Bulletin No.: PIC6603
Published date: 04/29/2025

Preliminary Information

PIC6603 Diagnostic Tip: Service Headlamp Message - C103D sym28

Models

Brand:	Model:	Model Years:	VIN: from	to	Engine:	Transmissions:
Cadillac	OPTIQ	2025	All	All	All	All

Involved Region or Country	**North America**
Additional Options (RPO)	**TR7**
Condition	**Customer may comment on a service headlamp message on.** **Technicians may find DTC C103D sym28 stored in the K26 Headlamp Control module.**
Cause	**Possible rear suspension automatic forward lighting level position sensor out of position.**

Correction:

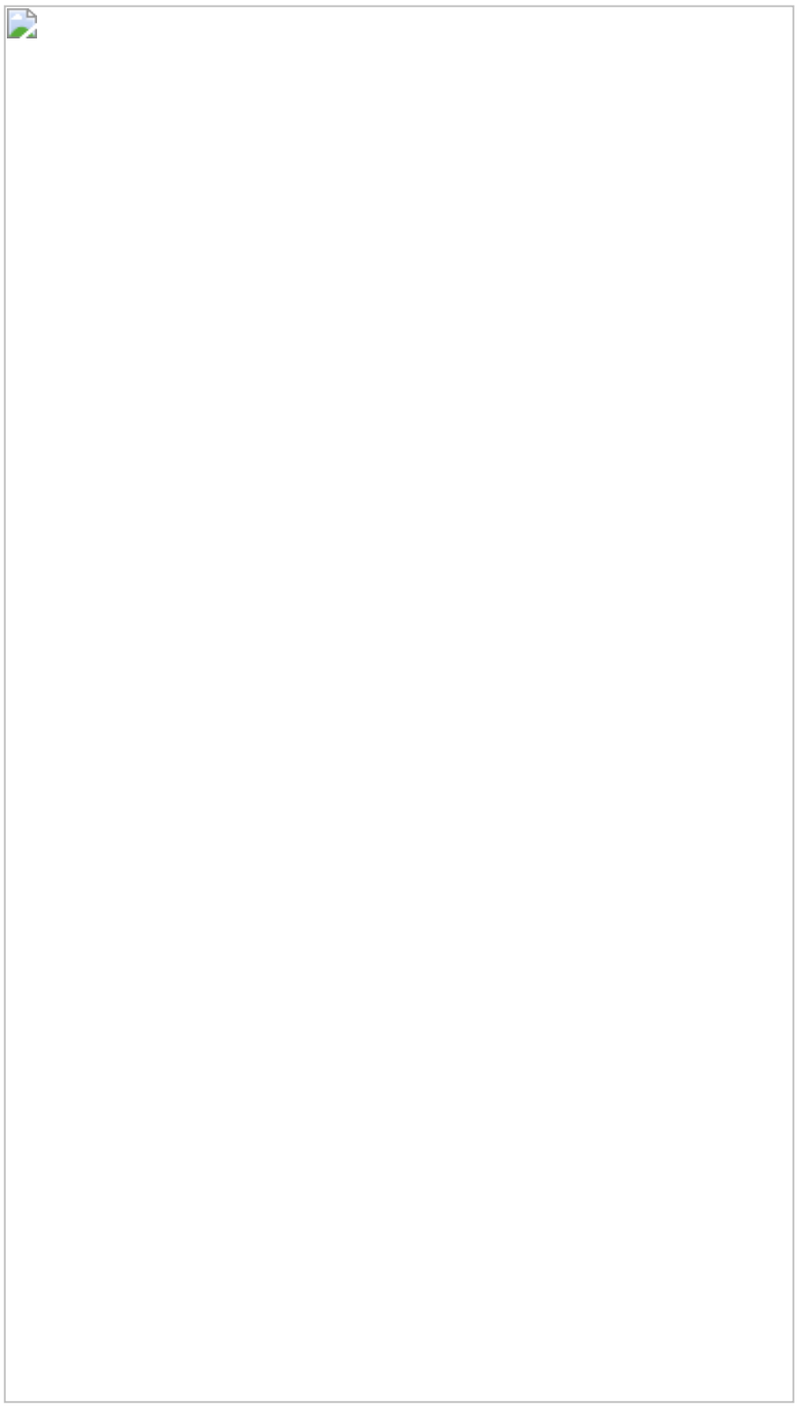
If the DTC C103D sym28 is setting as a current code and the vehicle has low miles (less than 300), 1st attempt to clear the DTC with the vehicle sitting level on the ground.

