

Maintenance

Change Brake Fluid (Complete Version)

Tools and Accessories Required:

- 2 Empty cans for fresh & used fluid
- DOT. 4 Fresh brake fluid, 25 cc
- Open wrench, 8mm
- Minus screw driver
- Allen wrench 3, 4, 5 mm
- 20cc injector, M5 & M7
- Tissue paper
- Spacer, 10.5 mm thick
- Rubber band



MUST use CCI **DOT. 4** brake fluid, compatible with other brands of DOT4.. Using other fluid will cause brake system malfunction!!

Step 1. Place the bike in a steady standing position.

Step 2. Adjust brake lever with 4mm Allen wrench, letting the fluid filling hole upright.

Step 3. Remove the caliper from the front fork or dropout, leaving the adapter on the fork/frame.

Step 4. Insert a “minus screw driver” into the gap of brake pads, and then push the brake pads back to the bottom. Side-push the old pad and pull it out, repeat again to remove the other pad. Pull the return spring out and clean pad recess of caliper. [Photo 1]

Step 5. Insert 10.5mm spacer between two pads, and tighten it with rubber bands. [Photo 2]

Step 6. Remove the drain bolt on the caliper with a 8mm open wrench. Insert empty M7 injector. Remove the fluid-filling bolt and insert a M5 injector with full 25c.c. fluid. [Photo 3,4,5,6]



NOTE

NOTE!!

When installing injector, turn the steel screw, not the plastic part of the injector. Or the plastic joint may be break.



Step 7. Push the plunger of M5 injector, refueling fluid into the brake system, but leave about 5c.c. fluid in the M5 injector to avoid the air get into the brake system. Simultaneously, the used fluid will come out into the M7 injector.

NOTE

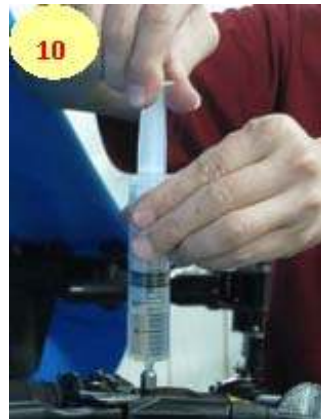
PRECAUTION!!

1. Before removing M7 injector, press slightly on the injector to make sure the reservoir fills entirely under positive pressure.
2. Dispose of the used fluid properly and clean off all residual brake fluid.



Step 8. Then move the caliper to about the same height as the brake lever. Remove and tighten drain bolt back with 8mm Open wrench. (Tightening torque 120kg-cm)
[Photo 7,8,9]

Step 9. Repeat pull-press procedure on M5 injector several time to suck out the air until there are no bubbles coming out. Then tighten the fluid-filling bolt. (Tightening torque 20~30 kgf-cm) Clean the over flowing or leak fluid on the lever bracket with a wet tissue paper. [Photo 10,11]



NOTE

PRECAUTION!!

1. If air bubbles come out continuously and very fast, it is possible that the sealing of the injector is not good. Please make the injector tighter (or use a 8mm open wrench).
2. Leave at least a little fluid inside injector to avoid air getting into the injector getting into brake system again during pressing and pulling the injector.
3. Hold the outer body of injector and actuate the plunger of the injector to prevent the plastic part from breaking during pressing and pulling the injector.
4. The duration of pulling is about 5 seconds and pressing is about 3 seconds.
5. Check the o-ring and the fluid-filling bolt to see if they are still good or not. If either one is damaged, it HAS TO change to a new one.

Step 10. Remove the 10.5mm spacer. Then follow the 【Pad Replacement Manual】 Step 2-6.

Step 11. After reassembling caliper, depress brake lever several times. If the braking feeling is stiff, it means the brake system is ready for service. If not, there may be some air bubbles inside the brake system. Then, follow the [Adding Brake Fluid Manual] Step3 - Step6.



NOTE

Note:

1. After a certain period of time, the temperature resistance of the brake fluid will be decreased. For safety, it is necessary to change the brake fluid periodically about every 2 years.
2. Every bolt should be fastened to the correct torque in the operation. Strongly suggest using a torque wrench to assemble all parts.



WARNING!!

1. Promax strongly suggest that this bleeding services is performed **ONLY** by qualified professional mechanics that are familiar with and understand the technical details of how this product works.
2. Never use the brake fluid other then DOT#4 Series or add any mineral oil to "PROMAX" hydraulic disc brake. Otherwise, the oil seal in the hydraulic system will be damaged and braking function may be lost.
3. DOT.4 brake fluid will corrode paint. If the fluid come out on the blade or caliper, use a wet tissue or towel clean it **IMMEDIATELY**.
4. The DOT 4. may be dangerous to your skin and eyes. Do wear appropriate work clothes, gloves and goggles.