



Service Bulletin

Bulletin No.: 24-NA-082

Date: May, 2024

TECHNICAL

Subject: Clicking Noise at Slow Speeds

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	LYRIQ	2023	2024	-	-	-	-

Involved Region or Country	North America
Additional Options (RPOs)	Equipped with (RPO NZM or NZN)
Condition	Some customers may comment on a clicking noise at low speeds.
Cause	The cause of the condition may be due to a machining concern that resulted in inserts sitting too low in the wheel. Inserts that are greater than 1.7 mm below the face of the wheel are likely to generate the clicking noise.
Correction	Using a non-metal straightedge and standard feeler gauges measure the distance from the wheel insert to the face of the wheel. Add washer(s) until the insert(s) are flush with the face of the wheel. Note: Do not allow the insert to be higher than the face of the wheel. A distance between the insert(s) and face of the wheel less than 0.5 mm is acceptable if the use of both size washers cannot result in a flush condition.

Service Procedure

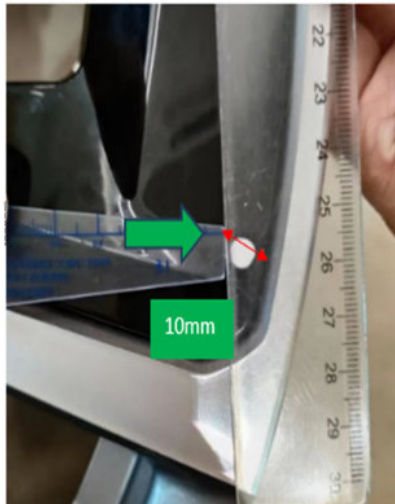
Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. 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.

Dismount tires and Conduct inspection on all wheels for 1.7mm for the height from insert to wheel surface with feeler gauge. Steps are as follows:



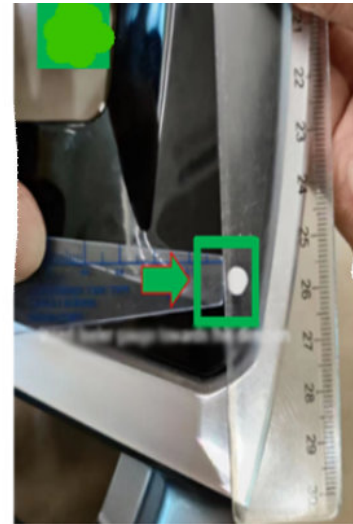
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1. Place the wheel horizontally on work bench. Need to check 2 points (shown with white dots in above illustration) for each of the 6 inserts on the wheels.



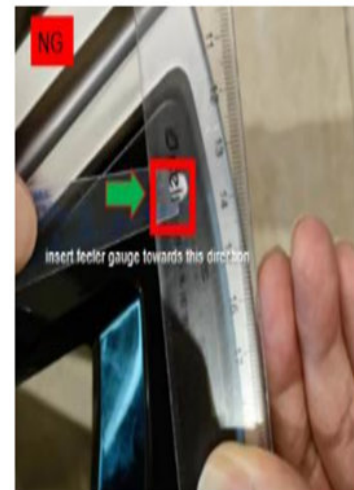
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2. Place the flat bar on the front of the wheel from point 1, covering 10mm of the insert in the width.
3. Insert the 1.7mm feeler gauge between the flat bar and the insert.



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4. If the feeler gauge cannot go through the gap between the ruler and the gauge, the part is OK as shown above.



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5. If the feeler gauge can go through the gap between the ruler and the gauge, it means the insert is sitting too deep.
6. Measure the two points (Point 1 and Point 2 as shown in Step 1).
7. Inspect the remaining five inserts following the same method.

For NOK wheels with Inserts sitting too deep, use below steps to rework the wheels:



6480496

1. Place the wheel horizontally with both hands holding the outer edge of the wheel rim, as shown in above.
2. Flip the wheel and place its face side down on a work table, making sure the work table is clean and covered with foam separator so as not to damage the face of the wheel.



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3. Use the torque wrench to remove the screws as shown above (there are three screws for each insert).
4. Flip the wheel back and place face side up. Carefully set aside the loose unassembled inserts.



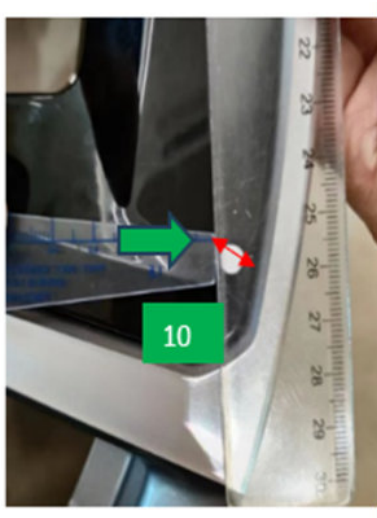
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5. Place one 1 mm and one 0.5 mm washers in each of the 3 insert holes on the wheel, as shown in above. Place the insert on and check to make sure that the insert is not protruding beyond the surface of the wheel. If the insert is sitting below the surface of the wheel, proceed to Step 7.
6. If the Insert is sitting proud of the surface of the wheel per Step 5, continue to remove 1 mm OR 0.5 mm washers, place the insert back on and again check to make sure insert is not protruding beyond the surface of the wheel. Then proceed to Step 7.
7. While holding the insert in place, flip the wheel face side down on a work table, making sure the work table is clean and covered with foam separator so as not to damage the face of the wheel.



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- 8. Use the torque wrench with a torque value of $1.01 \pm 0.1\text{NM}$ to pre-tighten all the 3 screws of the Insert. Use the pattern shown above to tighten the 3 screws. Then proceed to tighten the 3 screws of the insert to a torque value of $1.24 \pm 0.1 \text{ NM}$.



- 9. Flip the wheel back and place face side up. As shown in above, inspect all inserts using the feeler gauge again. If the feeler gauge cannot go through for all 6 inserts, then it is OK part.
- 10. Inspect to make sure the wheel and insert are not damaged during the rework.

Parts Information

Causal Part	Description	Part Number	Qty
N/A	Spacer/Washer	85090804	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.

6480499

Labor Operation	Description	Labor Time
8080758*	Inspect and Add Washer to Wheel Face	0.6 hr
Add	Each Additional Wheel	0.4 hr

*This is a unique Labor Operation for Bulletin use only.

Version	2
Modified	Released May 06, 2024 Revised May 17, 2024 – Revised Labor Times.

