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Preliminary Information

PIC6434 Service Front Suspension Lift System Message Setting A C103C And/Or C103E Symptom 64

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Corvette	2020 - 2021	All	All	All	All

Involved Region or Country	North America and Export Regions
Additional RPO	Equipped with RPO E60 Front Suspension Lift System
Condition	Some technicians may have a vehicle that displays a Service Front Suspension Lift System message on the DIC. Upon closer inspection, they will find that a C103C and/or a C103E sym64 DTCs have also set. Because these DTCs are capable of setting in more than one module on these vehicles, if the technician confirms that these codes are set in the K218 (Front Suspension Leveling / Lifting Hydraulic Power Pack Module), before any diagnosis or repairs are attempted, first check the mileage and service history on the vehicle.
Cause	If there is low mileage on the vehicle or previous service work on this system has been identified, the first thing to consider is possible air entrapment in the system that may be causing this issue.

Correction:

If this PIC describes the concern that the vehicle is exhibiting, attempt to operate the front lift system several times. Determine if the codes will reset or if the system will raise briefly and then sink back down. If this occurs, that may indicate that there is indeed air trapped within the front suspension lift system. As always, follow the published information in SI for these DTCs, paying particularly close attention to "Test B" at the end of the flowchart. First perform the "Prime Front Suspension Pump" procedure with the scan tool five times in an attempt to purge any trapped air bubbles from the system. Next, raise and lower the front suspension system through 10 complete cycles. If the DTCs reset, be sure to perform the Front Hydraulic Suspension Bleed procedure and reevaluate the concern.

As a way to double check the system, a technician can measure the distance between the floor and the lower portion of the vehicle's front fascia. A correctly operating vehicle should reach a front fascia height of at least 35 mm within 4 seconds of pump operation.

Warranty Information

Because the repair may be one of several different service procedures, be sure to select the labor op that most closely matches the actual repair that was made.

Version History

Version	1
Modified	03/23/2021 - Created on.

GENERAL MOTORS