

SERVICE BULLETIN



M-1252A

October 12, 2009

2006-2009 WARRANTY 6-SPEED TRANSMISSION REPLACEMENT

Purpose of Revision

This bulletin adds the requirement that all requests for gear packs must be approved by Technical Service.

Purpose

To inform dealers about the options available to resolve 6-speed Cruise Drive™ transmission warranty issues. Rather than order a complete transmission replacement, now warranty issues will be handled with one or a combination of the following:

- Mainshaft assembly
- Gear pack assembly
- Transmission case subassembly

Motorcycles Affected

All 2006-2009 Harley-Davidson Twin Cam models equipped with the 6-speed Cruise Drive™ transmission.

Mainshaft Replacement

For warranty issues that require a **new** mainshaft, a mainshaft kit will be sent. Refer to Table 1.

See Figure 1. The mainshaft replacement kit will consist of the mainshaft assembly, guide hub, retaining ring and inner bearing race. All of the parts are model year 2010 and replace earlier model mainshafts as a complete kit.

Mainshaft replacement will require that the gear pack be removed from the transmission case and the mainshaft pressed out of the side bearing door.

NOTE

When installing the guide hub onto the mainshaft make sure that the 0.094 in (2.39 mm) counter bore is toward 4th gear.

The mainshaft kit is pressed into the side bearing door. See the service manual.

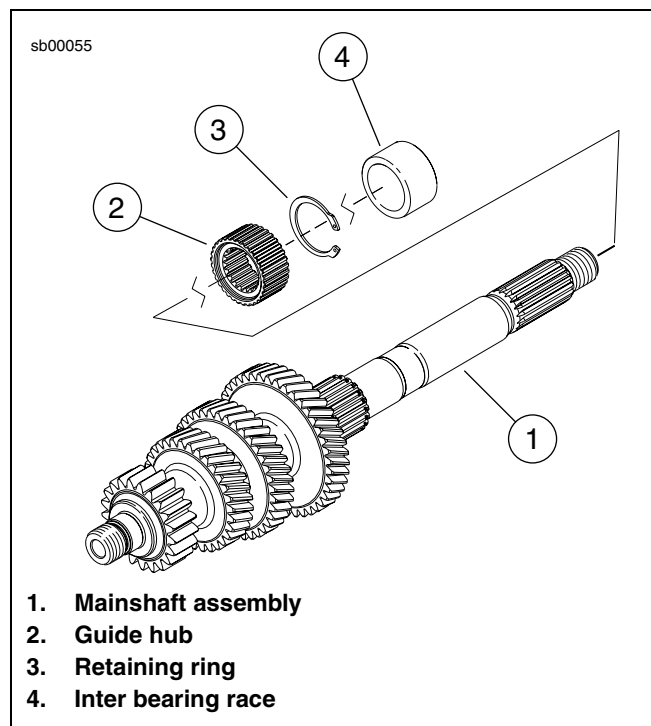


Figure 1. Mainshaft Assembly Kit

Gear Pack Replacement

For warranty issues that require replacement of gears on both the mainshaft and the countershaft, a gear pack will be sent. It is not necessary to remove the transmission case from the engine or chassis to replace a gear pack. Refer to Table 2.

See Figure 2. The gear pack will be shipped with all the parts attached to the side bearing door including the shift drum, shifter fork shafts and forks.

NOTE

*A **new** inner primary race (Part No. 34091-08) must also be installed.*

Gear pack replacement will require that the clutch cable and release cover be removed and reused. See the service manual.

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 TECH- NICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	RETURN THIS TO
INITIAL HERE									

©2009 H-D

sb00036

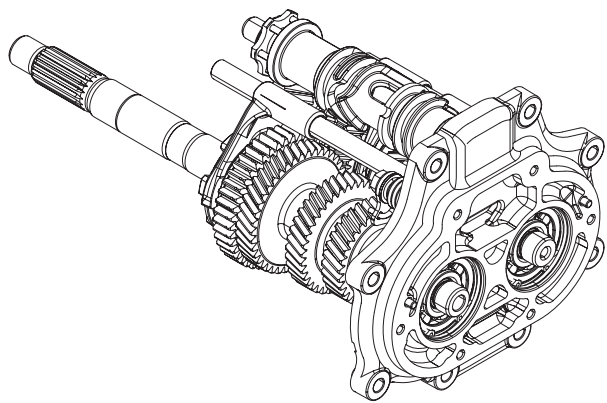


Figure 2. Gear Pack Assembly

Case Replacement

For warranty issues that require a **new** case, a case subassembly will be sent. Refer to Table 3.

