

## INSTALLATION PROCESS:

### FK003D928-5 Complete Front & Rear ABS Line Kit

2017+ SUZUKI SV 650 ABS



#### Parts List:

|  |                        |
|--|------------------------|
| 5 Lines  | 1 Double clip          |
| 4 Single banjo bolts                                 | 1 Single clip          |
| 1 Double banjo bolt                                  | 4 Olive flare adapters |
| 13 Crush washers (11 will be used, 2 will be spares) | 2 Nylock nuts          |
| 1 Grommet  | 2 Bolts                |
| 10 Zip ties  |                        |

#### NOTE:

*Galfer stainless steel banjos and bolts must be torqued between 15 – 17 ft. pounds*

*Galfer stainless steel blocks and hard lines must be torqued between 5 - 7 ft. pounds*

*Galfer Aluminum banjos and bolts must be torqued between 12-15 ft. pounds*

Galfer strongly suggests having a professional mechanic install your brake lines because incorrect installation may void your warranty. ***Be sure to read through the instructions before installing Galfer lines.***

#### Step 1:

To prevent paint damage from 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! Remove all brake fluid from the OEM brake system according to the factory service manual. Take note of how the stock system was routed (you may want to take pictures for reference).

#### Step 2:

Begin by removing all O.E.M. brake lines on the front of the bike make sure to reference all holders and bolts as some of them will be reused. From the master cylinder going to the hard line install **Line A** making sure to follow the O.E.M. path to the hard line fitting. Install the banjo using the provided banjo bolt in the sequence **(BOLT/WASHER/BANJO/WASHER/MASTER CYLINDER)** (See figure 1). Using a FLARE OLIVE ADAPTER install the line to the O.E.M. hard line and install the clip using the factory bolt from the original line holder (See figure 2).

#### Step 3:

Locate the line block holder under the triple tree. Once located, install **Line B** as shown in (See figure 3). As shown before install OLIVE FLARE ADAPTER into the Galfer line block before threading in the O.E.M hard line. Install the provided bolt and nut to secure the Galfer block to the O.E.M holder. Route the line down to the caliper. From this point use **Line C** on top of the line B banjo fitting using the double banjo bolt (See figure 4). The sequence will be as follows **(BOLT/WASHER/BANJO/WASHER/BANJO/WASHER/CALIPER)**. Once the left side has been installed use the provided grommet on the Galfer line to fit into the O.E.M line holder on the fender. (See figure 5). Install the right caliper line with a single banjo bolt as shown (See figure 6) using the same sequence as the master cylinder installation in step 2.

#### Step 4:

Now that all your front lines are installed, torque to spec and verify everything is free from obstruction and there is no binding. Use provided zip ties to secure the A.B.S. line to the brake line and take up the extra slack by pushing the extra wire length into the frame slot where the A.B.S. line travels.

### Step 5:

You are now ready to install the rear section of this A.B.S. kit. Begin by installing the Galfer blocks into the O.E.M. block holder. Use **Lines D & E** from the Galfer kit in the next section. Once in place make sure to install the provided OLIVE FLARE ADAPTERS into the fittings before torquing. Using the provided bolt and nut secure the Galfer block (See figure 7).

### Step 6:

Install the banjo fitting onto the master cylinder (See figure 8). Remove the factory line bracket that is on the swing arm but retain the screw as it will be reused (See figure 9). Route the **Line E** toward the caliper and install the banjo fitting using the Galfer provided banjo bolt and washers. Using the provided clip, secure the brake line and A.B.S. wire into the clip and use the O.E.M screw to secure the holder (See figure 10).

### Step 7:

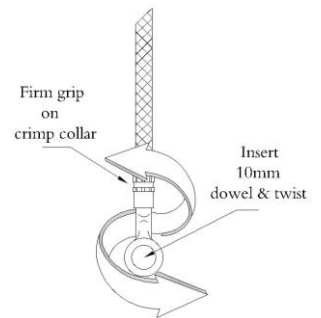
Before continuing, check clearance of your new lines with the suspension fully extended and compressed. Make sure to double check that the lines are traveling correctly and are clear from any obstructions. Using Galfer DOT-4 brake fluid (or equivalent); bleed your brake system according to the owner's manual.

