REKLUSE®
SlaveCylinder

INSTALLATION MANUAL

Manual Slave Cylinder Kit
For YZ450 with GYTR Hydraulic Kit

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Contents

IMPORTANT!

This product requires the GYTR master cylinder, throwout rod, and clutch line:

Yamaha part #BHR-F63A0-V0-00.

INSTALLATION TIPS

- Read this entire document before performing any steps.
- Protect eyes and skin—wear safety glasses and work gloves.
- If using brake fluid (see following note), use a new, unopened container when replacing the fluid.
- Use the torque values listed in the instructions. Otherwise, use the torque specifications found in your OE service manual.

CLUTCH FLUID TYPE

Every O-ring seal in the clutch control system is compatible with ***ONLY ONE*** clutch fluid type and ***CANNOT*** be used interchangeably. Read the information located on your bike's clutch fluid reservoir cap to determine which fluid system was installed with your bike.

⚠CAUTION

Failure to use the correct clutch fluid type will cause seal damage.

TOOLS NEEDED

Wrench set
Rubber gloves and safety glasses
Clutch fluid, compatible with your bike
8 mm deep-well socket

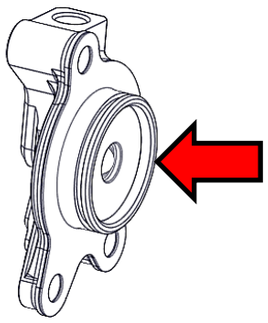
INCLUDED PARTS

Refer the the included fiche or our website at www.rekluse.com/support for a full parts fiche diagram and part numbers.

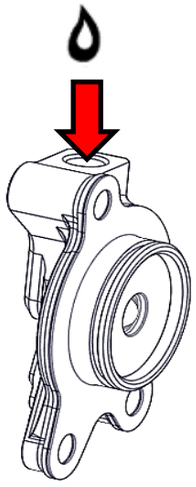
BLEED THE NEW SLAVE CYLINDER

On a workbench (away from the engine), bleed the Rekluse slave cylinder. The manual slave cylinder that comes in your kit may look different than pictured.

1. Using your thumbs, compress the slave cylinder piston until it bottoms out and hold it there.

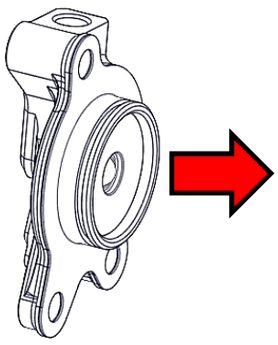


2. While holding the slave cylinder piston, pour the appropriate clutch fluid into the slave cylinder port until it is full.



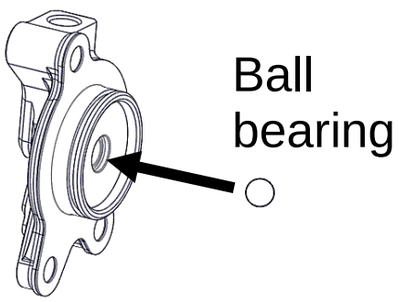
Note: *When compressing the piston, fluid can shoot out from the slave cylinder port. Be sure to wear eye protection.*

