



# Preliminary Information

## PIT5624 Diagnostic Tip Heated Seats Inoperative DTC U1524

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500	2014	All	All	All	All
Chevrolet	Silverado	2015 - 2018	All	All	All	All
Chevrolet	Silverado LD	2019	All	All	All	All
Chevrolet	Silverado 2500/3500	2019	All	All	All	All
Chevrolet	Suburban	2015 - 2019	All	All	All	All
Chevrolet	Tahoe	2015 - 2019	All	All	All	All
GMC	Sierra 1500	2014	All	All	All	All
GMC	Sierra	2015 - 2018	All	All	All	All
GMC	Sierra Limited	2019	All	All	All	All
GMC	Sierra 2500/3500	2019	All	All	All	All
GMC	Yukon	2015 - 2019	All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	With RPO KA1 Heated or RPO KQV Heated and Vented Seats
Condition	Some customers may comment the heated and/or vented seats are inoperative. When performing normal diagnostics DTC U1524 may be set. In some cases, if only the passenger heated or vented seat is turned on it will work, but when the drivers side is turned on then both sides will be inoperative. If watching the driver's heated/vented seat switch indicators, they will flash on and then off.
Cause	This concern could be caused by a loss of voltage on circuit 5140 at the Seat Heating Control Module K29 connector X1 pin 10.

### Correction:

If SI diagnostics do not isolate the root cause for this concern, check circuit 5140 for a loss of voltage. Below is one method for checking this:

- Back probe circuit 5140 at the Seat Heating Control Module K29 connector X1 pin 10 with a Fluke 87 Meter connected to a known good ground.
- Start the engine.
- Set the Fluke Meter on DC voltage and verify there is battery/charging voltage present.
- Press the Min/Max button on the meter.
- Turn on the driver's heated seat and monitor for excessive voltage loss.

**Note: When monitoring for excessive voltage loss the condition must be duplicated or improper results may be obtained and could lead to misdiagnosis.**

A voltage loss of greater than 1.0 volt would be excessive. Example, if before turning on the driver's heated seat the battery/charging voltage is 14.4 volts and when the heated seat is turned on the reading recorded by the fluke meter min/max should not drop below 13.4 volts.

If excessive voltage loss is found, continue performing basic electrical diagnosis to determine where the voltage loss is occurring.

If no excessive voltage loss is found, do not overlook a poor terminal crimp or poor terminal tension at X1-10.

**Note: This PI will be converted into a bulletin when new information is available.**

### Warranty Information

**For wiring repairs covered under warranty, please refer to latest version of bulletin [10-00-89-005](#).**

### Version History

Version	1
Modified	Created 07/09/2018



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