

Trailer Brake Bleeding

For Epic Ameratrail trailers

Tools Needed



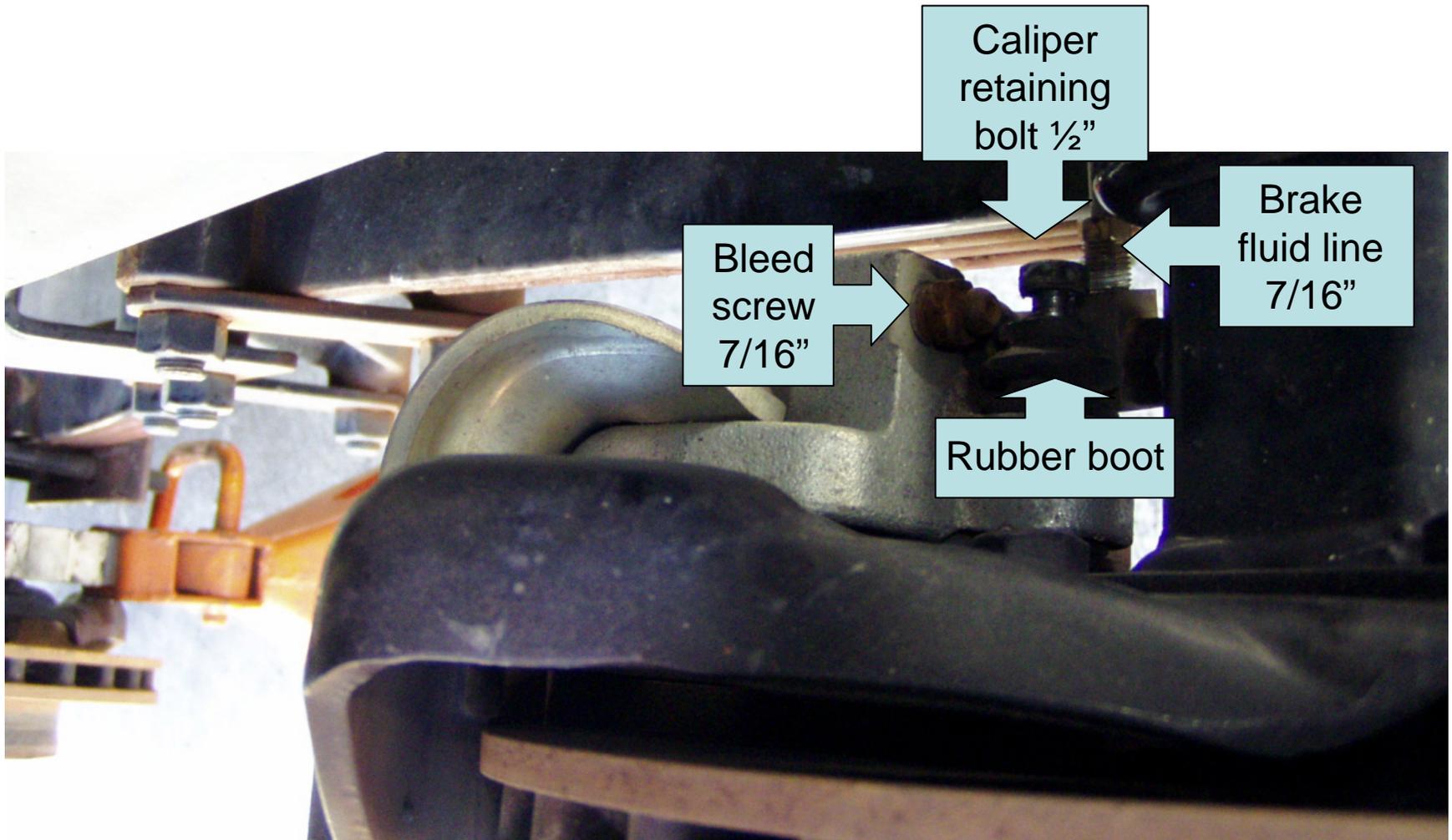
4 way wrench
3/8" and 7/16" Flare nut wrench
1/2" Box wrench
4 jack stands
Floor Jack
Screwdriver
Brake Fluid (1 quart DOT3)
3/8" ID clear tubing (2 ft)
Clear container

Please refer to trailer and disk brake documentation for details on part numbers and procedures. EpicMarine.com is not responsible for misuse of this information or damages/injury that may occur.

