

INSTALLATION PROCESS:

FK003D494CL Clutch Brake Line Kit

2003-13 Yamaha XVZ1300 Royal Star Venture



Step 1:

Identify the key components that complete our brake line kit:

You should have one (1) line, two (2) single banjo bolts, two (2) clips, and two (2) zip ties. We have also included a total of four (6) washers; four (4) 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 and slave cylinder 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 the clutch master cylinder hose. Take note of how the stock system was routed in case you need to re-install the lines.

Step 4:

Identify which end of the new Galfer brake line to install to the clutch 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.**) Torque to 15 – 17 ft. pounds for steel and 12 – 15 ft. pounds for aluminum fittings.

Step 5:

Route the line down to the slave cylinder using the provided clips and zip ties as needed to secure the line. Install this end using a single banjo bolt and two (2) washers, the sequence will be as follows; slave cylinder, washer, banjo fitting, washer, single banjo bolt. Torque to 15 – 17 ft. pounds for steel and 12 – 15 ft. pounds for aluminum fittings.

Step 6:

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 7:

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

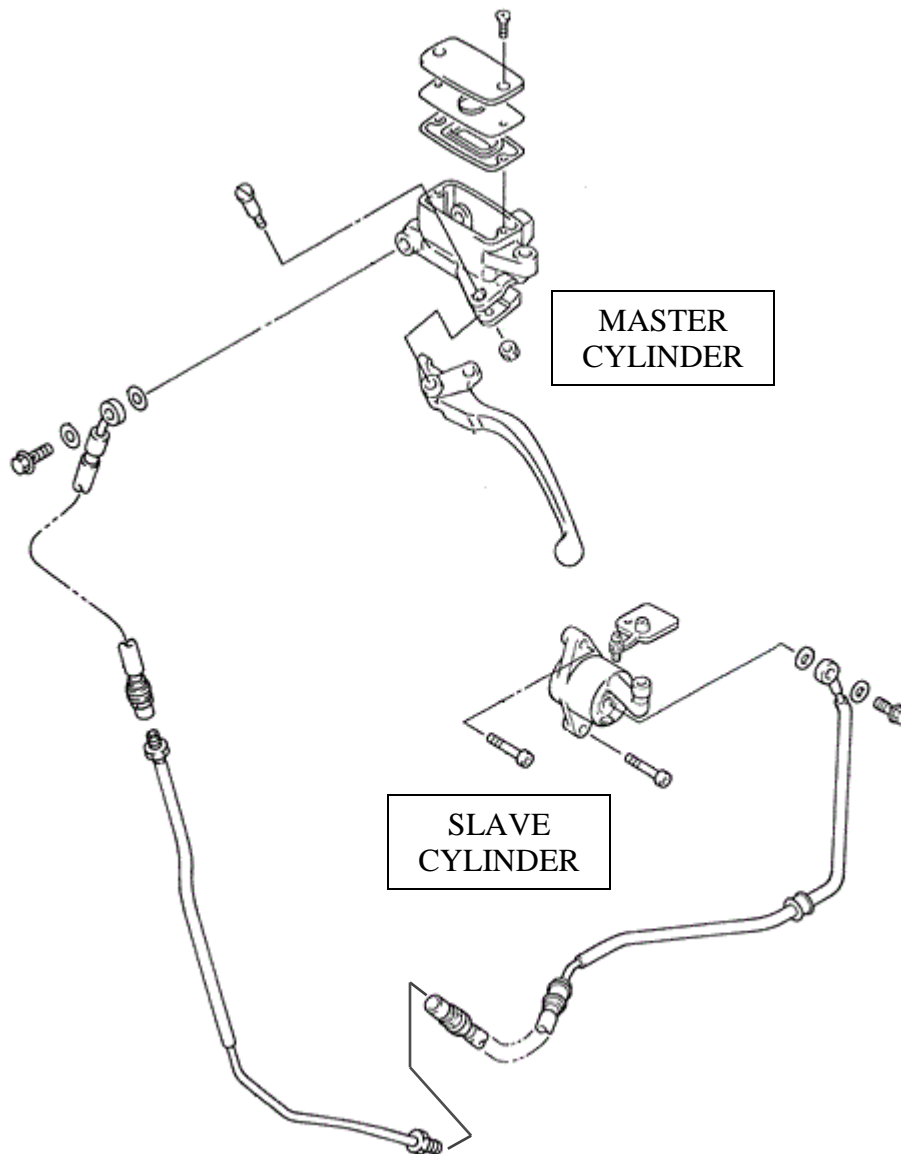
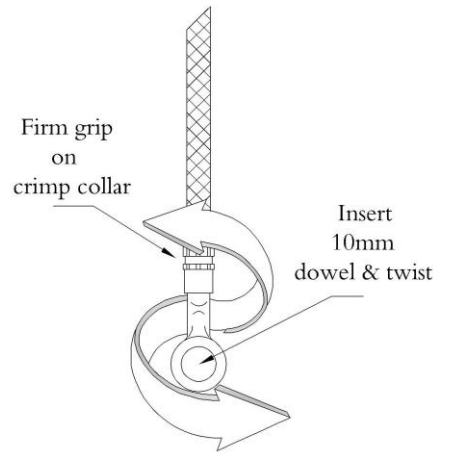
Step 8:

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 clutch lever to the handle bar 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. Clutch master cylinder



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