Aftersales TSO – Service campaign

MAS002842
(MSC 21-15)

From: Aftersales - TSO
To: Maserati Dealership
Auburn Hills, MI.
December 3, 2021

Service Campaign 430:
M15X MY20-21 Sunroof Water Infiltration

MY20 and MY21 Maserati Sedans are involved in a Service Campaign to check for a possible water leak in the sunroof assembly.

This campaign only involves water infiltration in the circled areas above. Water infiltration in any other area of the sunroof is out of scope of this campaign and must be treated as a separate case/repair.

This campaign is needed due to the possibility of an improperly sealed sunroof that could result in a potential water leak that drips on to the front seat from the lower ribs of the roof panel.

Overview

OVERVIEW

The water infiltration is localized to the areas shown in pictures 1 and 2.

An adhesive bead is applied on the plastic element assembled in the drain channel (pic 2). The adhesive bead is there to seal the interference fit between the plastic element and the frame (pic 3).

Due to a supplier issue, some sunroof assemblies could have a poor seal between the plastic element and the channel (pic3).

Water infiltration could occur in severe conditions (heavy downpours, car wash, etc.)

The scope of this service action is to check the sealing in those areas.

In cases of a poor seal, a specific procedure has been tested to seal the plastic to the frame without removing the Sunroof.

Operational Procedures

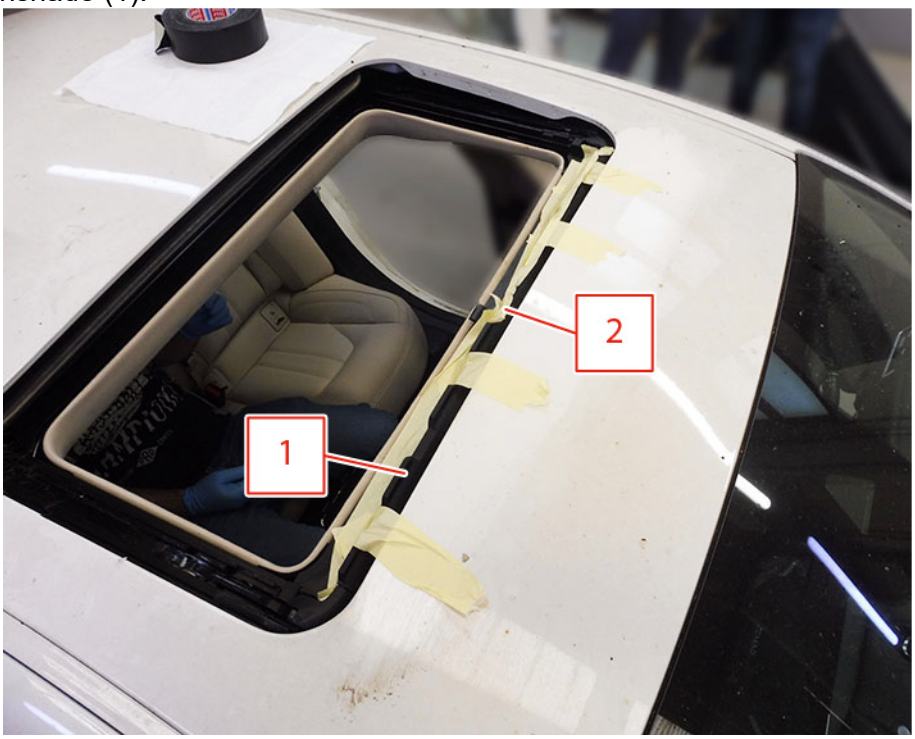
- *Use clean gloves.*
- *Before starting the check procedures, protect the vehicle interior.*
- *Before starting the check procedures, clean the car body.*
- *Before starting the check procedures, protect the car body.*

1. Check in ModisCs+ to see if the vehicle is involved in this campaign and if the campaign has not been previously performed.
2. Make sure the vehicle is on a level surface.

