

Moon Roof Leaking During High-pressure Car Wash

Service Category Vehicle Exterior

Section Window/Glass

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2017 - 2022	RX350, RX450H	WMI(s): 2T2

Introduction

Some 2017 – 2022 model year RX 350 and RX 450h vehicles may exhibit water leaking from the moon roof when going through a high-pressure rinse cycle car wash. In most cases, a small amount of water is either missing or bouncing off the rain gutter and dripping into the interior (center console, seat, driver, etc.).

NOTE

The condition may occur when the vehicle is going through a high-pressure rinse cycle or dry-air blower mode car wash with the sunshade in an open position.

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BD2011	Remove Sliding Moon Roof Glass Sub-assembly, add Channel Roof Drip Molding to Drip Tray, and Reinstall Moon Roof Glass.	1.0	63203-#####*	66	57

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

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	QTY
PREVIOUS	NEW		
N/A	63214-48040	Channel, Roof Drip Molding, RR	1

Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QUANTITY
Alcohol Prep Pad Cleaner	1
3M Primer/Adhesion Promoter (Equivalent to SUMITOMO 3M K-500) – 3M-06396	1

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit water leaking from the moon roof when going through a high-pressure rinse cycle car wash?

NOTE

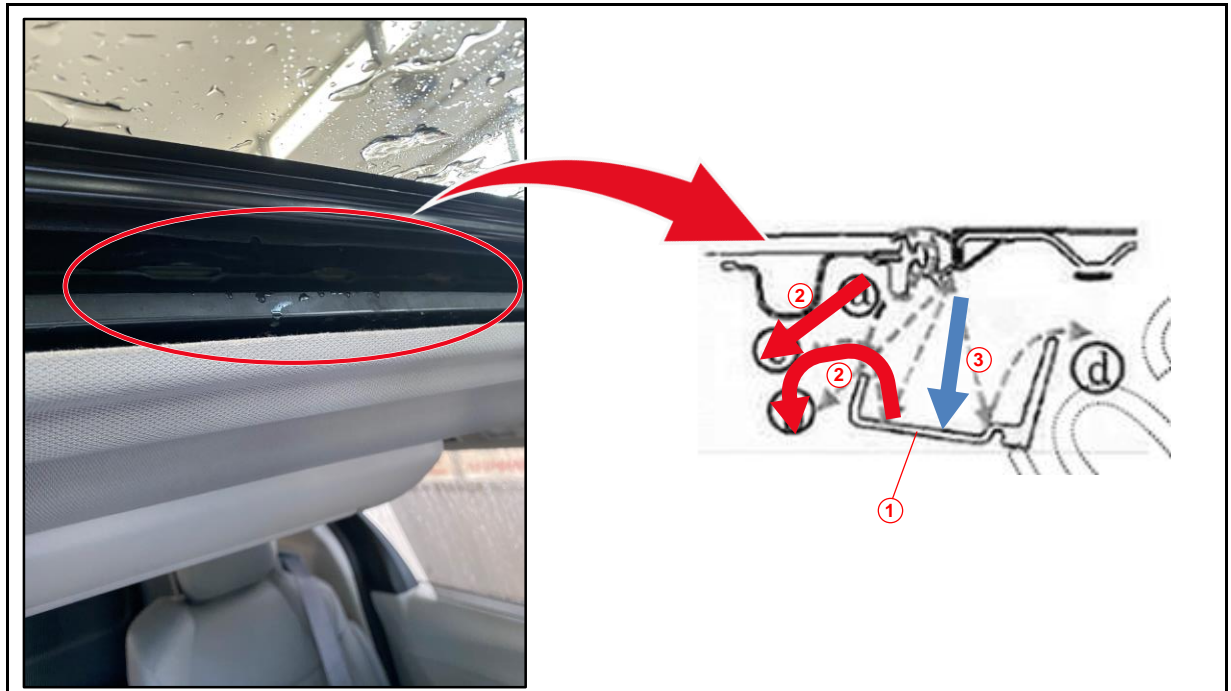
A small amount of water may drip into the interior when the vehicle is going through a high-pressure rinse cycle or dry-air blower mode car wash with the sunshade in the open position.

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

NOTE

If water drips but is contained inside the rain gutter, this condition is acceptable by design (blue arrow in Figure 1).

Figure 1.



