

SERVICE BULLETIN

M-854

SAFETY RECALL CODE 056

May 7, 1982



REAR BRAKE — 1982 FXR AND XL MODELS

General

Routine quality testing conducted recently indicates that the hydraulic brake system might be capable of generating excessive pressure which potentially could exceed the burst strength of the rear brake caliper under an extremely unique set of circumstances. It must be noted, however, that this potential is an extreme condition which has been achieved only when hydraulic pressure in the rear brake is forced to a level equivalent to approximately 3-4 times the pressure required to lock-up the rear wheel.

Although we have not experienced a single field problem to date, Harley-Davidson Motor Co., Inc. has still decided to declare this a safety recall to allow us to formally recall all potentially affected 1982 FXR and XL models shipped prior to April 21, 1982, for servicing. The following VIN ranges cover the potentially affected vehicles.

VIN RANGE

CAH (XLH) 110000 THRU 124560
CAH (XLH) 200001 THRU 200767

CBH (XLS) 110001 THRU 124641
CBH (XLS) 200001 THRU 200591

EAK (FXR) 110002 THRU 123722
EBK (FXRS) 110021 THRU 124701

ONLY MOTORCYCLES WITHIN THE ABOVE VIN RANGE SHIPPED PRIOR TO APRIL 21, 1982 ARE INVOLVED IN THE RECALL.

We are including a list of registered and unregistered motorcycles delivered to your dealership. Only those vehicles, as indicated on the list, are involved in this recall campaign. If a reconditioned vehicle was shipped to you and does not appear on the list, or a touring rider inquires to you about his/her vehicle, contact the Service Department, at extension 4350, to determine if the motorcycle is involved in this recall. It is your responsibility

to perform the required service on all potentially affected vehicles including those which may not show up on your list. We are enclosing sufficient blank Dealer Service Cards for these vehicles. Additional cards are available through the Harley-Davidson Service Department.

All registered owners of record are being notified by mail to contact you and arrange to have this service performed at no charge to them (see enclosed letter). Each owner letter will include an 056 Dealer Service Card which must be completed, dated and signed by both the customer and the dealer.

Your total requirements of 056 Rear Brake Plunger Kit, Part No. 93420 will be shipped to you no charge, freight prepaid. Each Kit contains one replacement brake plunger and lock ring. See Figure 1.

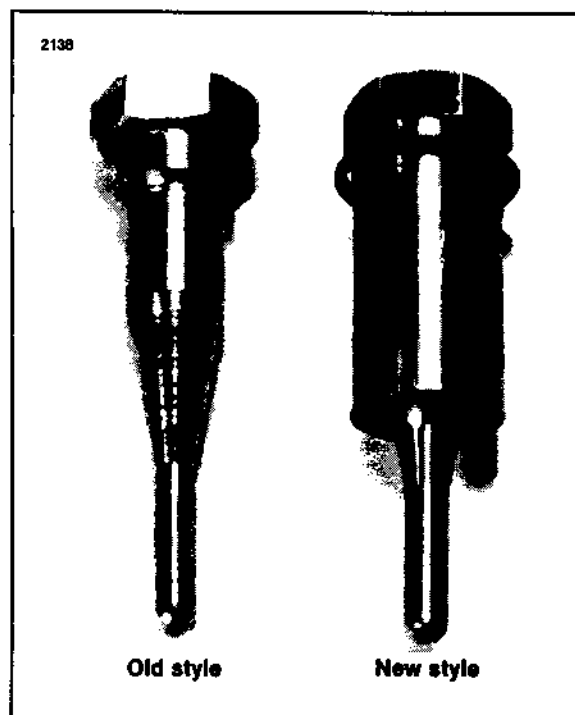


Figure 1. Rear Brake Plunger

| ROUTING: | SERVICE MANAGER | SALES MANAGER | PARTS MANAGER | CHIEF MECHANIC | MECHANIC NO. 1 | MECHANIC NO. 2 | MECHANIC NO. 3 | MECHANIC NO. 4 | RETURN THIS TO: |
|-----------------|--------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| INITIAL HERE | | | | | | | | | |

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WARNING

Because only registered owners, as shown on the enclosed list, will receive notification from us, we request that you contact any owners of vehicles still listed as unregistered. Advise them of the safety recall and make arrangements for them to come in for service. We also require that you provide us with their names, addresses and VIN's as soon as possible to enable us to mail them an owner's letter as required by the National Traffic and Motor Vehicle Safety Act, as amended.

If you are not sure that a safety recall has been completed on a particular motorcycle, contact the Harley-Davidson Service Department for a computer check of our recall records.

REAR BRAKE SERVICE PROCEDURE

XL Models

1. See Figure 2. Remove the bolt, nut and footrest. Remove the retaining ring from the pivot shaft.
2. See Figure 3. Remove the rear brake master cylinder mounting hardware. Remove the brake pedal/plunger assembly, boot (4), cupped washers (5, 5a) and spring (6). Discard cupped washer (5a).
3. Loosen locknut and unscrew the old style plunger from the rod end and replace it with the new style plunger from kit, Part No. 93420. Make sure lock ring from kit is installed on the plunger. Secure the locknut (2) against the plunger.