3. Release the piston and allow it to pull the fluid into the slave cylinder.



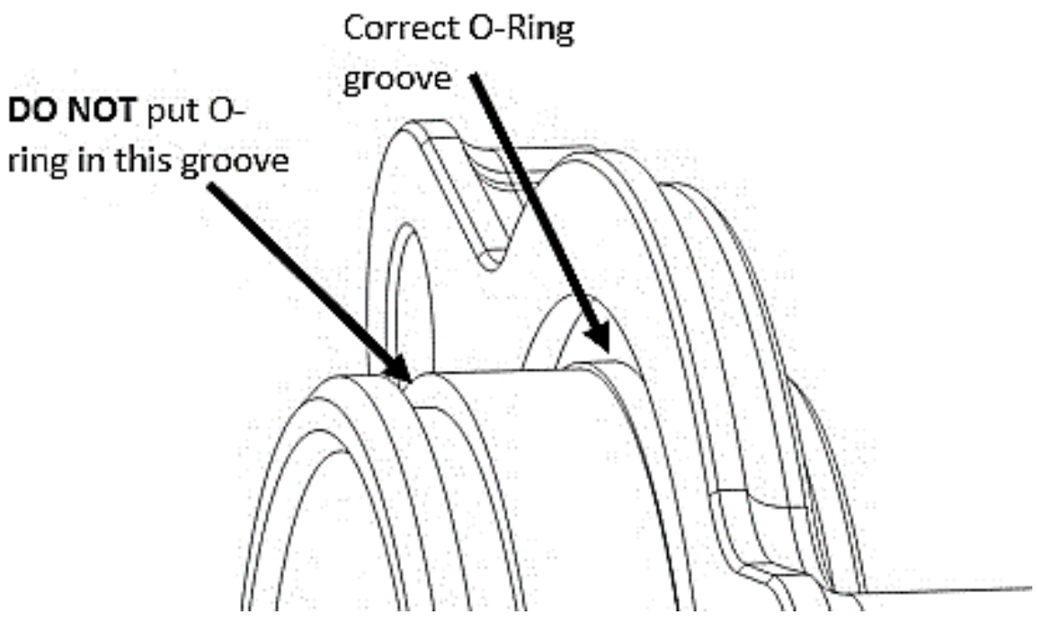
4. Repeat this process until the slave cylinder remains full when the piston is released.

Note: *There is a ball bearing installed in the slave piston with a small amount of grease. Confirm that this ball bearing is still inside the piston before installing it on the bike.*



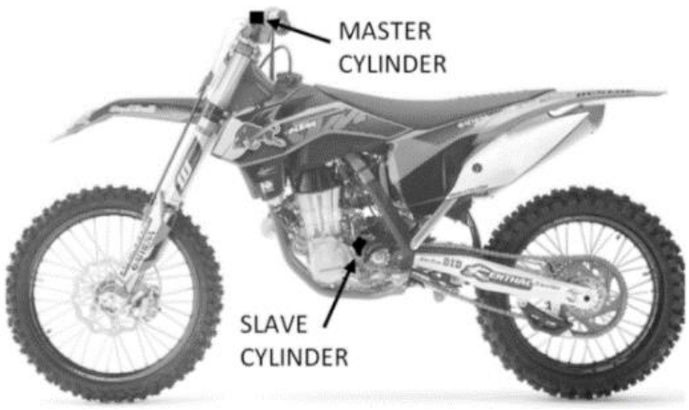
NOTICE

If you need to install the case sealing O-ring seal (OE or Rekluse supplied), make sure it is seated against the slave cylinder flange.



