

## INSTALLATION PROCESS:

### **FK003D809-5 Complete Brake Line Kit**

2015+ YAMAHA FJ09 / FZ09 / XSR900 ABS



#### **Step 1:**

Identify the key components that complete our brake line kit:

You should have FIVE (5) lines, ONE (1) double banjo bolt, EIGHT (8) single banjo bolts. We have also included a total of TWENTY THREE (23) washers; NINETEEN (19) will be used, and THREE (3) 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 and rear 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 stock hoses. 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 that each line is labeled for application. **Lines A, B and C** will be installed on the front end of the bike, and **Lines D and E** will be used for the rear application.

#### **NOTES:**

- Double banjo bolt will take 3 washers
- Single banjo bolts will take 2 washers
- We refer to “left” and “right” as if you are sitting on the motorcycle
- Torque all stainless steel bolts to 15-17 ft pounds
- Torque ABS Banjo Bolts 12-15ft pounds
- Torque all aluminum bolts to 10-13 ft pounds
- Torque all male and female fittings to 5-7 ft pounds

**Step 5: (FRONT & REAR LINE INSTALL USING THE STOCK ROUTING) (FRONT LINES A-B and C)** **Line A** will travel from the front master cylinder using the stock routing and a Galfer provided retainin , clip-1 @ lower triple and clip-2 will be mounted at the lower neck frame stay rail joining **LINE-C** and continuing alongside your right upper frame rail to the ABS UNIT **LINE-B** will travel from right caliper to left caliper reusing both rubber grommets. **LINE-C** will be installed at your left caliper using the supplied double banjo bolt joining line-b using a washer in between each sealing area a total of three washers and continue with the routing reusing your OEM grommet at your front fender up to clip-2 and following line-A to the **ABS UNIT. (REAR LINE INSTALL LINE D and E)** **Line-E** will be installed at the rear caliper and route up the rear swing arm to the ABS unit. **LINE-D** will be installed at the rear master cylinder up to the ABS unit using a Galfer provided Clip-2 to retain lines D-E.

#### **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 brake lever to the throttle for at least 2 hours. For the rear; use a jug or something similar to apply pressure to your brake pedal for at least 2 hours. For the clutch; 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**.



**Master Cylinder Line-A**



**Line-A routing using a Clip-1 @ lower triple**



**Right caliper Line-B crossover to left**



**Left caliper Lines-B (inner) crossover from right caliper Line-C from ABS unit**



**Lines-A/C routing using Clip-2 from front master and left caliper to ABS unit**



**Line-B from A.B.S. block to rear master cylinder**



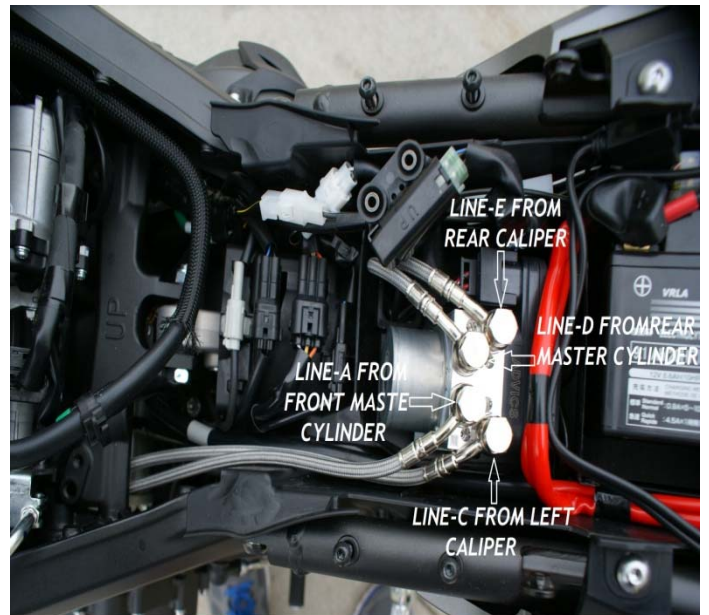
**Line -E rear caliper to ABS unit using OEM routing and tabs**



**Line-D rear master cylinder to ABS unit**



**Lines-D / E rear brake lines routing  
using CLIP-2**



**Lines-A/C/D and E using stock routing  
and retaining tabs**

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