Note: For all other diagnostic symptom bytes, refer to Service Information for diagnostic instructions.

If the code will not clear, technicians should use the scan tool to check data for the K26 Headlamp Control Module>data display>Rear Leveling Position Sensor Signal.

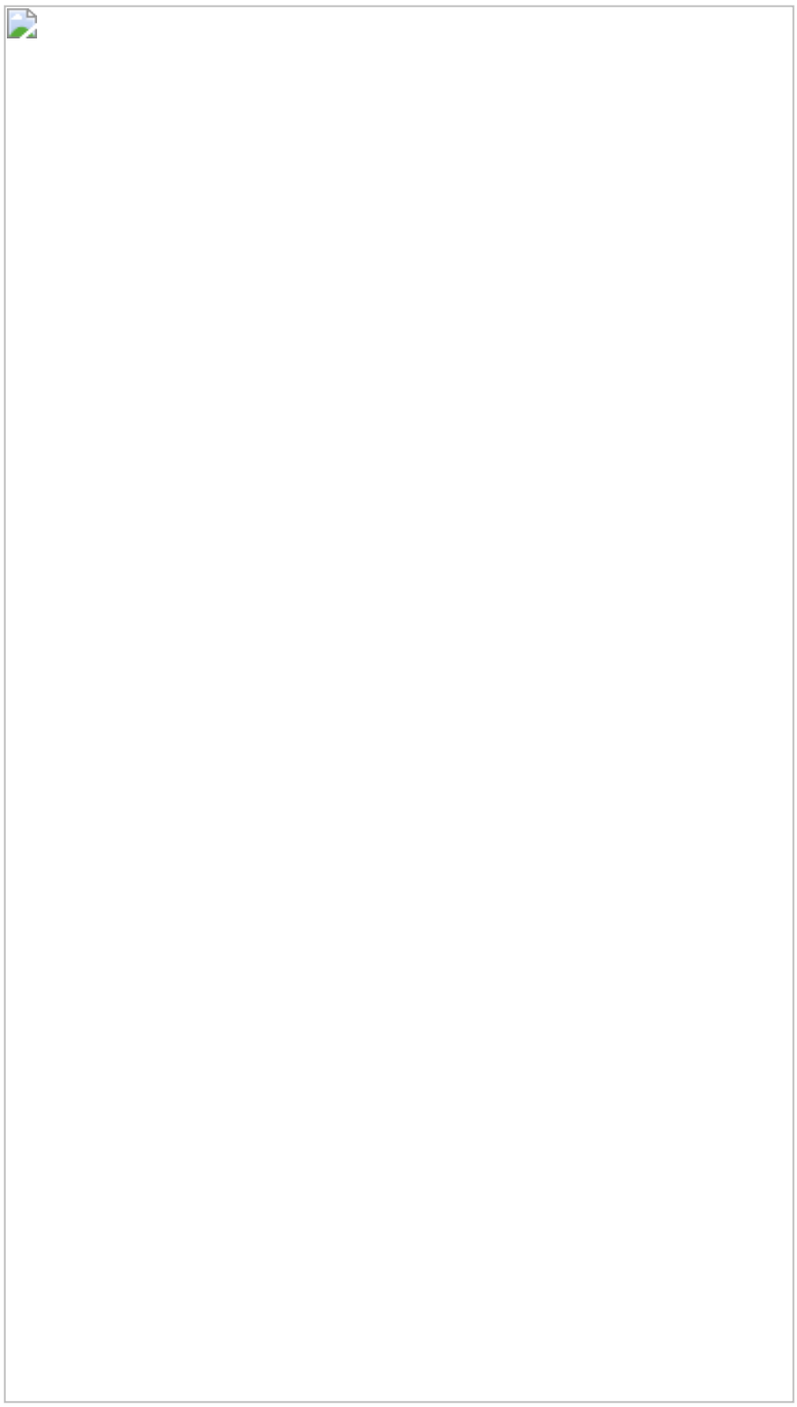
If scan tool data shows that this position to be less than 10%, with the vehicle parked on level ground, inspect the B152R leveling sensor arm for being mis-positioned, damaged or disconnected.

