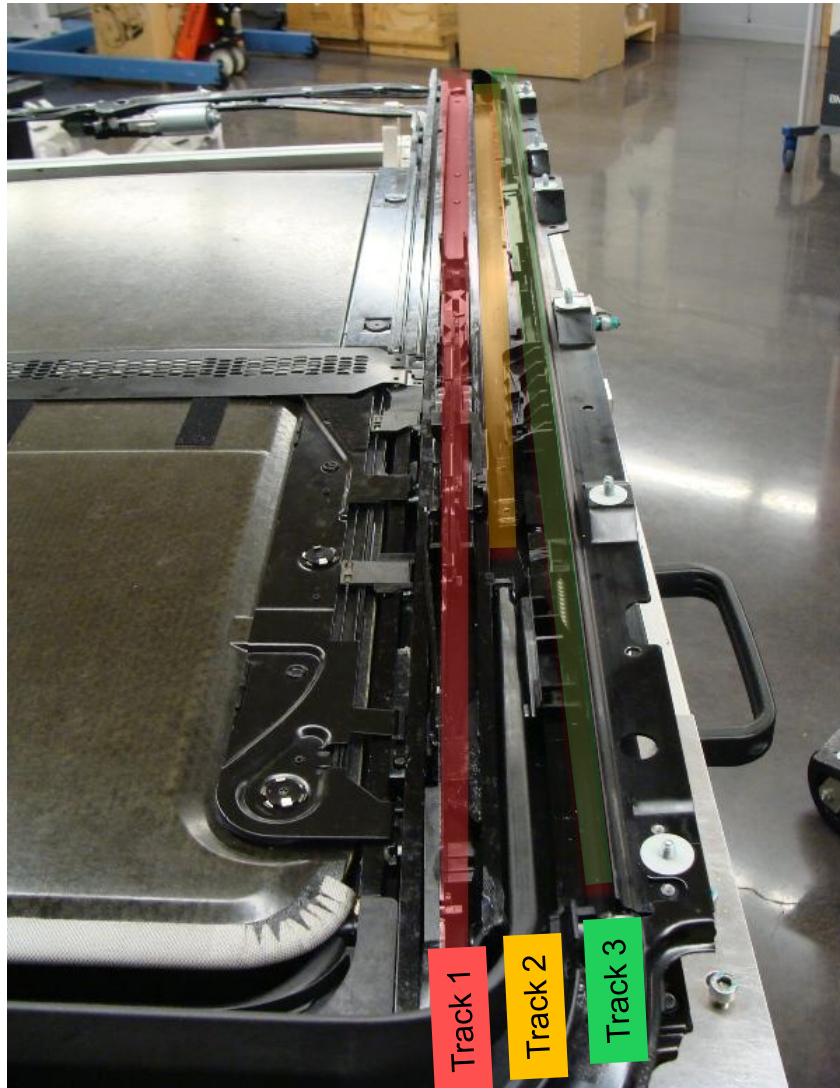


Sunroof Cassette Wind Deflector Mechanism Replacement



The following instructions demonstrate the removal and installation of the Wind Deflector Mechanism of the cassette located the front part of Track 3.

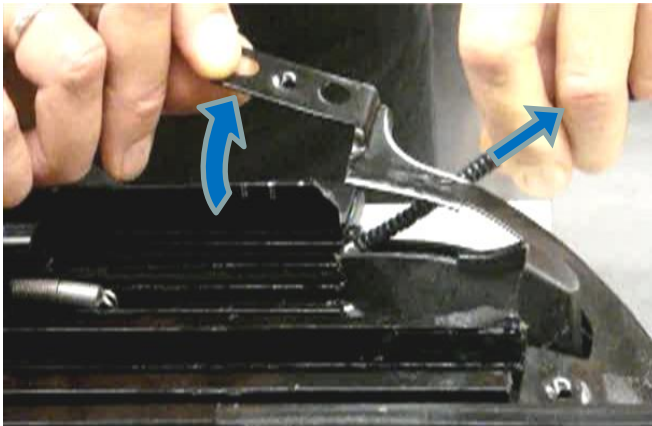
These instructions are a supplement to Repair Instruction REP 54 10 030, available via ISTA.