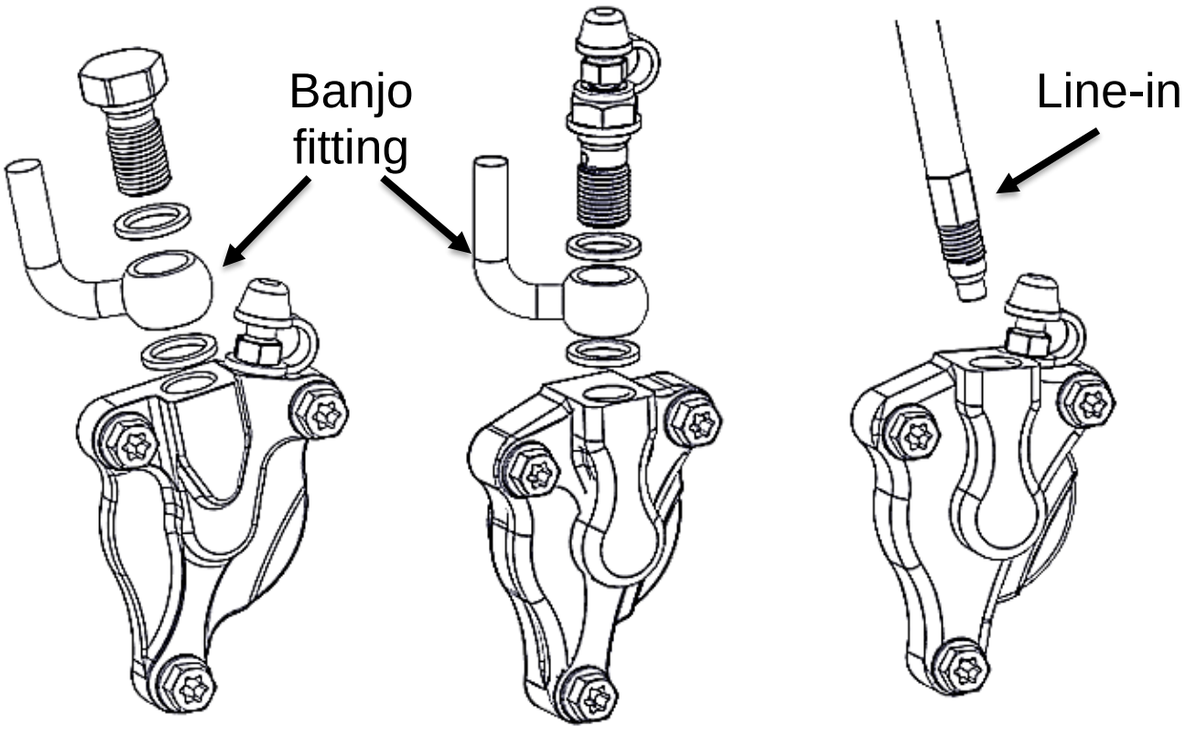
REPLACE THE OE SLAVE CYLINDER

1. Stand the bike up and lean it on its kickstand, or place it on a suitable bike stand. Catch any fluid that might drain into a suitable container.



2. On the left side of the bike, while leaving the OE slave cylinder intact on the engine, remove the banjo bolt and the 2 OE crush washers (or the fluid line-in) from the OE slave cylinder (depending on your bike model). Discard the OE crush washers.

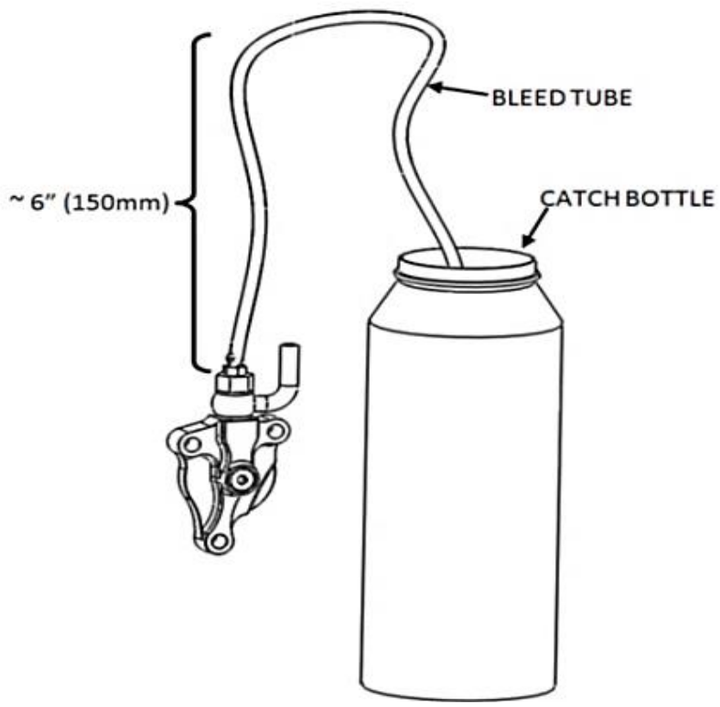
Note: *The configuration of the fitting depends on the bike model. See examples below.*



