



Panoramic Roof Track Adjustment

Classification	Repair Bulletin	Section/Group	24 - Roof	Country/Region	All
Year	2013-2014	Model	Model S	Version	Panoramic Roof

Bulletin Classification: *This repair bulletin provides instructions and guidelines for a noted condition or a customer concern. The information provided can address a broad range of known or perceived issues with the operation of Tesla vehicles. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electricity repairs, and should only be executed by trained professionals. Tesla Motors assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.*

Condition

On some vehicles, the panoramic roof tracks were modified on the production line in order to improve roof operation. Later firmware updates further improved roof operation on most vehicles. However, some vehicles might still require physical adjustment of the roof tracks.

Correction

Upon customer complaint that the panoramic roof does not close evenly or does not latch securely, ensure that the vehicle has the latest firmware installed, then use the panoramic roof track adjustment tool to inspect and adjust the roof tracks.

Special Tool(s): 1047952-00-A Panoramic Roof Track Adjustment Tool

Correction Description	Correction	Time
Vehicle Inspection Only; Roof Track Adjustment Not Required	S011424003	0.1
Firmware Update; Inspect/Adjust Both Roof Tracks	S021424003	0.5

Procedure

1. Ensure that the vehicle has the latest firmware installed.

NOTE: Steps 2 and 3 explain how to prepare the panoramic roof track adjustment tool.

2. Release the screw from the tool body (Figure 1).

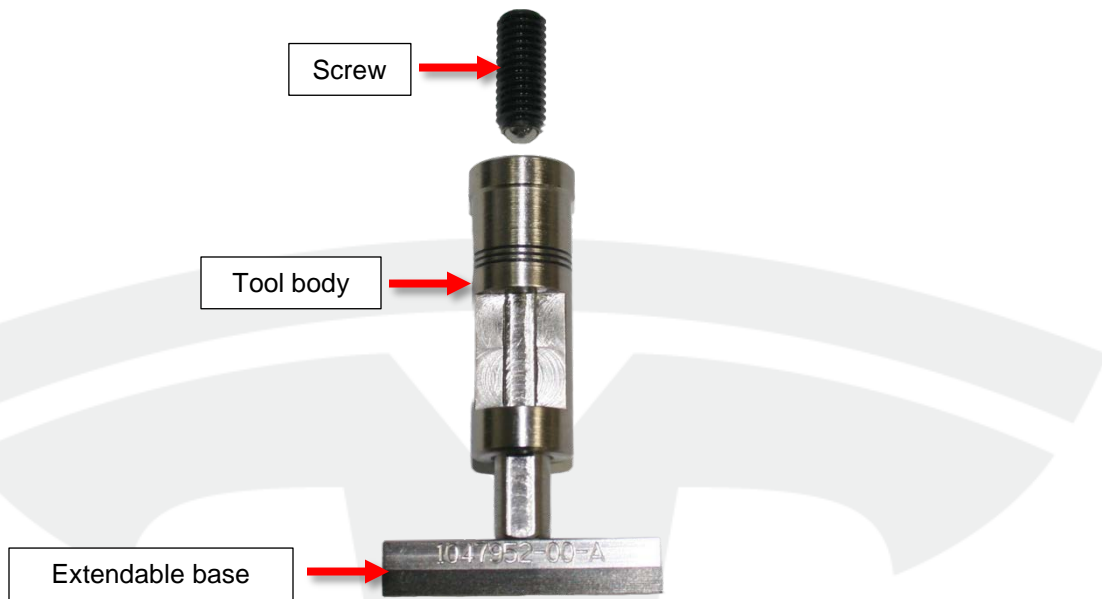


Figure 1

3. Push the extendable base all the way into the tool body. While loosely holding the base in place, hand-tighten the screw into the top of the tool body until the extendable base starts to move.

4. Fully open the panoramic roof.

NOTE: Perform steps 5–10 on both sides of the vehicle.

5. Peel back the outer trim seal to expose the flange on the outboard section of the roof track above the B-Pillar (Figure 2).

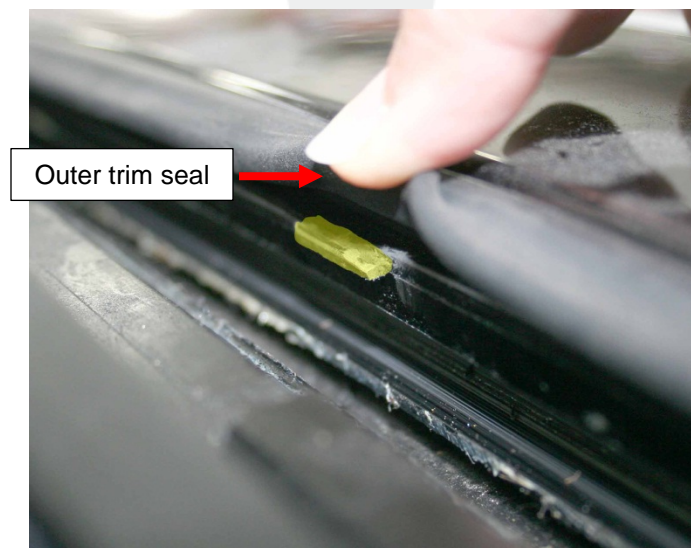


Figure 2 (Flange highlighted in yellow)

6. With the gauge facing toward the front of the vehicle, hold the tool vertically inside the panoramic roof track so that the lip on the center of the tool body presses upward on the flange (Figure 3). The extendable base slides out of the tool body and rests on the base of the roof track.

