

# SERVICE BULLETIN



M-1082

Safety Recall Code 096

March 12, 1999

## SCREAMIN' EAGLE RACE BRACE SUPPORTS

### General

As recently advised in ML-364, Harley-Davidson has learned that the rear brake pedal could come into contact with some Screamin' Eagle Race Brace Supports, which could limit the travel of the rear brake pedal. This situation, under certain conditions, could cause a reduction in or loss of rear brake performance. Front brake performance is not affected.

Screamin' Eagle Race Brace Support accessory parts (Part No. 66693-98) installed on 1984 through 1994 and 1999 FXR model motorcycles (equipped with mid-vehicle rear brake controls) and parts (Part No. 66680-98) installed on 1991 through 1998 FXD model motorcycles (equipped with mid-vehicle rear brake controls) are affected.

Harley-Davidson has further learned that the instruction sheet for Screamin' Eagle Race Brace Supports (Part No. 66686-98 and Part No. 66704-98) lacks information regarding proper routing of the rear brake reservoir hose when installed on late 1987 through 1999 FXST model motorcycles with forward or custom brake controls. This improper routing could result in a pinched rear brake reservoir hose. This condition could cause rear brake drag. If ignored, this could lead to rear wheel lockup. Front brake performance is not affected.

### IMPORTANT NOTE

**The instruction sheet originally provided with the Screamin' Eagle Race Brace Supports (Part No. 66686-98 and Part No. 66704-98), and consequently ML-364, incorrectly stated that the kits could be installed on 1984 through 1999 FXST model motorcycles. We have learned that the above Screamin' Eagle Race Brace Supports can only be installed on late 1987 through 1999 FXST models. The rear brake master cylinder, Part No. 42470-82A, used on 1984 through early 1987 FXST models, has metal elbow fittings which prohibit installation of the Screamin' Eagle Race Brace Supports.**

Any of the above conditions could lead to an accident which could result in personal injury.

Harley-Davidson has voluntarily declared this a "defect related to motor vehicle safety" (Campaign 096) and is recalling all potentially affected Screamin' Eagle Race Brace Support Kits.

To ensure rider safety, do not SELL OR DELIVER any affected Screamin' Eagle Race Brace Support Kits to your customers. If you have sold or installed any of these kits, we urge you to contact the customers immediately to make them aware of this recall.

Because Harley-Davidson has no record of who may have purchased or received the affected kits at the retail level, it is your responsibility to notify each of your customers. Attached please find two copies of the owner notification letter to assist you with the notification process. Make additional copies if necessary. Since the recall involves parts and not a vehicle on record, neither your SPOC representative nor the Harley-Davidson Recall Information Line will be able to assist you.

### NOTE

*Consult the appropriate service manual for torque specifications, fluid requirements and other details.*

### FXR/FXD Removing Race Brace Supports (Part No. 66693-98, Part No. 66680-98)

1. After loosening rear exhaust pipe and muffler, completely remove front exhaust system.
2. Remove the footpeg/brake pedal assembly.
3. Remove three allen head socket screws at bottom of gear cover to release front of race brace support.
4. Place drain pan under transmission case.
5. Remove six allen head socket screws to release clutch release cover.
6. Pulling clutch release cover away from vehicle, remove three allen head socket screws to release rear of race brace support from transmission side door.
7. Replacing kit hardware with original equipment hardware from your own inventory, install three fasteners to secure gear cover to engine crankcase. Install three fasteners to secure transmission side door to transmission case.

### NOTE

*Be sure to use any and all hardware (such as screws, washers, P-clamps, exhaust brackets, spacers, etc.) needed to return the vehicle to its original configuration.*

8. Install six allen head socket screws to fasten clutch release cover to transmission side door.
9. Add transmission fluid to compensate for any loss during removal of the clutch release cover.
10. Install the footpeg/brake pedal assembly.
11. After installing front exhaust pipe and muffler, tighten rear exhaust system.

# NOTE

Consult the appropriate service manual for torque specifications, fluid requirements and other details.

