



Preliminary Information

PIT5692A Diagnostic Tip For 12 Volt Battery Going Dead Overnight Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2017 - 2020	All	All	All	All
Chevrolet	Suburban	2017 - 2020	All	All	All	All
Chevrolet	Tahoe	2017 - 2020	All	All	All	All
GMC	Yukon Models	2017 - 2020	All	All	All	All

Involved Region or Country	North America
Condition	<p>Some customers may experience one or all the following concerns:</p> <ol style="list-style-type: none"> 1) Battery draw which typically is between 5 and 6 amps 2) Radio backlighting will stay on even after the ignition has been turned off and the key has been removed for several minutes 3) May Have current or history DTC: P2535
Cause	This concern may be caused by unwanted voltage at the ignition fuses fed by the KR73 Ignition main relay in the X51L left Instrument Fuse box, with the Ignition off.

Correction:

If you experience any of the above concerns, check for voltage with a DVOM on all the fuses that are fed by the KR73 Ignition relay. These fuses are all on the same Run/Crank Ignition Buss Bar, in the Left I/P Fuse Block, and should not have any power with the ignition off. In some cases, there may only be 2 or 3 volts present, so a voltmeter must be used to check for voltage.

Example wiring diagram for the KR73 Ignition Main Relays and fuses is Document ID: **4501672.**

If there is any voltage on the fuses with the ignition in the off position, remove fuses one at a time to isolate which module is causing the concern. Once you have located the effected module, Unplug the module and see if the back feed goes away. Once the module is isolated, replace as needed.

TAC has seen some issues in the field where the K29F front heated seat module or the K29R rear heated seat module may be causing the back feed concern.

Note: If you remove all the fuses fed by, the KR73 Ignition Main Relay and you cannot isolate the concern down to a single fuse, Inspect the backside of the X51L Fuse block in the instrument panel for corrosion. We have seen some cases where the front windshield or the OnStar Antenna has a water leak and causes corrosion on the backside of the fuse box.

Version History

Version	2
Modified	06/24/2019 - Created on. 02/18/2022 - Update to add 2020 model years



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