



Service Bulletin

Bulletin No.: 21-NA-045

Date: September, 2022

TECHNICAL

Subject: Power Brake Booster Vacuum Pipe Replacement, DTCs C025E, C0299, P050F, P0556, P0557, P0558 and/or P0561 Set

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Impala	2014	2019	—	—	2.5L (LCV, LKW)	All
	Malibu						

Involved Region or Country	North America, Russia, Middle East, Israel, Argentina, Brazil, Bolivia, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay, Japan, GM Korea Company, China, Taiwan, Philippines
Condition	<p>The purpose of this bulletin is to inform dealership personnel that a new power brake booster vacuum cap will need to be replaced when installing the revised power brake booster vacuum pipe.</p> <p>Technicians may find one or more of the following DTCs set:</p> <ul style="list-style-type: none"> • C025E - Brake Booster Vacuum Sensor Circuit • C0299 - Brake Booster Large Vacuum Leak Detected • P050F - Brake Booster Weak Vacuum • P0556 - Brake Booster Pressure Sensor Performance • P0557 - Brake Booster Pressure Sensor Circuit Low Voltage • P0558 - Brake Booster Pressure Sensor Circuit High Voltage • P0561 - System Voltage Performance
Cause	This condition may be caused by the routing of the original power brake booster vacuum pipe from the factory.

Service Procedure

Refer to *Power Brake Booster Vacuum Pipe Replacement* in SI.

Note: The vacuum cap must be placed on the existing intake manifold port to plug off.

Note: Clear DTCs and verify vacuum values with a scan tool.

Parts Information

Causal Part	Description	Part Number	Qty
X	PIPE ASM-P/B BOOS VAC	23465287	1
	CAP, P/B BOOS VAC TUBE	23150684	
	CONNECTOR KIT, BODT WRG HARN (CRANKSHAFT POSITION SENSOR)	19371207	

Warranty Information

Repairs made for the specific concern within this bulletin may be covered under the vehicle's New Vehicle Limited Warranty "Bumper-to-Bumper" terms (Canada Base Warranty). Refer to the vehicle's Limited Warranty and Owner Assistance Information booklet for coverage details.

Labor Operation	Description	Labor Time
2441640	Power Brake Booster Vacuum Pipe Replacement	Use Published Labor Operation Time

Version	2
Modified	Released March 19, 2021 September 02, 2022 – Removed Europe from Involved Region or Country section and updated the Parts Information.

