

Rattle Noise When the Sliding Roof Is Tilted Open

Service Category Vehicle Exterior

Section Sliding Roof/Convertible **Market** USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019 - 2022	RX350	WMI(s): 2T2
2018 - 2022	RX450H	WMI(s): JTJ

Introduction

Some 2019 – 2022 model year RX 350 and 2018 – 2022 model year RX 450h vehicles may exhibit a rattle noise from the sliding roof assembly when it is in the tilted open position while driving over a bumpy road. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD2012	Remove the Sliding Roof Glass Sub-assembly, Add Grease to the Entire Contact Surface Area of the Adjustment Nuts, Replace the Adjustment Nuts, and Reinstall the Sliding Roof Glass Sub-assembly.	1.2	63205-0E040	91	43

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Parts Information

PART NUMBER	PART NAME	QUANTITY
63205-48030	Cable Sub-assy, Sliding Roof Drive – Service Kit	1

Rattle Noise When the Sliding Roof Is Tilted Open

Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QUANTITY
T25 "TORX" Socket Wrench	1

Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a rattle noise from the sliding roof assembly when it is in the tilted open position while driving over a bumpy road?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Remove the sliding roof glass sub-assembly.

Refer to TIS, applicable model and model year Repair Manual:

- [2019](#) / [2020](#) / [2021](#) / [2022](#) RX 350:
Vehicle Exterior – Sliding Roof/Convertible: "Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Removal"
- [2018](#) / [2019](#) / [2020](#) / [2021](#) / [2022](#) RX 450h:
Vehicle Exterior – Sliding Roof/Convertible: "Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Removal"

3. Inspect the sliding roof drive cable sub-assembly for looseness and a rattle noise with a wiggle check as shown. Can rattle noise be confirmed at the mating part of the mechanical bracket and rear shoe?

- **YES** — Replace the sliding roof drive cable sub-assembly according to the applicable model and model year Repair Manual.
- **NO** — Continue to step 4.

Figure 1.



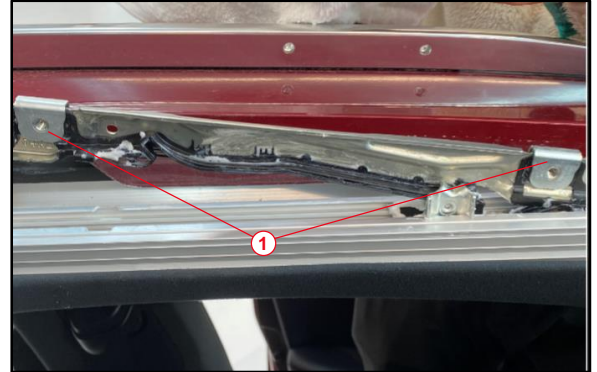
1	Inspect for Looseness
----------	------------------------------

Rattle Noise When the Sliding Roof Is Tilted Open

Repair Procedure (continued)

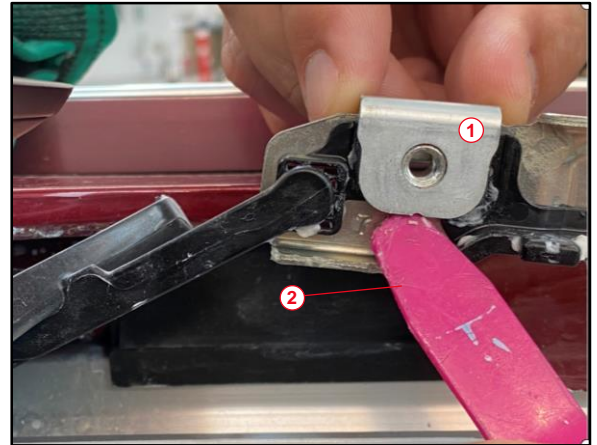
4. Remove the adjustment nuts.
 - A. Remove the nut covers by gently inserting the removal tool and twisting.

Figure 2.



1	Nut Cover
----------	------------------

Figure 3.



