



Preliminary Information

PIT4858B HYBRID Brake Noise Vibration or Aggressive Brakes

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Tahoe Hybrid	2008 - 2011	All	All	All	All
GMC	Yukon Hybrid	2008 - 2011	All	All	All	All
Cadillac	Escalade Hybrid	2009 - 2011	All	All	All	All
Chevrolet	Silverado Hybrid	2009 - 2011	All	All	All	All
GMC	Sierra Hybrid	2009 - 2011	All	All	All	All

All with Two-Mode Hybrid System (RPO HP2)

Supersession Statement:

This PI was superseded to remove information about the part restriction. Please discard PIT4858A

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

Condition / Concern

Some customers may comment on one or more of the following concerns:

- Groan or Thump noises during braking.
- Brake Pedal Pushback or Vibration that may resemble a pulsation as the vehicle comes to a stop.
- A slight drop in the brake pedal when coming to a stop.
- Brakes are touchy or seem too aggressive.

(This may have occurred after TIS Sequential Programming was performed or may be due to low accessory battery voltage that now requires an EBCM relearn)

Recommendations / Instructions

If you have a customer that is experiencing one of these concerns without related trouble codes, please check the following items below:

- Ensure that the EBCM is updated with the latest software.
- Perform the Brake Pedal Travel Measurement and Inspection test that is listed under Document Id: 2003292. If the first or second measurement is 17 mm or greater, bleed the brakes as per Document Id: 2208488 and perform the measurement test again. (Average vehicles will read between 14-15 mm)
- For noise related complaints, inspect the brake lines for contact between the chassis and/or body.
- Perform the EBCM relearn procedure below.
- If all the items listed above are inspected and the concern remains, please contact the Technical Assistance Center (TAC) for further instructions.

EBCM Relearn Procedure:

Note: The BPMV/EBCM assembly must be at least 32° F (0-C°) or warmer before performing the set up procedures below. Use a contact thermometer or an infrared temperature gun to measure the temperature.

Using the Tech-2® scan tool, perform the EBCM Relearn using the steps below:

- Start the vehicle.
- Select Diagnostics.
- Build the appropriate vehicle information.
- Select Chassis.
- Select if the vehicle is equipped with Magnetic Ride Control Suspension Package (RPO Z95).
- Select Electronic Brake Control Module (EBCM).
- Select Module Setup.
- Select the EBCM Relearn.
- The Tech-2® screen will have a soft key labeled "RESET". Press the Tech-2® soft key and the screen will read "Procedure in Progress" for 20-25 seconds.
- The screen should read "Process Complete" as shown. If the Relearn fails, you need to clear all codes and repeat the entire EBCM Relearn Procedure.
- At this point the relearn is not completed; you need to wait an additional 50 seconds without depressing the brake pedal
- Clear all the DTCs from the PCM and the EBCM.
- Turn the ignition key to the "OFF" position. Open the driver's door and wait one minute before starting the vehicle. This will disable the retained accessory power allowing the High Speed GMLAN Serial Data Bus to go to sleep and write the data to the Electrically Erasable Programmable Read Only Memory (EEPROM) in the EBCM.
- Start the vehicle and drive up to 32 km/h (20-mph), then perform a brake stop.
- Park the vehicle and place the transmission in the Park position.

- Turn the ignition key to the "OFF" position for one minute.
- Clear all the codes from all of the modules.
- Drive the vehicle again and perform another brake stop.

Important: If DTC C0561 is present, cycle the ignition key to the "OFF" position for one minute. Then start the vehicle and clear the DTC while the vehicle is running. Verify that the condition has been corrected and that all the codes have been cleared

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.



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