



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** 2 MODE HYBRID Additional Information On Bleeding The Brakes

**Models:** 2009-2013 Cadillac Escalade Hybrid  
2008-2013 Chevrolet Tahoe Hybrid and GMC Yukon Hybrid  
2009-2013 Chevrolet Silverado Hybrid and GMC Sierra Hybrid  
All with Two-Mode Hybrid System (RPO HP2)

*This PI was superseded to update model year and change tool requirements. Please discard PIT4597D.*

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

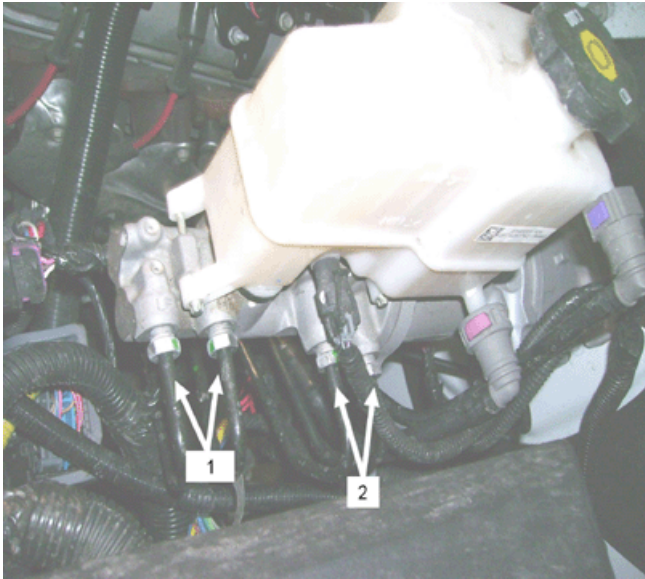
The following information contains some additional steps that are needed to help perform a successful brake bleed on the 2-Mode Hybrid. The 2-Mode braking system is unlike most traditional hydraulic brake systems. It is very important for proper brake system performance to follow the brake bleeding procedure exactly. Air trapped in the brake system will cause performance problems and DTCs with or without the symptoms of a spongy or low brake pedal. If you miss a step in the brake bleed procedure, you must start over at step 1 without exception.

### Recommendation/Instructions

1. Install a battery charger on the vehicle to maintain battery voltage
2. Use a pressure bleeder that is capable of delivering and maintaining 30 psi for the entire bleed procedure. The bleeder should also be able to hold and provide enough fluid to complete the entire procedure. Failure to provide a constant 30 psi will cause air to be trapped in the brake system and may cause brake performance problems or DTCs to occur. Tool J-29532-A has been tested extensively on this application and has proven to provide the necessary pressure and volume of brake fluid. Vacuum bleeding and other brake bleeding tools are NOT acceptable for this procedure.

**Note:** The dealership must use the J-29532 Diaphragm Pressure Bleeder, J-29532-A Brake Pressure Bleeder, or an equivalent diaphragm type (ball bleeder) pressure bleeder in order to perform the hybrid brake system bleed procedure. A replacement J-29532-A can be ordered from 1-800-GM-TOOLS. J 35589-A Brake Bleeder Adapter, or equivalent will also be needed. Approximately 2.5-3.0 L (2.6-3.2 qt) of brake fluid will be used throughout this procedure.

3. In step 37 of the brake bleed procedure (Document Id: 1998764), It has you loosen one of the 2 intermediate brake pipe fittings. The following photo labels the lines at the master cylinder.



ARROW 1 points to the front brake lines.

ARROW 2 points to the Intermediate lines.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

### **Additional SI Keywords**

Electrical Tag

---

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION