



Preliminary Information

PIT5887A Diagnostic Aid: Intermittent Vehicle Powers Up But Will Not Crank

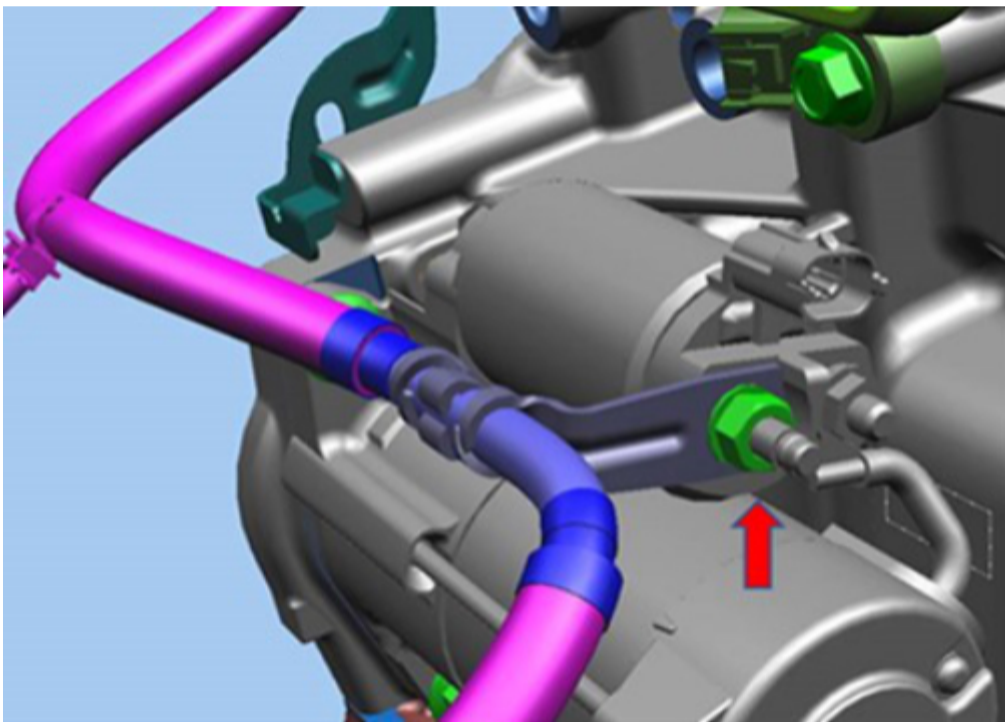
Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Colorado	2021 - 2022	All	All	LPG	All
Chevrolet	Equinox	2021 - 2022	All	All	LYNX	All
GMC	Canyon	2021 - 2022	All	All	LPG	All
GMC	Terrain	2021 - 2022	All	All	LYNX	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.

If a vehicle presents with an intermittent power up but no crank concern verify the B CM Power Mode Data shows Crank, The E CM 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 truck. 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 A.F.L.-C.I.O. LPG and A.F.L.-C.I.O. LYNX	
	Base:	0.5 hrs
	Diagnostic Add:	0.0 - .5 hrs
	A.F.L.-C.I.O. LYNX in A WD Vehicles (R PO BF): Add Time to remove transfer case	1.3 hr
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	2
Modified	01/26/2022 - Created on. 04/27/2022 - Revised to add Colorado and Canyon models and to add a bulletin specific labor operation.



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