## FXST Correctly Routing Rear Brake Master Cylinder Reservoir Hose (Part No. 66686-98, Part No. 66704-98)

# NOTE

Channel on inboard side of race brace support is for routing of the ignition sensor wires on older model vehicles (where the groove in the gear cover is absent) and **NOT** for routing of the rear brake master cylinder reservoir hose. If hose is routed on inboard side of brace, begin at step 1. If hose is outboard of brace, start at step 9.

1. After loosening rear exhaust pipe and muffler, completely remove front exhaust system.
2. Remove three allen head socket screws at bottom of gear cover to release front of race brace support.
3. Place drain pan under transmission case.
4. Remove six allen head socket screws to release clutch release cover.
5. Pulling clutch release cover away from vehicle, remove three allen head socket screws to release rear of race brace support from transmission side door.
6. Reinstall race brace support moving rear brake master cylinder reservoir hose to outboard side.
7. Install six allen head socket screws to fasten clutch release cover to transmission side door.
8. Add transmission fluid to compensate for any loss during removal of the clutch release cover.
9. Using a side cutters, cut hose clamps at each end of reservoir hose. Remove and discard hose clamps.

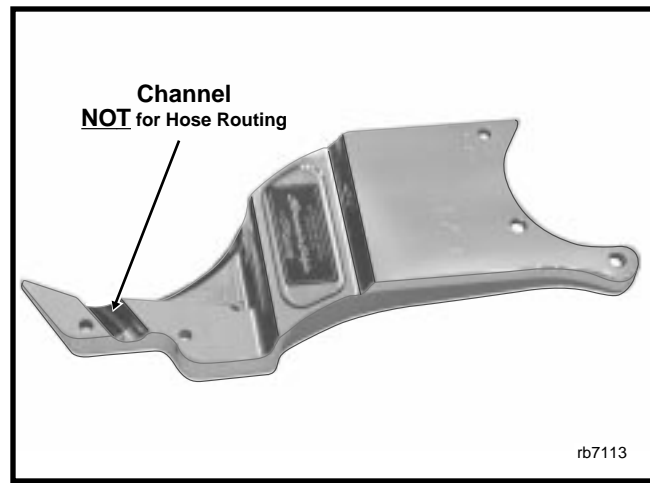


Figure 1. Race Brace Support (FXST)

10. Place drain pan under rear brake master cylinder reservoir and hose. Pull hose from fitting at top of master cylinder. Pull hose from fitting at bottom of reservoir.
11. Carefully inspect reservoir hose for scratches, cuts, chafing or other damage. If hose was routed on outboard side of race brace support, look for evidence of burning or melting. Use **new** hose (Part No. 63546-87) if any damage is noted.
12. Install hose onto fitting at top of master cylinder. To prevent kinking of hose at bottom of race brace support, hose must be flipped 180 degrees from its original position, so that end with long preformed bend is on the master cylinder side. See right frame of Figure 2.
13. Slide **new** hose clamp (Part No. 10038A) down free end of hose to area of master cylinder fitting. Crimp clamp.
14. Route free end of hose through cable strap that encircles right side of lower frame crossmember. If absent, loosely install new cable strap (Part No. 10006) to capture hose at this location.