See example of a mis-positioned leveling sensor arm below.



If the sensor is mis-positioned, re-position sensor.

Note: Illustration below shows the correct orientation of the level sensor arm.

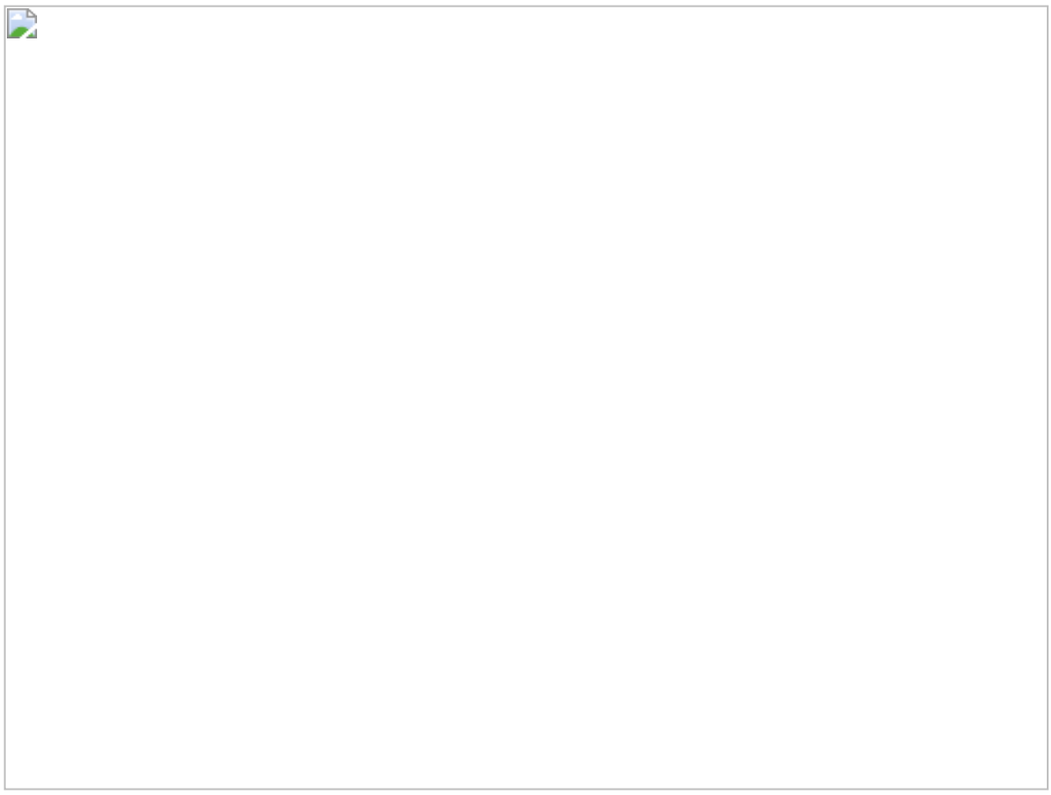


Once the issue is addressed, the technician will need to perform the B152R leveling sensor re-learn following instructions outlined in SI document 5921400.

