This kit fits:
- 2006 and later Dyna
- 2007 and later Touring
- 2007 and later Softail

Additional Parts Required
- A new primary cover gasket must be ordered separately for the proper installation of this kit.
- Oil Deflector Installation Kit (OEM# 11100088). Available to dealers only.
- Stator (OEM# 30017-07): 2006 Dyna

Tools and Supplies Required
Caulk Gun Conversion Kit (OEM# 11100075).
Primary Drive Locking Tool:
- 2007-Later Touring models 16-0327
- 2006-Later Dyna and 2007-later Softail models 16-1357

WARNING
The rider’s safety depends 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.

NOTE
This instruction sheet references service manual information. A service manual for your year and model motorcycle is required for this installation and is available from a dealer.

Kit Contents
See Figure 7 and Table 1.

REMOVAL
WARNING
To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative (-) cable first) before proceeding.

1. Remove the seat and disconnect the battery cables, negative cable first, as outlined in the service manual. Retain all seat mounting hardware.
2. Remove the drive components as outlined in the service manual.

INSTALLATION
Before beginning, read and understand the MSDS for the adhesive used in the Oil Rib Installation Kit. Use only as instructed. Use appropriate safety equipment and gloves. Properly dispose of used application tip and replace cap.

1. See Figure 1. Assemble adhesive cartridge and Caulk Gun Conversion Kit (OEM# 11100075) into caulk gun (not provided).
2. Clean primary cover with PJ-1 or equivalent. Wipe the deflector installation area with rubbing alcohol to remove residue. Allow to dry completely.
3. Test fit the appropriate oil deflector to the cleaned primary cover:
   a. OEM# 62700063 for Touring Models
   b. OEM# 62700064 for Softail or Dyna Models

   NOTE
   Before applying adhesive to part, purge the epoxy from the tube until it comes out a uniform grey.

4. See Figure 2. Place oil deflector (cover side up) on a clean protected surface. Apply adhesive:
   a. Apply adhesive to the perimeter of the part.
   b. Create an “X” pattern across the part.
   c. Apply adhesive to the sides that contact the primary cover.

5. See Figure 3. Carefully position deflector in primary cover and press firmly into place. Slide deflector into position. DO NOT lift.
6. Install retention clip over oil deflector rib and the adjacent aluminum rib as shown.
7. See Figure 4. Protect the outside surface of the primary cover to avoid damage. Secure the oil deflector in place using a C-clamp. Allow approximately 30 minutes before handling.


9. See Figure 7. Apply a thin layer of primary chaincase oil to the sliding cam (5) splines and the outer splines of shaft extension (4). Install shaft extension with the flat side against alternator rotor.

10. The outer diameters of the springs must contact each other as shown in Figure 5.

11. Install the sliding cam (5) with the flat face contacting the small disc spring. Lubricate the sliding cam ramps with primary chaincase oil.

**NOTE:** The compensating sprocket (6) is installed with the text “this side out” facing outward.

Clutch hub mainshaft nut has left-hand threads. Turn counterclockwise to install.

The primary chain, compensating sprocket and clutch assembly must be installed as an assembly.

12. Place the drive components (primary chain, compensating sprocket and clutch assembly) into position. A slight rotation of the chain drive aids installation onto the splines.


**NOTE:** When installing screw (10), make sure that the disc springs are properly aligned and that the spring nearest the rotor assembly has not slipped between the extension and rotor hub.

14. Lightly lubricate thrust bearing (8) with a thin layer of primary chaincase oil. Install thrust washer (7), bearing (8), thrust washer (7), retainer (9) and screw (10). Hand-tighten.

15. See Figure 6. Place the PRIMARY DRIVE LOCKING TOOL between the teeth of the engine and clutch sprockets as shown.

**NOTE:** The compensating sprocket screw is a T70 drive. Use T70 SOCKET BIT VT No. 16-1669.

16. See Figure 7. Tighten compensating sprocket screw (10) to 135.6 N·m (100 ft-lbs).

**NOTE:** Make sure shims (14) do not fall between shaft extension and alternator rotor when loosening screw.

17. Loosen screw one half turn (180 degrees).

18. Final tighten to 237.3 N·m (175 ft-lbs).

19. FXCW/C (Rocker), FXSTSSE3 (Screamin’ Eagle Softail Springer), FXSBSE (Screamin’ Eagle Softail Breakout) and FXSB/FXSB103 (Breakout) models: Install oil spinner (15) on sprocket retainer (9).

20. Rotate the compensating sprocket (6) to make sure that there is a light pressure on the sprocket from the springs. No clearance should be felt. A slight rotation should be possible by hand with the transmission in neutral.

21. Complete the assembly per instructions in the service manual:
   a. Assemble the remaining drive components.
   b. Adjust the clutch.
   c. Install the primary chain tensioner.
   d. Install the primary chaincase cover with a new gasket (sold separately).
   e. Fill the primary chaincase with lubricant.

**RETURN TO SERVICE**

22. Verify that the ignition/key switch is turned to the OFF position.

23. Apply a light coat of electrical contact lubricant, petroleum jelly or corrosion retardant material to the battery terminals. Connect the battery cables (positive cable first) as outlined in the service manual.

**WARNING**

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury.

**WARNING**

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury.

24. Install the seat as outlined in the service manual.
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<thead>
<tr>
<th>Item</th>
<th>Description (Quantity)</th>
<th>Part Number</th>
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<tr>
<td>*</td>
<td>Spring Pack (includes items 1 through 3)</td>
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<tr>
<td>1</td>
<td>Large disc spring (2)</td>
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<td>2</td>
<td>Medium disc spring (2)</td>
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<td>Small disc spring</td>
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<td>4</td>
<td>Shaft extension</td>
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<tr>
<td>5</td>
<td>Sliding cam</td>
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</tr>
<tr>
<td>6</td>
<td>Compensating sprocket</td>
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<td>*</td>
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<tr>
<td>7</td>
<td>-- Thrust washer (2)</td>
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<tr>
<td>8</td>
<td>-- Thrust bearing</td>
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<td>9</td>
<td>Sprocket retainer</td>
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<td>Screw</td>
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<td>11</td>
<td>Retainer clip</td>
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<td>13</td>
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<tr>
<td>14</td>
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<tr>
<td>15</td>
<td>Alternator rotor assembly, as required</td>
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Figure 7. Service Parts: Screamin' Eagle Big Twin Compensator Kit

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