

1981 FL/FX MODELS SERVICE INFORMATION

REAR BRAKE — FL/FX MODELS

See Figure 1. 1981 FLH models are fitted with a new dual piston rear brake caliper assembly similar to that used on the FLT. Some important differences between the FLH and FLT brakes should be noted. The mounting brackets are different and the FLH caliper is fitted with square seals on the mounting pins rather than with round O-rings. The bleeder fitting on the FLH caliper is in a different position than on the FLT caliper. Also, the FLH caliper does not have brake pad springs. Do not install these springs on the FLH calipers as they may cause the pads to rub on the disc when the brake is not applied. The FLH 12-inch rear disc and plate are also new and are not interchangeable with the FX or FLT disc and plate.

WARNING

Brake parts with unlike part numbers must not be interchanged. See the appropriate 1981 Parts Catalogs for the correct part numbers.

See Figure 2. 1981 FX models also have a new rear brake caliper and mounting bracket. The caliper is sup-

ported both front and rear on mounting pins which are pressed into the bracket. These pins are not removable. The rear mounting hole in the outer caliper half is fitted with a rubber damper and a nylon sleeve which are replaceable as a set. All FX models are equipped with a new 11½ inch rear disc.

Both FL and FX calipers feature the square seal piston design introduced on mid 1980 models. For best operation and maximum brake pad life, the mounting pins of both rear calipers should be coated with a light film of Harley-Davidson ANTI-SEIZE, Part No. 99632-77, whenever the calipers are serviced.

WARNING

Use only enough Harley-Davidson ANTI-SEIZE to LIGHTLY coat the pin! Excessive lubricant could contact the brake disc or pads and affect brake performance.

Refer to the 1981 FL/FX Service Manual for additional brake service information.

RIGHT SADDLEBAG — FL MODELS

To allow sufficient clearance for proper operation of the new dual piston rear brake caliper, the 1981 FLH model right saddlebag has been recessed approximately 7/16 in. on the back side. These new saddlebags will fit previous models, but 1980 and older saddlebags must not be fitted to 1981 models. Doing so could cause interference between the saddlebag and the rear brake caliper and could lead to improper brake operation. A warning label has been added to the saddlebag carrier alerting the rider to this special saddlebag requirement.