### Step 8:

Once the system is properly bled, check the brake fluid level in your master cylinders and top off if necessary. Clean any residual fluid from around the banjos and fittings making sure to keep solvents away from the brake pads and/or rotors. Ensure there are no leaks in the system by applying pressure to the brake lever and pedal for at least 30 minutes. For the front, a zip ties around the bar and lever works well. In the rear use a dumbbell or something similar to apply pressure to the brake pedal. If the lines are not leaking and all else looks good, you are ready to ride.

Please be aware that the new Galfer braking system is now much more responsive and will take some getting used to. We recommend riding carefully as you feel out the lever and pedal. Check your brake system periodically for proper torque, leaks, and damage to the lines. If there are any signs of damage, the lines will need to be replaced. All Galfer USA brake lines have a LIFETIME WARRANTY! If you have any problems or questions, do not hesitate to call our tech department - **(800) 685-6633**.

*\*Please note that although Galfer fittings come pre-positioned from the factory for easy installation, differences in bike setup, bar position, control angle, etc. may require the banjos to be rotated slightly. All Galfer fittings are what we refer to as turn-to-fit and can be rotated to alleviate twist or tension in the lines. To do so, firmly hold the crimped portion of the line; insert a wood dowel, brass punch, or pen into the banjo, and rotate as shown in the diagram below. Be sure to only apply rotational force and NEVER pry on the connection. If you have any questions, please contact our tech department before attempting this procedure.*



**GALFER**  
USA

310 IRVING DRIVE OXNARD, CA 93030 . PH (805) 988-2900 . FAX (800) 685-6633

[WWW.GALFERUSA.COM](http://WWW.GALFERUSA.COM)



(See figure 1)





(See figure 1)



(See figure 2)



