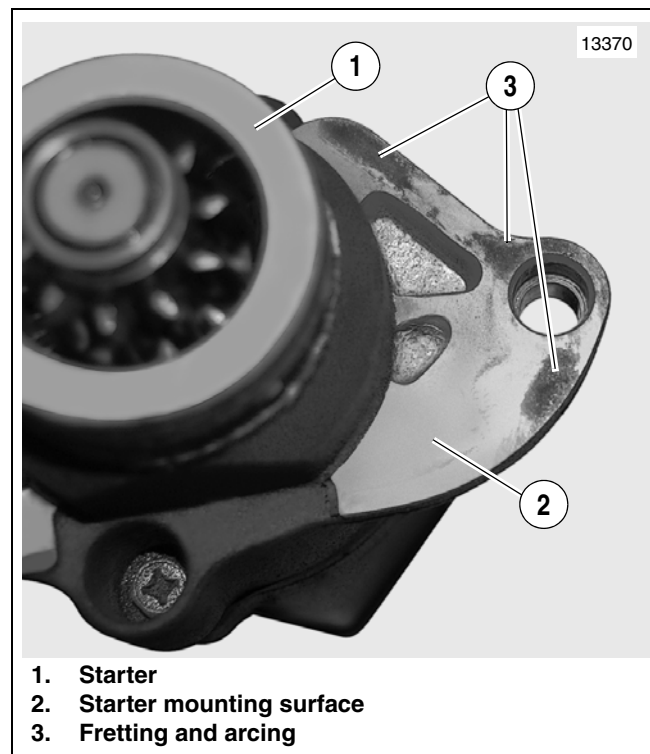


Figure 1. Fretting

IMPORTANT NOTE

In the interest of preserving customer safety and satisfaction, always check for outstanding recalls whenever any motorcycle is brought into your dealership for either maintenance or service.

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	WARRANTY PROCESS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

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4. Inspect starter pinion gear. Replace pinion gear if damaged (cracked or missing teeth). Rounding of pinion gear teeth is considered normal. If pinion gear needs to be replaced, inspect ring gear on clutch. Replace clutch ring gear if damaged.
5. On Touring models, replace 65988-07 exhaust bracket with 65988-07A exhaust bracket. The 65988-07A bracket has an improved finish and minimizes clamp load loss.
6. Install starter. Clean starter fastener threads. Apply LOC-TITE 243 (blue) to threads of starter fasteners. Tighten fasteners to 25-27 ft-lbs (33.9-36.6 Nm).
7. Update the starter mounting bolt torque to 25-27 ft-lbs (33.9-36.6 Nm) in the:
 - 2006 Dyna service manuals
 - 2007 through 2009 Dyna, Softail and Touring service manuals

2009 Touring Service Manual

The starter mounting bolt torque value listed in the 2009 TOURING MODELS SERVICE MANUAL is incorrect. The manual states that starter mounting bolt torque is 13-20 ft-lbs (17.6-27.1 Nm). The proper torque is 25-27 ft-lbs (33.9- 36.6 Nm), including application of medium strength threadlocker 243 (blue) to the threads of the fasteners. Please update the manual to reflect this change.