Part numbers for the 1981 right saddlebags and covers

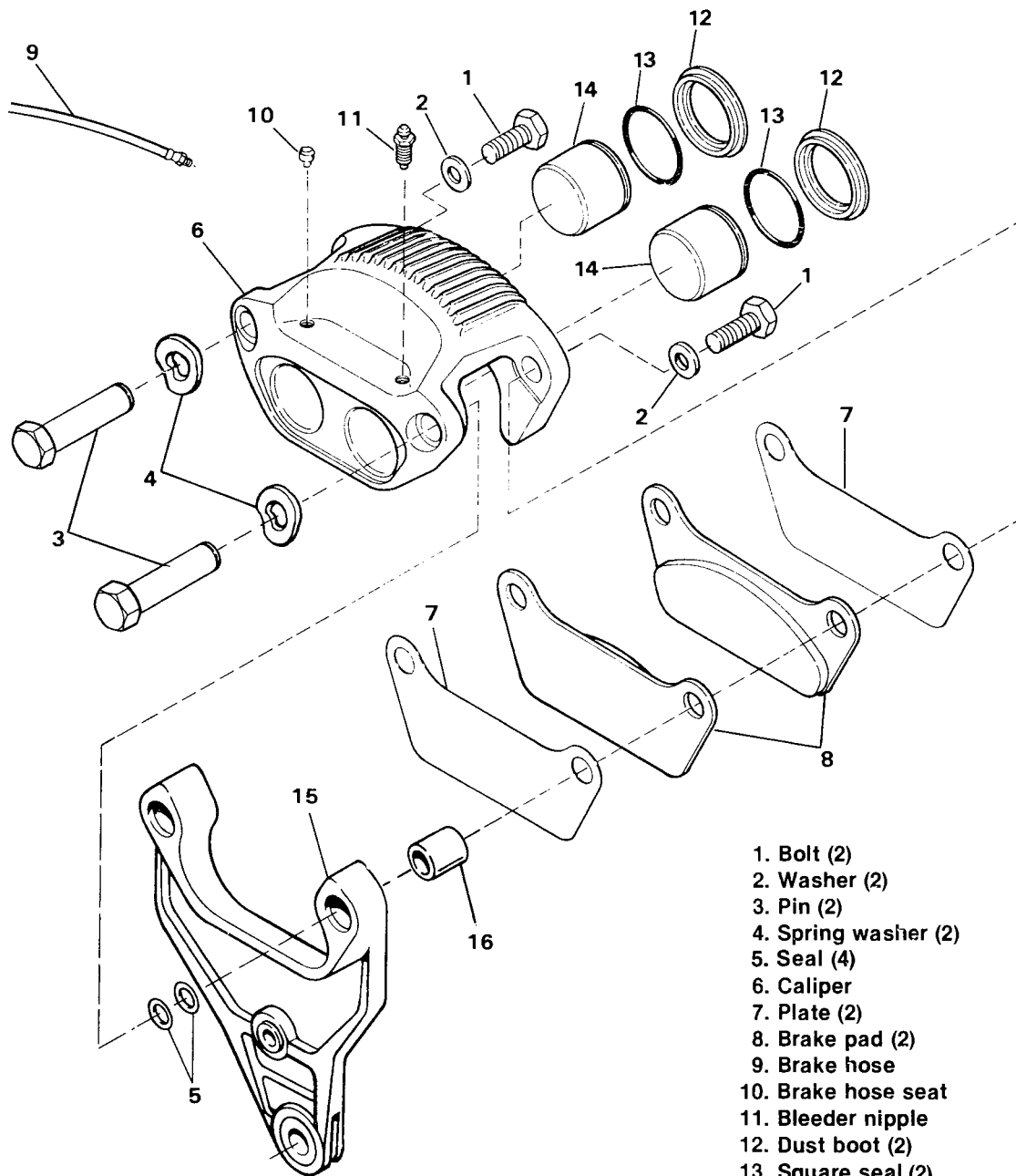
are as follows:

90978-81DH	Vivid Black
90978-81AV	Birch White
90978-81TR	Red & Dark Red
90978-81FK	Metallic Blue

Part numbers for complete sets with carriers are:

90849-77C	Birch White
90851-77C	Vivid Black

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									



- 1. Bolt (2)
- 2. Washer (2)
- 3. Pin (2)
- 4. Spring washer (2)
- 5. Seal (4)
- 6. Caliper
- 7. Plate (2)
- 8. Brake pad (2)
- 9. Brake hose
- 10. Brake hose seat
- 11. Bleeder nipple
- 12. Dust boot (2)
- 13. Square seal (2)
- 14. Piston (2)
- 15. Mounting bracket
- 16. Bushing (2)