Check Procedures

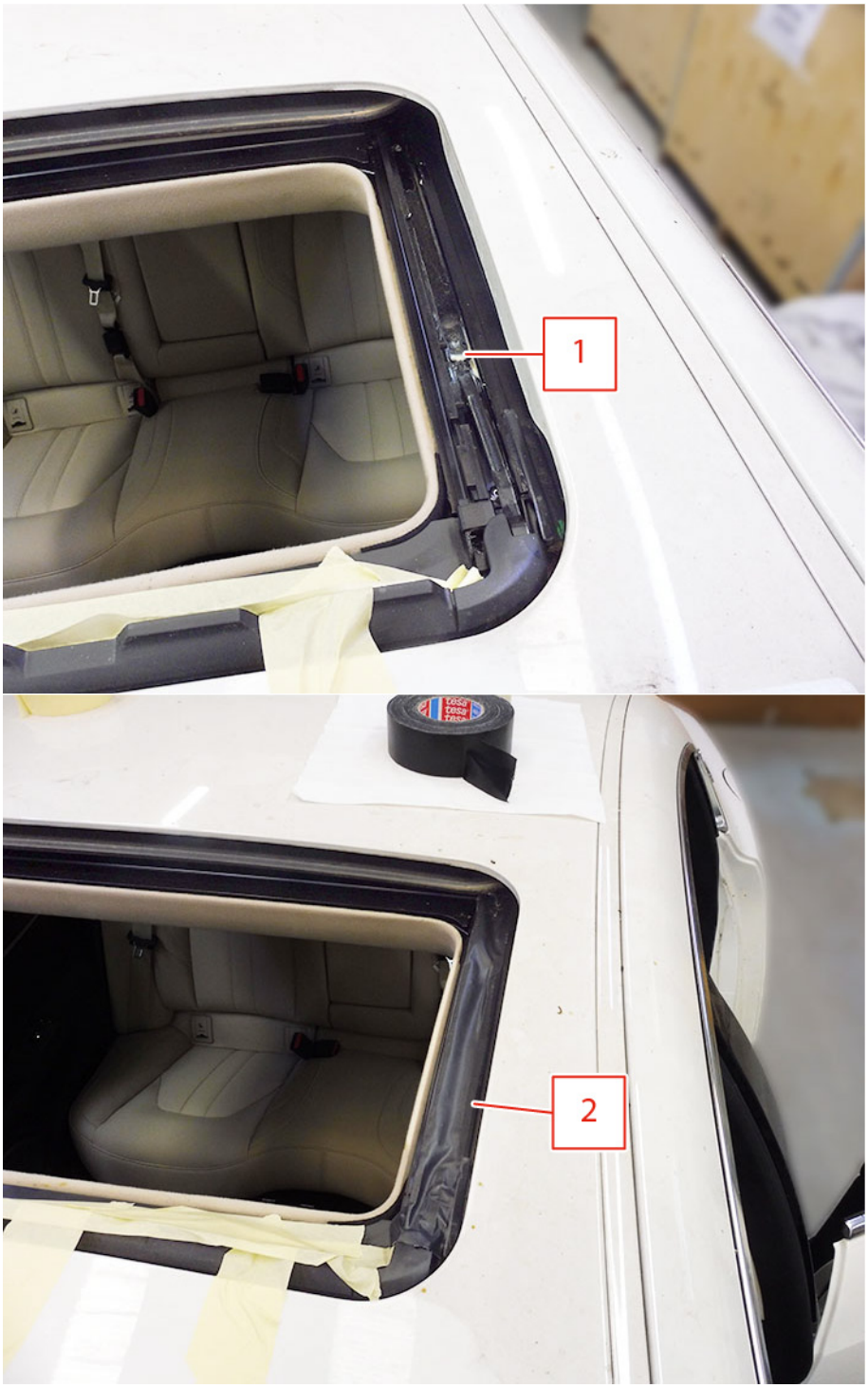
3. Move the front seats forward and recline them.
4. Open the sunroof.

5. With a suitable tape (2), (masking tape, painters tape, etc.) lower and hold down the sunroof sunshade (1).



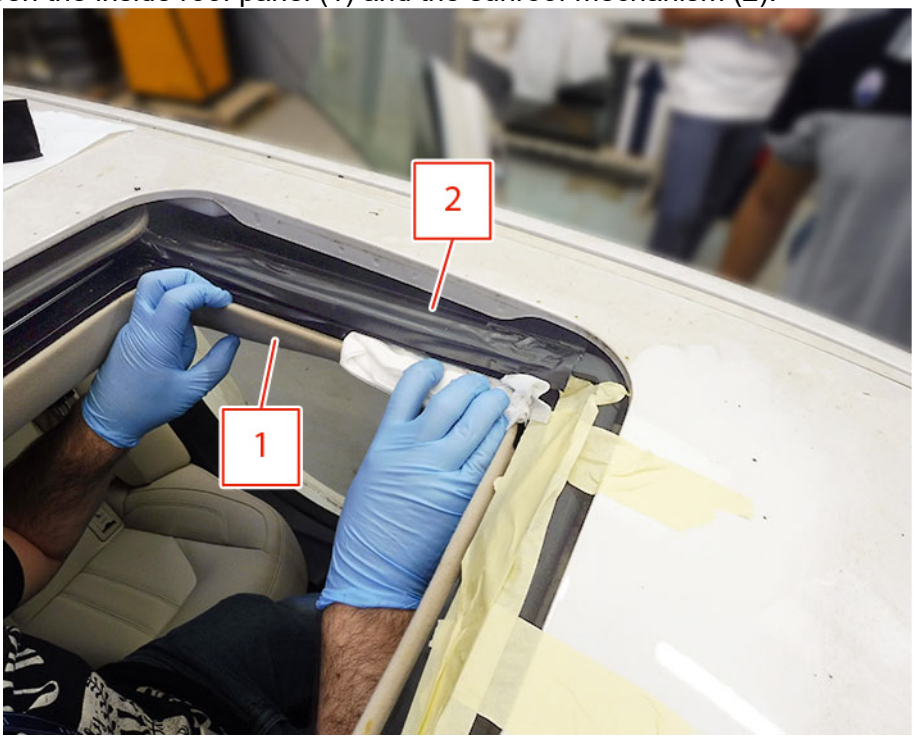
NOTE: Perform the following procedures on both sides of the sunroof opening.