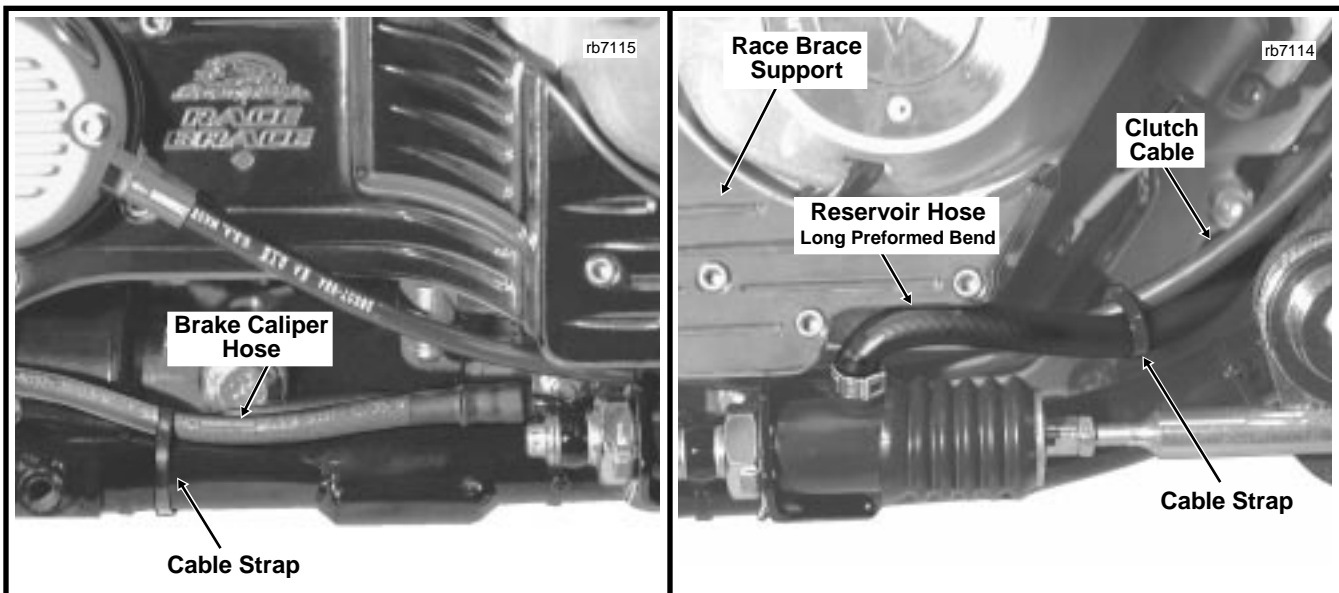


Figure 2. Proper Hose Routing/Cable Strap Locations (FXST)

15. Slide **new** hose clamp (Part No. 10038A) onto free end of reservoir hose (end with short preformed bend). Install hose onto fitting at bottom of reservoir and crimp clamp.
16. Install **new** cable strap (Part No. 10006) to secure reservoir hose to clutch cable. See right frame of Figure 2.
17. Install **new** cable strap (Part No. 10006) to secure brake caliper hose to lower frame tube. See left frame of Figure 2.
18. Add brake fluid to the master cylinder reservoir to compensate for any loss during hose replacement. Bleed the rear brake system.
19. After installing front exhaust pipe and muffler, if removed, tighten rear exhaust system.
20. Test ride the motorcycle. If the brake feels spongy, repeat the bleeding procedure.

## FXR/FXD Credit Procedures (Part No. 66693-98, Part No. 66680-98)

### NOTE

*Because this is a recall, no electronic claims can be accepted. A paper claim form (P/N 99520-76D) must be used.*

#### 1. Kits in Dealer Stock

Remove all affected Screamin' Eagle Race Brace Support Kits from dealer stock. To receive credit, complete a Warranty Claim Form referencing Service Bulletin M-1082 in the "Description of Repair" section. Fill in the rest of the claim form as follows:

CLAIM TYPE	HPI
QTY. EVENT 1	*
EVENT 1, PROBLEM PART NO.	66693-98
QTY. EVENT 2	*
EVENT 2, PROBLEM PART NO.	66680-98
PART DESCRIPTION	P&A Race Brace Support Kit
CUSTOMER CONCERN	0096
CONDITION CODE	3104
*Will vary depending upon quantity in stock. If both kits are in stock, list two separate events on the claim form.	

Upon receipt of the properly completed claim form, you will receive a bar coded warranty part return label. Upon receipt of the parts, you will receive appropriate credit for both parts and return postage.

#### 2. Parts Sold Over the Counter

Following the instructions on page 1, you will be responsible for removing all affected Screamin' Eagle Race Brace

Support Kits from customer owned vehicles replacing kit hardware as needed with original equipment hardware from your own inventory. You also will be responsible for reimbursing the customer for the cost of the kit.

For each vehicle serviced, you must complete a separate Warranty Claim Form referencing Service Bulletin M-1082 in the "Description of Repair" section. In addition, the claim must contain the VIN (Vehicle Identification Number) of the vehicle on which the service was performed. Fill in the rest of the claim form as follows:

CLAIM TYPE	HPR
QTY. EVENT 1	1
EVENT 1, PROBLEM PART NO.	*
PART DESCRIPTION	P&A Race Brace Support Kit
PRIMARY LABOR CODE	3008
TIME	0.9 hr.
CUSTOMER CONCERN	0096
CONDITION CODE	3104
*Either Part No. 66693-98 or Part No. 66680-98.	