1	Rain Gutter
2	No Good Condition — Drips Outside Rain Gutter

3	OK Condition — Drips Inside Rain Gutter
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Repair Procedure (continued)

2. Remove the sliding roof glass sub-assembly.

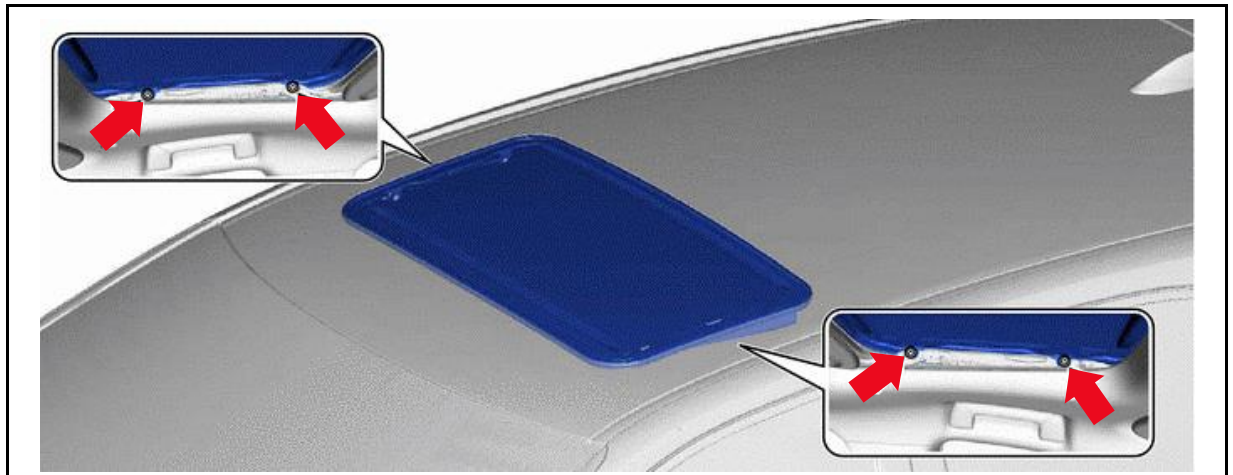
Refer to TIS, applicable model and model year Repair Manual:

NOTE

ONLY perform step 4 of the applicable model and model year Repair Manual.

- [2017](#) / [2018](#) / [2019](#) / [2020](#) / [2021](#) / [2022](#) RX 350:
Vehicle Exterior – Sliding Roof/Convertible: “Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Removal”
- [2017](#) / [2018](#) / [2019](#) / [2020](#) / [2021](#) / [2022](#) RX 450h:
Vehicle Exterior – Sliding Roof/Convertible: “Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Removal”

Figure 2.

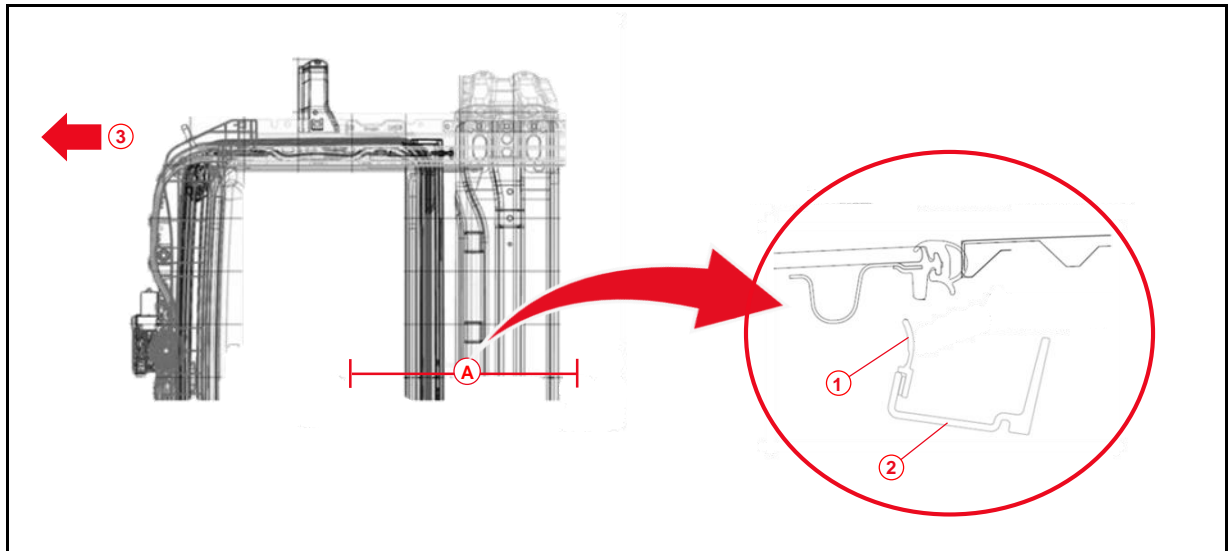


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Repair Procedure (continued)

3. Refer to the figure below for where the NEW Channel, Roof Drip Molding (63214-48040) will be attached to the moon roof assembly.