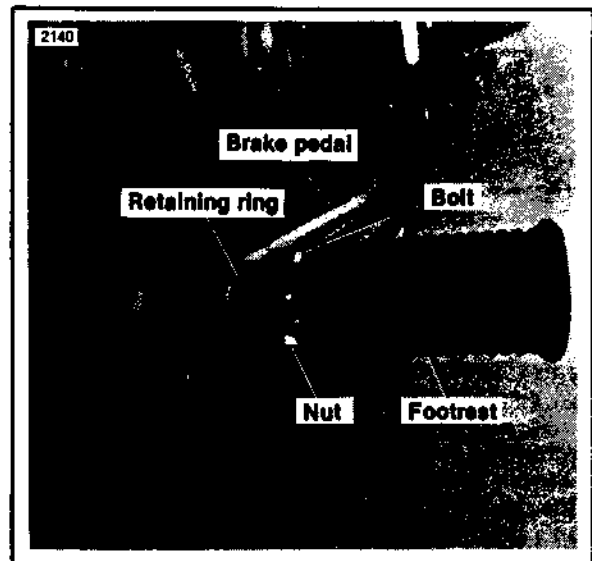


Figure 2. Rear Brake Control — XL Models

4. Assemble the boot (4), spring (6) and cupped washer (5) onto the new plunger. Install the brake pedal assembly onto the motorcycle and position the plunger into the master cylinder so that it registers in the piston. Install the master cylinder mounting hardware. Tighten bolts to 155-190 in-lbs torque. Make sure drain hole in boot is positioned towards the bottom.
5. See Figure 2. Install the retaining ring, footrest, bolt and nut.

NOTE

After installation is complete, check to make sure plunger is properly seated in master cylinder piston.

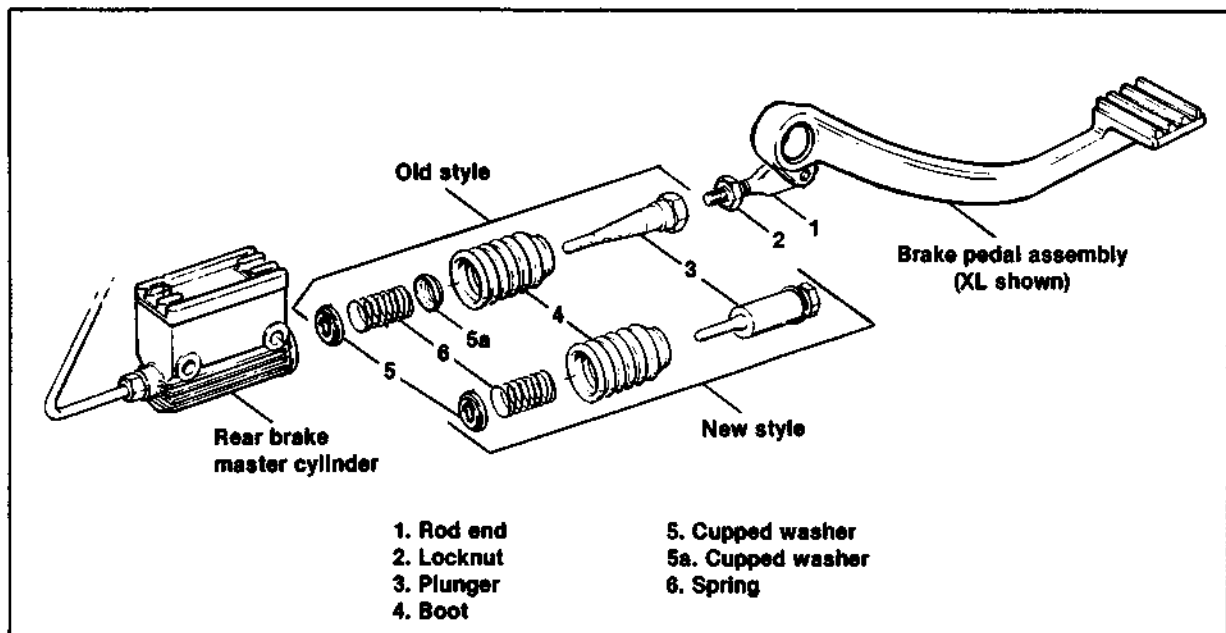


Figure 3. Rear Brake Control — Exploded View

6. Make sure boot is positioned over snap ring after assembly is complete.
7. Check the rear brake pedal adjustment to ensure proper free play between plunger and piston. Adjust as necessary using the procedures in the latest applicable service manual.

FXR Models

1. See Figure 4. Remove the rear brake master cylinder mounting hardware.
2. See Figure 3. Remove the boot (4), cupped washers (5, 5a) and spring (6). Discard washer (5a).
3. Loosen locknut and unscrew the old style plunger (3) from the rod end and replace it with new style plunger, Part No. 93420. Make sure lock ring from kit is installed on plunger. Secure the locknut against the plunger.
4. See Figure 3. Reinstall the boot(4), spring (6) and cupped washer (5) on the new plunger. Make sure drain hole in boot is positioned towards the bottom.
5. Position the plunger into the master cylinder so that it registers in the piston. Install the master cylinder mounting hardware. Tighten bolts to 155-190 in-lbs torque.

NOTE

After installation is complete, check to make sure plunger is properly seated in master cylinder piston.

6. Make sure boot is positioned over snap ring after assembly is complete.
7. Check the rear brake pedal adjustment to ensure proper free play between plunger and piston. Adjust as necessary using the procedures in the latest applicable service manual.



Figure 4. Rear Brake Control — FXR Models

CREDIT PROCEDURE

1. After servicing each vehicle, be sure to completely fill out the special Dealer Service Card provided. For each vehicle serviced, place a 'C' in the letter box and a '1' in the Quantity box. Fill in your Dealer Account Number, the Service Code (056), the Vehicle Identification Number (VIN), and your dealership name and address along with the owner information, if blank.
2. Package the old style plunger with the properly completed Dealer Service Card.
3. Attach a return address P-label, Form Number 1248 to the outside of the package.
4. Upon receipt of each replaced plunger and properly completed Dealer Service Card, you will be credited for postage, along with .2 hours for each completion. The time allowance is the same for all models involved.

NOTE

Return all old style plungers from your stock using a regular warranty claim form.