6. With the tape (2) cover the sunroof mechanism (1).



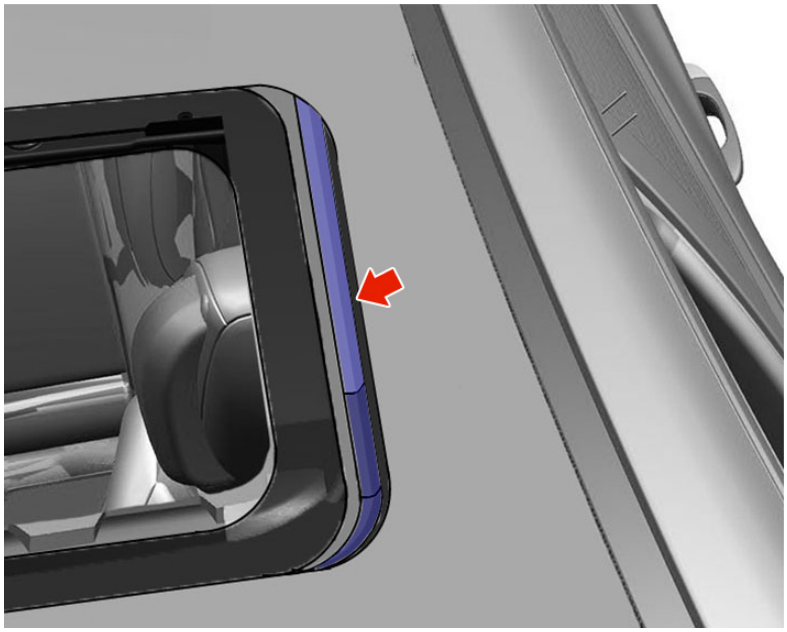
Attention: Be careful not to damage the inside panel of the roof.

7. Carefully position some blotting paper (any dry paper to detect drips; paper towels, tissues, etc.) between the inside roof panel (1) and the sunroof mechanism (2).



8. With a suitable container (1) pour water into the indicated roof drain for about 10 seconds.

- The water should flow from top to bottom with no leaks from the lower roof ribs as shown.
- Attention: Do not to let water enter the car.



9. Carefully remove the blotting paper (1) and check to see if it's wet.

10. Check the condition of the blotting paper. If:

    Blotting paper **dry** → OK. Remove the protections.

    Blotting paper **wet** → NOT OK. Follow the procedures in **Reworking.**

These procedures are used to check that there is no water infiltration. Under normal conditions, the water flowing into the draining channel should not reach the paper. Only if there is a bad sealing, the water can wet the paper.

Reworking

11. Dry the roof drain channel with a suitable cloth as shown.

- Wait at least 2 hours for the affected area to dry before proceeding with the following operations.
- The following operations refer to the RH side but are also the same for the LH side.
- Carry out the operations on the leaking side/s.