Figure 1. 1981 FLH Rear Brake Caliper

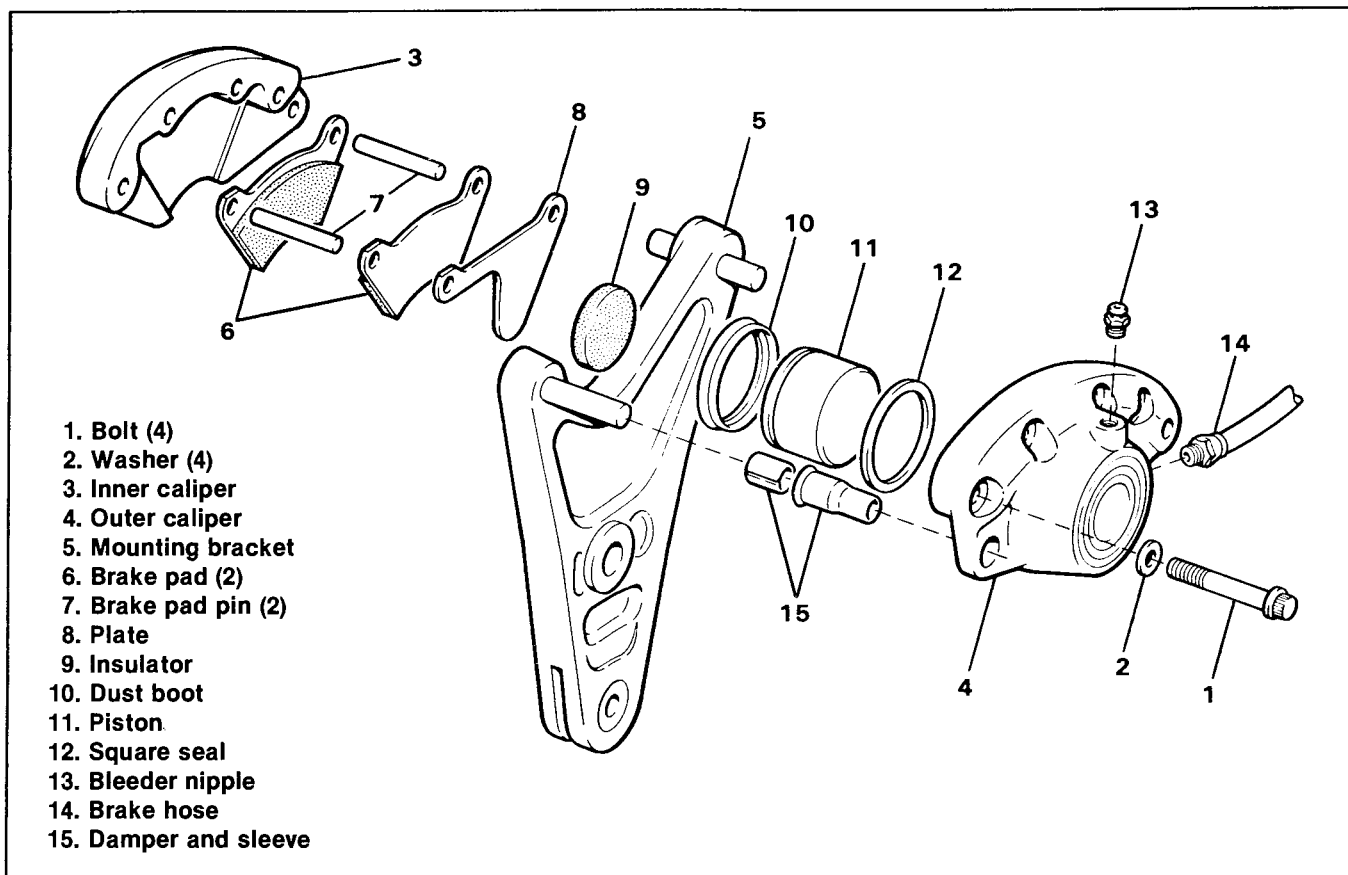


Figure 2. 1981 FX Rear Brake Caliper

FUEL HOSE ROUTING — FL/FX MODELS

Some early 1981 FL and FX models were assembled with the fuel tank crossover hose routed over the rocker boxes behind the front down tubes of the frame. This raises the center of the hose and will not allow all the fuel to cross from the right tank to the left with the fuel valve in the reserve position. This will decrease the amount of fuel available to the engine when riding on reserve.

For customer convenience, these hoses should be re-routed in front of the front down tubes and, on FL

models, below the top of the highway bar.

WARNING

Gasoline is extremely flammable and highly explosive under certain conditions. Do not smoke or allow open flame or sparks anywhere in the area when servicing the fuel system.

For further service information, refer to the 1981 FL/FX Service Manual.

STEEL CLUTCH PLATES — FL/FX MODELS

The STEEL CLUTCH PLATES, Part No. 37975-41, were changed in August, 1980. The three CLUTCH DISC BUFFERS, Part No. 38025-41, and their mounting holes have been eliminated starting with VIN 1HD1BAK14BY011984. The new style plates are directly interchangeable with

the old style without modification.

Refer to the 1981 FL/FX Service Manual for clutch service information.

HARLEY-DAVIDSON MOTOR CO., INC.