

**REAR BRAKE CALIPER / FL, FLH, FX, FXE**

Rear brake fluid leakage may develop on certain 1973 and early 1974 FLH, FL, FX and FXE motorcycles which were assembled with substandard rear caliper piston O-ring seals.

Leakage could result from severe operation (prolonged and continuous braking from high speeds) which produces high temperatures causing the seal material to take a permanent set allowing fluid leakage past the piston.

If leakage goes unnoticed, or is ignored, the rear brake system will eventually run out of fluid. In this case the operator will first notice a low pedal which cannot be pumped up as the fluid supply becomes depleted, and eventually the rear brake will no longer function.

Although the front brake will not be affected, loss of the rear brake alone could cause an accident with possible personal injury.

In compliance with the National Motor Vehicle Safety Act, this has been declared a safety defect, and the following affected vehicles will require rear brake caliper replacement as specified in this bulletin.

FL/FLH/FX/FXE from VIN 1A, 2A, 2C, 9D 66816 to 71942 H3

FL/FLH/FX/FXE from VIN 1A, 2A, 2C, 9D 10000 to 24310 H4

Note: Certain of the above 1974 (H4) vehicles, with an inspection date code stamped on the outside upper surface of the outer caliper half, contain correct O-rings and do not require replacement. This date code consists of the numbers 74-XX (indicating year, month and day of manufacture) in addition to the R (rear) stamped letter.

Caliper assembly replacement procedure is given at the end of this bulletin.

A list of registered owners and a list of unregistered vehicles involved in this campaign which have been delivered to your dealership are included with this bulletin. It is your responsibility to make directed changes on all affected vehicles, and to contact owners of affected vehicles which you have sold but which are not shown on enclosed lists. We are notifying owners of affected motorcycles in your dealership to contact you for this service.

We are enclosing a copy of the customer letter and referral card for your information. Each letter to the owner will include Special Service Card 024 which must be completed and signed by both the customer and you, the dealer, to verify that service has been satisfactorily completed. A sample service card and extra cards for undelivered vehicles are enclosed.

To take care of your immediate requirements we are shipping three Rear Brake Caliper Kits, part No. 93122. You should determine additional requirements and order them on the special parts order form enclosed. The dealer net price of these kits will be charged

in the regular way. **IMPORTANT!** Parts for this campaign can only be ordered on the enclosed special form.

Replacement of the customers entire rear caliper assembly (except pads) is recommended. All necessary parts are included in the caliper assemblies shipped to you.

Replacement of pads is considered a normal maintenance item and usually will not be necessary, however if the customer so desires, new pads can be installed and customer charged for parts. (See customer letter with this bulletin).

Immediately after service is performed, return removed caliper assembly (LESS PADS) with completed service card 024. You will receive credit for the dealer net price of Kit (LESS PADS) and an additional \$1.75 for labor for each assembly and Service Card returned to the factory.

If new pads from Kit are not used on customers motorcycles, they can be used for your parts stock, or if desired, can be accumulated and returned to the factory for credit as new parts using Form 99521-67. We are including 3 special return goods address labels for use on return parts. These special address labels must be used to assure correct handling at the factory to receive proper credit for your shipping costs. Additional labels required can be obtained by writing the Service Department.

### INSTRUCTIONS

**Important!** It is not necessary to replace any rear brake calipers identified by date code on top of outer caliper half casting because these calipers contain O-rings which are O.K.

Rear Brake Caliper Kit, part No. 93122 includes the following:

1. Outer caliper half assembly
2. Inner caliper half assembly
3. Pad (2)
4. Brake Pad Pin (2)
5. Caliper mounting pin
6. Bolts and washers (4)

Remove brake caliper assembly per page 2-39B in the 1974 Service Manual and outlined as follows:

Remove 4 bolts and washers and remove outer caliper half from mounting bracket pin. Remove brake pads, mounting pins and inner caliper half.

Use a wrench to loosen brake hose fitting from outer caliper half. Unscrew fitting (with hose attached) by rotating caliper half.

Install hose fitting into new outer caliper half by reversing procedure.

Reassemble remaining new caliper parts on motorcycle taking care to align pad pins into holes in caliper halves.

After reassembly, bleed system according to service manual procedure. Use a pressure bleeder if available. Use only D.O.T. heavy duty brake fluid.

Check for correct rear brake operation.

IMPORTANT

Return used caliper assemblies (LESS PADS) with completed Service Card to the factory promptly. Be sure to use special return goods red, white and blue address label. They will be rebuilt for the caliper exchange program. All rebuilt outer calipers will be stamped with the identifying letter "X" in addition to "R" (rear) stamp.

HARLEY-DAVIDSON MOTOR CO. INC.