



INSTRUCTIONS

-J02278

REV. 5-24-01

Kit Numbers 45287-99C

BRAIDED FRONT BRAKE LINE KITS

General

This instruction sheet covers installation of the following brake line kits:

Kit Number	Fitment
45287-99C.....	2001 and Later FXDXT 2002 and later XL883R 1999 and later FXDX

See Service Parts for kit contents.

Installation

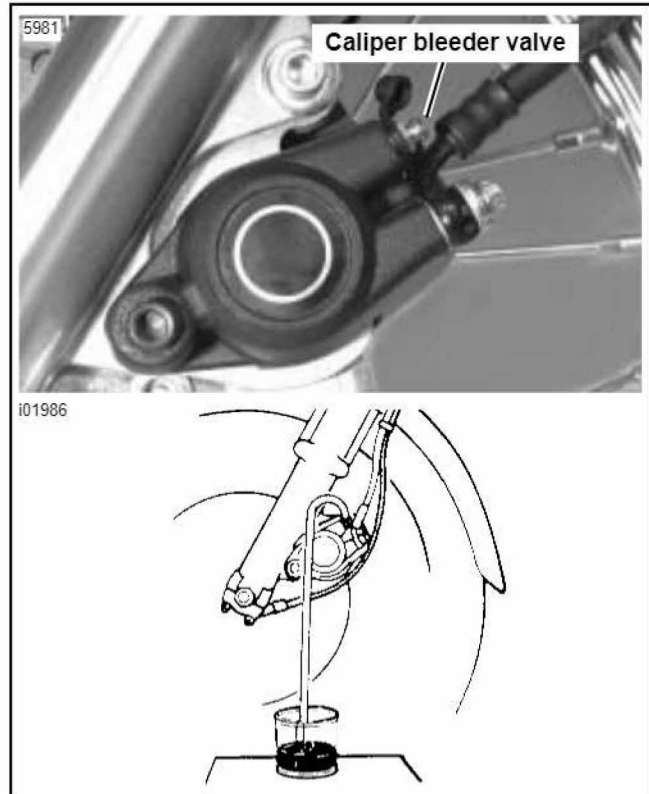
WARNING

SERVICE MANUAL IS NEEDED TO INSTALL THIS KIT. The rider's safety depends upon the correct installation of this kit. If the procedure is not within your capabilities or you do not have the correct tools, have your Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury.

CAUTION

Direct Contact of brake fluid with eyes may cause eye irritation, swelling and redness. Avoid eye contact. In case of eye contact flush with large amounts of water and get medical attention. Swallowing large amounts of brake fluid may result in minor or moderate injury. If swallowed, obtain medical attention. Use in a well ventilated area. KEEP OUT OF REACH OF CHILDREN.

1. See Figure 1. Open bleeder nipple cap on front brake caliper. Install end of a length of plastic tubing over caliper bleeder valve, while placing free end in a suitable container. Open bleeder valve about 1/2 turn. Pump brake lever to drain brake fluid.



Draining Brake Fluid

2. Remove bolt and two sealing washers to disconnect brake line fitting from master cylinder. Save bolt and discard washers.
3. Remove bolt and two sealing washers to disconnect brake line fitting from each brake caliper. Save bolt(s) and discard washers.

NOTE

On dual disk systems, the right and left side brake lines are similar, **but not identical**. To distinguish between them, carefully mate the new brake lines up to the old brake lines, **before removing the old lines from the motorcycle**. Make sure the banjo fittings on the new brake lines are oriented the same as the ones on the old brake lines.

4. Carefully make note of brake line routing then remove brake line from motorcycle. This kit contains clamps to replace the original equipment clamps you remove.
5. Install new braided brake line (or brake lines if a dual disk system) into position using clamps from kit. On dual disk systems, tighten the screw that holds the brake line tee to the fork stem to 14 in-lbs (1.6 Nm), and tighten the brake line fittings that thread into the brake line tee to 25 ft-lbs (34 Nm).

NOTE

On dual disk kits, the brake line tee is mounted so that the brake line from the master cylinder goes to the front of the motorcycle.

6. At the master cylinder and caliper(s), position new sealing washers from kit on each side of hydraulic brake fittings. Insert bolts saved from steps 2 and 3 through washers and fittings. Thread bolts into master cylinder and caliper and tighten to 17-22 ft-lbs (23-30 Nm).
7. Remove the master cylinder cover. Stand the motorcycle upright so the master cylinder is in a level position.
8. Add D.O.T. 5 SILICONE HYDRAULIC BRAKE FLUID ONLY to master cylinder reservoir until the fluid level is 1/8 in. (3.2 mm) from the top. Do not reuse brake fluid. Use only D.O.T. 5 fluid from a sealed container.
11. Depress and hold brake lever to build up hydraulic pressure.
12. Open bleeder valve about 1/2 turn. Brake fluid will flow from bleeder valve through tubing. Close bleeder valve when brake lever has moved 1/2 to 3/4 of its full range of travel. Allow brake lever to return slowly to its released position.
13. Repeat Steps 10-12 until all air bubbles are purged.
14. Final tighten bleeder valve to 80-100 **in-lbs** (9.0-11.3 Nm). Install bleeder cap. Add brake fluid to master cylinder reservoir until fluid level is about 1/8 in. (3.2 mm) from the top. Final tighten master cylinder reservoir cover screws to 6-8 **in-lbs** (0.7-0.9 Nm).

⚠ WARNING

Make sure relief port is not plugged or covered. A plugged or covered relief port can cause brake drag or lockup, which could result in loss of control of vehicle and death or serious injury.

9. Verify proper operation of the master cylinder relief port. Actuate the brake hand lever. A slight spurt of fluid will break the fluid surface in the reservoir compartment if all internal components are working properly.
10. Add brake fluid to the master cylinder reservoir until the fluid level is about 1/8 inch (3.2mm) from the top.

⚠ WARNING

After completing 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.

15. Test ride the motorcycle. If the brake feels spongy, repeat the bleeding procedure.



Service Parts

Part No. 45287-99C

Date 5/02

Braided Brake Line Kits

Kit 45287-99C

Item	Description	Part No.
1	Cable straps (3)	10065
2	Braided brake line, (master cylinder to tee)	not sold
3	Braided brake line (tee to right hand caliper)	not sold
4	Braided brake line (tee to left hand caliper)	not sold
5	Gasket (6)	41731-88A
6	Brake line tee	not sold
7	Clamp	71795-63A