



BRAKE LINE KIT (BKL-001) INSTRUCTIONS

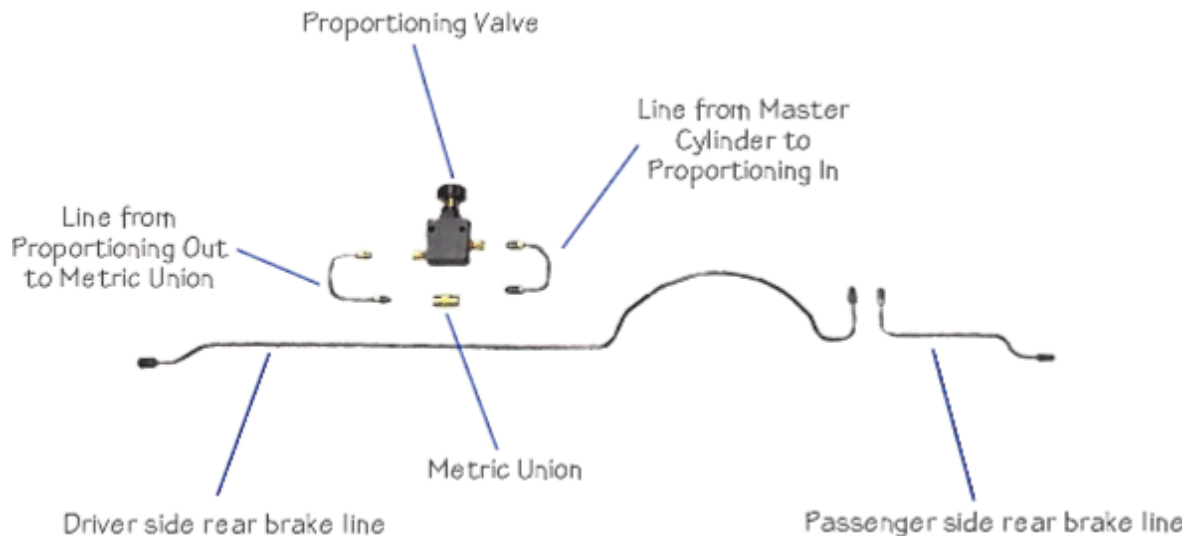


Figure 1

PART 2: BRAKE LINE SETUP WITH BRAKE LINE KIT SUPPLEMENT

1) At this stage in the Disc Brake installation, you should be at Part 2 which will take care of the brake line installation necessary to complete the disc brake setup. With this Brake Line Kit, this installation will be very easily accomplished. Once you finish with this part, continue with Part 3 in the Disc Brake instructions.

2) Double check to make sure you have received the correct Brake Line Kit for your Samurai. You should have two brake lines on the rear axle similar to those shown in **Figure 1** (driver side and passenger side rear brake lines). If you have only one soft brake line feeding the rear, you will need to purchase the BL-02 kit. If you have any concern about whether or not you have received the correct kit, please contact the vendor that you purchased this product from.

3) Disassemble the existing two rear brake lines. Connect the Driver side rear brake line and the Passenger side rear brake line shown above in place of these two existing brake lines.



4)

Figure 2



Now you will need to assembly the proportioning valve by the master cylinder. **Figure 2** above shows the setup that is required for your vehicle. You should finger tighten all connections during installation and then tighten securely once the setup is complete. Using **Figure 1** as reference for the brake line names, first disconnect the existing front line from the master cylinder (the front line is the one closest to the front of the vehicle) and connect the small line titled "line from master cylinder to proportioning IN" included in the kit to this spot on the master cylinder. Then, connect the end of this line to the "IN" portion on the proportioning valve. Now, locate the line titled "line from proportioning OUT to metric union" and connect the standard end to the proportioning valve. Then, connect the metric union to the end of this line. Finally, carefully bend the existing brake line that was originally connected to the master cylinder and connect this to the metric union. This system should now look like that in **Figure 2**. Once you have completed this setup, tighten all connections.

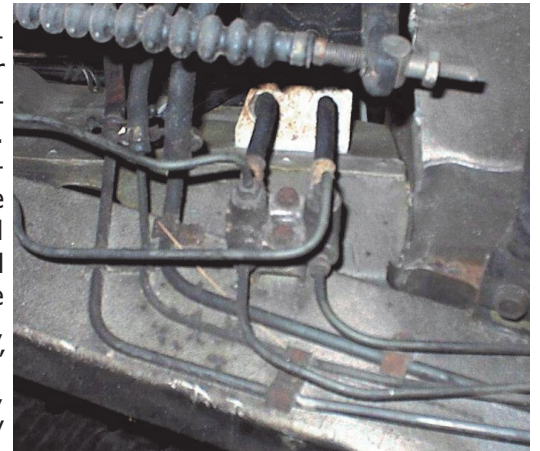


Figure 3



Figure 4

5) The '86-'88 Samurai uses a "split diagonally" brake system which circuits the front left brake with the rear right brake and the front right brake with the rear left brake. The '88.5-'95 Samurai uses a "split front-to-rear" brake system where one piston in the master cylinder controls the front brakes and the other piston controls the rear brakes. The Spidertrax Disc Brake Kit utilizes the split front-to-rear system similar to the '88.5-'95 models. By segregating the front and rear brakes, you are able to bias the rear brakes using a proportioning valve.

6) You will need to follow the lines from the master cylinder to the first manifold on the front passenger frame rail. This manifold is shown in **Figure 3**. This is off an '87 Samurai.

7) Looking first at **Figure 3** for reference, remove the top right brake line and the bottom left brake line. **Figure 4** shows these lines removed.

8) Now reverse the location of the two lines and re-install. Carefully bend these lines so they can be reversed. Once completed, your manifold should resemble **Figure 5**. This is now a "split front-to-rear" brake circuit . Be sure that the repositioned brake lines are out of the way of the clutch lever.

9) That completes the brake line setup. Now you can continue with the Disc Brake Installation by returning to **Part 3: Installation of Disc Brakes**.

Thank you again for purchasing this supplement and have fun with the remainder of the installation process.

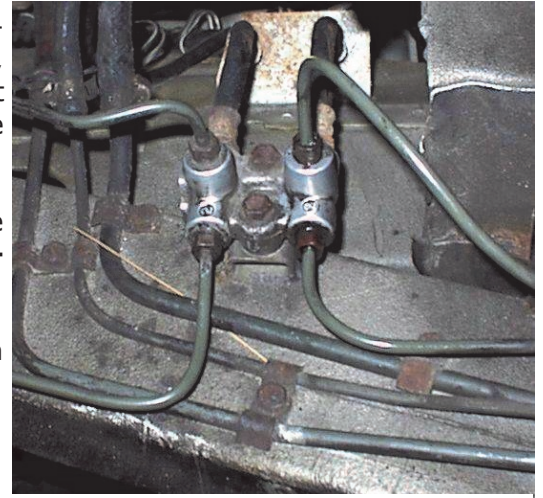


Figure 5

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