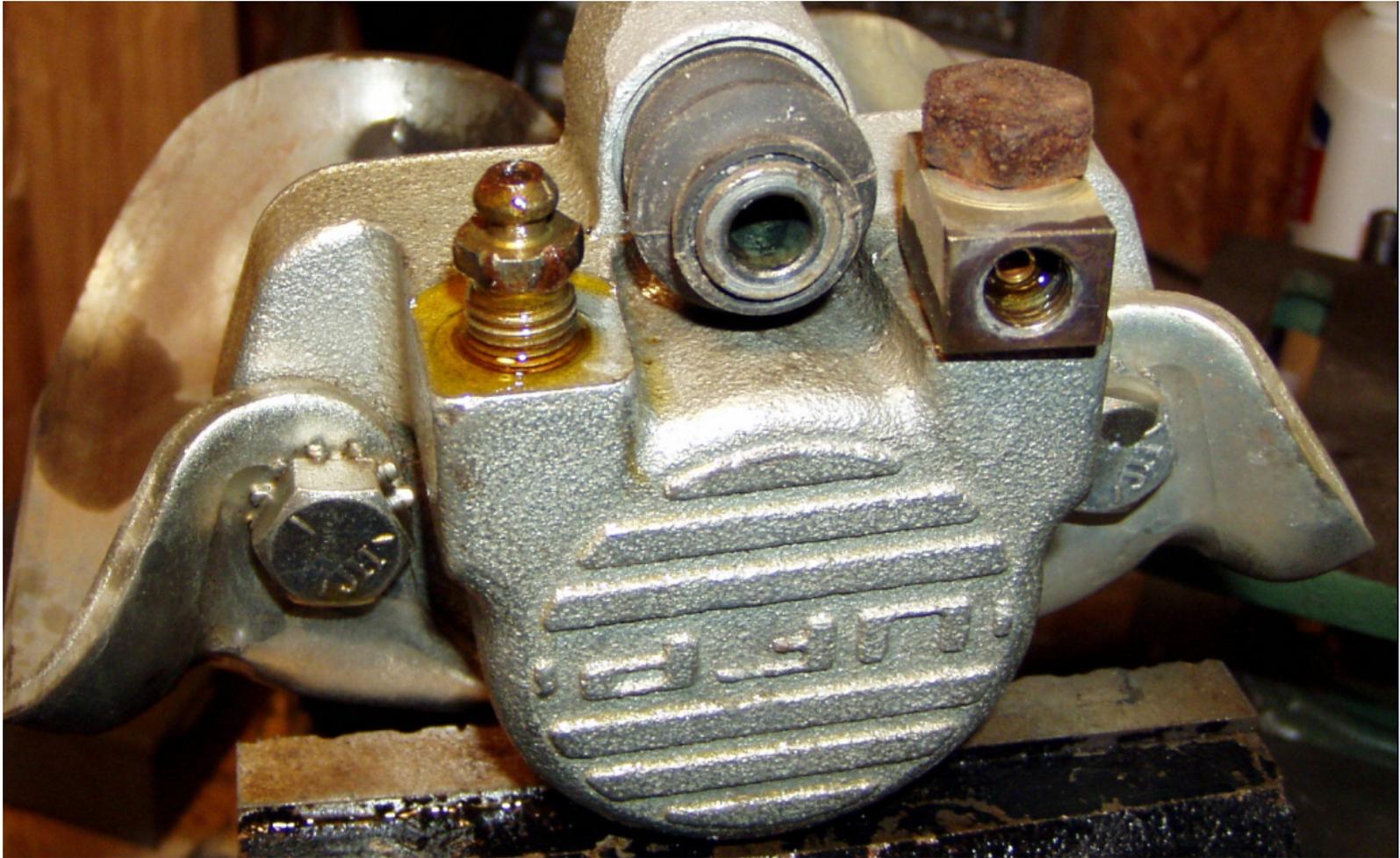
Jack the boat up and support it. Remove the wheels.



This is the view from above the brake caliper. Try to loosen the bleed screws. If you can loosen each bleed screw with the caliper installed, you can proceed. If not, you must remove the calipers. mine were frozen. Detach the brake line, remove the caliper retaining bolt, and remove the caliper.

