

SERVICE BULLETIN



M-1130

Safety Recall Code 0107

February 12, 2003

RECALL CODE 0107 - 2002 FXDWG³ REAR BRAKE LINE

Purpose

As recently advised in ML-379, Harley-Davidson has learned that there is a safety defect related to the braided rear brake line on 2002 FXDWG³ Wide Glide motorcycles. The rear brake line can fracture internally causing loss of rear brake fluid. The loss of rear brake fluid can cause the loss of rear brake function, possibly without warning, and could cause an accident.

In the interest of motor vehicle safety and customer satisfaction, Harley-Davidson has elected to initiate a voluntary recall (Campaign 0107) to replace the rear brake line. See REQUIRED DEALER ACTION to perform the recall service.

Motorcycles Affected

This recall applies to all 2002 FXDWG³ Wide Glide motorcycles assembled/shipped from the York, Pennsylvania assembly plant between March 13, 2001 and June 13, 2002.

Dealer Parts Inventory

Do not sell any brake lines you may have in your dealer inventory. Remove P/N 44843-01 from stock and file a warranty claim. See Credit Procedure-Dealer Inventory.

Customer Notification

Attached is a complete list of all motorcycles shipped to your dealership that are involved in this recall campaign. To ensure the safety of our riders, it is your responsibility to perform the required service on all affected motorcycles, even if the motorcycle was not purchased from your dealership. You also are required to perform the recall service on all affected motorcycles in your dealership inventory, prior to delivering or leasing those motorcycles.

If you are not sure that the safety recall service has been completed on a particular motorcycle, check the recall records available on TALON or h-dnet.com.

IMPORTANT NOTE

Because only registered owners as shown on the attached 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 recall 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).

Required Dealer Action

Safety Recall Code 0107 Kits (Part No. 94187) will be available beginning on or around February 14, 2003. The number of kits available is expected to fulfill demand, but quantities will be limited. We will send each dealer one kit. Then simply order any remaining kits needed as appointments for the service are scheduled.

Please refrain from ordering any additional needed kits until an appointment for the recall service has actually been scheduled. Then, FAX a copy of the attached order form to the Warranty Department at (414) 343-8346. BE SURE TO INCLUDE THE VIN OF THE AFFECTED MOTORCYCLE AND A VALID DEALER NUMBER to facilitate timely processing of the order.

Upon approval of the properly completed order form, the kit will be shipped no charge, transportation paid, via UPS1 (depending upon availability of parts). The contents of each kit is as follows:

Table 1. Safety Recall Code 0107 Kit

Item*	Part No.	Quantity
Rear Brake Line	44843-01A	1
Steel/Rubber Washers	41731-01	4

*Does not include brake fluid.

⚠ WARNING

A Service Manual is necessary for installation of this kit as the rider's safety depends upon correct installation. Improper installation could result in death or serious injury. When reviewing the sections referenced below, be sure to take note of all warnings and cautions.

CAUTION

Damaged banjo bolt surfaces will leak when reassembled. Prevent damage to seating surfaces by carefully removing brake line components.

1. See Figure 1. Remove two terminals (6) from rear stop light switch (7).
2. Remove the master cylinder banjo bolt (9) and both steel/rubber washers (1) to detach rear brake line (3) from master cylinder. Discard washers.
3. Remove fastener (5), clamp (4) and lockwasher securing rear brake line to rear fork.
4. Remove the banjo bolt (2) and both steel/rubber washers (1) to detach rear brake line from brake caliper. Discard washers.
5. Using a 1-1/16 in. open end wrench, remove stop light switch from T-fitting (8).

