

IMPROVED STARTER JACKSHAFT LIP SEAL

Purpose

A new improved starter jackshaft lip seal will be introduced as a running change on all 2005 Big Twin model motorcycles on or around 11/01/04.

The new improved lip seal is part number 12066A and can be easily identified by the presence of two lip garter springs, one on the open (clutch) side and the other on the closed (transmission) side of the seal carrier. See Figure 1.

NOTE

The old style lip seal, part number 12066, has only one lip garter spring installed on the open (clutch) side of the seal carrier. Use your remaining inventory of 12066 seals before installing the new improved 12066A seal.

Motorcycles Affected

The new improved starter jackshaft seal retrofits all Big Twin model motorcycles manufactured since 1994.

Required Dealer Action

NOTE

If wet oil is observed around the starter jackshaft lip seal, replace the seal as described below. While performing the procedure, inspect all other components for damage or wear and remember to replace all related gaskets and seals.

Removal

1. Remove the primary chaincase. See the appropriate service manual for instructions.
2. Remove lip seal from jackshaft bore of primary chaincase. Approach from the transmission side using a suitable seal or bushing driver.

Installation

1. Place primary chaincase in arbor press with the clutch side up. Support forward part of case so that it lies flat on transmission mounting flanges.
2. Lightly apply clean engine oil to O.D. of **new** lip seal.
3. With the open side of the seal carrier facing up, place lip seal in the jackshaft bore. See Figure 2.



Figure 1. Jackshaft Lip Seal (Transmission Side)



Figure 2. Install Jackshaft Lip Seal with Open Side of Seal Carrier on the Clutch Side

4. Using a suitable seal or bushing driver, press squarely on the outer edge of the seal carrier until it makes solid contact with the shoulder on the transmission side.
5. Verify that seal is square in the bore and completely seated around its circumference.
6. Lubricate the lip seal with clean engine oil.
7. Install the primary chaincase. See the appropriate service manual for instructions.

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	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
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