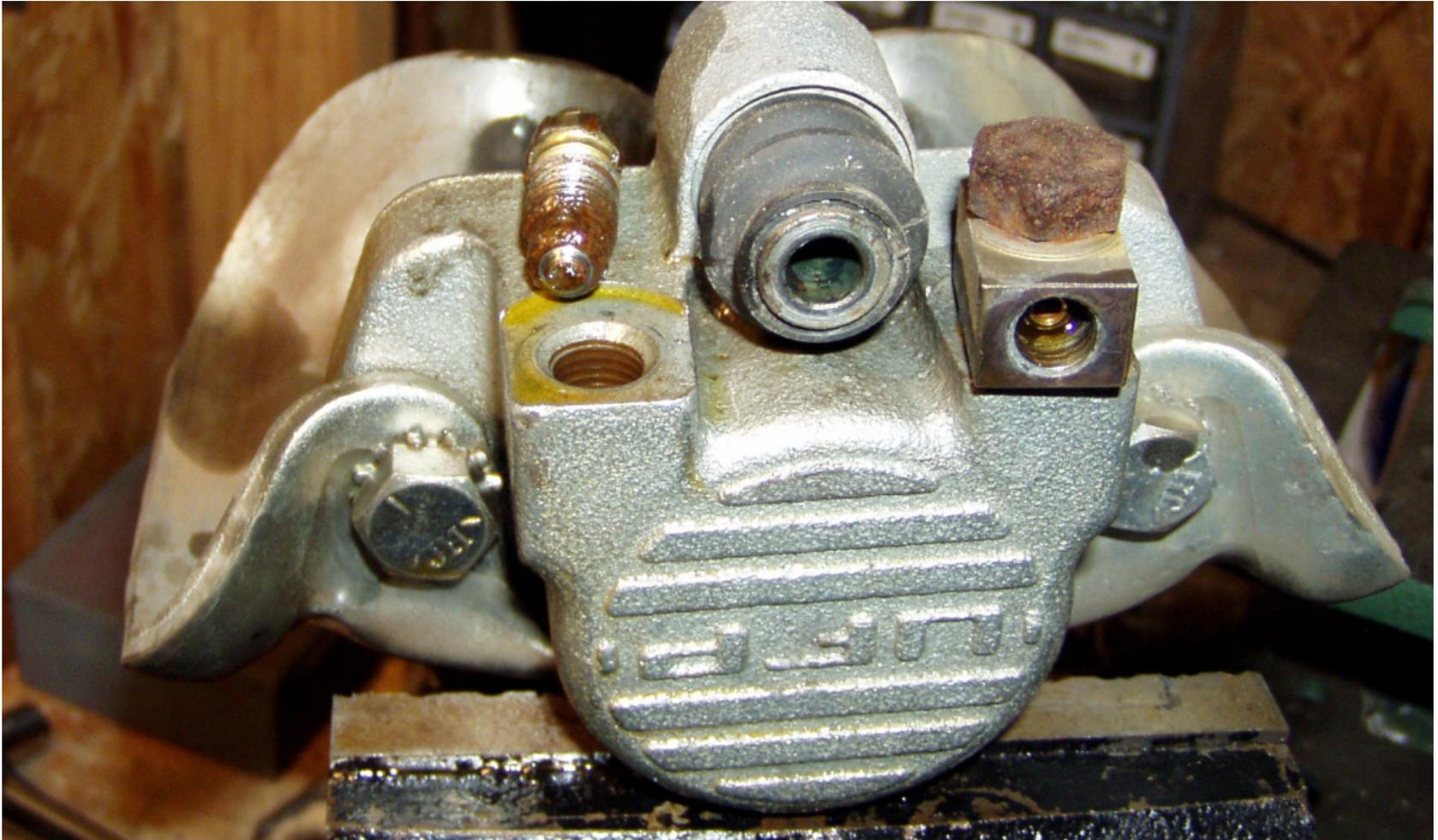


Put the caliper in a vice and use penetrating oil on the bleed screw. Squirt some down the hole in the screw as well. After 20 min, loosen the screw using a SIX POINT 7/16" socket.



Once the screw is out, evaluate the condition of the caliper. This one has a lot of rust in it. The caliper is a UFP DB-42 on the tandem Ameratrail trailer. They are available here. There are different part numbers for left and right.