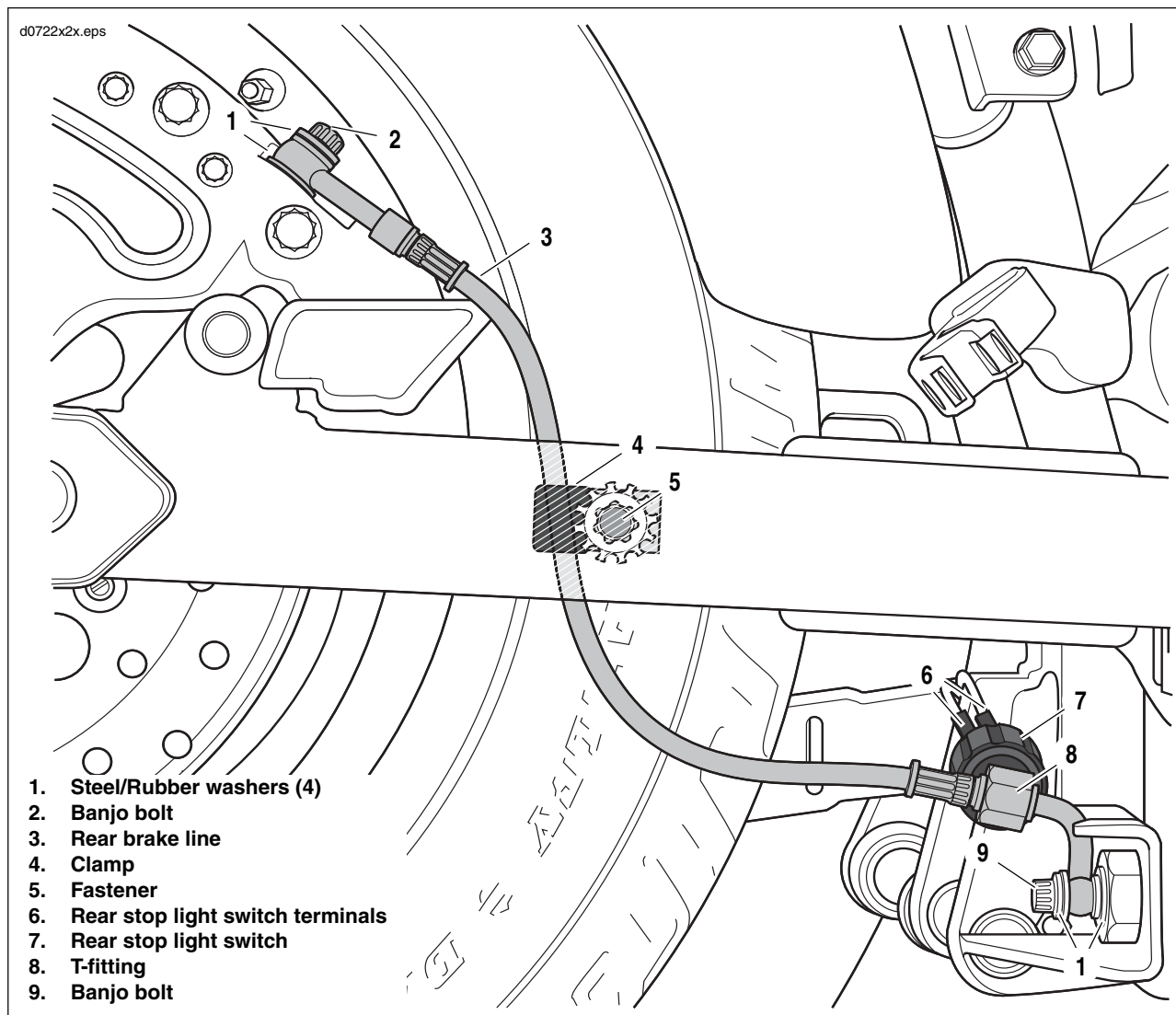


Figure 1. Rear Brake Line

6. Coat threads of stop light switch with Loctite Pipe Sealant with Teflon (PST).
7. Install rear stop light switch to T-fitting on **new** brake line.
8. Tighten switch to 96-120 **in-lbs** (10.8-13.6 Nm).

CAUTION

To avoid leakage, verify that the steel/rubber washers, banjo bolt, brake line fitting, caliper bore and master cylinder bore are completely clean.

9. Lubricate **new** steel/rubber washers with D.O.T. 5 SILICONE BRAKE FLUID.
10. Install **new** brake line to rear brake caliper using banjo bolt and **new** steel/rubber washers. Position brake line and tighten banjo bolt to 17-22 ft-lbs (23.0-29.8 Nm).
11. Install **new** brake line to rear master cylinder using banjo bolt and **new** steel/rubber washers. Position brake line and tighten banjo to 17-22 ft-lbs (23.0-29.8 Nm).

NOTE

*In next step, loop of clamp must face **rear** of motorcycle.*

12. Install clamp on brake line with loop of clamp facing **rear** of motorcycle.

NOTE

In next step, lockwasher must be in between clamp and rear fork.