⚠ CAUTION: Ensure that the flange overlaps the lip on the tool as much as possible.

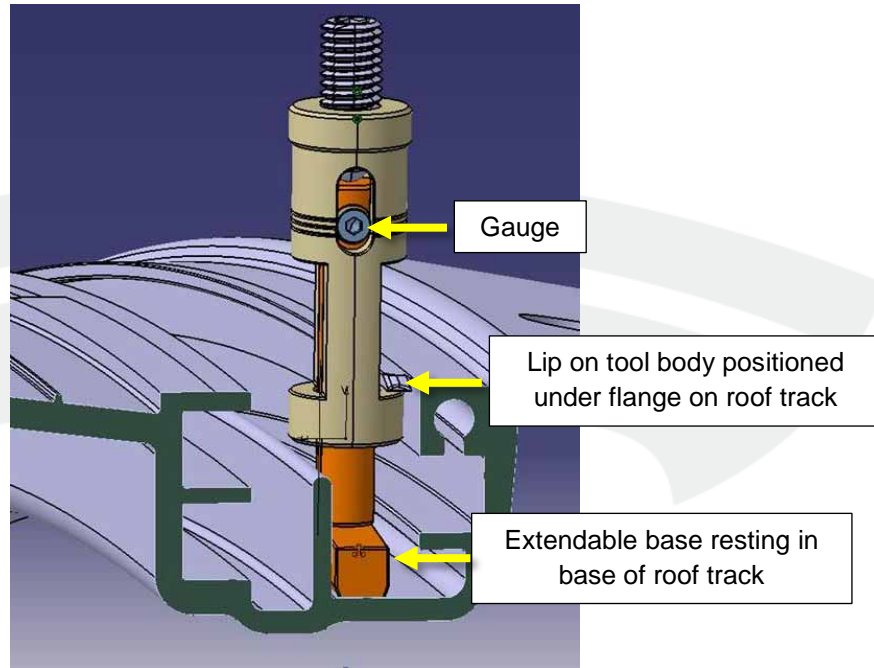


Figure 3

⚠ CAUTION: While performing steps 7–9, hold the tool so that it is vertical; do not allow the outer trim seal to angle the tool inboard.

7. Inspect the gauge on the side of the tool body:
 - If the center of the gauge is below the middle measuring line (Figure 4), the track does not need to be adjusted. Discontinue work on this side of the vehicle.
 - If the center of the gauge is above the middle measuring line (Figure 5), continue to the next step in this procedure.

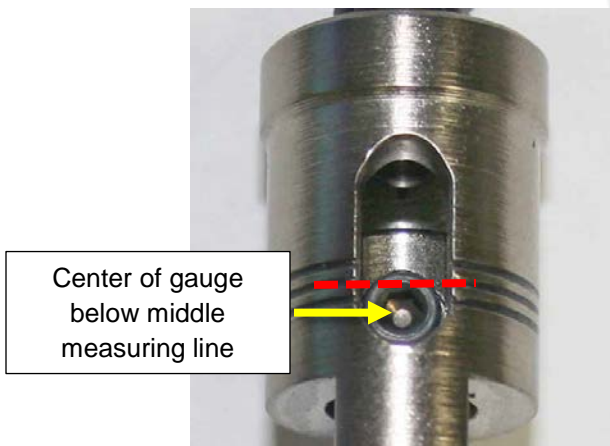


Figure 4

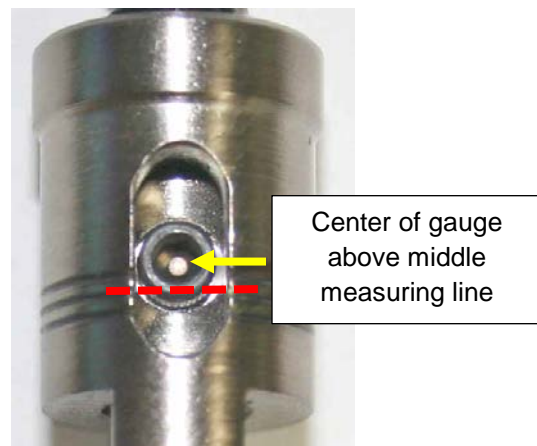


Figure 5

8. While observing the gauge, use a 4 mm hex wrench to slowly tighten the screw into the tool body. When the center of the middle gauge aligns with the middle measuring line, stop tightening the screw, but continue to hold the tool body in place.

NOTE: Continue to hold the tool body in place until after step 10.

9. Remove the screw from the tool body.

10. Very loosely hand-tighten the screw back into the tool body. When the screw begins to encounter resistance, inspect the gauge:

- If the center of the middle gauge aligns with the middle measuring line, the track is properly adjusted.
- If the center of the middle gauge is above the middle measuring line, repeat step 8.

NOTE: Before continuing this procedure, ensure that steps 5–10 have been performed on both sides of the vehicle.

11. Verify normal panoramic roof operation.

Affected VIN(s) Affected Model S vehicles with panoramic roofs built between approximately December 3, 2013 and March 1, 2014.

NOTE: This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

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