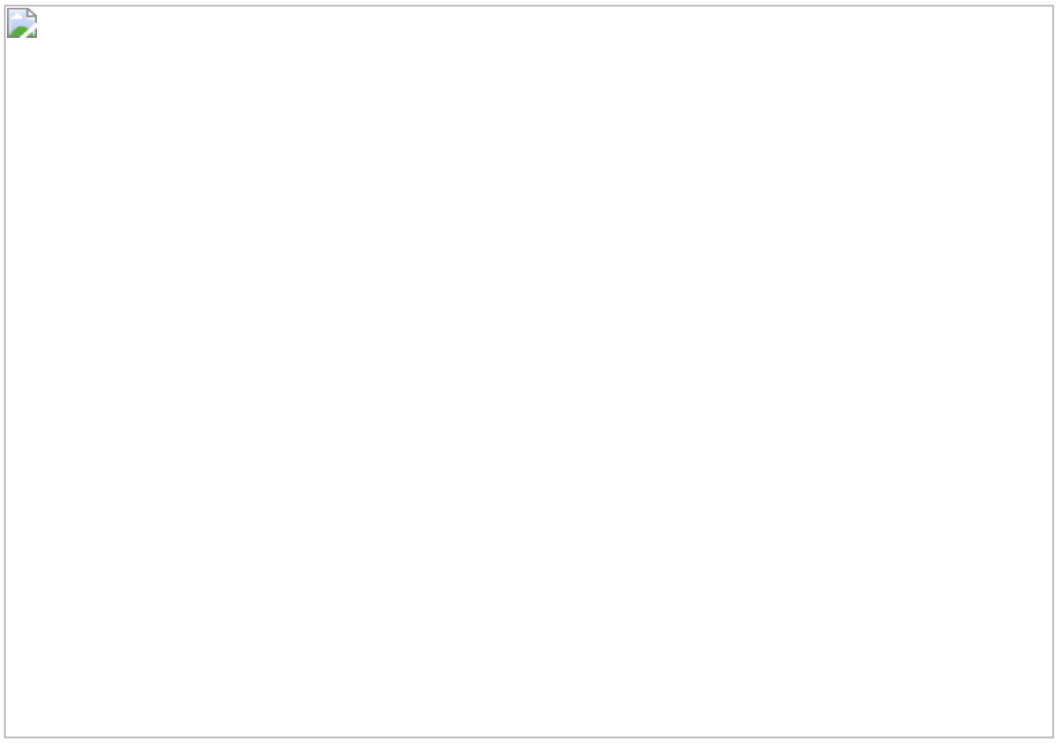
Note: The Front/Rear Leveling Position Sensor Angle scan tool data parameter must be between 33–63% for the learn procedure to calibrate properly. If the parameter is not within 33–63%, check for DTCs and/or damaged sensors.

If the sensor falls short of the minimum target range, less than 33%, jounce the vehicles suspension and re-check position data.