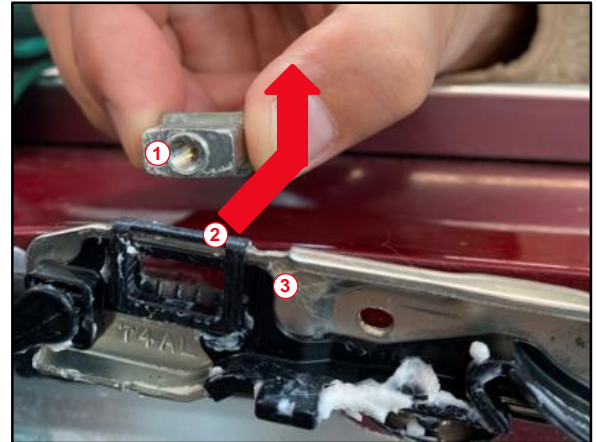
1	Nut Cover
2	Removal Tool

Rattle Noise When the Sliding Roof Is Tilted Open

Repair Procedure (continued)

- B. Remove the adjustment nuts by pulling them out of the mechanical bracket.

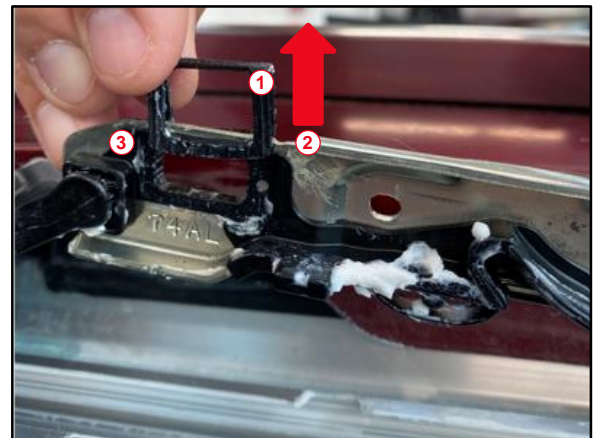
Figure 4.



1	Adjustment Nut
2	Pull Out in This Direction
3	Mechanical Bracket

- 5. Remove the rubber pads by pulling them up from the mechanical bracket.

Figure 5.



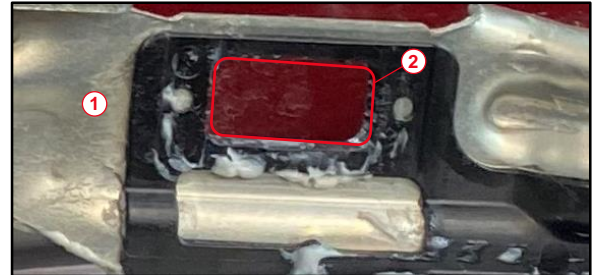
1	Rubber Pad
2	Remove in This Direction
3	Mechanical Bracket

Rattle Noise When the Sliding Roof Is Tilted Open

Repair Procedure (continued)

6. Clean and apply NEW grease to the contact areas of the mechanical bracket.

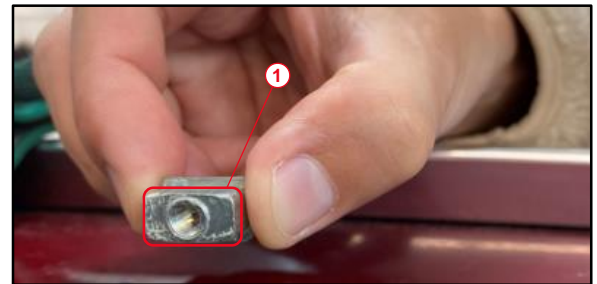
Figure 6.



1	Mechanical Bracket
2	Apply Grease

7. Apply grease to the outer circumference area of the NEW adjustment nut.

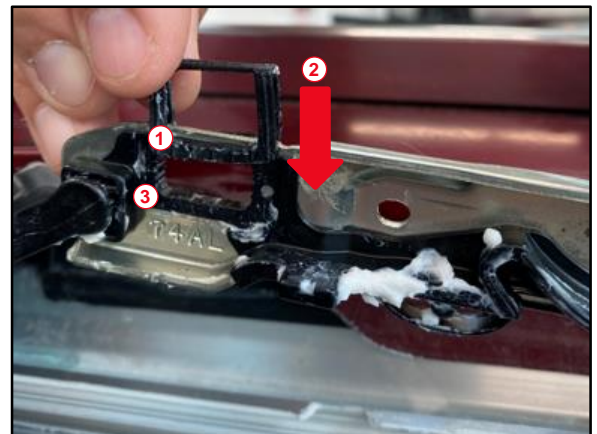
Figure 7.



