



Yamaha FZ-10 2017 ABS

Mounting instructions

S-YA0311 complete kit

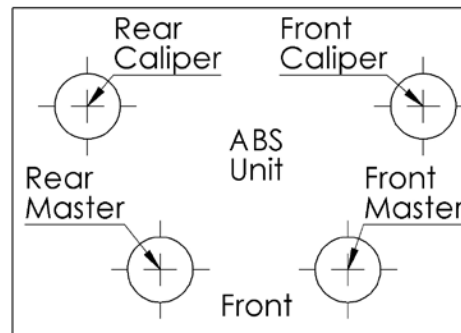
Thank You for purchasing Spiegler Brake Lines, made from the highest quality components on Planet Earth!!

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 banjo bolt torque specs and fitting rotation instructions (blue blocks & gray rod), for all other specifications, disassembly, reassembly and bleeding procedures refer to your OEM service manual.

Product Contents with Description

- Top Line: Front Master cylinder to ABS module (Master cylinder labeled M/C 1st)
- Front Line: ABS module to front 3-way manifold.
- Left Caliper Line: labeled left caliper
- Right Caliper Line: labeled right caliper
- Rear Master Cylinder Line: labeled rear MC
- Rear Caliper Line: labeled rear caliper
- 1x 3-Way Manifold
- 5x loop clamps
- 1x M6x30, 2x M6x25 bolts
- 4x M6 Nylock nuts
- 2x 10mm Aluminum Spacers
- 2x cable ties
- 20x 10mm crush washers



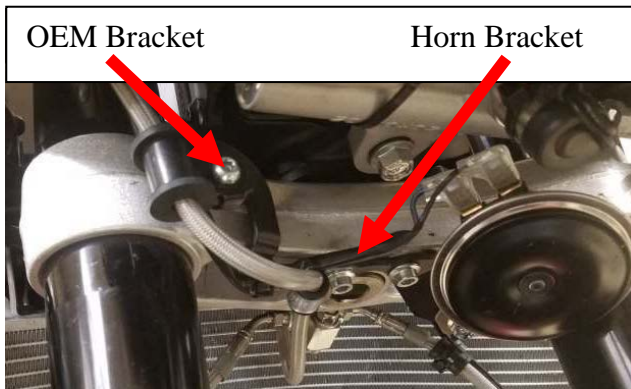
Installation of the Front Spiegler Brake Lines:

- In order to install your new Spiegler brake lines, all of the OEM brake lines including the hard lines will need to be removed. Do not discard OEM bracket mounts as they are needed for installation.
 - We recommend the use of a line wrench as the OEM connections are very tight and stripping of the nut is possible.
 - The seat, fuel tank, rear tank support, and airbox should be removed for installation of the brake lines. It is recommended that the radiator be removed as well, but is not required.
- The image to the top right show the locations of each line that mounts to the ABS unit. The fittings that mount to the ABS unit are the short straight type.

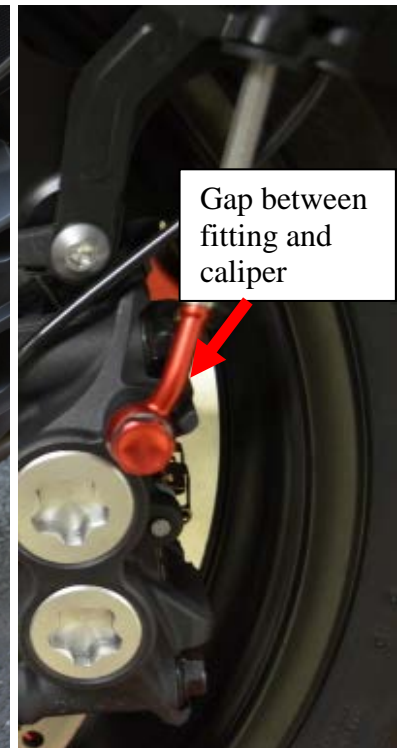


- Route the top line and the front line through the frame to the ABS unit, and then feed the remaining part of the line up through the front part of the frame. Using 2 loop clamps, aluminum spacer and nut/bolt mount the 2 lines together in the same location under the tank that the OEM lines were mounted.
- The top and front line are routed through the OEM clamp with the black rubber in between for protection. The rubber on the top line is to be extended enough to offer protection between the line and the male fitting going into the 3-way manifold. Connect the front line to the 3 way manifold.
- Mount the 3-way manifold to the OEM clamp using a supplied bolt and nut.

- Secure the top line in 2 places using the OEM bracket to the triple clamp and a supplied loop clamp to the horn bracket mounting bolt. Finish routing the line up to the master cylinder and attach cables using OEM line clips.



- Mount left/right caliper lines to the calipers and 3-way manifold using the OEM brackets and mounting locations. Use OEM line clips to attach ABS sensor.
 - The left caliper line does not need to be tightened against the cast stop on the caliper. A piece of plastic may be placed in between the fitting and stop during tightening to allow for better alignment with the OEM mounting bracket. Remove the plastic when fitting is fully tight.