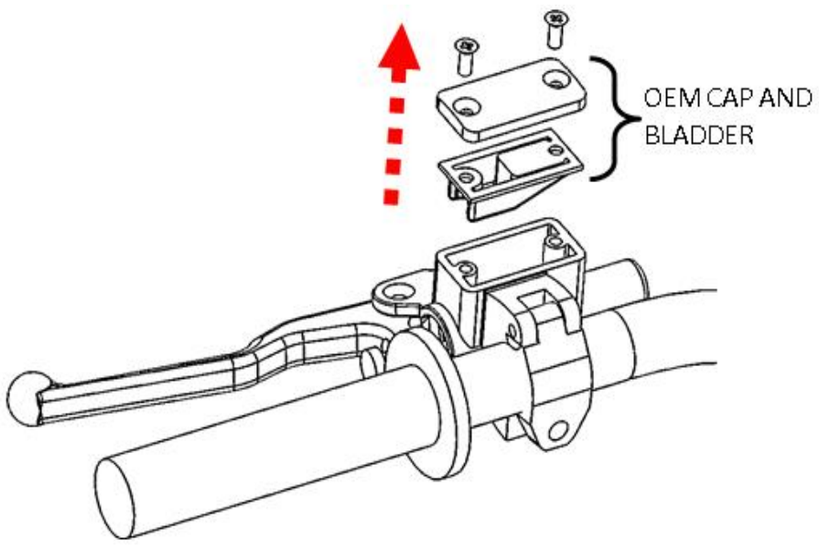
3. Attach the clutch fluid line to the Rekluse slave cylinder using the OE banjo bolt and the 2 new Rekluse crush washers (if applicable). Make sure the banjo fitting is sandwiched between the 2 crush washers.
4. Tighten the banjo bolt with your hand until snug. (You will torque it to spec once installed on the bike.)
5. With the clutch fluid line attached to the Rekluse slave cylinder, remove the OE slave cylinder from the engine. Keep the OE bolts for reuse.
6. Mount the Rekluse slave cylinder to the engine using the OE bolts, returning each to its original location. Torque to OE specifications.
7. Torque the banjo bolt to OE specification.

BLEED THE CLUTCH LINE

1. Attach one end of the supplied bleed tube to the bleeder screw port, then loop the opposite end into a suitable catch bottle.

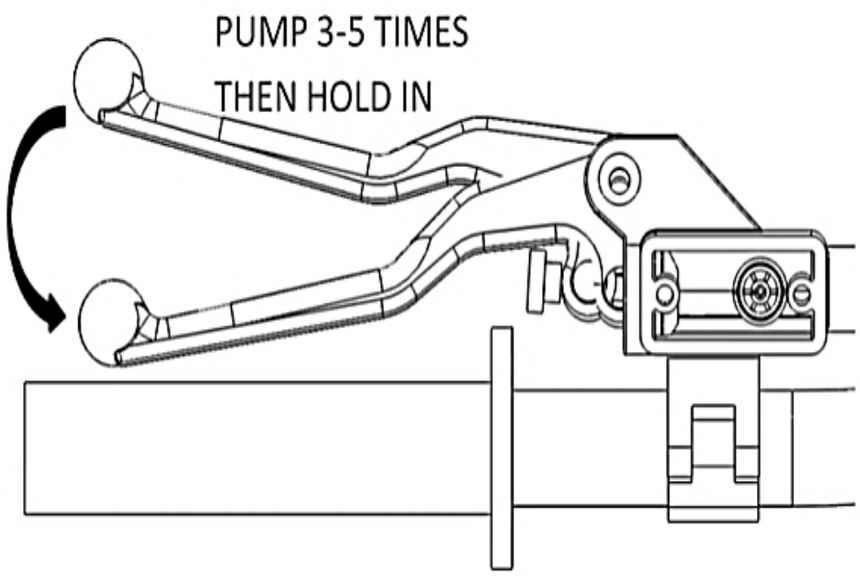


2. On the handlebar, remove the cap and bladder from the clutch master cylinder. Adjust the reservoir so it is level with the ground.

