



# Preliminary Information

## PIT5058G Diagnostic Tip - School Bus Brake Warning System RPO UJ1 Functional Test and Diagnostics

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Express Cutaway or Cargo Chassis	2008 - 2021	All	All	All	All
GMC	Savana Cutaway or Cargo Chassis	2008 - 2021	All	All	All	All

With RPO UJ1

### Supersession Statement:

This PI was superseded to add Model Year. Please discard PIT5058F.

### Condition / Concern

**Some dealers may need information on the operation and diagnostics of the UJ1 brake warning pressure warning system.**

### Recommendations / Instructions

To test for the proper function and operation of the UJ1 brake warning system:

1. Turn key to on position (Do not start engine) Park brake not applied.
2. Wait approximately 2 seconds.
3. Brake symbol will come on and chime will sound.
4. Start engine, light should go out and chime should stop.

If the warning system does not function correctly, then follow the below diagnostics:

1. Disconnect X141 (left rear of the engine compartment near the cowl) and the brake light and chime should be off. If the light and chime are still on then check circuit 33 for a short to ground between X141 and the IPC terminal 14.
2. Ground terminal A on the female side with the engine on and park brake released and the brake light and chime should come on. If the light and chime does not come on then check circuit 33 for an open between X141 and the IPC terminal 14.
3. Check male side of X141 circuit 33 with an ohm meter to ground and should be close to 0 ohms with engine off and key on. Start engine and circuit should go OL indicating that the flow switch opened. Then, turn the steering to the stop in pressure relief (do not hold for more than 5 seconds) and verify that the circuit stays OL to check the operation of the pressure switch.

### Warranty Information

**The correction for this concern may be one of several repairs described in the diagnostic tips above. 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.



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