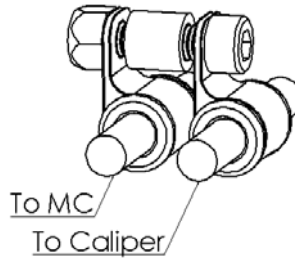


Installation of the Rear Spiegler Brake Lines:

- In order to install your new Spiegler brake lines, all of the OEM brake lines including the hard lines will need to be removed.
 - We recommend the use of a line wrench as the OEM connections are very tight and stripping of the nut is possible.
- The OEM bracket that holds the rear lines will need to be cut along the line shown in the picture to the left. It is also recommend that the bracket is painted after the modification to prevent rust.



- The lines will be secured to the bracket utilizing 2 loop clamps, aluminum spacer, nylon nut, and OEM bolt.
- Route the rear caliper line to the caliper with the hard coating going through the swingarm guides. Loop the ABS unit side of the line back to the ABS unit as shown in the picture below. Make sure the bend radius in the line is not too tight.
- Mount the rear master cylinder line in the same fashion looping it back to the ABS unit making sure the bend radius in the line is not too tight.
- Secure the lines using the OEM mounting brackets.

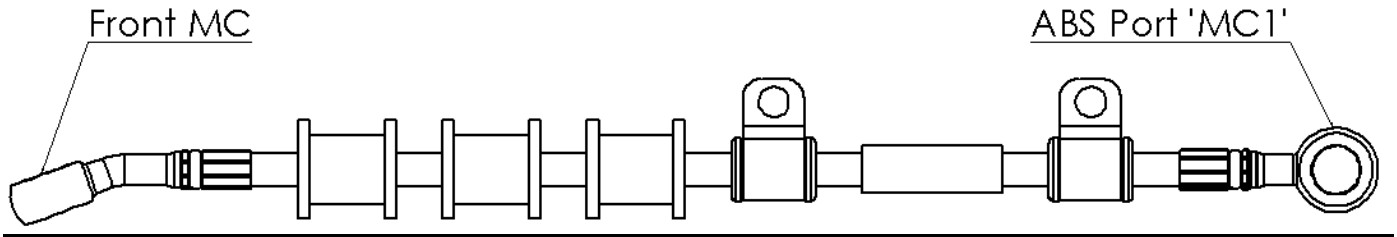


Be sure and check all lines for any binding or chafing when turning from left to right, or compression of the front and rear suspension. All Spiegler banjo fittings can be rotated per the instructions on the back of the inlay card to eliminate line twist and insure a proper installation.

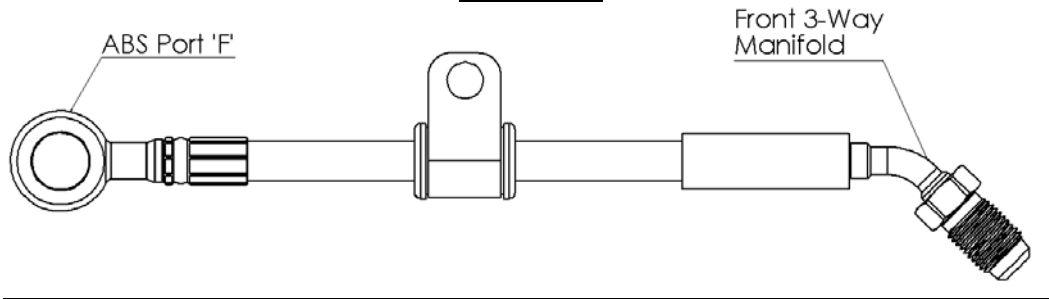
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Front Lines

