



Service Bulletin

Bulletin No.: 21-NA-283

Date: August, 2023

TECHNICAL

Subject: Service Front Suspension Lift System Message Displayed on Driver Information Center (DIC), Noise from Suspension Pump – DTC C103C and/or C103E Symptom 64 Set

This bulletin replaces PIC6434A. Please discard PIC6434A.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Corvette	2020	2023	All	All	All	All

Involved Region or Country	North America, Europe, Middle East, Japan, Australia/New Zealand
Additional Options (RPO)	Front Suspension Lift System (RPO E60)
Condition	Some customers may comment that they have seen a Service Front Lift System message displayed on the DIC in combination with an abnormally loud pump noise. Technicians may find one or more of the following DTCs set: " C103C: Left Front Strut Position Sensor Signal " C103E: Left Front Strut Position Sensor Signal " Symptom 64: Signal Plausibility Failure (This sub type is used for failures where the control module detects a single input parameter is operating outside the plausible range.)
Cause	An issue in the supplier manufacturing process on some lift pumps may cause this condition over time.
Correction	Refer to the Service Procedure to verify the condition.

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

1. Ensure DTC C103C or C103E SYM 64 is in Current or History status on the vehicle.

Note: This bulletin does not apply if one of these DTCs did not set.

2. Start vehicle and operate lift system using the button on the center console with the windows lowered.

3. Compare the pump noise to the two examples below.

3.A.

If the sound is similar to the Suspect Pump, replace the pump per SI procedures including a hydraulic system bleed.

3.B.

If the sound is similar to the Acceptable Pump, proceed with normal SI diagnosis for the DTC which set on the vehicle.

Parts Information

Causal Part	Description	Part Number	Qty
X	Module, Frt Susp Lvlg/Lifting Hyd Pwr Pack	84923536	1
X	Module, Frt Susp Lvlg/Lifting Hyd Pwr Pack	85170579	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
8020450	Front Suspension Leveling/ Lifting Hydraulic Power Pack Module Replacement (Includes: Bleed hydraulic system).	Use Published Labor Operation Time

Version	5
Modified	Released December 06, 2021 Revised January 28, 2022 – Added Suspension Pump Noise to Subject and Condition section and added Additional SI Keywords. Revised August 24, 2022 – Added the 2023 Model Year. Revised September 28, 2022 – Updated Correction section information. Revised August 14, 2023 – Updated Condition, Cause, Correction, Service Procedure, Parts Information, and Warranty Information sections.

Additional SI Keywords: loud, noisy, pump, assembly,
PDI, rattle

