Bulletin No.: PIP5853A
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Preliminary Information

PIP5853A TCCM Drivability DTC's and Possible Low Battery Charge

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 4500 HD, 5500HD, 6500HD	2019 - 2023	All	All	All	All

Involved Region or Country	North America
Condition	**The vehicle may have a concern with the TCCM. causing DTC to set (see below) and possible a discharged battery.** DTCs setting in the K69 Transfer Case Control Module: C0396/00 Range Actuator Position Sensor Circuit P215A/5A Vehicle Speed Signal - Wheel Speed Signal Not Plausible U0121/00 Loss communication with Brake Control Module B0790/00 Transfer Case Neutral Range Indicator Control Circuit C0550/00 Electronic Control Unit C2A24/00 Transfer Case Shift Pending Signal Not Plausible
Cause	**Possible internal diode concern in the TCCM.**

Correction:

Verify the TCCM internal diode function. With the TCCM connectors disconnected and the key off, set multimeter to Diode Test Setting, Red lead to the X2-6 terminal and the Black lead to the X2-4 terminal and record reading.

Next swap the leads red lead to X2-4 and Black lead to X2-6, record reading.

If both voltage readings are 1.65 +/- .33 volts.

There is no need to replace the TCCM if the voltages are 1.65+/- .33 volts

Clear the codes and return the vehicle to the customer

If one or both readings is below 1.32, replace TCCM and retest for fault code.

There is no need to replace the TCCM if the voltages are 1.65+/- .33 volts

Engineering is looking into the concern, and information will be updated when obtained.

Warranty Information

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

Labor Op	Description	Time
8486168*	TCCM Drivability DTC's and Possible Low Battery Charge Diode test	0.3 Hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	2	
Modified	05/17/2022 - Created On. 07/27/2022 - Updated to correct labor op	

GENERAL MOTORS