



Preliminary Information

PIT5516F Accessory off Road Lights Inoperative after Installation

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Colorado	2016 - 2021	All	All	All	All
GMC	Canyon	2016 - 2021	All	All	All	All

Involved Region or Country:	North America
Additional RPO/s:	S3X
Condition:	Dealer installed off road lamps inoperative after installation.
Cause:	Incorrect Installation

Correction:

Do NOT replace the BCM for this concern. Warranty returns have shown this replacement will not repair this concern.

Service Procedure:

Before continuing verify the engine is running, the headlamps, not DRL's are on, the covers are not installed on the lamps and that the Off Road Lamp switch has been pressed for 3 seconds.

Verify programming. (2016) If the vehicle has RPO S3X, the BCM was programmed for these lights at the factory. Without this RPO the technician must contact TCSC and obtain the correct BCM calibrations. 2017-21, all BCM's came with this option turned on, no need to program them.

Check for 12 volts at terminal 6 of the headlamp switch with a DVOM. If not present it is likely the other end of this circuit is not located in X1-12 at the BCM or the incorrect terminal is in place there. Recheck for proper installation and terminal fit testing with the appropriate terminal test lead. Refer to eSI for the appropriate test lead.

Remove BCM X5 and apply voltage to terminal 5, if the lights now illuminate verify terminal location and the correct terminal is installed. Again, refer to eSI for the appropriate test lead.

If there is still an issue verify the power feeds and grounds at the relay connector.

NOTE: It is very easy to select the incorrect terminals from the kit as it can also be installed on the full size truck that uses a different BCM. Suggest using the connector end views in eSI to verify the terminal locations in the BCM and headlamp switch connectors and to use the listed test terminal to verify terminal tension.

Version History

Version	
	7
Modified	07/12/2016 - Created on 10/16/2017- Updated Model years. 02/22/2019 -Updated for 2019 and added notes. 03/17/2020 - Updated to add 2020 Model Year. 04/14/2020 - Updated to correct Model Year error in text. 08/10/2020 - Updated to add 2021 Model Year 12/10/2020- Updated to correct error in text.



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