

INSTALLATION PROCESS:
FK003D494-3 Front Brake Line Kit
2003-10 Yamaha XVZ1300 Royal Star Venture

Torque specifications
Stainless steel 15-17 ft. lbs
Aluminum 12-15 ft. lbs



Step 1:

Identify the key components that complete our brake line kit:

You should have one (1) single line, one (1) 2-line assembly, and five (5) single banjo bolts. We have also included a total of twelve (12) washers; ten (10) will be used, and two (2) will be spares. We strongly suggest having a professional mechanic install your brake lines, all other installs may void your warranty.

Step 2:

To ensure there is no paint damage from the brake fluid, completely cover the front end of the bike. Installing brake lines can be a messy process, and brake fluid *WILL* spill!

Step 3:

After bleeding and drying out the OEM brake system, uninstall your front stock hoses. Be sure to keep the proportioning valve installed, this is to be re-used with the Galfer brake line kit. You may want to take note of how the stock system was routed in case you need to re-install the hoses.

Step 4:

Familiarize yourself with the new Galfer brake lines. Notice there is a top line; this is to be installed at the master cylinder, we have also included a two (2) line assembly; this is to be installed to the right and left calipers (*“right” and “left” as if you are sitting on the bike.*)

Step 5:

Take the top line and identify which end to install at the master cylinder. Install this end using a single banjo bolt and two (2) washers, the sequence will be as follows; master cylinder, washer, banjo fitting, washer, single banjo bolt (**refer to picture A.**) Route the line down to the proportioning valve at the lower triple tree, similar to the OEM routing. Install this end to your prop valve using a single banjo bolt and two (2) washers, and using the same sequence as the master cylinder.

Step 6:

Install the double banjo fitting of the two (2) line assembly, to the prop valve using a single banjo bolt and two (2) washers, *be sure the “right caliper” line is on the right side of the bike* (**refer to picture B.**) Route the lines behind the forks and to their appropriate calipers. Install the lines to each caliper using a single banjo bolt and two (2) washers, and following the same sequence as before (**refer to pictures C and D.**)

Step 7:

Before you begin the next step, please check the clearance of your new lines. When the front end is fully extended or compressed, make sure the lines do not bind with anything. Be sure to triple check that the lines are traveling correctly and are clear from any obstructions.

Step 8:

Bleed your brake system according to the owner’s manual. Add Galfer DOT-4 brake fluid to the system and build appropriate pressure.

Step 9:

Once you have bled the system, please check the brake fluid level in your master cylinder. Top off your brake fluid according to your manual and close the brake fluid reservoir. To ensure there are no leaks or other issues, zip-tie the brake lever to the throttle for at least 2 hours. If the lines are not leaking and all else looks good, (bolts are tight and torqued down to specification, washers are in place, and lines are clear from obstruction) you are now ready to ride with the new brake system.

Please be aware that the overall braking feel has been changed dramatically. We suggest taking it easy while you get used to the new brake lever pressure and feel. We recommend checking your brake system periodically; be sure to check that your bolts are tight and *VERY* carefully check your lines for any leaks or damage. If there are any signs of damage or stress to the lines, the complete brake line kit will need to be replaced. Remember, our brake lines have a **LIFETIME WARRANTY!** If you have any problems or questions, do not hesitate to call our tech department - **(800) 685-6633**.



a. Front master cylinder



b. 2-line assembly and prop valve



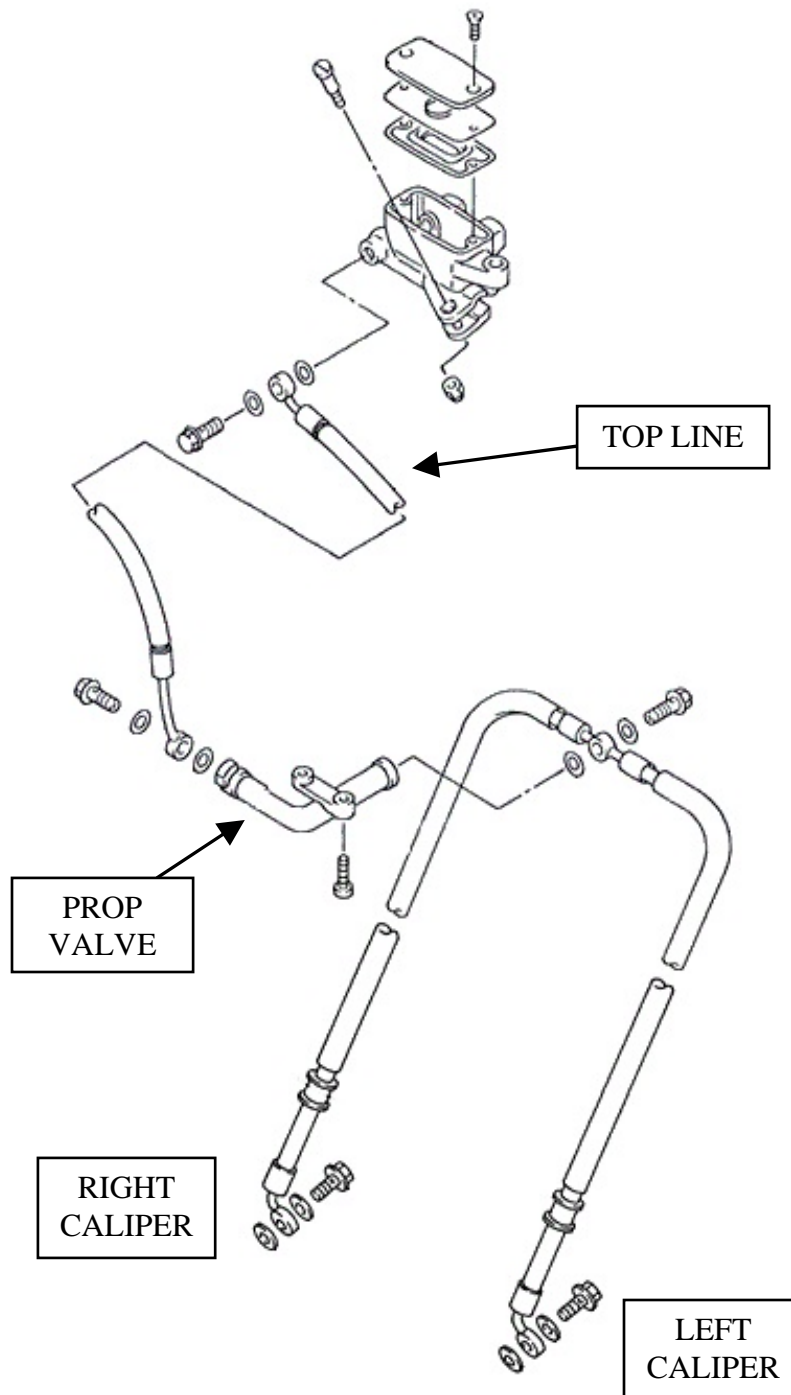
c. Right caliper



d. Left caliper

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