See Figure 3. The case replacement will come with all bearings, the final drive gear, the pulley, nut and lockplate installed. The drive pulley nut is torqued to specification on the replacement cases.

Case replacement will require that the following parts be removed and reused:

- Clutch cable
- Clutch release cover
- Top cover
- Gear pack, shift drum, shafts and forks
- Shifter mechanism
- Bracket
- Neutral indicator sensor
- VSS
- Engine and transmission dipsticks
- Oil pan

See the service manual.

sb00037

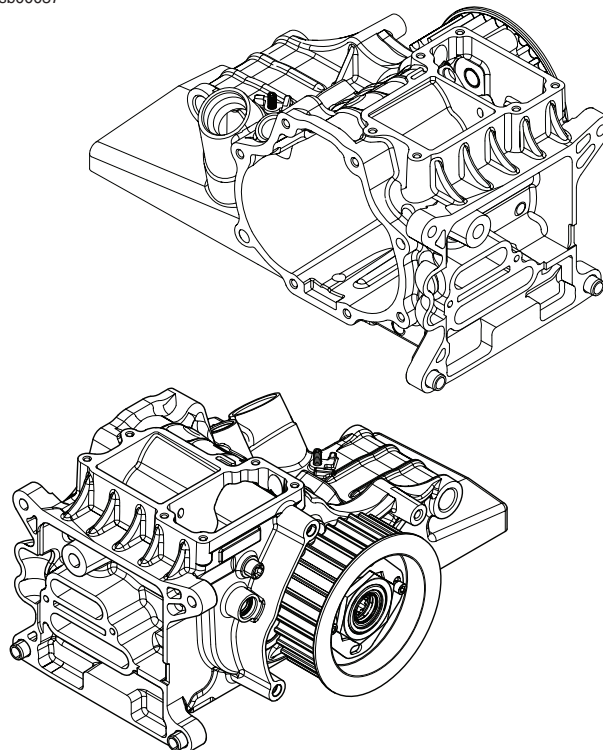


Figure 3. Transmission Case (Touring Shown)

Transmission Replacement

For warranty issues that involve the complete transmission, a **new** gear pack and replacement transmission case subassembly will be shipped. All requests for gear packs must be approved by Technical Service. Call Technical Service to order and for authorization.

The combination of gear pack and transmission case replacement kits will be assembled and installed in the motorcycle.

Replacement transmissions will require that the following parts be removed and reused:

- Clutch cable
- Clutch release cover
- Top cover
- Shift drum, shafts and forks
- Shifter mechanism
- Bracket
- Neutral indicator sensor
- VSS
- Engine and transmission dipsticks
- Oil pan

NOTE

A **new** inner primary race (Part No. 34091-08) must also be installed.

See the service manual.

Table 1. Mainshaft Replacement Kit Part Numbers

MODEL	ALL FINISHES
2006 Dyna and all 2007-2009 Twin Cam models	35467-06B

Table 2. Gear Pack Replacement Part Numbers

MODEL	BLACK	SILVER	GRANITE
2006 Dyna and all 2007-2009 Twin Cam models*	35246-08A	35247-08A	35255-08A
*Installation requires the inner primary bearing race (Part No. 34091-08).			

Table 3. Case Replacement Part Numbers

MODEL	BLACK.	SILVER	GRANITE	FXSTSSE and FXCW/C		
				BLACK	SILVER	GRANITE
Dyna*	34841-08	34782-08	34852-08	-	-	-
Softail	34799-07	34801-07	34857-08	34854-08	34855-08	34888-09
Touring	34719-07B	34805-07	34853-08	-	-	-
Tri Glide	83978-09	-	-	-	-	-
*2006 Dyna Models require a spacer (Part No. 11840) and a bolt (Part No. 2887WA) to mount the muffler bracket.						