



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:**

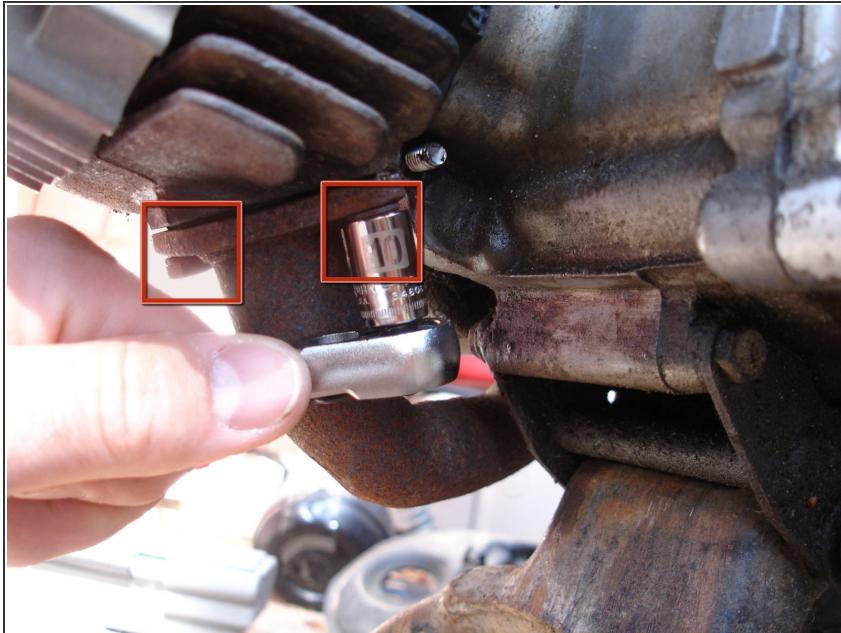
- [3/8" Drive Ratchet \(1\)](#)
- [10mm Socket \(1\)](#)
- [Socket 12mm \(1\)](#)
- [Phillips #2 Screwdriver \(1\)](#)

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.
- *(i)* 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



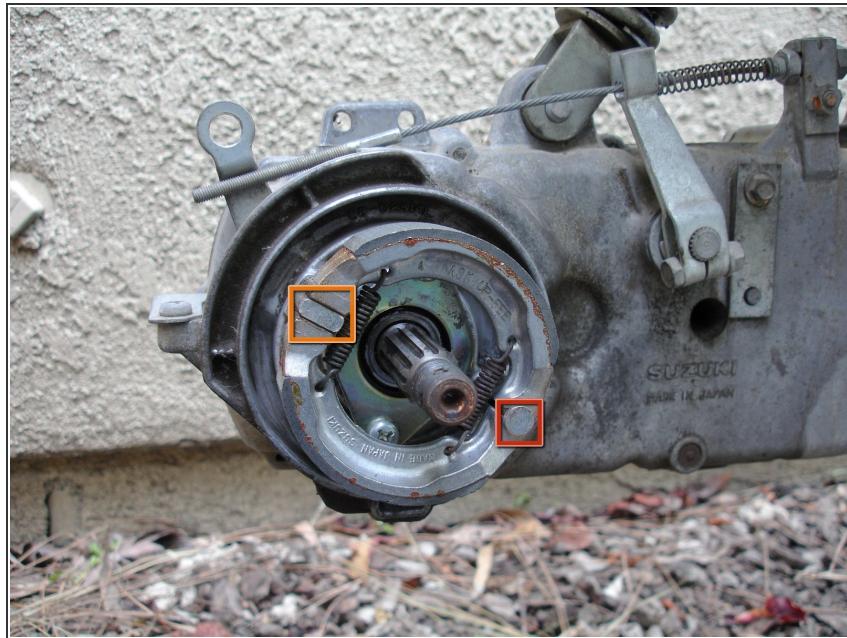
- Once the solvent has had a chance to work its magic (10 minutes or so), use a rough-grit sandpaper (100 grit or so) to clean the inner diameter of the drum. Rinse and repeat until you are satisfied with the cleanliness of the drum.

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.