



# Service Bulletin

File in Section: -

Bulletin No.: PIP5152

Date: September, 2013

## PRELIMINARY INFORMATION

**Subject:** Diesel Engine Cooling System Filling Procedure For Vehicles Equipped With Rear Heater

**Models:** 2010 - 2014 Chevrolet Express  
2010 - 2014 GMC Savana  
Equipped with the 6.6 diesel engine RPO code LGH

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

### Condition/Concern

A dealer may encounter a customer concern of coolant loss or overheating. The dealer may also encounter repeat cooling system concerns after engine repairs are performed.

### Recommendation/Instructions

Air trapped in the cooling system can cause cavitation which may be damaging to some system components.

Please review and use SI procedures for Cooling System Draining and Filling (Vac-N-Fill Diesel) after all cooling system repairs are made.

When filling the cooling systems on vehicles that have been upfit with rear heaters, such as ambulances or buses, ensure that the rear heater is purged of all air.

Some vehicles may have the rear heater mounted higher than the coolant bottle. Some rear heater units may have been fitted with shut off valves and/or coolant pumps. It may be necessary to contact the vehicle upfitter for a procedure to make sure that the rear heater is flowing coolant and all air is purged from the system.

One suggestion to help ensure that all air has been removed from the cooling system is to drive the vehicle through several, up to five, thermal cycles after performing the Vac-N-Fill procedure. While driving the vehicle, make sure there is coolant flowing through the rear heater system. Monitor the coolant level in the surge tank before and after each thermal cycle and add coolant as needed. When the coolant level in the surge tank remains constant before and after the drive cycles, all air should be purged from the system.

**Warning:** Refer to SI for safety precautions when filling cooling systems.

### Warranty Information

For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the actual cause and repair.

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.