

FILLING/BLEEDING THE HYDRAULIC SYSTEM WITH BRAKE FLUID

NOTE: Compatible with **mineral-based** fluid only, such as Shimano-brand brake fluid for bicycles.

DO NOT use any DOT brake fluid!

1. Fill both syringes with mineral-based brake fluid to about 80% full, then set both syringes aside.

On the master cylinder assembly, remove the master cylinder reservoir cover.

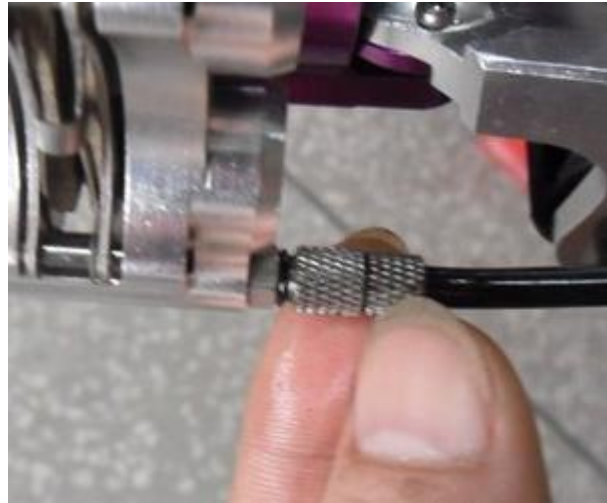


2. Prepare the RIGHT SIDE brake caliper for filling/bleeding by loosening the knurled filling cap located at the bottom of the caliper assembly counter-clockwise.

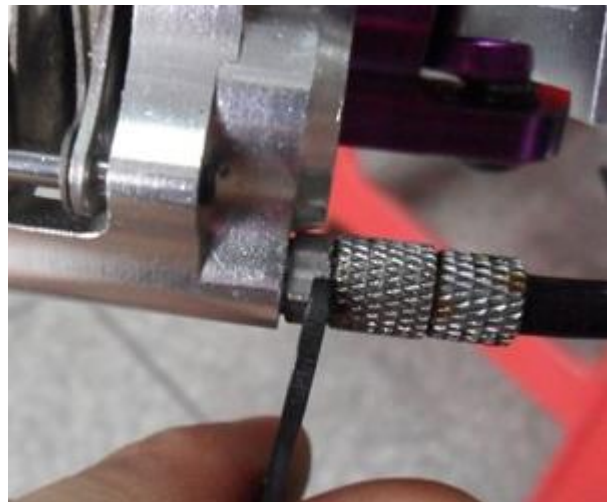


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3. Get one of the filled syringes. Attach the filling hose to the brake caliper filling cap as shown, and tighten the nut snug (do not overtighten the hose fitting)



4. Using an open wrench, turn the hex-shaped filling nut ONE FULL TURN counter-clockwise.



5. Hold the syringe upright so that any air inside the syringe is at the top. Slowly fill the RIGHT SIDE brake caliper with fluid. Stop when fluid begins to enter the master cylinder reservoir.



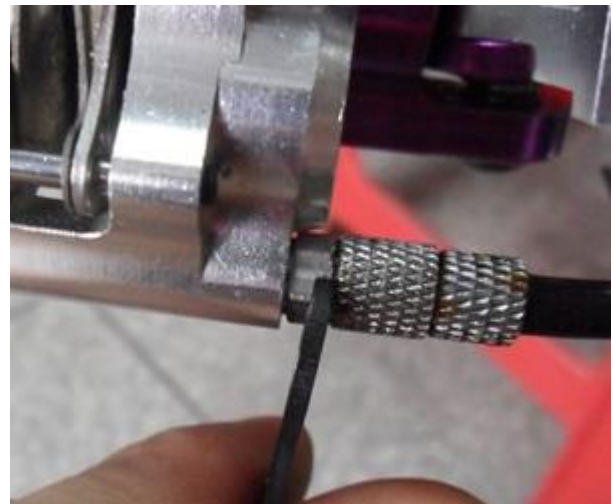
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6. You will see some bubbles in the master cylinder reservoir along with brake fluid. Continue pressing the syringe plunger until no more air bubbles coming out with the fluid in the reservoir. Do not pull on the plunger at any time, or you will pull air into the lines and you'll have to restart the process.

NOTE: During this step, some fluid may overflow the reservoir – this is okay, just use a paper towel or a rag to absorb the extra fluid.



7. After filling the RIGHT SIDE brake caliper with fluid, turn the hex-shaped filling nut ONE FULL TURN clockwise until the nut is tight.



8. You can now disconnect the RIGHT SIDE syringe and hose. Don't forget to tighten the knurled filling cap clockwise.



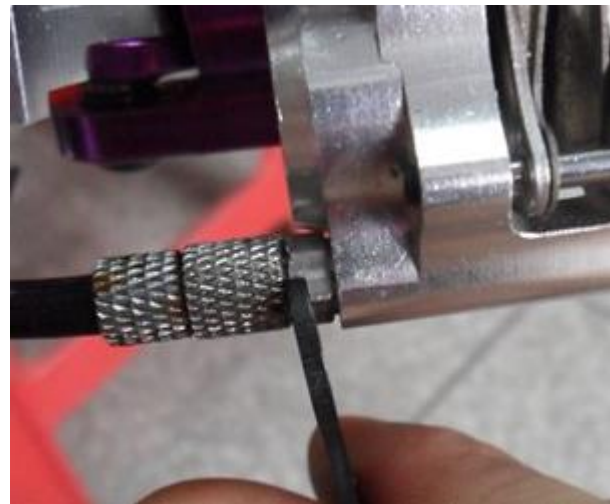
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9. Using the second syringe, repeat steps 2-7 for the LEFT SIDE caliper. Don't forget to hold the syringe upright so that any air inside the syringe is at the top, and do not pull on the plunger at any time.



10. After filling the LEFT SIDE brake caliper with fluid, turn the hex-shaped filling nut ONE FULL TURN clockwise until the nut is tight.

Then disconnect the LEFT SIDE syringe and also tighten the knurled filling cap clockwise.



11. Using one of your syringes, carefully remove any air bubbles in the reservoir by sucking the bubbles up with the syringe.

If the reservoir gets close to empty, add some brake fluid with the other syringe, then continue removing any air bubbles in the fluid until there are no bubbles left.



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12. With one hand, move the master cylinder lever as shown to move the reservoir plunger outward. Add more brake fluid until the reservoir is filled flush to the top. After the reservoir is full, SLOWLY release the master cylinder lever.

NOTE: During this step, fluid may overflow outside the reservoir – this is okay.



13. Reinstall the reservoir bladder into the reservoir. More brake fluid will spill out – this is okay, as you want to keep the reservoir as full as possible WITHOUT any air trapped inside.



14. Finally, install the reservoir cap and mounting screws, and tighten the screws to secure the reservoir cap. At this point the hydraulic system is filled and bled, and ready to use.



(End)