

Selecting custom Powerhose Plus Hydraulic Brake or Clutch Lines

Powerhose Plus takes the hassle out of brake hose replacement for the dealer and the user. Nothing could be simpler. .

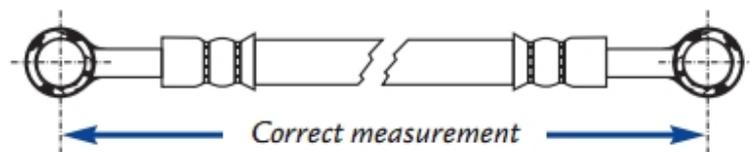
1. Measure existing brake hoses (as per diagram below), and identify your requirements.
2. Select the appropriate lines and fittings from the Powerhose Plus range.
3. Fit to your machine.

1. Hose Measurement

When calculating the dimensions of the replacement brake line – the original must be measured from the centre of the banjo at one end of the hose to the centre of the banjo at the opposite end of the hose. This gives the overall length of the hose including fittings. To calculate the brake line without fittings deduct 40mm from the overall length. Take a note of this dimension as you will use it later to select your hose.

If the hose is still fitted to the machine this measurement can be obtained with the careful use of a flexible tape measure. Be sure to follow the contours of the old hose exactly.

When connected up, brake lines should have an amount of “free play”; they must not be strained or placed under tension.



WARNING:

Do not use a hose with a shorter measurement than the original.

2. Selecting Lines and Identifying Fittings

With the dimension taken in the previous section ('correct measurement' minus 40mm), You can choose hoses in lengths of 25mm increments and in many colour options.

As you see there is a wide variety of brake line fittings so you must be careful to select the right type of fitting and the correct thread. Once you have selected the fitting the following table will help you to identify the thread:

- Suzuki and most European machines
- 10 x 1mm and/or 10x1.25mm
- Honda, Yamaha, Kawasaki and Triumph
- 10 x 1.25mm
- Early Triumph and Norton
- 3/8 UNF
- Harley Davidson
- 7/16 and/or 3/8 UNF

All Powerhose Plus fittings are chrome plated mild steel or upon request in stainless steel at extra cost.

1/8 BSP BANJO CONECTORS

- 3/60081 straight
- 3/60082 20 degree
- 3/60087 45 degree
- 3/60086 75 degree
- 3/60084 90 degree
- 3/60085 20 degree side bend
- 3/60082R 20 degree with 20 degree side bend Right
- 3/60082L 20 degree with 20 degree side bend Left
- 3/60088 straight (For Harley 7/16" UNF)

BANJO BOLTS - SINGLE

- 1101100D 10 x 1
- 1110125D 10 x 1.25
- 110375D 3/8 UNF
- 110716D 7/16 24tpi
- 710100-L 10 x 1 with light switch
- 710125-L 10 x 1.25 with light switch

BANJO BOLTS - DOUBLE

- 2101100D 10 x 1

- 2110125D 10 x 1.25
- 210375D 3/8 UNF
- 210716D 7/16 24tpi
- 810100 10 x 1 with light switch
- 810125 10 x 1.25 with light switch

1/8 BSP ADAPTORS

- 3/60100A 10 x 1 Convex
- 3/70100A 10 x 1.25 Concave
- 3/60125A 10 x 1.25 Convex
- 3/70125A 10 x 1.25 Concave
- 3/60375A 3/8 UNF Convex
- 3/70375A 3/8 UNF Concave

Bulkhead Adaptors

- 3/80100A 10 x 1
- 3/80125A 10 x 1.25
- 3/80375A 3/8 UNF

1/8 BSP FEMALE ADAPTORS

- 3/60100FA 10 x 1 Convex
- 3/60125FA 10 x 1.25 Convex
- 3/60375FA 3/8 UNF Convex

1/8 BSP T-CONNECTOR

- 776 1/8 BSP (chrome or nickel)
- HD776A Harley Davidson pressure switch

COPPER WASHERS

- C101 10mm
- C111 7/16

3. Fitting Instructions

If in doubt about installation please consult your nearest qualified motorcycle mechanic.

To fit Powerhose Plus you will need an 11mm spanner together with a 6mm allen wrench for any banjo bolts.

Please adhere to the following:

1. Double check thread compatibility for master cylinder and callipers.
2. Loosely assemble hose to end fittings and attach to the machine. Remember to renew all copper washers where used.
3. Ensure that hoses are correctly routed – use the same routing as manufacturers original.
4. Tighten all connections (do not over tighten).
5. Check operation of fork and suspension arm to ensure that brake lines do not become trapped or stressed.
6. Bleed system in accordance with manufacturer's instructions.
7. Check all joins for leakage under pressure (operate brake lever and pressurise system).
8. Inspect regularly.

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