Figure 3.



A	Cross Section of Moon Roof Assembly
1	New Channel, Roof Drip Molding (63214-48040)

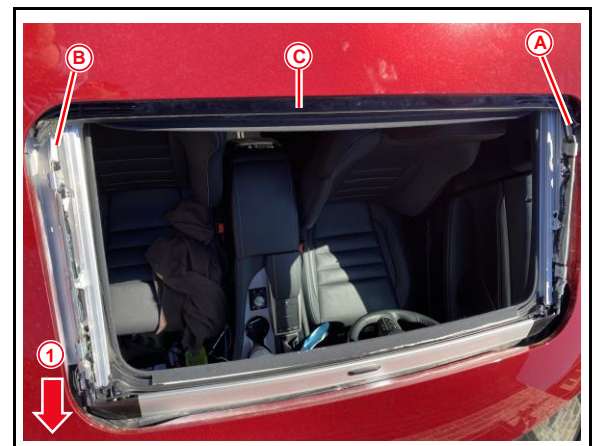
2	Drip Tray Assembly
3	Front

4. Starting from the left-hand pivot arm (A) and working to the right-hand pivot arm (B), use an alcohol pad cleaner to wipe the front wall of the drip tray assembly (C) where the Channel, Roof Drip Molding (63214-48040) will be attached.

NOTICE

Ensure ALL debris and contaminants are removed BEFORE the next step.

Figure 4.



1	Front
A	Left-hand Pivot Arm
B	Right-hand Pivot Arm
C	Wipe Front Wall of Drip Tray

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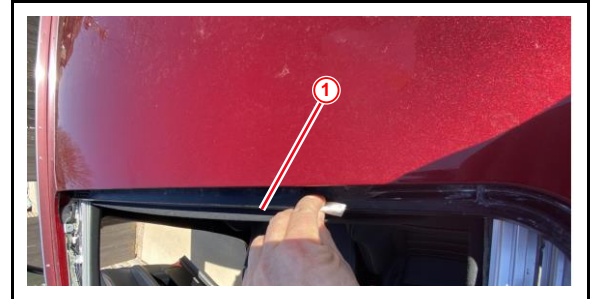
Repair Procedure (continued)

5. Apply 3M™ PAC Primer K-500 to the front wall of the drip tray where the Channel, Roof Drip Molding (63214-48040) will be attached. Primer should be applied to the same cleaning area described in step 4.

NOTE

Allow the area to dry for AT LEAST two minutes and a MAXIMUM of four minutes. Ensure the primer is completely dry BEFORE continuing to the next step.

Figure 5.



1 Apply to Front Wall of Drip Tray

6. Install the NEW Channel, Roof Drip Molding (63214-48040) to the drip tray wall.
 - A. Remove the backing cover from the double-sided adhesive tape.

NOTICE

Protect the tape adhesive from contaminants and sunlight exposure AFTER peeling the backing cover.

Figure 6.



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Repair Procedure (continued)

- B. Attach the double-sided tape to the drip tray assembly. Starting from the left-hand pivot arm (A) and working to the right-hand pivot arm, carefully align the adhesion tape to fully engage and secure to the drip tray wall.

NOTE

Apply the force of 49N (min) (11.015 lbf) and press with two fingers across the entire length of the molding while installing to ensure good bonding of the double-sided tape adhesion to the drip tray assembly.

Figure 7.



A	Left-hand Pivot Arm Starting Point
1	Align Adhesion Tape to Drip Tray Wall

7. Reinstall the sliding roof glass sub-assembly.
Refer to TIS, applicable model and model year Repair Manual:

NOTE

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Vehicle Exterior – Sliding Roof/Convertible: “Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Installation”
 - [2017](#) / [2018](#) / [2019](#) / [2020](#) / [2021](#) / [2022](#) RX 450h:
Vehicle Exterior – Sliding Roof/Convertible: “Sliding Roof / Convertible: Sliding Roof Housing (for Sliding Roof): Installation”
8. Visually check to confirm the molding is attached properly to the drip tray assembly. Open and close the moon roof assembly to make sure there is no abnormal noise due to binding or contact of molding during operation.