



## Preliminary Information

### PIT5887C Diagnostic Aid: Intermittent Vehicle Powers Up But Will Not Crank

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Colorado	2021 - 2022	All	All	LGZ	All
Chevrolet	Equinox	2021 - 2023	All	All	LYX, LSD	All
Chevrolet	Malibu	2022 - 2023	All	All	LFV	All
GMC	Canyon	2021 - 2022	All	All	LGZ	All
GMC	Terrain	2021 - 2023	All	All	LYX, LSD	All

Involved Region or Country:	North America
Condition:	Intermittent No Crank. Vehicle Powers Up Normally.
Cause:	Oxidized B+ Nut or Stud On The Starter Solenoid.

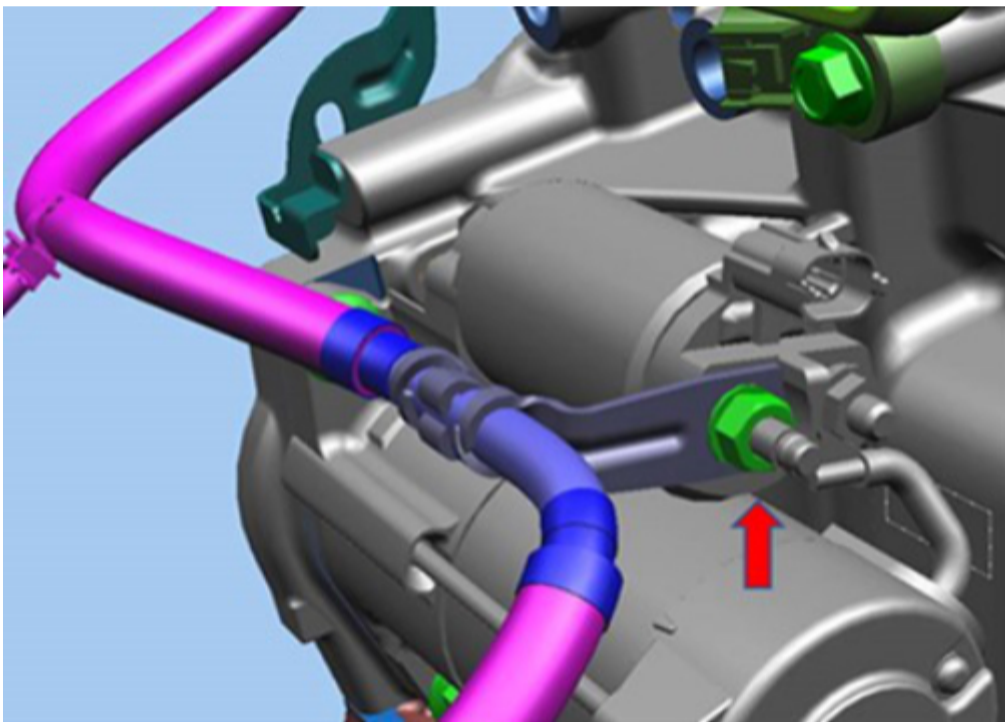
#### Correction:

If a vehicle presents with an intermittent power up but no crank concern verify the BCM Power Mode Data shows Crank, the ECM Electrical Data shows active Crank Request and Crank Relay Command.

If data is correct, check for power at the B+ terminal at the starter.

If present, inspect the B+ stud on the starter for oxidation as shown below.





If it's oxidized as shown in the photos, you should replace the nut and clean the stud terminals and re-check starter function.

If this corrects the concern, release the vehicle.

If not, continue with starter diagnosis / replacement.

### Warranty Information

For vehicles repaired under the Power train coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IV) for coverage information.

Labor Operation	Description	Labor Time
4088658*	Replace B+ Starter Nut and Clean Stud LGZ, LFV and LYX Base:	0.5 Hrs.
	Diagnostic Add:	0.0 - .5 Hrs.
	AWD Vehicles : Add Time to remove transfer case	1.3 Hr.
*This is a unique Labor Operation for Bulletin use only.		

### Version History

Version	4
Modified	<p><b>01/26/2022 - Created on.</b></p> <p><b>04/27/2022 - Updated to add Colorado and Canyon models and to add a bulletin specific labor operation.</b></p>

03/17/2023 - Updated to add Malibu.  
04/04/2023 - Updated to add LSD engine.



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