

XB CRANKCASE SERVICE KIT

General

This kit is designed for installation on Buell XB Models whenever crankcase components are serviced.

NOTE

Early (Prior to August 2003) XB Models were manufactured without an Oil Seal Retaining Ring installed on the sprocket shaft (left) side of the crankcase above the oil seal. On early 2003 XB Models, you will be installing the oil seal retaining ring provided in this kit.

Later (August 2003-On) XB Models are manufactured with an Oil Seal Retaining Ring installed on the sprocket shaft (left) side of the crankcase above the oil seal. On August 2003 and later XB Models, you will be replacing the existing oil seal retaining ring with the new oil seal retaining ring provided in kit.

Kit Contents

Qty	Description	Part Number
1	Retaining ring, oil seal (in Crankcase Service Kit)	35114-02

Refer to Service Parts Page Illustration for location of retaining ring.

WARNING

A Service Manual is required to install this kit. The rider's safety depends upon the correct installation of this kit. If the procedure is not within your capabilities or you do not have the correct tools, have your Buell dealer perform the installation. Improper installation of this kit could result in death or serious injury.

NOTE

A Service Manual for your motorcycle is available at your Buell Dealer.

Installation

NOTE

When assembling crankcase, lubricate all parts with Harley-Davidson 20W50 Engine Oil.

1. Early 2003 XB Models (without Oil Seal Retaining Ring)

When assembling new crankcase, follow all instructions in Service Manual however, add the following Step immediately after installing the Sprocket Shaft Oil Seal.

- See Service Parts Illustration and Figure 1. Obtain new oil seal retaining ring (2) from kit. Install retaining ring to groove in crankcase outside of oil seal.

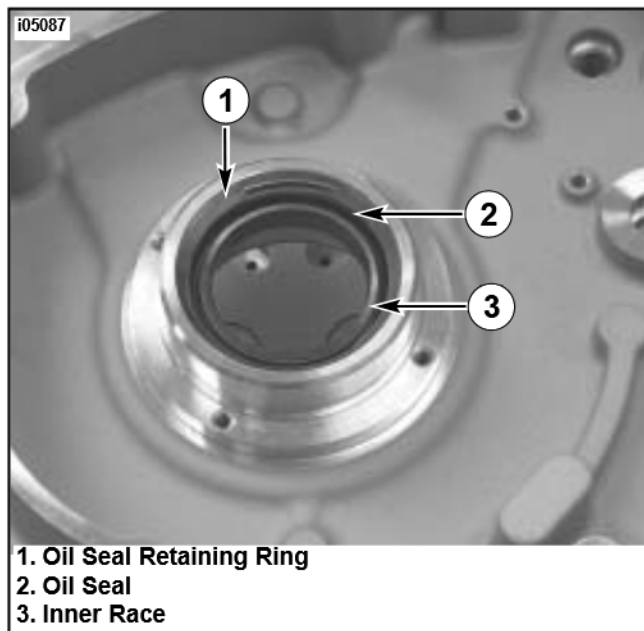


Figure 1. Install Oil Seal Retaining Ring

1. Late 2003 and Later XB Models (with Oil Seal Retaining Ring)

- When disassembling crankcase, follow all instructions in Service Manual however, immediately prior to removing sprocket shaft oil seal, remove and discard existing oil seal retaining ring. See Figure 2.
- Refer to Figure 1 and Service Parts Illustration. When assembling crankcase, follow all instructions in Service Manual however, immediately after installing sprocket shaft oil seal, obtain new retaining ring (2) from kit and install to groove in crankcase outside of oil seal.

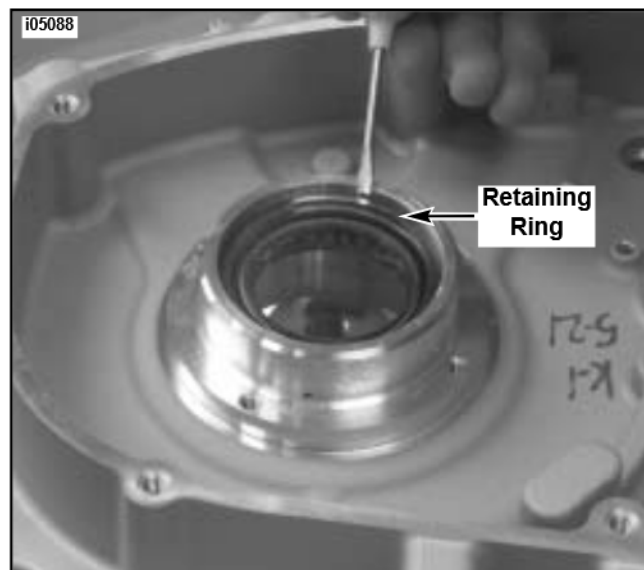
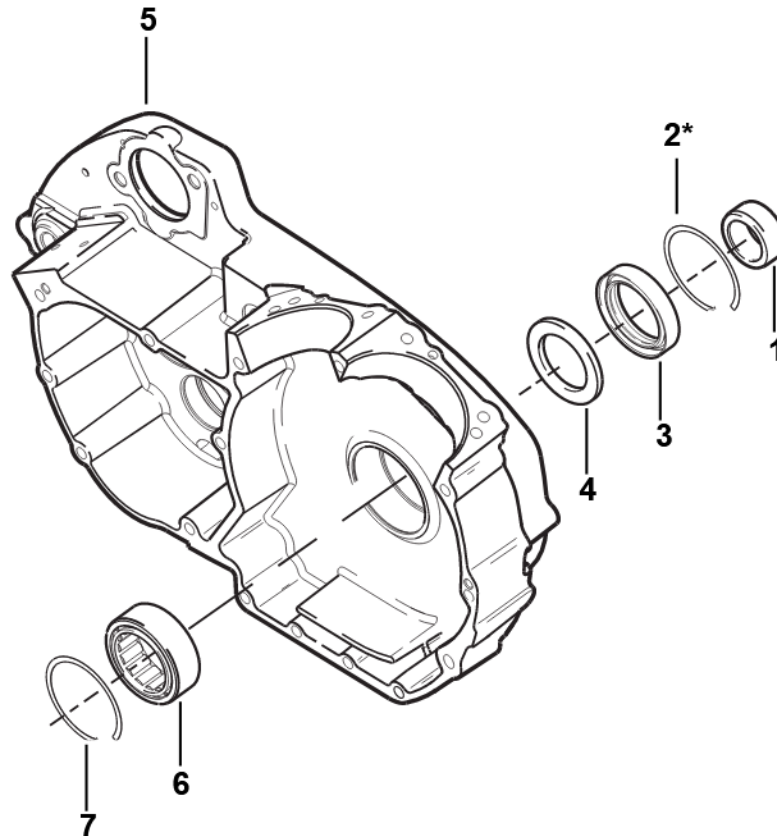


Figure 2. Remove Existing Oil Seal Retaining Ring

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NOTE
Illustration depicts Retaining
Ring* Installation (Location)



Item	Description	Part Number	Item	Description	Part Number
1	Spacer, sprocket shaft	40254-02	5	Crankcase, left half w/bushings and bearings	24439-02
2*	Ring, oil seal retaining	35114-02	6	Assembly, roller bearing	24604-00B
3	Seal, oil	12068	7	Ring, retaining	35114-02
4	Washer, thrust	8973			