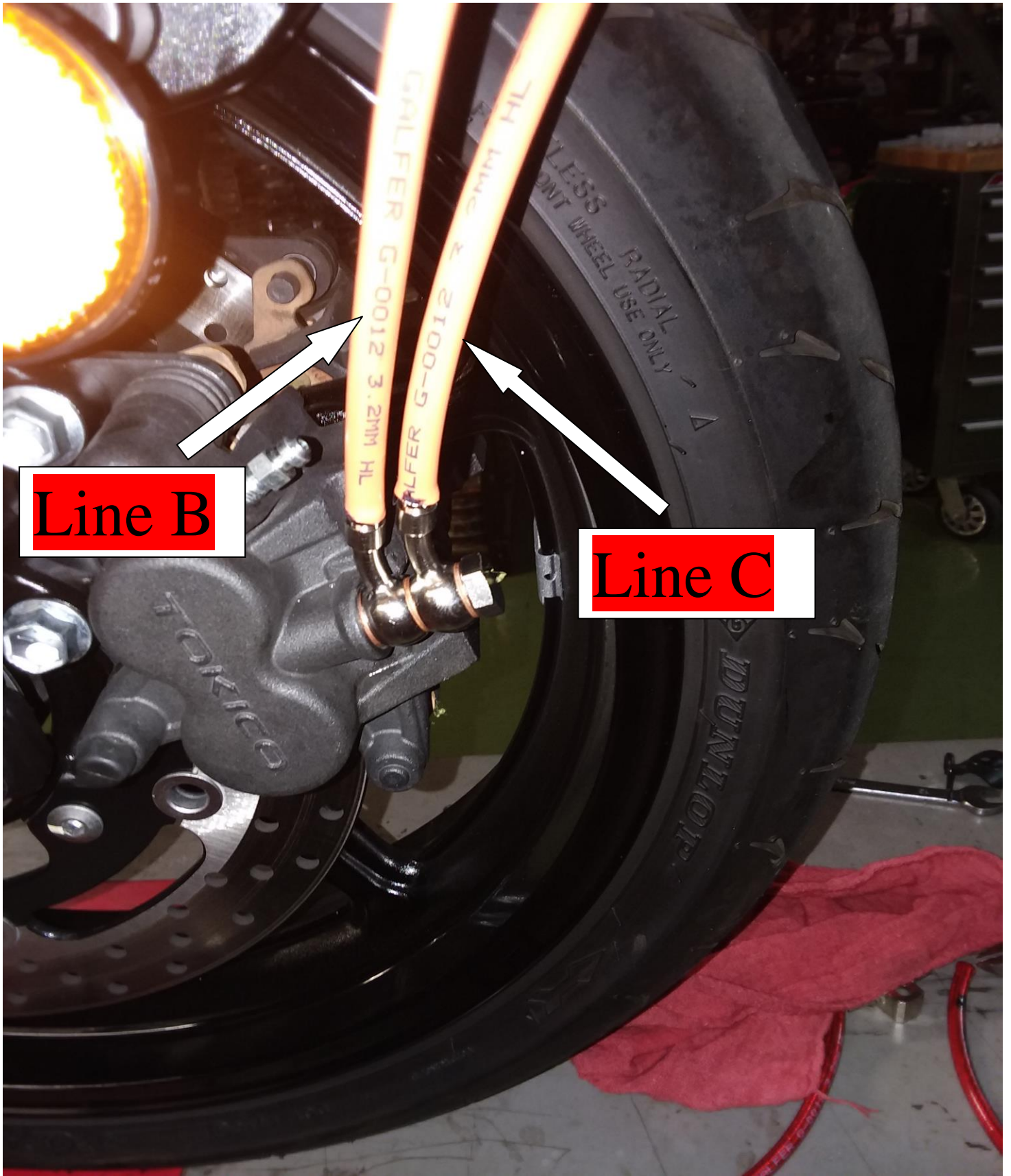


(See figure 2)



(See figure 3)





(See figure 4)





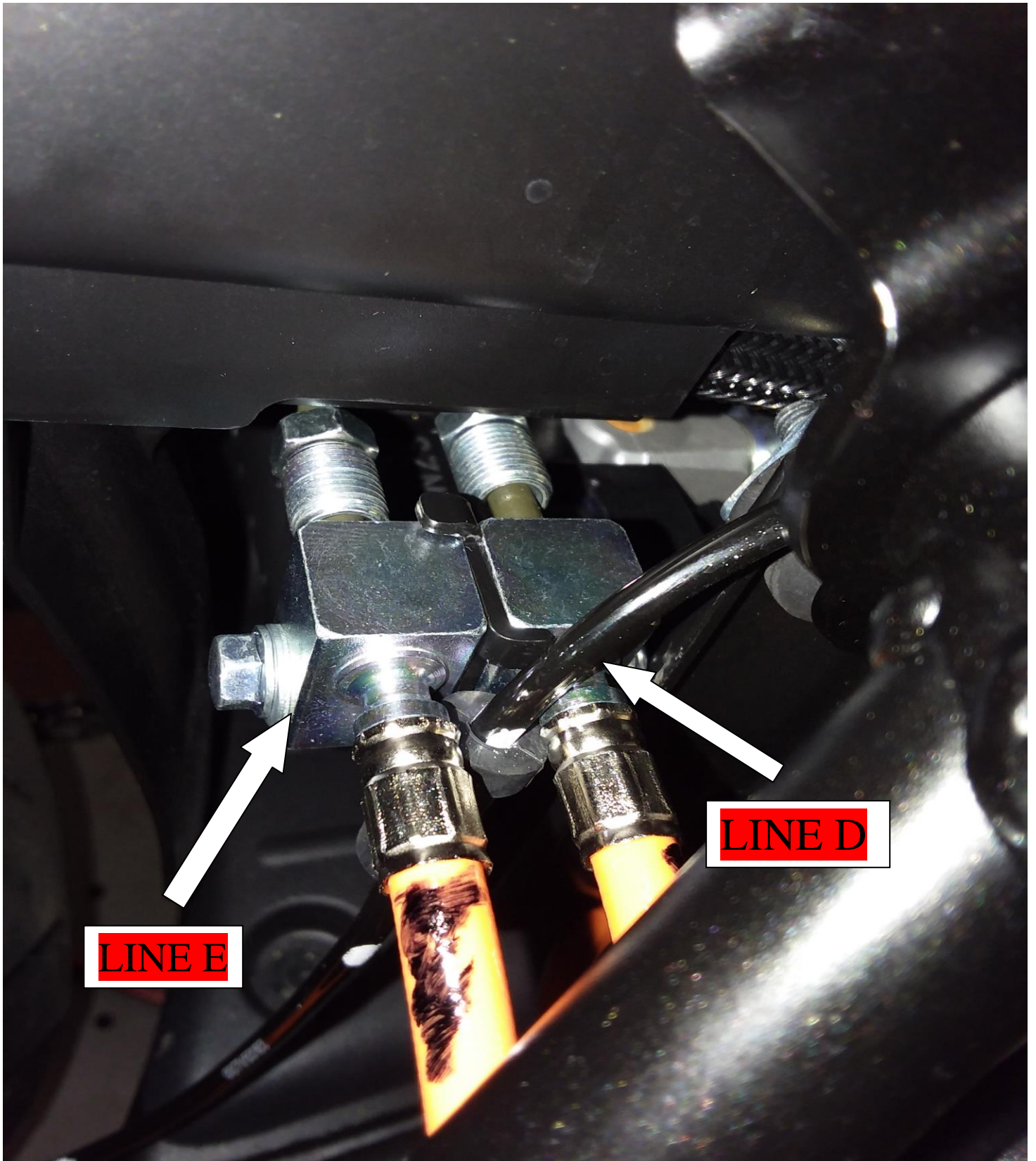
Galfer grommet to be installed here in factory line holder

