# INSTRUCTION SHEET B

-J01655 2006-11-06

# 1991-2006 XL/BUELL CAM KIT

#### **GENERAL**

#### Kit Number

25193-00B, 25194-00B, 25195-00YB, 25196-00YB, 25193-06

#### Models

These kits fit 1991-2006 XL/Buell model motorcycles.

# **A WARNING**

Rider and passenger safety depend upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333b)

#### NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Buell Dealer.

#### NOTICE

Do not install this cam set in 1990 and earlier Sportster/Buell engines. This cam set will cause engine damage if installed in pre-1991 engines. (00515b)

# **NOTICE**

When installing new gears in 1991-Later XL/Buell engines, be sure to replace the high contact ratio gears as a set. Failure to do so will result in engine damage. (00516b)

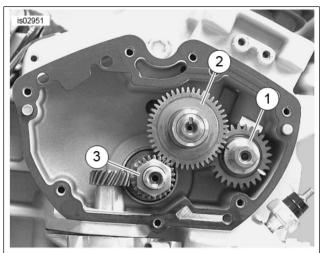
#### NOTE

Cam lobes are stamped with a letter "D", "W", or "B" followed by a number (1,2,3 or 4). The first letter indicates cam profile application; the number following identifies the cam location/function. See your Service Manual for more details.

#### Kit Contents

See Table 1.

### INSTALLATION



- 1. Exhaust cam gear (1W)
- 2. Intake cam gear (2W)
- 3. Pinion gear

Figure 1. Cam and Pinion Gear Timing Mark Indexing

Refer to your Service Manual for procedures to perform this installation.

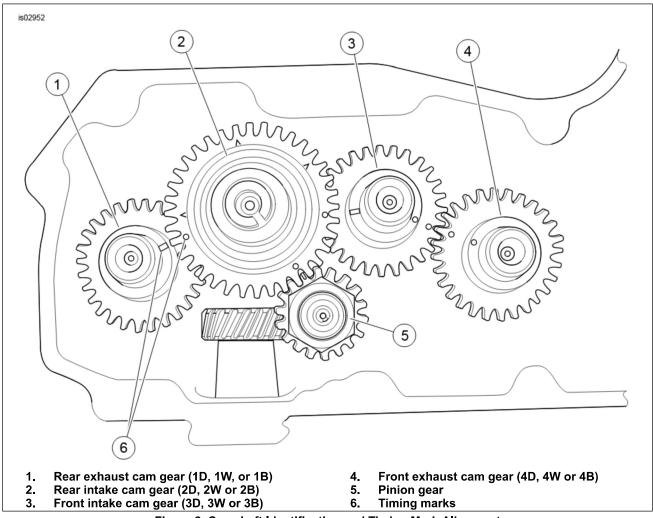


Figure 2. Camshaft Identification and Timing Mark Alignment

# **SERVICE PARTS**

# **Table 1. Service Parts Table**

Item	Description (Quantity)	Part Number
	a court primer.	24047-00
2	Camshaft assembly, rear intake *	Not Sold Separately
		Not Sold Separately
4	Camshaft assembly, rear exhaust *	Not Sold Separately
5	Camshaft assembly, front exhaust	Not Sold Separately
NOTE: Asterisk denotes items found in Kit 25196-00YB		