

1987-1993 Ford Mustang Brake Pressure Control Valve Rebuild

Tools needed:

- Clean brake fluid
- Brass Bottle brush
- 1/2" socket or box wrench
- 3/4" socket or box wrench
- Dental pick

Arrange your valve, tools, and rebuild kit on a clean work surface. The first step is to inspect the valve and make sure that the exterior is undamaged. Check the port threads for damage. If any of the brass port threads are stripped or damaged you're better off finding another tee. If your valve passes the exterior inspection you're ready to disassemble it and inspect the internal parts.

1. Disassemble the valve.
2. Thoroughly clean and inspect parts. Clean the bores of the valve with the bore brush and make sure that the bores are perfectly clean - any dirty residue that lingers in here can cause a leak!



3. Install the o-rings on the plug. Lubricate the o-rings with clean brake fluid as you install them.



4. Install the piston, spring, and plug. The plug should be tightened only enough to get a good seal between the o-ring and the valve body. Now turn your attention to the proportioning valve components.

5. Install the o-rings seals on the plug and the piston seal on the piston. Make sure that the open end of the piston seal is facing out. Lubricate the seals with clean brake fluid.
6. Push the piston into the valve and install the spring behind it.



7. Install the plug. You'll need to compress the spring while turning the plug to engage the threads. Again, don't over-tighten the plug. The rebuild is finished once you've installed the plug.



8. Now you can reinstall the valve in the car and reconnect the brake lines to the valve. Start each line by hand as best you can to ensure that the fittings are threading in straight and smooth. Be careful - it's easy to cross-thread the fittings and damage the soft brass threads. Tighten each fitting with a flare nut wrench. You may need to tighten, loosen, and retighten each fitting multiple times to obtain a leak-free seal. Add brake fluid, bleed the brakes, and check for leaks.