(See figure 5)



(See figure 6)



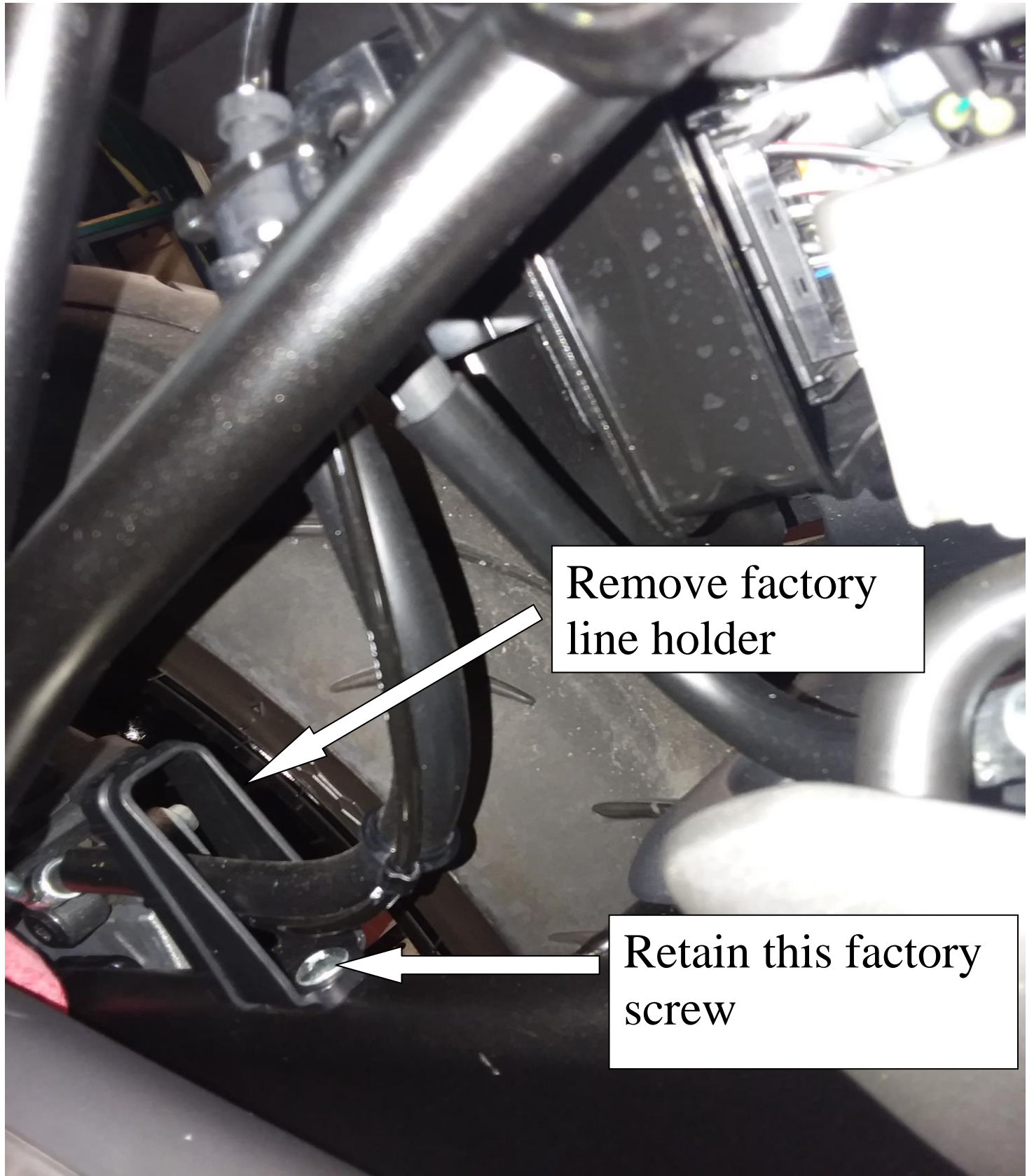


(See figure 7)



