



INSTRUCTIONS

-J00882

REV. 7-6-00

Kit Numbers 45201-97, 45202-97, 45203-97, 45204-97, 45205-97, 45206-97B, 45207-97, 45208-97, 45209-97, 45210-97, 45212-97, 45264-98, 45287-99, 45202-00, 44813-00A, 44815-00, 44815-00A

BRAIDED BRAKE LINE KITS

General

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

Kit Number	Fitment
45201-97	1992 and later XLH883 1988 and later XLH883 Hugger
45202-97	1988 and later XLH1200 1995 and later FXD
45203-97	1996 and later XL1200C
45204-97	1996 and later XL1200S
45205-97	1992 and later FXDS-CONV
45206-97B	1984-1999 FXSTC 1993 and later FXDWG
45207-97	1996 and later FXDL
45208-97	1996 and later FXSTS
45209-97	1995 and later FXSTSB
45210-97	1990 and later FLSTF/FLSTN 1987 and later FLSTC
45212-97	1994 and later FLHR/ 1998 and later FLTR
45264-98	1999 and later FXSTB Night Train
45287-99	1999 and later FXDX
45202-00	2000 FXD Super Glide
44813-00A	1999 and later FXST
44815-00	2000 FXSTD Deuce
44815-00A	2000 and later FXSTD only

See Service Parts for kit contents.

Installation

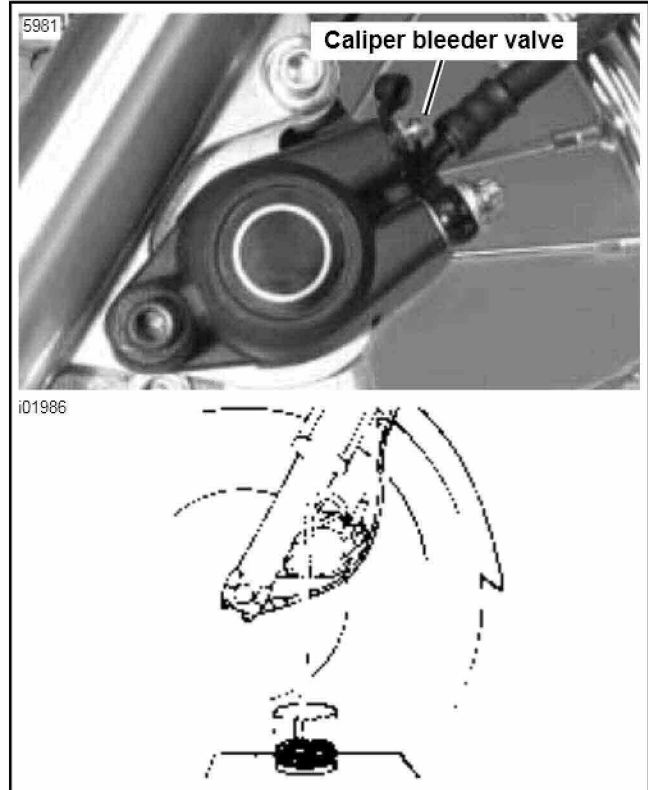
⚠ WARNING

A 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.

⚠ WARNING

ALWAYS KEEP BRAKE FLUID OUT OF THE REACH OF CHILDREN. D.O.T. SILICONE BRAKE FLUID can cause eye and skin irritation and can be harmful if swallowed. In case of eye or skin contact, flush with plenty of water. Seek medical attention for eyes. If fluid is accidentally ingested, call a doctor immediately. Failure to do so could result in death or serious injury.

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.

⚠ WARNING

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

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

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. 45201-97 & others | Date 7/00

Braided Brake Line Kits

Kits 45201-97, 45202-97, 45203-97, 45206-97B

Item	Description	Part No.
1	Cable straps (3)	10065
2	Braided brake line	not sold
3	Large sealing washers (2)	45247-97
4	Small sealing washers (2)	45248-97
5	Clamp	68562-84
6	Clamp	71795-63A

Kit 45204-97

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	Small sealing washers (6)	45248-97
6	Brake line tee	not sold
7	Clamp	71795-63A

Kit 45205-97

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	Small sealing washers (6)	45248-97
6	Brake line tee	not sold
7	Clamp	71795-63A

Kit 45207-97

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	Small sealing washers (6)	45248-97
6	Brake line tee	not sold
7	Clamp	71795-63A

Kit 45208-97, 45209-97

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	10209
3	Braided brake line	not sold
4	Large sealing washers (2)	45247-97
5	Small sealing washers (2)	45248-97
6	Clamp	68562-84

Kit 45210-97

Item	Description	Part No.
1	Cable straps (3)	10065
2	Braided brake line	not sold
3	Large sealing washers (2)	45247-97
4	Small sealing washers (2)	45248-97
5	Clamps (3)	68562-84

Kit 45212-97

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	Small sealing washers (6)	45248-97
6	Brake line tee	not sold

Kits 45264-98, 44813-00A

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Clamp	68562-84
4	Large sealing washers (2)	45247-97
5	Small sealing washers (2)	45248-97
6	Braided brake line	not sold

Kit 45287-99

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Small sealing washers (6)	45248-97
4	Brake line tee	not sold
5	Braided brake line (tee to left hand caliper)	not sold
6	Braided brake line (tee to right hand caliper)	not sold
7	Braided brake line (master cylinder to tee)	not sold

Kit 44813-00A

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Clamp	68562-84
4	Gasket, Banjo (2)	41733-88
5	Gasket (2)	41731-88A
6	Braided brake line	44814-00

Kit 44815-00

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Clamp	68562-84
4	Gasket, Banjo (2)	41733-88
5	Gasket (2)	41731-88A
6	Braided brake line	44816-00

Kit 44815-00A

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Clamp	68562-84
4	Gasket, Banjo (2)	41733-88
5	Gasket (2)	41731-88A
6	Braided brake line	44816-00A

Kit 45202-00

Item	Description	Part No.
1	Cable straps (3)	10065
2	Clamp	71795-63A
3	Clamp	68562-84
4	Gasket, Banjo (2)	41733-88
5	Gasket (2)	41731-88A
6	Braided brake line	45214-00