12. With suitable tape (1) protect the car body as shown.

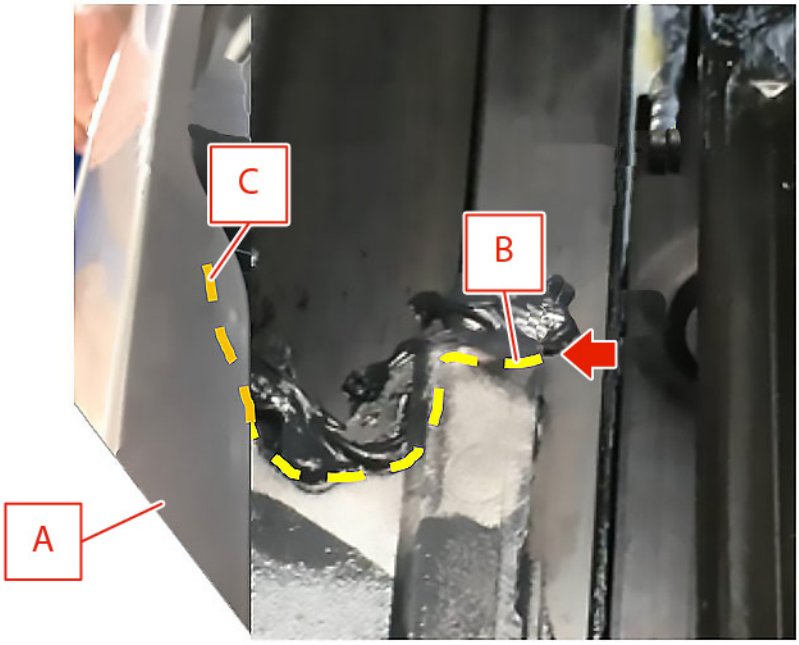
- Do not handle the sealant inside the car.

13. With a suitable tool (1), apply the sealant as shown.

A. Body of the car;

B. Sealant;

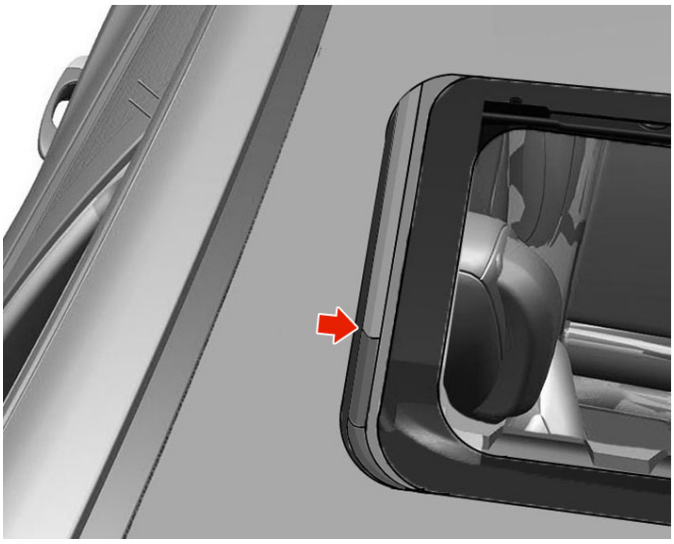
C. Sealant applied under the Body.



14. Order directly from Wurth: Super RTY Silicone black 200 mL sealant P/N: 08933311.
15. One tube can be used to seal ten sides.

16. Use Special Tool PN: 900030743 for sealant spreading. This tool is necessary to spread the sealant inside a blind area that is difficult to reach with normal equipment.

17. Position the tool (1) under the body (2) and move it to the indicated point as shown below.



18. Move the tool up and down to spread the sealant up under the body.

19. With the tool PN 900030743 apply a bead of sealant as shown below.

Wait at least 3 hours for the sealant to dry.

20. Follow the **Check Procedures** above (steps 6 through 10) to verify that there are no more leaks.
21. The procedures shown above are for the LH side. Perform them on the RH side also.

Spares Parts Information

- For this campaign, one tool PN: 900030743 will automatically be sent to each Dealer from the Maserati Parts Department.

- The sealant must be purchased directly from Wurth, p/n: 08933311. The sealant must be claimed using pseudo-code PN 980157115*
  - One tube (200 ml) must be used to seal 10 sides (5 cars/both sides).
  - You can claim one PN 980157115* for every 5 cars.
  - Request the refund related to the entire tube on the first completed vehicle.
  - If the local cost of the sealant exceeds the amount reimbursed, request the surplus in a sublet, attaching the purchase invoice to the warranty claim.

- Request the refund related to an entire tube on the first vehicle this campaign is performed on.

Pseudo PN to be used only for the reimbursement

Warranty Claim

Complete the warranty claim as follows:

Description	Code
Campaign Number	430
Warranty Code	23
Fault Code	063
Component Code	9.71.001
Operation Code *CHECK* *CHECK + REWORK ONE SIDE* *CHECK + REWORK BOTH SIDES*	 9.71.001.A (0,20) 9.71.001.B (0,40) 9.71.001.C (0,50)

PARTS	Code
Special Tool 1 for each Service Point	PN 900030743
Sealant To be provided locally 1 for each 5 cars sealed **PN to be used for the reimbursement*	PN 980157115*

If you have any questions, contact your Regional AfterSales Manager or the Maserati Technical Support Helpdesk.

Thank You for your continued support and cooperation.

Maserati North America Inc.
AfterSales Dept.

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