



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL No.'s 5503, 5507, 5508, 5509, 5510, AND 5511

JIMS MASTER CYLINDER BRAKE BLEEDING SOLUTION ALLOWS YOU TO PULL A VACUUM ON THE MASTER CYLINDER RESERVOIR ENABLING YOU TO BLEED ALL OF THE AIR FROM THE HYDRAULIC SYSTEM.

NOTE: PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE PERFORMING ANY WORK! IF YOU DO NOT KNOW WHAT YOU ARE DOING, DO NOT DO IT!

No information in this instruction sheet pertaining to motorcycle repair is represented as foolproof or even altogether safe. Even something safe, done incorrectly or incompletely can and will backfire. You and only you are responsible for the safety of your repair work. JIMS cannot be responsible for your safety or the quality of your work.

TOOLS REQUIRED

- Air operated vacuum pump. Mityvac hand operated vacuum pump not recommended.
- Teflon tape
- 3/8" combination wrench for bleeder valve
- 2' Clear tubing to fit bleeder valve tightly. Tubing must fit bleeder screw tight enough to seal.
- Container for clean brake fluid. Preferably clear. Brake fluid bottle can be used.
- No. 2 Phillips Screwdriver
- Brake Fluid for year and model bike being serviced.

Caution: *Do not mix brake fluids. Always follow master cylinder lid and Service Manual for the DOT designation of brake fluid required.*

- Service Manual for year and model bike being serviced.

BLEEDING INSTRUCTIONS

1. Remove stock master cylinder lid, gasket, and screws.
2. Choose the JIMS bleeder lid and gasket to fit your application. Install the lid and gasket* with the screws provided. The black No. 5503-2 screws are 8-32 SAE thread, and the silver No. 5503-3 are 4mm metric. OEM lids with screws captured in the lid use No. 5503-3 metric screws.

Caution: *Make sure the screws you use are correct by threading in by hand first, so you do not damage the threads in the master cylinder.*

3. Remove the bleeder screw from the brake caliper or slave cylinder and wrap Teflon tape counter clockwise around the threads two or three times. Replace bleeder screw into caliper and snug up.
4. When servicing dual caliper systems, begin with the caliper farthest from the master cylinder first. When all air is bled from this caliper, finish by bleeding the closer caliper.



PARTS AVAILABLE SEPARATELY

PART NO.	DESCRIPTION
5503-2	SCREW, 8-32 X 3/4", BLACK
5503-3	SCREW, 4MM X .7, STAINLESS
5507-1	LID
5508-1	LID
5509-1	LID
5510-1	LID
5511-1	LID
5507-2	GASKET, 5507-1
5508-2	GASKET, 5508-1
5509-2	GASKET, 5509-1
5510-2	GASKET, 5510-1
5511-2	GASKET, 5511-1

CAUTION: WEAR SAFETY GLASSES OVER YOUR EYES.
SEE JIMS® CATALOG FOR HUNDREDS OF TOP QUALITY PROFESSIONAL TOOLS.
THE LAST TOOLS YOU WILL EVER NEED TO BUY.

Performance Parts For Harley-Davidson Motorcycles

555 DAWSON DRIVE, CAMARILLO, CA 93012 PHONE 805-482-6913 • FAX 805-482-9224
 VISIT US ON THE WEB AT WWW.JIMSUSA.COM



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR TOOL No.'s 5503, 5507, 5508, 5509, 5510, AND 5511

5. Attach clear hose to bleeder screw and place opposite end into a container of new brake fluid.
6. Attach vacuum bleeder to fitting on JIMS® master cylinder bleeder lid.
7. Turn on vacuum bleeder and let run.
8. With hose attached to bleeder screw, loosen bleeder screw so brake fluid is drawn into bleeder valve.
9. Watch clear hose while vacuum is pulling fluid into bleeder to make sure that clear hose remains in brake fluid and does not draw in any air.
10. Pump brake lever or pedal a few times.
11. After fluid has drawn into bleeder screw and master cylinder reservoir is getting close to full, shut bleeder screw.
12. Once bleeder screw is closed, turn off vacuum pump.
13. Pump pedal/lever a few strokes and hold down. Loosen bleeder screw, then close. Repeat until no air is present.
14. Hydraulic system should be properly bled. Verify by checking for a firm brake pedal or lever.
15. Top off master cylinder reservoir with amount and type of fluid specified in your service manual. Replace stock lid, gasket, and screws.

Warning: *Do not operate the vehicle with JIMS brake bleeding lid on master cylinder. It is only for bleeding the hydraulic system.*

16. Test brakes or clutch for proper operation before use on public roads.

Note: *Extended contact with DOT 4 brake fluid will cause transparency of Brake Bleeding Lids to fade. Wash lid with soap and water immediately after use to keep lid material clean and transparent. Keep gaskets separate for JIMS® bleeding lids that take both DOT 4 and DOT 5 brake fluids.*

* For master cylinders that use DOT 4 or DOT 5 brake fluid, we have included two gaskets. One is to be used for DOT 4 brake fluid and the other for DOT 5 only. This is to keep gaskets from getting cross contaminated. Keep gaskets separate and identified so you'll know which gasket goes with which type of brake fluid. Again, never mix different types of brake fluid. Doing so creates a mess that will require a complete flush and rebuild of the entire hydraulic system and can pose a safety hazard.

Note: *DOT 5 and DOT 5.1 are not compatible. DOT 5 is silicone based while DOT 3, DOT 4, and DOT 5.1 are glycol based. Glycol based fluids are harmful to painted surfaces. If spillage occurs, rinse with plenty of water.*

Performance Parts For Harley-Davidson Motorcycles

555 DAWSON DRIVE, CAMARILLO, CA 93012 PHONE 805-482-6913 • FAX 805-482-9224
VISIT US ON THE WEB AT WWW.JIMSUSA.COM