1	Apply Grease
---	--------------

8. Reinstall the rubber pad to the mechanical bracket.

Figure 8.



1	Rubber Pad
2	Install in This Direction
3	Mechanical Bracket

Rattle Noise When the Sliding Roof Is Tilted Open

Repair Procedure (continued)

9. Reinstall the adjustment nut to the mechanical bracket.

NOTE

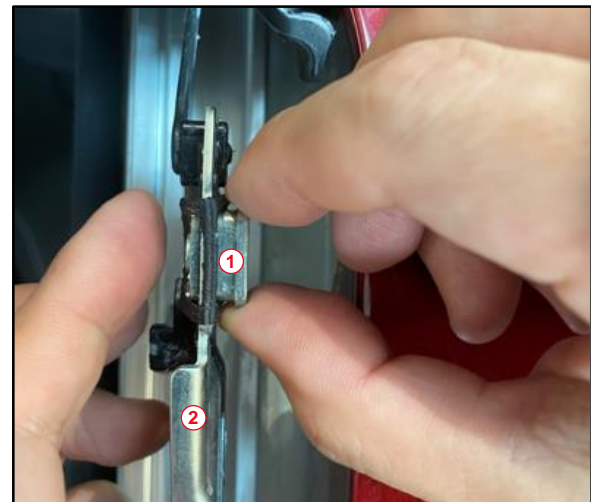
Insert the adjustment nut from outside the vehicle toward the interior.

Figure 9.



1	Adjustment Nut
2	Mechanical Bracket
3	Install in This Direction

Figure 10.



1	Adjustment Nut
2	Mechanical Bracket

Rattle Noise When the Sliding Roof Is Tilted Open

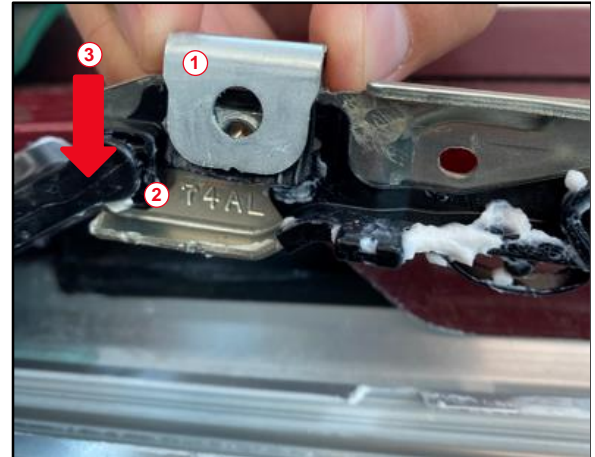
Repair Procedure (continued)

10. Push down the nut cover from the top of the mechanical bracket and insert it firmly.

NOTICE

When installing the nut cover, do NOT interfere with the rubber pad.

Figure 11.



1	Nut Cover
2	Mechanical Bracket
3	Install in This Direction

11. Reinstall the sliding roof glass sub-assembly.
Refer to TIS, applicable model and model year Repair Manual:
 - [2019 – 2022](#) RX 350:
Vehicle Exterior – Sliding Roof/Convertible: “Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Installation”
 - [2018 – 2022](#) RX 450h:
Vehicle Exterior – Sliding Roof/Convertible: “Sliding roof / Convertible: Sliding Roof Housing (for Sliding Roof): Installation”

12. Function the sliding roof assembly (open and close) to make sure there is NO abnormal noise during sliding roof operation.

13. Confirm the condition no longer exists.
Does the vehicle exhibit a rattle noise from the sliding roof assembly at the titled open position while driving over a bumpy road?
 - **YES** — Replace the sliding roof drive cable sub assembly according to the applicable model and model year Repair Manual.
 - **NO** — The repair is complete.