

Advanced Technical Information

Bulletin #: 1903 Part ID: 6006

Panoramic Roof Water Management

Vehicles Affected

Model	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Panamera	As of 2014	970; 971	N/A	N/A
Cayenne	As of 2005	92A; 9YA	N/A	N/A
Macan	As of 2015	95B	N/A	N/A

Revision History

Revision	Release Date	Changes
0	March 11, 2019	Original document

Customer Concern

The customer complains of water leaking into the interior of the vehicle.

Technical Background

The components installed in the vehicle for the panoramic roof work together to manage water intrusion as a system. There are three primary components working together.

- 1. The outer seal seals the body to the glass to stop water from coming in. This is the first line of defense.
- 2. The frame of the panoramic roof water channels are built into the frame, any water making it past the first line of defense is handled by this second line of defense.
- 3. The front and rear drains receive water from the frame and provide a path for water to exit the vehicle at the wheel wells.

Service Information

If enough water has made it into the vehicle to be noticed by the customer and cause damage, the first line of defense has definitely been breached.

- The external seal(s) fit and condition should be carefully inspected and adjusted, or replaced as necessary.
- Make sure the glass panels and frame are centered in the body opening to get the best sealing performance.





AfterSales



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Service Information (continued)

The second line of defense needs to be inspected to see if the frame connections are leaking. A bead of butyl sealant is used at each corner to seal the ends of the frame to the guide rails of the frame.



- If a leak is found at a corner(s), the frame must be replaced.
- NOTE: A recent analysis found that 2/3 of the frames replaced on a particular vehicle with this system did not have the outside seal replaced.
 - o This could continue to allow water in after the new frame is replaced.
 - o Please carefully evaluate the seal condition and fit as mentioned above.

The drains need to be inspected

- To insure proper connection at the roof frame
- To make sure no leaks are coming from the hose anywhere
- To insure that the end of the drain is not clogged and causing water to accumulate and overflow into the interior.

Production Solution

An investigation is currently ongoing regarding the sealing of the large roof frame for the Macan. This bulletin will be updated with relevant information when it is available.

Warranty

This bulletin is informational regarding the water management of the roof system. It is not for a specific repair procedure.

Additional Information

Please include photos of the actual failure of the component in the PQIS job. There are lots of photos of water damage and not many photos of the cause of the damage. The cause is the most important piece of information.

Search Items

Water leak; Roof leak; Panoramic roof; Panoramic; roof; drains; clog; seal; frame; glass

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