

# Tech Tip



*From your friends at New York Bus Sales*

## **Product Affected – Chev/GM Chassis and V-8 gas engine**

- Complaint -** Shortly after the unit is started in cold weather there is an “SES” light that appears on the dash.
- Cause -** Upon further inspection and reading codes, there is a “P2181” in the ECM.
- Correction -** Please refer to GM Document ID 2415349/#PIP4775-Inspect rear heater operation and hose installation. Please see below-

**THANK YOU TO FRANK AND JOHN FROM MORRIS CENTRAL SCHOOL FOR BRINGING THIS TO OUR ATTENTION!**

# #PIP4775: SES Light Due To P2181 DTC - Inspect Rear Heater Operation And Hose Installation - (Mar 12, 2010)

**Subject:** SES Light due to P2181 DTC - Inspect Rear Heater Operation and Hose Installation



**Models:** 2010 Chevrolet Express Cutaway  
2010 GMC Savana Cutaway  
with a Bus Body, V8 Gas Engine, and Rear Heat Provisions (RPO ENC)

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

## Condition/Concern:

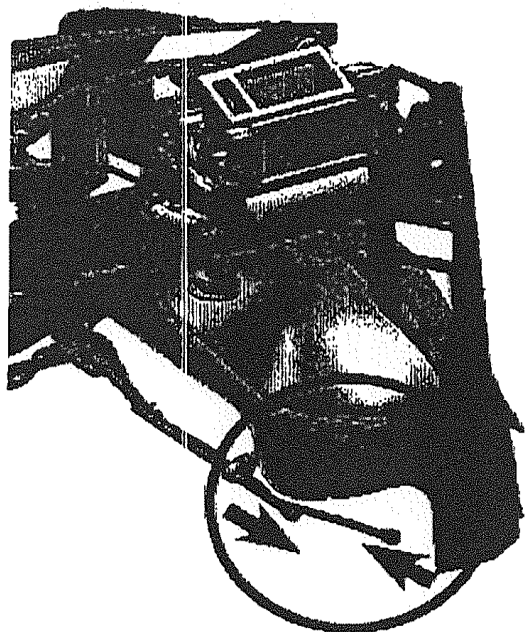
Some customers may complain of a SES light that comes on shortly after cold start. Upon inspection a P2181 DTC will be found in the ECM.

This may be the result of having the rear heater hose connections reversed or from having the rear heater fan set to high during engine warm up.

## Recommendation/Instructions:

If this concern is encountered, inspect the rear heater pipes shown below for proper installation.

The longer, outboard pipe shown in blue is the coolant return from the rear heater. The shorter, inboard pipe shown in red is the coolant supply to the rear heater.



If the connections are reversed, install them correctly and re-evaluate the concern.

If the connections are correct, question the customer to determine if this occurred shortly after cold start and if the rear heat was on when this concern occurred. If so, ask them to let the vehicle warm up before turning the rear heat on and re-evaluate the concern.

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.

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



**Contact Our Service Department With Any Questions**

**CHITTENANGO** – phone 800-962-5768 or  
Daryl Wallace : [dwallace@newyorkbussales.com](mailto:dwallace@newyorkbussales.com)  
Brian Lamaitis : [blamaitis@newyorkbussales.com](mailto:blamaitis@newyorkbussales.com)  
**ROCHESTER** – phone 800-463-3232 or  
Gary Chichester: [gchichester@newyorkbussales.com](mailto:gchichester@newyorkbussales.com)  
**ALBANY** – phone 866-867-1100 or  
Ben Reiling: [breiling@newyorkbussales.com](mailto:breiling@newyorkbussales.com)  
Steve Searles: [ssearles@newyorkbussales.com](mailto:ssearles@newyorkbussales.com)  
**WARRANTY** – 800-962-5768 ext 237  
Morgan Jenkins: [mjenkins@newyorkbussales.com](mailto:mjenkins@newyorkbussales.com)

PLEASE NOTE-  
WE REALIZE THE ILLUSTRATIONS  
ARE NOT THE BEST BUT WILL  
REVISE ONCE WE CAN OBTAIN  
BETTER ONES

ALL of our Tech Tips can be found on the New York Bus Sales website at  
<http://www.newyorkbussales.com/pages/bulletins.cfm>  
Or at the New York Head Mechanic website at  
<http://www.nvhma.org/viewforum.php?f=2&start=0>