



# Preliminary Information

## PIT5638C Service Brake Assist Message with DTC C0021, C058E and/or C05B0

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 (New Model)	2019	All	All	All	All
GMC	Sierra 1500 (New Model)	2019	All	All	All	All

Involved Region or Country	North America
Condition	In some rare situations, a customer may comment on a "Service Brake Assist" message and they may have a hard brake pedal or increased effort is needed to depress the brake pedal, which may extend stopping distances. When checking for DTC's, a current or history C0021, C05B0, and/or C058E will be set in the K160 Brake System Control Module (formerly known as the EBCM). When the EBCM DTCs are set, it will request the SES MIL and the ECM will set DTC P25A2 (Brake System Control Module Requested MIL Illumination).
Cause	This issue could be caused by an internal software calibration.

**Correction:**

**NOTE:** This PI only applies to vehicles involved in Service Update [N192210460](#). For all other vehicles, or if the Service Update had been previously completed, follow normal SI diagnostics.

Engineering has released updated Brake System Control Module calibrations to address this condition. Reprogram the K160 Brake System Control Module with the latest calibrations currently available in Tis2Web, per Service Update [N192210460](#).

**Important:** Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the EL-49642 SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. **DO NOT** connect a battery charger.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the warranty information listed in Service Update [N192210460](#).

**NOTE:** This PI only applies to vehicles involved in Service Update [N192210460](#).

Version History

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Version	4
Modified	10/29/2018 - Created on 12/19/2018 - Supersedes to update the Title, Condition, Cause, Recommendation, and Warranty Sections 03/14/2019 - Supersedes to update the Title, Condition, correction and warranty sections. 05/15/2019 - Supersedes to update the Correction and Warranty sections



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