

SERVICE BULLETIN



M-1042

April 19, 1994

REPLACING PINION BEARING RETAINING RING P/N 11177 (PRODUCT PROGRAM NO. 1)

Purpose

The purpose of this Service Bulletin is to inform you of the need to inspect and replace the pinion bearing retaining ring on (180) 1340 cc engines. These engines are equipped with new single roller pinion bearings, which require a retaining ring with a larger outside diameter. The P/N of this new retaining ring is: **11177A**.

Vehicles Involved

The attached Vehicle Identification Number (VIN) list identifies the motorcycles having the engines that must be inspected. The VIN list includes both "Shipped To" and "Registered To" information.

Required Dealer Action

(1) CHECK VIN LIST

Check VIN list for motorcycles that were shipped to or sold by your dealership. If your dealer number is not listed, return all Part No. 11177 retaining rings only. (See "RETAINING RINGS, PART NO. 11177" in next column for details.) If your dealership has in stock or has sold any of the motorcycles on the VIN list perform all actions required by this Bulletin.

(2) ORDER PART NO. 11177A RETAINING RINGS

Order enough Part No. 11177A retaining rings as necessary to repair all motorcycles for which you are responsible as shown on the VIN list.

(3) CONTACT CUSTOMER

If motorcycle(s) has been delivered to customer, contact the customer and ask him to bring the vehicle in for this service.

(4) UNDELIVERED MOTORCYCLES

Replace the retaining ring following this procedure before delivering motorcycle to the customer.

1. Remove gearcase cover, gear shaft nut, pinion gear, and oil pump pinion shaft gear following Service Manual procedures.

2. Remove the pinion bearing retaining ring and check if the bearing rollers had been contacting the retaining ring.

NOTE

If the retaining ring has been contacted (grooved) by the bearing rollers contact the Harley-Davidson Service Department for further instructions. If the retaining ring does not show evidence of roller contact, proceed to step 3.

3. Install a new retaining ring, Part No. 11177A. This ring has a larger outside diameter that will contact the bearing cage.
4. Refer to the **Credit Procedure** for details regarding reimbursement for labor and/or parts.

Parts In Dealer Stock

RETAINING RINGS, PART NO. 11177

Check your stock and return all Part No. 11177 retaining rings to Harley-Davidson with a properly completed Warranty Claim form. Reorder the new Part No. 11177A retaining rings to stock your inventory requirements.

PINION BEARINGS

The old style two-row bearings will be obsoleted and replaced by the single roller pinion bearings. Table 1 shows the old style bearing Part No. and the corresponding new Part No.

OLD (Two row)	NEW (Single row)	SIZE (Color code)
24628-87	24628-87A	Green
24626-87	24626-87A	White-gray
24643-87	24643-87A	Blue
24641-87	24641-87A	Red

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	LEAD TECHNICIAN	TECHNICIAN NO.1	TECHNICIAN NO. 2	TECHNICIAN NO. 3	TECHNICIAN NO. 4	RETURN THIS TO
INITIAL HERE									

NOTE

*Any two-row bearings in Dealer stock may be used and the 11177A retaining ring may be used to secure the bearings. **The 11177A retaining ring may also be used to secure the gear shaft bearing on XLH models.***

⚠CAUTION

Do not install new single roller bearing with the old, Part No. 11177, retaining ring. The new, Part No. 11177A, retaining ring may be used with either the old style two-row bearings or the new single roller pinion bearings.

Credit Procedure-Vehicle

After servicing each vehicle, complete a regular Warranty Claim Form referencing Service Bulletin M-1042 in the "Description of Repair" section of the form. In addition fill in the claim as follows:

CLAIM TYPE - PP1

QTY. - 1

EVENT 1 PROB. PART NO. 11177

PART DESCRIPTION - Retaining ring

PRIMARY LABOR CODE - 3358

TIME - 2.6

CUSTOMER CONCERN - 3000

CONDITION CODE - 3102

Upon receipt of a properly completed claim form, you will receive credit for labor code 3358, 2.6 hours labor, and your applicable cost for the retaining ring.