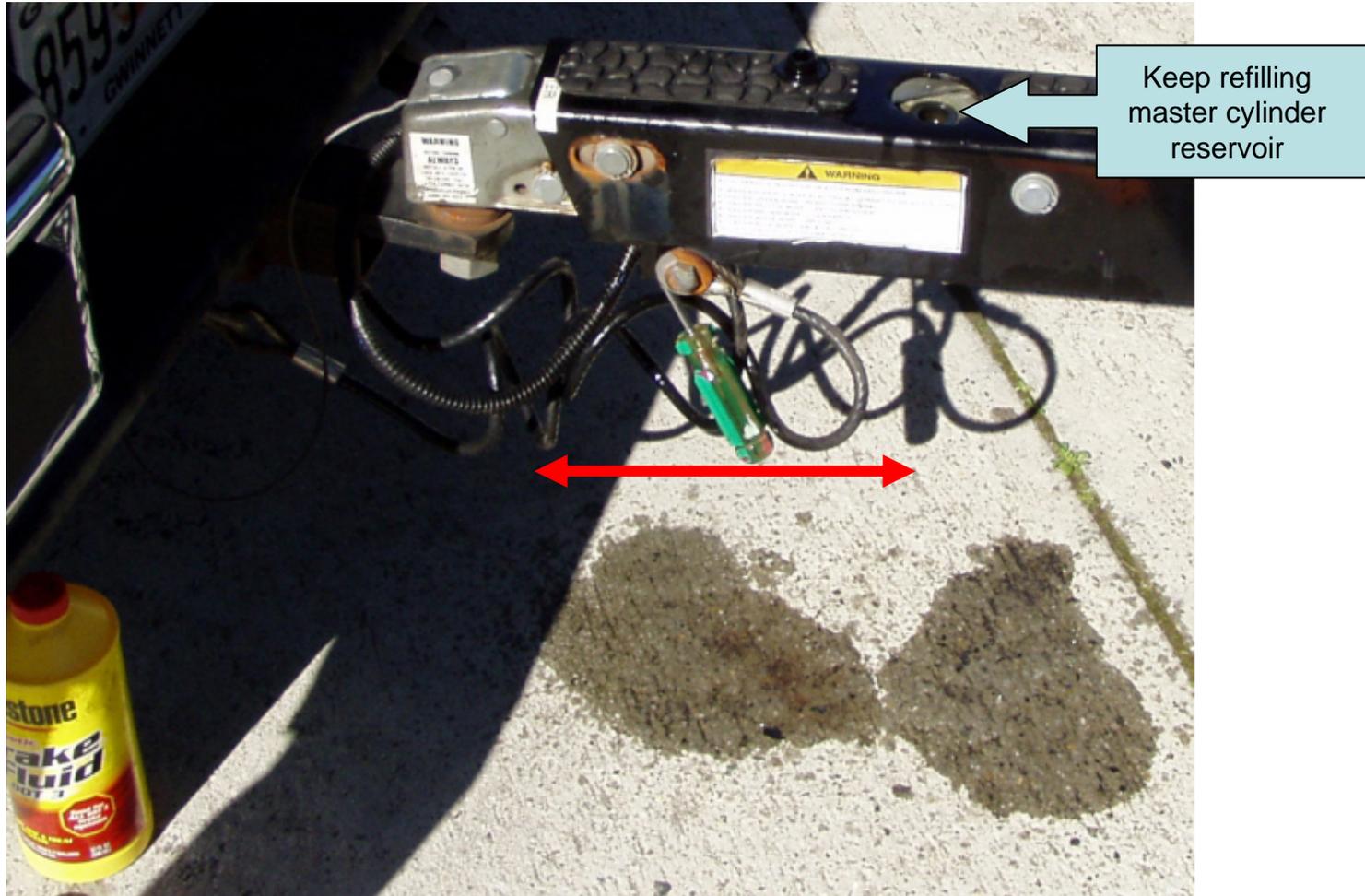
<http://www.dhmtrailers.com/online/product.php?productid=1075&cat=105&page=1> Price was \$59.80 ea. I cleaned mine up, wire brushed the rust off the bleeder screw threads, etc. Check each caliper to make sure it's not stuck. Do this by moving the piston by hand or with a C clamp. If it does not move relatively easily, replace the caliper. If the piston is rusted and seized, your brakes will stick.



Reattach caliper, replace brake pads if necessary. Mine were fine. They are plymouth acclaim brake pads according to the trailer documentation. Hook up the brake lines. Attach a length of clear tubing to the bleed screw on the (boat) driver side rear. Run this tube into a clear container, fill it partially with brake fluid and submerge the end of the hose. Loosen the bleed screw.



Remove the two round covers to open the master cylinder reservoir. Fill with Dot 3 brake fluid. On the underside of the tongue, insert a screwdriver in the 1/2" round hole. Pump the master cylinder by moving the screwdriver back and forth. You will see the level in the master cylinder drop as fluid is pumped through the system into the clear container. Continue pumping and refilling the master until the fluid in the tube is clear with no bubbles. Tighten the bleed screw, proceed to the next wheel. When finished, repeat entire process on all four wheels.



When completed, have someone pump the master cylinder and hold it. Try to manually turn a rotor, you should not be able to do it. Test all four wheels. Release, make sure that you can turn all four rotors by hand. If one is stuck, replace the caliper. Hook the trailer up and drive it. Stop on an incline so that the trailer brakes are engaged. Check the location of the slide yoke, make sure that it is $\frac{1}{2}$ to $\frac{2}{3}$ the length of the slot. If it goes all the way, you should bleed the brakes again, they are not working.