Upon receipt of the properly completed claim form, you will receive a bar coded warranty part return label. Upon receipt of the parts, you will receive 0.9 hour labor credit (which includes 0.1 hour dealer administrative time) for performing the required service. You also will receive credit for the cost of any hardware used to return the vehicle to its original configuration (such as screws, washers, P-clamps, exhaust brackets, spacers, cable straps, etc.) and return postage. Any and all additional parts should be listed (with assigned part numbers) on the claim form under EVENT 1, ADDITIONAL PARTS.

## FXST Credit Procedures (Part No. 66686-98, Part No. 66704-98)

### NOTE

*Because this is a recall, no electronic claims can be accepted. A paper claim form (P/N 99520-76D) must be used.*

#### 1. Kits in Dealer Stock

Temporarily remove all affected Screamin' Eagle Race Brace Support Kits from dealer stock.

Attached to this Service Bulletin you will find two copies of the updated Instruction Sheet explaining proper routing of the rear brake master cylinder reservoir hose. Open kits and replace old instruction sheets with new. Make additional copies as necessary. Be sure that all old instruction sheets are destroyed.

From your own inventory, add two hose clamps (Part No. 10038A) and three cable straps (Part No. 10006) to the contents of each kit.

## 2. Parts Sold Over the Counter/Hose Routed Inboard

You are responsible for correctly routing the rear brake master cylinder reservoir hose following the instructions on page 2. Since the hose is on the inboard side, removal of the Race Brace Support is required. If inspection of the hose shows any evidence of damage, then a new hose must be installed.

For each vehicle serviced you must complete a separate Warranty Claim Form referencing Service Bulletin M-1082 in the "Description of Repair" section. In addition, the claim must contain the VIN (Vehicle Identification Number) of the vehicle on which the service was performed. Fill in the rest of the claim form as follows:

CLAIM TYPE	HPR
QTY. EVENT 1	1
EVENT 1, PROBLEM PART NO.	*
PART DESCRIPTION	P&A Race Brace Support Kit
PRIMARY LABOR CODE	3010
TIME	1.1 hr.
CUSTOMER CONCERN	0096
CONDITION CODE	3104
*Either Part No. 66686-98 or Part No. 66704-98.	

Upon receipt of the properly completed claim form, you will receive 1.1 hours labor credit (which includes 0.1 hour dealer administrative time) for performing the required service. You will also receive credit for the cost of two hose clamps, two cable straps, and if necessary, a new rear brake master cylinder reservoir hose. The hose, Part No. 63546-87, should be added under EVENT 1, ADDITIONAL PARTS.

## 3. Parts Sold Over the Counter/Hose Routed Outboard

You are responsible for correctly routing the rear brake master cylinder reservoir hose following the instructions on page 2. Since the hose is on the outboard side, removal of the Race Brace Support is not necessary. If inspection of the hose shows any evidence of damage, then a new hose must be installed.

For each vehicle serviced you must complete a separate Warranty Claim Form referencing Service Bulletin M-1082 in the "Description of Repair" section. In addition, the claim must contain the VIN (Vehicle Identification Number) of the vehicle on which the service was performed. Fill in the rest of the claim form as follows:

CLAIM TYPE	HPN
QTY. EVENT 1	1
EVENT 1, PROBLEM PART NO.	*
PART DESCRIPTION	P&A Race Brace Support Kit
PRIMARY LABOR CODE	3011
TIME	0.5 hr.
CUSTOMER CONCERN	0096
CONDITION CODE	3104
*Either Part No. 66686-98 or Part No. 66704-98.	

Upon receipt of the properly completed claim form, you will receive 0.5 hour labor credit (which includes 0.1 hour dealer administrative time) for performing the required service. You will also receive credit for the cost of two hose clamps, two cable straps, and if necessary, a new rear brake master cylinder reservoir hose. The hose, Part No. 63546-87, should be added under EVENT 1, ADDITIONAL PARTS.

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									

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