(See figure 8)

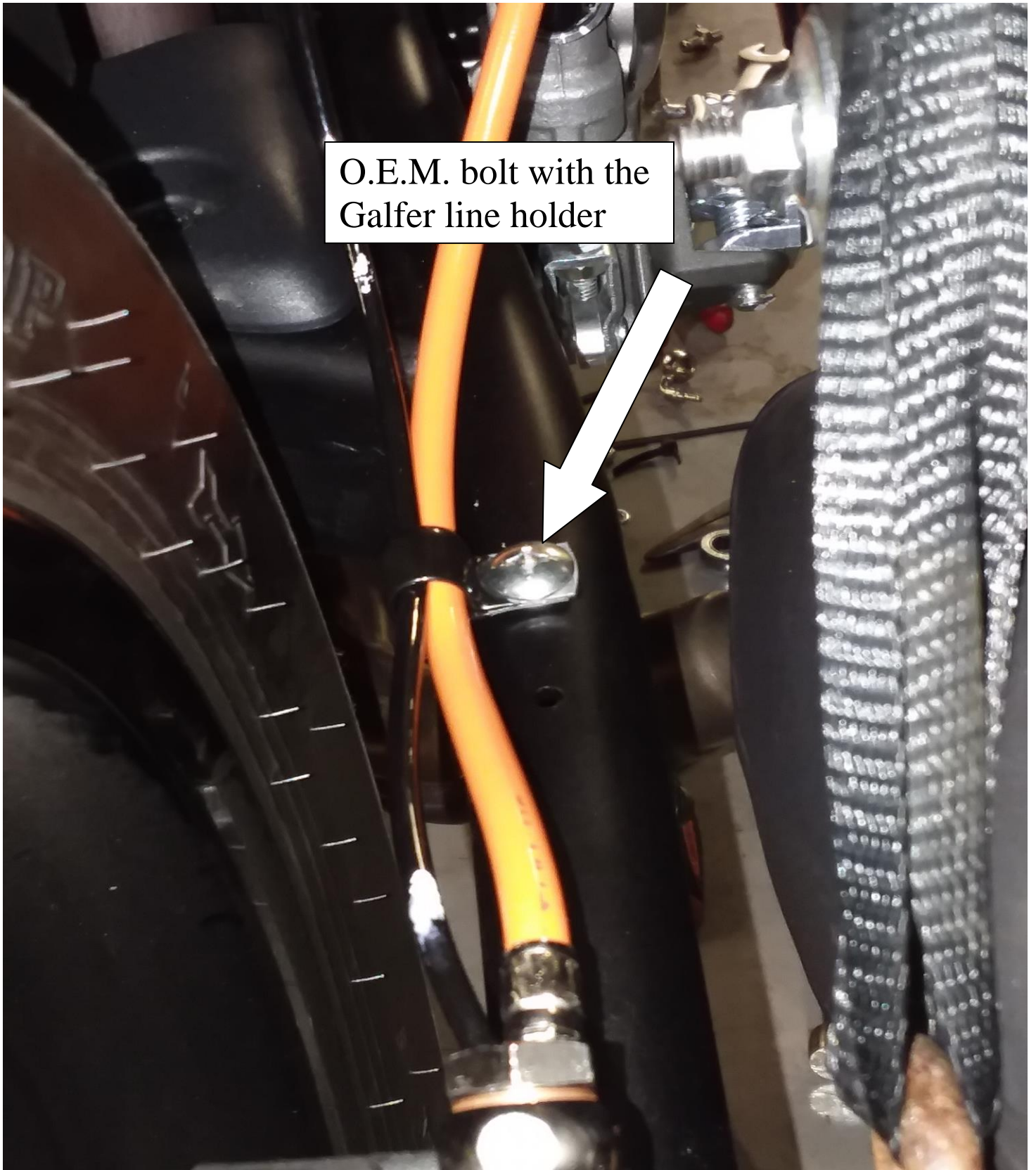




Remove factory  
line holder

Retain this factory  
screw

(See figure 9)



O.E.M. bolt with the Galfer line holder

(See figure 10)