

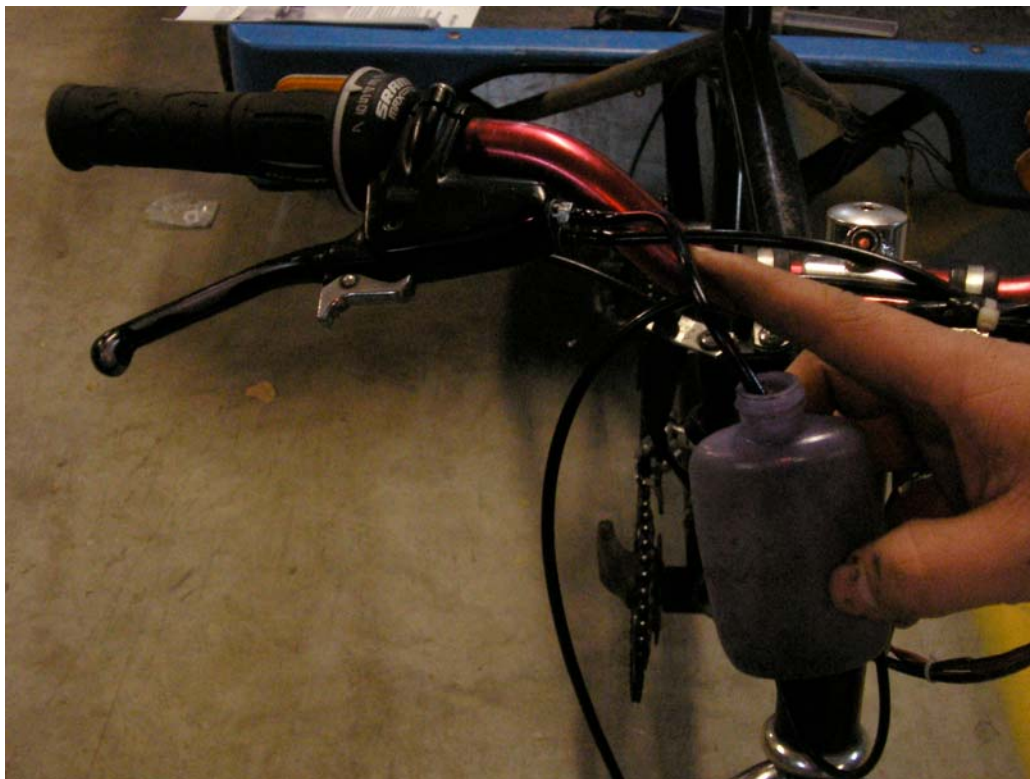
Magura Master Cylinder

Hydraulic brake filling and bleeding for the Magura with locking lever

Note: filling and bleeding of the brake system is not routine maintenance. This procedure is needed only when there is a loss of fluid (a leak in the system) or a line that has been damaged or recently removed. Only DOT 5 silicon brake fluid should be used in the system. In order to bleed or fill the system with fluid or to repair a broken line, follow these steps:

1 The service kit contains everything you will need to bleed the brake system. This procedure must be done with the Pedicab with all three wheels on level ground or with the rear wheels jacked up only a few inches off the ground. A service kit can be ordered from Main Street Pedi-Cabs at a cost of \$12.00.

2 Install a barbed fitting into a black plastic tube by hand. Remove the 5mm bleed screw at the master cylinder lever, and then tighten on the barbed fitting with clear vent tube. Put the tube into the small bottle in order to catch the fluid when it is forced through. This will need to be attached to the handlebar or held by hand. See diagram 1.



4 The master cylinder lever must be turned horizontal on the handlebar so that the bleed screw is at the highest position of the brake system. Next, the small 2mm or 4mm (depending on model) allen adjustment bolt (located directly behind the lever) on the master cylinder must be fully loosened until it stops.

3 Now install a clear tube by hand on the syringe and affix it to the bleeder valve on the rear brake caliper (the bleeder valve is a 1/4" brass screw).

5 Fill the syringe with DOT 5 fluid first, and then loosen the 1/4" brass bleed screw at the caliper one-half turn. Now force the fluid with the syringe through the system until fluid can be seen through the vent tube at the master cylinder lever. Air bubbles will be seen at the vent tube when filling. The bleeding is complete when there are no more air bubbles in the vent tube. After the fluid is forced through the system, tighten the 1/4" bleed screw. This procedure may need to be repeated two times to insure there is no air in the system.



Note: if the procedure is repeated, the 1/4" brass bleeder screw must be tightened before the syringe is removed.

6 Now remove the vent tube from the master cylinder lever and replace the 5mm allen screw. The system is correctly bled when the brake pads move immediately upon movement of the brake lever. If this does not happen, the system must be bled again.

7 Once all connections have been tightened, the master cylinder lever can be adjusted to provide a better brake feel by the 2mm or 4mm adjustment screw that is directly behind the lever. Make sure not to tighten the adjustment screw too much as this will cause the brake pads to drag the disc.

8 Check the entire system for leaks and operation after bleeding the system.

Hydraulic brake filling and bleeding for the Magura Big Lever

Note: filling and bleeding of the brake system is not routine maintenance. This procedure is needed only when there is a loss of fluid (a leak in the system) or a line that has been damaged or recently removed. Only DOT 5 silicon brake fluid should be used in the system.

In order to bleed or fill the system with fluid or to repair a broken line, follow these steps:

1 The service kit contains everything you will need to bleed the brake system. This procedure must be done with the Pedicab with all three wheels on level ground or with the rear wheels jacked up only a few inches off the ground. A service kit can be ordered from Main Street Pedi-Cabs at a cost of \$12.00.

2 Install a barbed fitting into a black plastic tube by hand. Remove the cap of the reservoir using a # 7 torx wrench. See diagram 1.



4 The master cylinder lever must be turned horizontal on the handlebar so that the bleed reservoir is level to the ground.

3 Now install a clear tube by hand on the syringe and affix it to the bleeder valve on the rear brake caliper (the bleeder valve is a 1/4" brass screw).

5 Fill the syringe with DOT 5 fluid first, and then loosen the 1/4" brass bleed screw at the caliper one-half turn. Now force the fluid with the syringe through the system until fluid can be seen in the reservoir. After the fluid is forced through the system, tighten the 1/4" bleed screw.



6 Fill the reservoir to the top and replace the cap. The system is correctly bled when the brake pads move immediately upon movement of the brake lever. If this does not happen, the system must be bled again.

7 Check the entire system for leaks and operation after bleeding the system.