



Suzuki FA50 Moped Rear Brakes Replacement

A how-to manual for installing a fresh set of rear brake pads on the Suzuki FA50.

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TOOLS:

- [3/8" Drive Ratchet](#) (1)
- [10mm Socket](#) (1)
- [Socket 12mm](#) (1)
- [Phillips #2 Screwdriver](#) (1)

Step 1 — Exhaust Pipe



- Use a #2 Phillips screwdriver to remove the heat shield from the muffler.

Step 2



- ⓘ There are two 10 mm hex nuts attaching the muffler to the engine. Make sure you remove both of them before proceeding to the next step.
- Use a 10 mm socket wrench to unscrew the two hex nuts.

Step 3



- Use a 12 mm socket wrench to unscrew the third and final hex nut that holds the muffler in place.
- ⓘ Make sure to support the muffler with your hand while removing this nut, otherwise it may just fall to the floor.

Step 4 — Rear Brakes



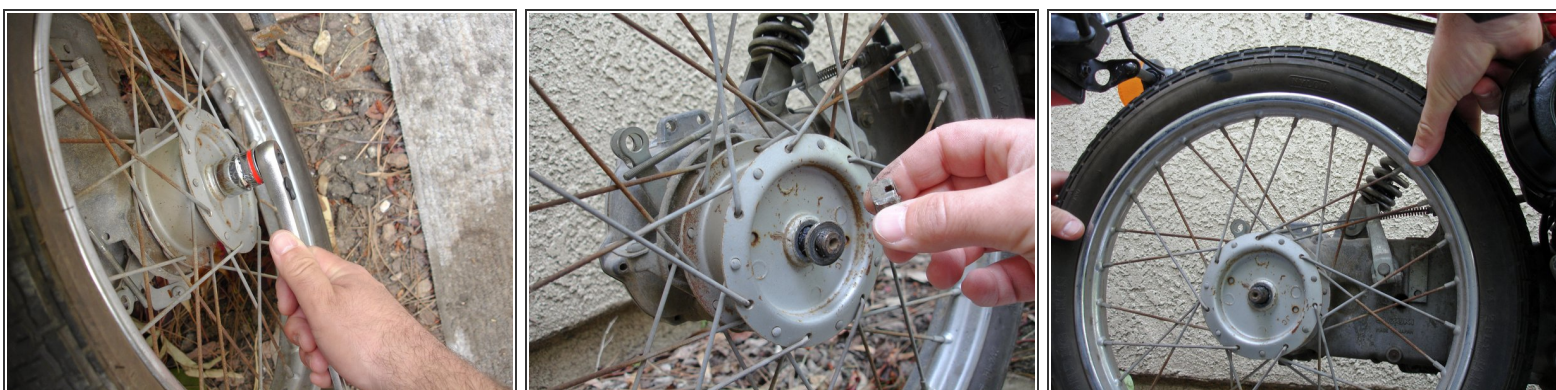
- Use a pair of needle-nose pliers to straighten the rear wheel retaining pin.
- Pull the fat end of the pin out with needle-nose pliers as you hit the other end through with a hammer.

Step 5



- Use your fingers to unscrew and remove the brake cable adjustment nut.
- Slide the brake cable retaining bracket out of the brake arm.


Step 6



- Use a 22 mm ratcheting socket wrench to remove the lug nut.
- Pull the rear wheel off of the axle.

Step 7



 At this point you should suit up, as it's gonna get nasty. Solvents used for cleaning brake hardware are harmful to skin. Always wear gloves when dealing with these chemicals.

Step 8



- Thoroughly spray the the brake shoe assembly and inside of the brake drum with a brake cleaning solvent.

Step 9



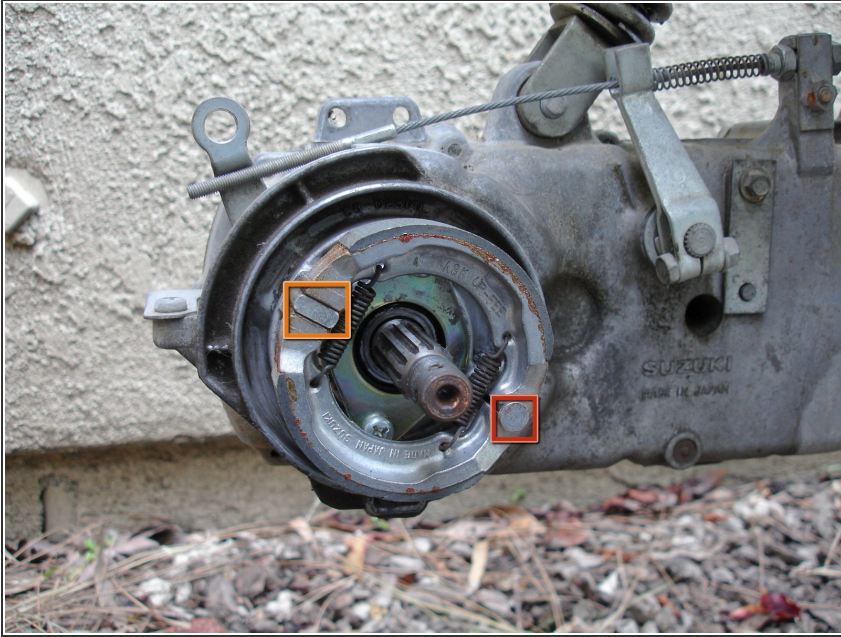
- Once the solvent has had a chance to work its magic (10 minutes or so), use a rough-grit sandpaper (100 grit or so) to clean the inner diameter of the drum. Rinse and repeat until you are satisfied with the cleanliness of the drum.

Step 10



- Attach the two brake shoes and springs together. First put both springs through one of the shoes, then loosely attach the other side of the springs to the other shoe.
- Apply silicone grease to the round and flat bolts on the brake drum assembly.

Step 11



⚠ Be careful with this part, as the brake shoes are under load. It took me a couple of tries (and different methods) to accomplish this properly.

- Carefully spread apart the round side of the brake shoes and place them through the round bolt on the brake drum assembly.
- Then, spread apart the flat side of the brake shoes and place them through the flat bolt on the brake drum assembly.
- The shoes should now be sitting as shown.

Step 12



- Place the wheel back on the axle. Make sure that the thread of the axle matches up to the thread of the wheel.

Step 13



- Replace and tighten the 22 mm lug nut with a ratcheting socket wrench.
- Use a hammer and pair of vise grips to slide the wheel retaining pin back into place.
- Follow the directions in step 2 in reverse order to reattach the brake cable.
- Adjust the brake cable adjustment nut as necessary. The rear brake lever should be about 0.8" to 1.0" away from the handlebar when fully engaged.