



Bulletin No.: PIT5950B
Published date: 10/3/2024

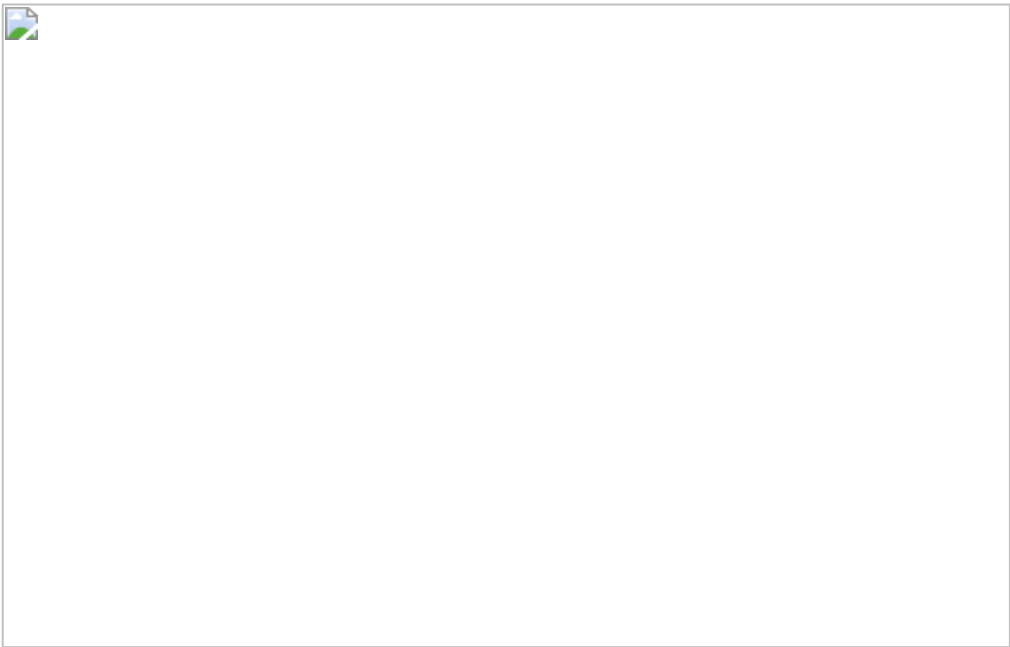
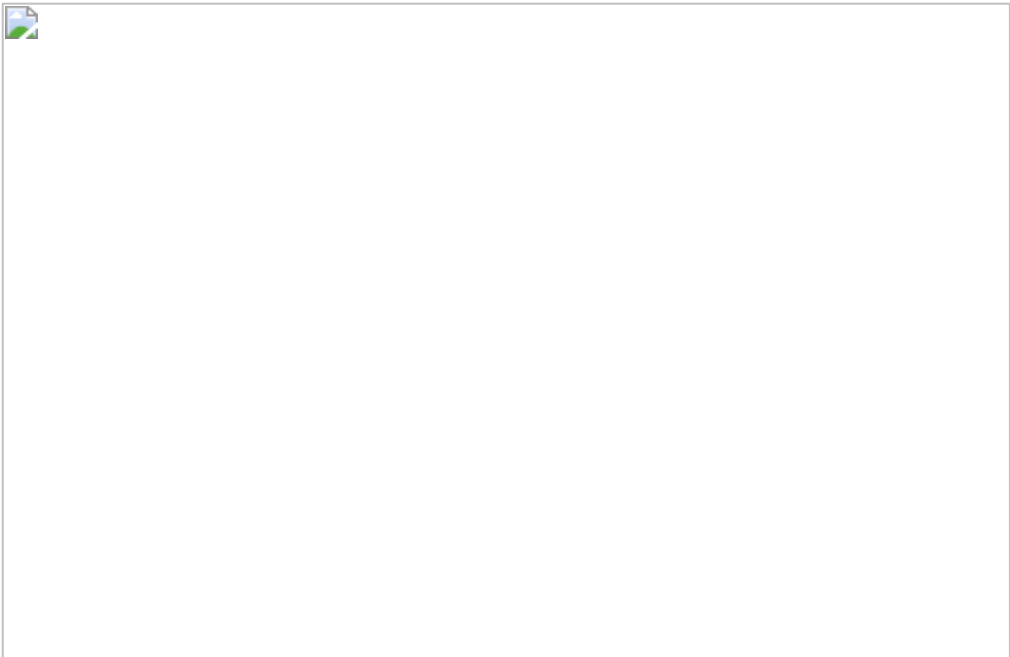
Preliminary Information

PIT5950B Diagnostic Tip - Repeat Front Wheel Speed Sensor DTC After Sensor Replacement - ABS Traction Stability Control MIL DTC C0505 C050B C0511 C0517 C0501 C0502 C0503 C0504 C0507 C0508 C0509 C050D C050E C050F C0510 C0513 C0514 C0515 C0516 and/or C050A

Models

Brand:		Model:	Model Years:	VIN: from to		Engine:	Transmissions:
Chevrolet Silverado 1500 (New Model)			2019	All	All	All	All
Chevrolet Silverado 1500			2020 - 2025	All	All	All	All
GMC	Sierra 1500 (New Model)		2019	All	All	All	All
GMC	Sierra 1500		2020 - 2025	All	All	All	All

Involved Region or Country	North America
Condition	When replacing a front wheel speed sensor (WSS) it is critical that the correct part number WSS sensor be installed for it to properly sense the magnetic encoder ring located on the wheel bearing assemblies. The Right (1) and Left (2) front WSS, shown below, look very similar and there have been many cases where the wrong sensor has been installed. An example would be a right WSS installed on the left side of the vehicle. Subsequently, several unnecessary parts are replaced, such as, Brake System Control Modules, wheel bearings, additional wrong WSS, pigtail connectors, etc.
Cause	Incorrect part number WSS installed.



Correction:

If a front WSS is replaced and you continue to set WSS DTC(s) for the same side, then check to make sure the correct part number front WSS was installed.

Inspect the tip of the WSS to ensure the flat side of the sensor tip is orientated towards the wheel bearing magnetic encoder ring.

Version History

Version	3
Modified	09/28/2022 - Created on. 09/26/2023 - Update to the model year. 10/03/2024 - Update to the model year.