

Chevy Manual Brake Bleeding Procedure

Tools Required

- J 28434 Wheel Cylinder Bleeder Wrench.
1. If the vehicle has a vacuum booster, apply the brakes several times with the ignition OFF. This relieves the vacuum reserve.
 2. Fill the master cylinder reservoir. Use Delco Supreme 11 Hydraulic [Brake Fluid](#), or equivalent DOT 3 motor vehicle brake fluid. Maintain the fluid level during bleeding.
 3. If the master cylinder has air in the bore, bleed the master cylinder using the following procedure:
 - 3.1. Disconnect the forward brake pipe connector at the master cylinder.
 - 3.2. Allow the [brake fluid](#) to flow from the connector port.
 - 3.3. Connect the brake pipe connector. Do not tighten the brake pipe connector.
 - 3.4. Slowly apply the brake pedal. Allow the air to bleed from the loose connector.
 - 3.5. Tighten the connector before releasing the brake pedal.
 - 3.6. Wait 15 seconds.
 - 3.7. Repeat this sequence, including the 15-second wait, until you purge all the air from the master cylinder bore.
 - 3.8. Repeat this procedure for the rear brake pipe after you purge all the air from the forward pipe connection.
 4. If you replaced the Brake Pressure Modulator Valve of the 4WAL system, or if you suspect that air is trapped inside, bleed the Brake Pressure Modulator Valve next.
 5. Using J28434, bleed each wheel cylinder in the following sequence:
 - 5.1. Right rear wheel cylinder
 - 5.2. Left rear wheel cylinder
 - 5.3. Right front wheel caliper
 - 5.4. Left front wheel caliper

6. Attach a hose to the wheel cylinder/caliper bleeder valve.
7. Immerse the opposite end of the hose into a container partially filled with clean [brake fluid](#).
8. Slowly apply the brake pedal one time and hold.
9. Loosen the bleeder valve in order to purge the air from the wheel cylinder/caliper.
10. Tighten:the bleeder valve to 13 Nm (110 inch lbs.).

NOTICE: Refer to Fastener Notice in Service Precautions.

11. Slowly release the brake pedal.
12. Wait 15 seconds.
13. Repeat this sequence, including the 15-second wait, until you purge all the air from the wheel cylinder or caliper.
14. Repeat steps 6-12 at each wheel until you purge all the air from the brake system.
15. Check the brake pedal for sponginess. Check the brake warning lamp for an indication of unbalanced pressure. Repeat the bleeding procedure in order to correct either of these conditions.