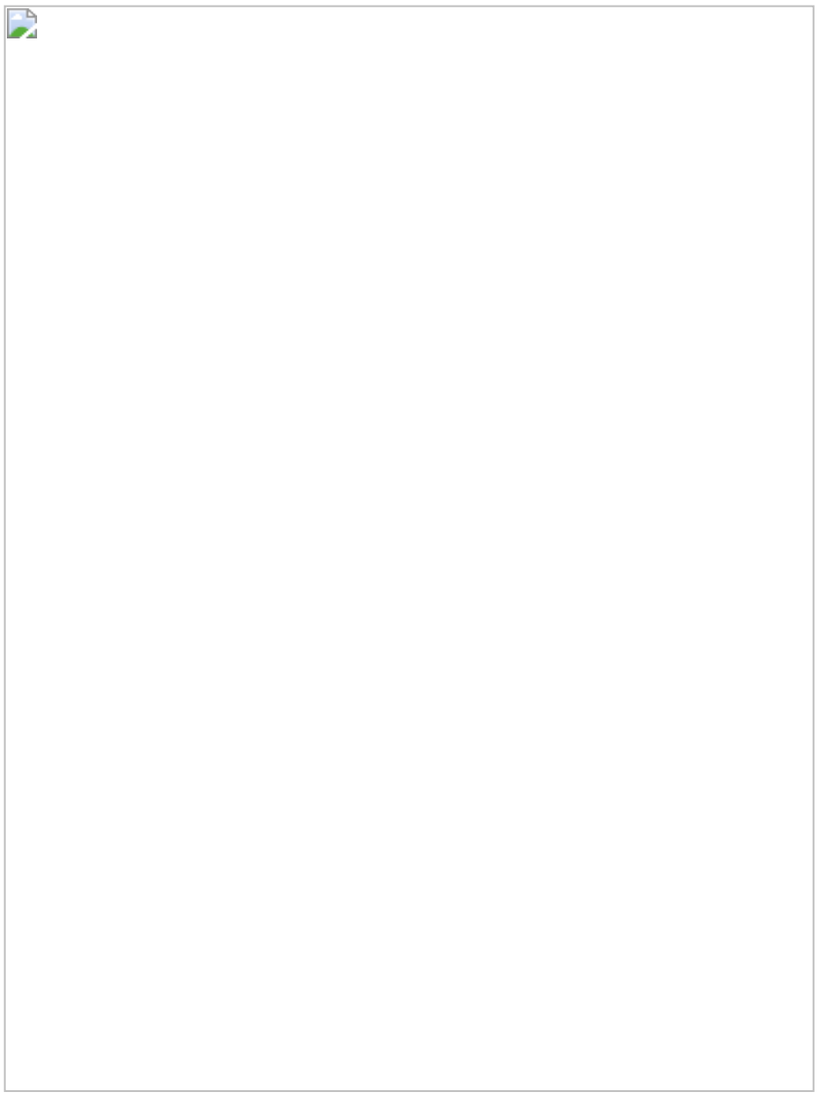
If the sensor reading is still out of the specified range, the tech will need to obtain 3M rubber bumpers.

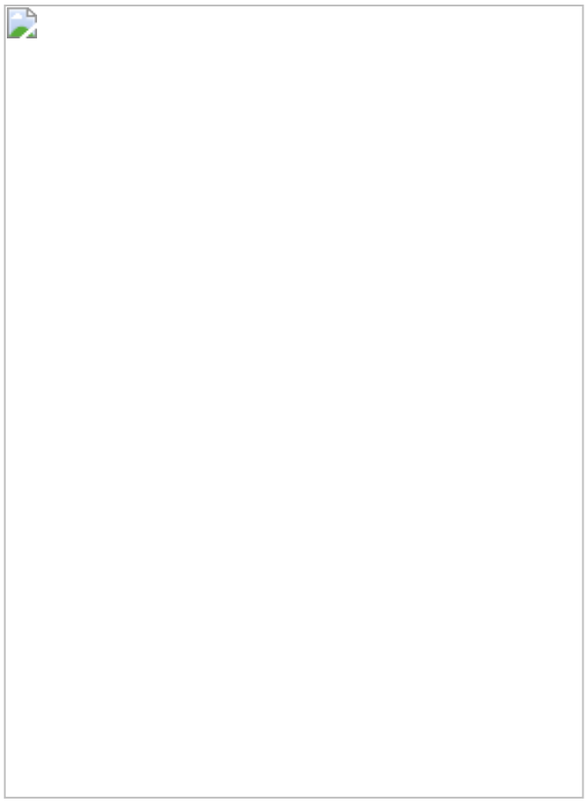


Using one of the rubber bumpers, cut it in half, 10mm x 5mm x 3mm.



Remove the rear leveling sensor and install the rubber bumper as shown.





With the vehicle on level ground, use the scan tool to confirm that leveling sensor reading is now within the specified range of 33-63%.

If ok, perform the leveling sensor learn per instructions found in Service Information.

Parts Information

Description	Part Number	QTY
10mm x 10mm x 3mm SJ-5007 (Black) 3M rubber bumpers	Procure Locally	1

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
2043020	Rear Suspension Automatic Forward Lighting Leveling Position Sensor Replacement	Use Standard Published Labor Time

Version History

Version	**1**
Modified	**04/29/2025 - Created on.**