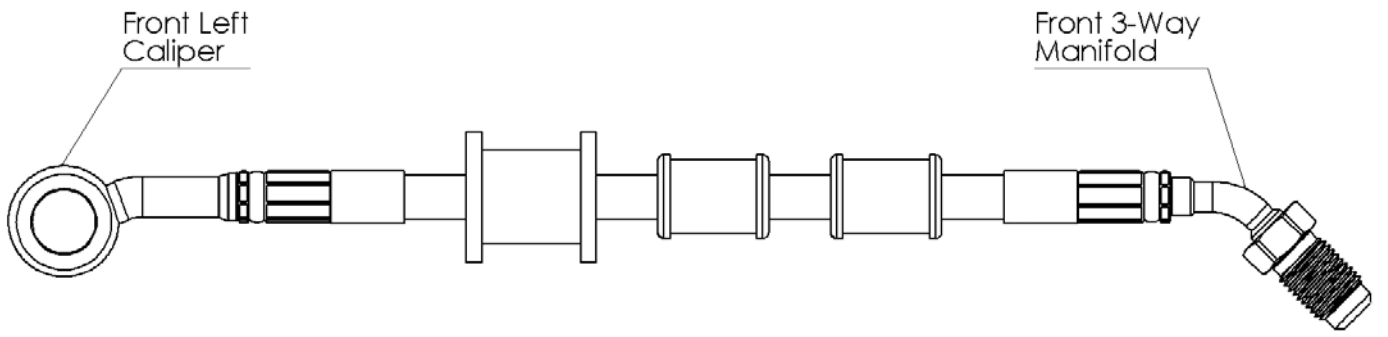
Top Line



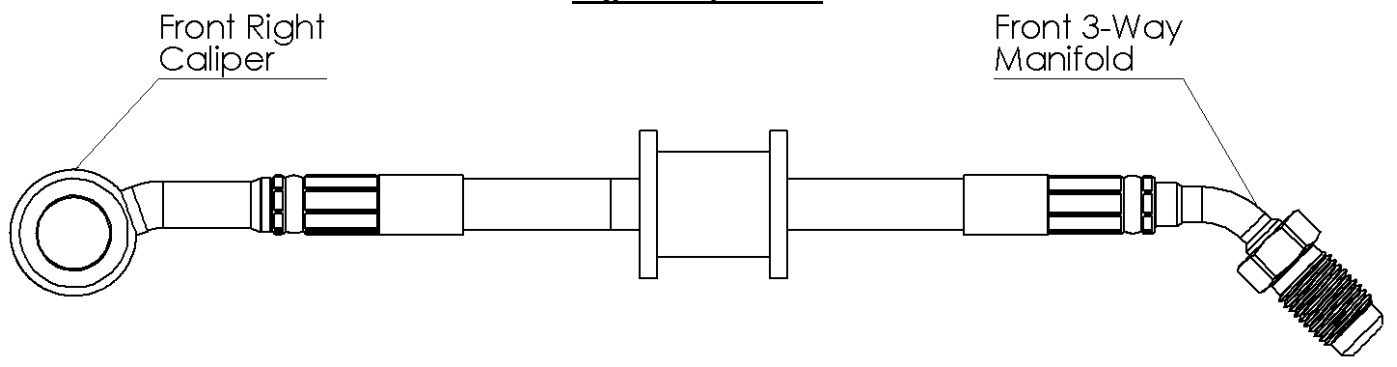
Front Line



Left Caliper Line

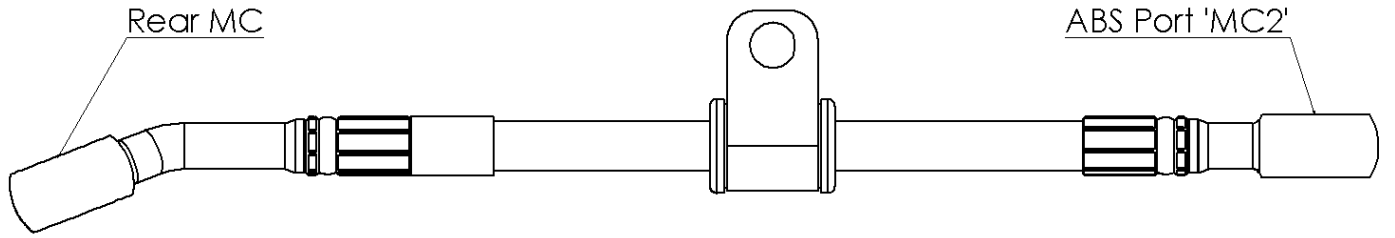


Right Caliper Line

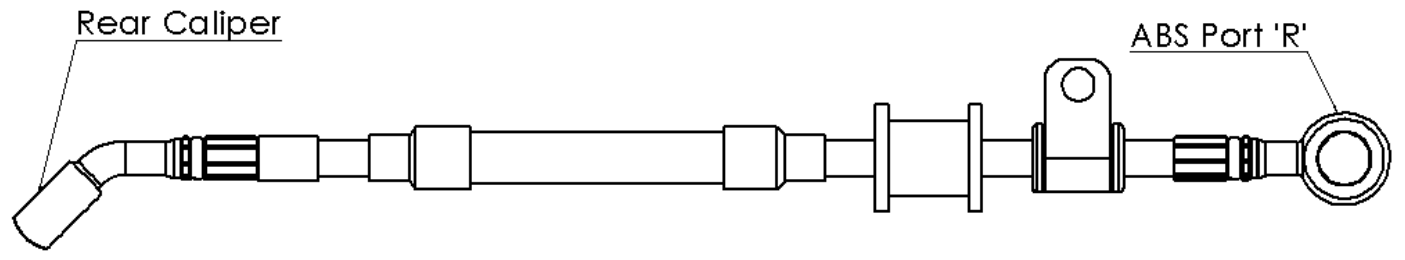


Rear Lines

Rear Master Cylinder Line



Rear Caliper Line



Loop Clamp Directions