13. Install fastener in clamp. Place lockwasher onto fastener. Tighten fastener to 25-45 **in-lbs** (2.8-5.0 Nm).
14. Connect two terminals to rear stop light switch.
15. Bleed brake system. See appropriate Service Manual.

WARNING

Whenever the brake line is reconnected, BEFORE moving motorcycle, you must pump brake fluid until the pistons push the pads against the brake disc. If you don't pump fluid pressure up again, the brakes will not be available to stop the motorcycle which could result in death or serious injury.

WARNING

Check for proper tail lamp/stop light operation before riding motorcycle. Visibility is a major concern for motorcyclists. Failure to have proper lamp operation could result in death or serious injury.

16. Check tail lamp/stop light for proper operation.

WARNING

After completing repairs or bleeding the system, always test motorcycle brakes at low speed. If brakes are not operating properly or braking efficiency is poor, testing at high speeds could result in death or serious injury.

17. Test brake system.
 - a. Turn ignition switch ON. Pump brake pedal to verify operation of the brake lamp.
 - b. Test ride the motorcycle. If the brakes feel spongy, bleed the system. See appropriate Service Manual.

Credit Procedure—Vehicles

Complete a Dealer Service Card for each motorcycle serviced. Write safety recall code "0107" on the card and place the letter "C" in the letter box.

Package the original rear brake line, along with the properly completed Dealer Service Card, and send to: Harley-Davidson Motor Company, Warranty Return Department., 3801 West Juneau Avenue, Milwaukee, WI 53208.

Upon receipt of the parts and a properly completed Dealer Service Card, you will be credited 0.6 hours of labor for performing the recall procedure, which includes 0.1 hours for dealer administration time, and an additional 0.1 hours to offset dealer costs for brake fluid. You also will be credited the cost of return postage.

Credit Procedure—Dealer Inventory

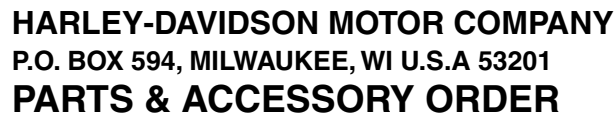
Remove all 44843-01 rear brake lines from your inventory. To receive credit, complete a warranty claim referencing Service Bulletin M-1130 in the description of repair section. Fill in the rest of the claim as follows.

Table 1. Claim Information—Kits in Stock

Claim Type	DFS
Quantity, Event 1	*
Event 1, Problem Part No.	44843-01
Part Description	Rear brake line
Customer Concern Code	9205
Condition Code	9111

*Will vary depending on quantity in stock.

Upon receipt of the properly completed warranty claim, you will receive a bar coded warranty part return label. You will be required to return the parts in order to receive the appropriate credit for the brake lines. Upon receipt of the brake lines from your inventory, you will receive credit for the parts and return postage.



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CITY/STATE/ZIP _____

TYPE CODE	ORDER TYPE	VEHICLE IDENTIFICATION NUMBER
R	REGULAR	
P	POLICE	
D	DOWN VEHICLE	
W	WARRANTY	
RC	RECALL	

DEALER ORDER	
ORDER DATE	
DEALER NO.	
ORDER TYPE	RC
WARRANTY CLAIM NO.	

FOR OFFICE USE ONLY	
ACCT.	1744107
FRT. ACCT	1744107

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**PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE**

ALL ORDERS SUBJECT TO ACCEPTANCE AT MILWAUKEE, WI 53201

ALL GOODS COVERED BY THIS ORDER, INCLUDING GOODS BACK-ORDERED, WILL BE BILLED AT PRICES CURRENT AT THE TIME OF SHIPMENT. Goods are purchased for resale and delivery is made to purchaser's C.O.B. factory, Milwaukee, Wisconsin or other point of origin. This order as accepted shall be subject to availability of goods to seller for delivery to purchaser. Any delay in shipment shall not relieve purchaser of responsibility for his accepted order and seller shall not be liable for any loss or damage due to delay in shipment or failure to deliver. Any request for cancellation of this order or any part thereof must be received by seller prior to the date of shipment, and in case of reconsignment or return of goods to seller, purchaser shall pay the entire cost connected therewith, plus zero, ten or twenty-five percent of selling price, as determined by Company policy from time to time, as liquidated damages for loss of sale. Purchaser will be responsible for collection and payment of all Federal, State and local taxes that apply on the retail sales.

**PLEASE USE PART NUMBERS
DO NOT USE FOR
CORRESPONDENCE**

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