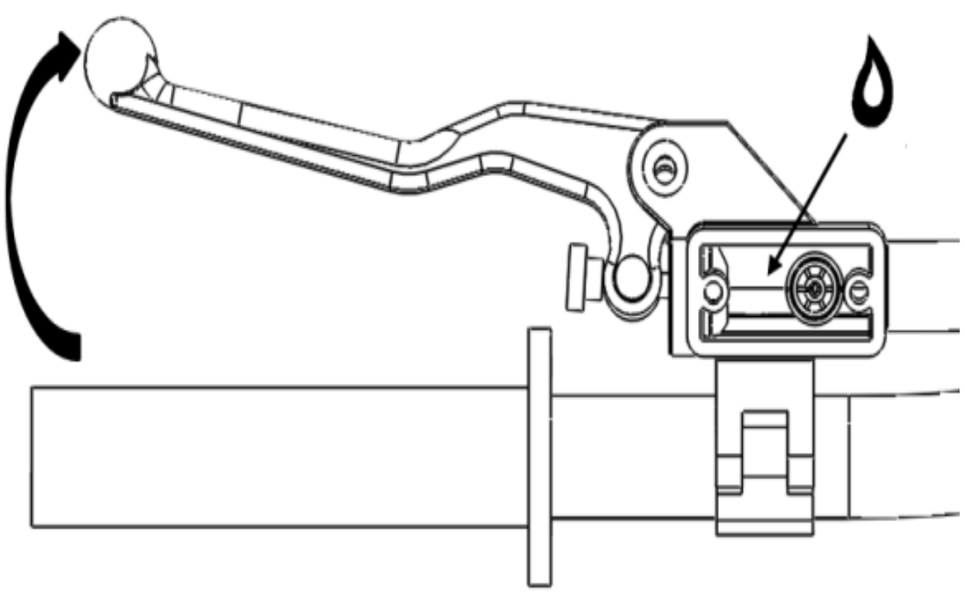


3. Top off the master cylinder with the recommended clutch fluid.

4. Pump the clutch lever 3 to 5 times, then hold it against the handlebar/grip.

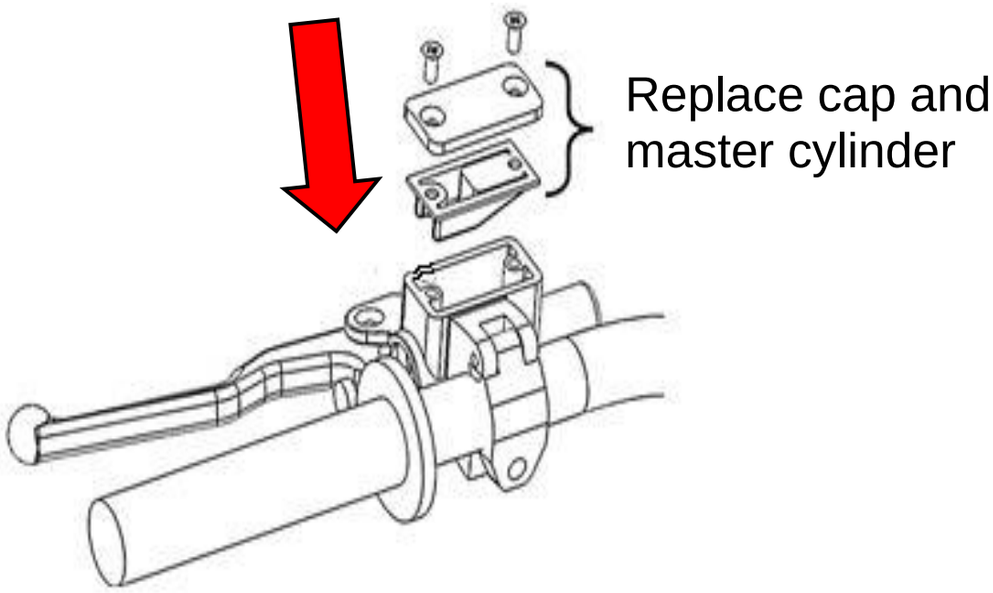


5. While still holding the clutch lever in, use a wrench to open the bleed port. Air and fluid should flow from the bleed tube into the catch bottle.
6. Before releasing the clutch lever, tighten the bleeder screw.
7. Slowly release the clutch lever and check the fluid level in the clutch master cylinder. Top off if necessary.



8. Repeat steps 4 - 7 until air no longer comes out of the bleed tube and the clutch feels normal.

9. Check that the clutch master cylinder is 75% full, then replace the cap and bladder.



10. Remove the bleeder tube from the bleed bolt and remove the bottle.

11. Torque the bleeder screw to **150 in-lb (17 N-m)** with a socket or the closed end of an 8 mm wrench.

Note: *Be sure to use a socket or closed-end wrench when torquing the bleed screw. Using an open-ended wrench can strip the hex screw*.

12. Finally, install the rubber dust cap over the bleeder screw.

NEED ADDITIONAL HELP?

Website
www.rekluse.com/support

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(208) 426-0659

Monday thru Friday: 8 am – 5 pm Mountian Time

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