

## **Kawasaki ZX-4RR, 2023 -, NON ABS** **Mounting instructions for kit labeled S-KA0433**



Thank You for purchasing Spiegler Brake Lines.

**Brake components are vehicle safety related items and should be installed by a certified motorcycle technician. If you are not a certified motorcycle technician, stop here and contact your local motorcycle service mechanic.**

Please refer to the back of the inlay card in your Spiegler brake line package for Spiegler aluminum banjo bolt torque specs and fitting rotation instructions (blue blocks & plastic rod). For all other specifications, disassembly, reassembly, OE banjo bolt torque specs and bleeding procedures refer to your OEM service manual.

**This NON ABS kit is not intended for public street use, it is made for track days and racing only!**

### **Brake Line Kit Contents**

- 5 4 Stainless Steel Braided Brake Lines
  - 5 Top Front Line – Labeled 'M/C 1<sup>st</sup>' – Routes from front master cylinder to the 3-way manifold.
  - 5 Right Caliper Line – Labeled 'RH Cal' – Routes from the 3-way manifold to the right caliper.
  - 5 Left Caliper Line – Labeled 'LH Cal' – Routes from the 3-way manifold to the left caliper
  - 5 Rear Caliper Line – Labeled 'Rear Caliper' – Routes from the rear M/C to the rear caliper.
- 5 10mm Aluminum Crush Washers (x14)
- 5 Banjo Bolt M10x1.00, mounts to 3-way manifold for Top Front Line (1x)
- 5 Banjo Bolt M10x1.25 (5x)
- 5 3-Way Manifold (1x)

### **Installation Process**

1. **Remove the following:**
  - a. Seat
  - b. Right and Left Side covers underneath tank
  - c. Inner fairing shroud
  - d. Fuel tank
  - e. Airbox
  - f. Disconnect Battery
2. **Drain the brake fluid and remove all of the OEM brake lines.**
3. **Install the Rennsport front brake lines**
  - a. Install the 3-way manifold at the lower triple clamp as shown on image #1 utilizing the original M6 bolt.
  - b. Start routing the top line from the front master cylinder to the 3-way manifold and install the banjo bolts and crush washer. Make sure to use the M10x1.00 banjo bolt for the 3-way manifold connection.
  - c. Next install the right and left caliper brake lines starting from the calipers to the 3-way manifold. The 2 lines route outside of the fork legs as shown on image #2 and #3. Utilize the grommets to fit the line and wheel speed sensor wire. Use 25Nm torque for the external threaded fittings at the 3-way manifold. All other banjo bolts get torqued with 20Nm.
  - d. If a line should get damaged during track events you can replace them individually. Also, if you install an aftermarket radial master cylinder we can supply you with a special top front line for this application.
4. **Install the rear brake line**
  - a. Install the rear brake line as shown on image #4 and #5
5. **Check line Clearance.**
  - a. Check the clearance of the front & rear lines by moving the bike through its suspension travel path.
6. **Bleed the brakes / Reassemble.**
  - a. Bleed the front and rear brakes using new brake fluid from a sealed container.
  - b. Check all connections for leaks.
  - c. Reassemble the motorcycle, enjoy your new Spiegler Brake Lines and go fast!