NOTE:

- These instructions display the procedure for the right side of the sunroof only. The left side is a mirror image of the right side, and the repair is carried out the same way.
- Regardless of which side has failed, both the left and right side mechanisms should be replaced.
- The drain channels and the front motor must be removed prior to performing this procedure.
- The following procedure begins with the sunroof cassette already removed from the vehicle.
- This procedure is required when replacing the drive carriage for the wind deflector. If replacing just the wind deflector itself or its pivot points, it is not necessary to remove the front and rear glass mechanisms.

Remove Wind Deflector Mechanism

1. Remove the rear glass mechanism per [SIB541309 Rear Glass Mechanism.pdf](#) in order to access the wind deflector mechanism located at the front of the cassette.



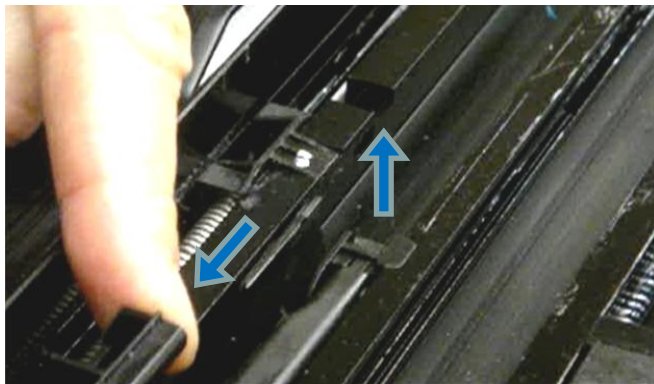
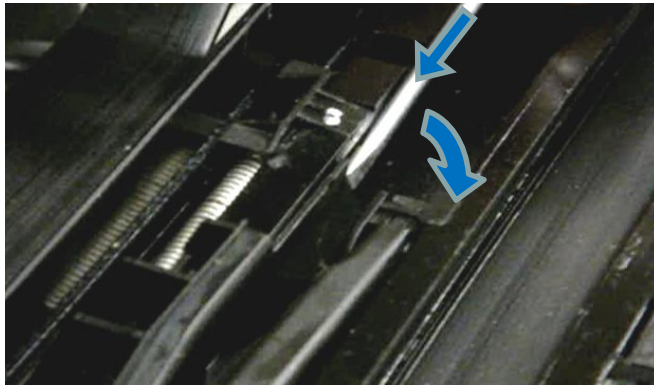
2. Remove the Sunshade Drive Cable

Note: The Sunshade Drive Cable is located in the lower track.

- a) Lift up the corner of the rear cover plate and pull the cable out of the track.
- b) The cable does not need to be removed completely from the cassette. The last few inches of the cable may stay in to aid in the reinstallation of the cable.

Note: If the cable becomes kinked during removal or installation, it must be replaced.

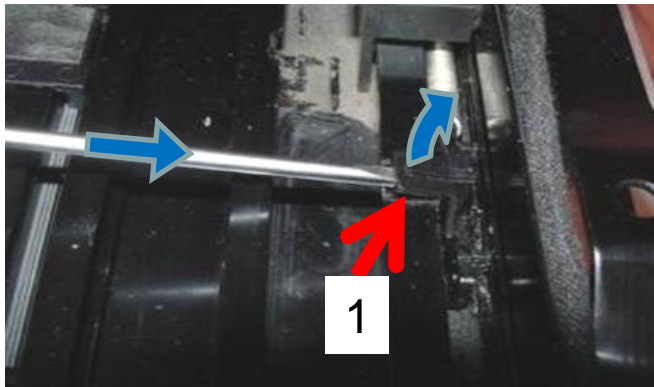
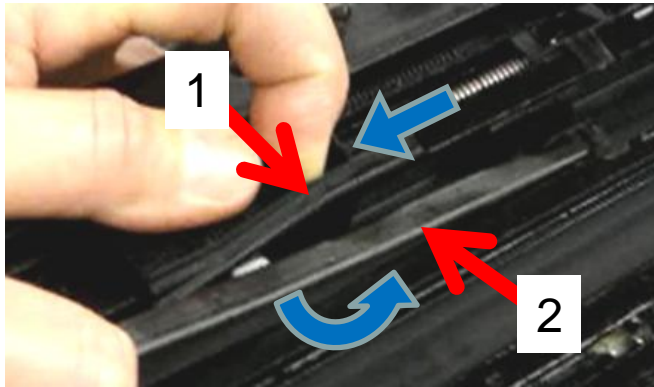




3. Remove the Wind Deflector Pivot Point

Note: Removal of the wind deflector net from the front of the cassette is not required.

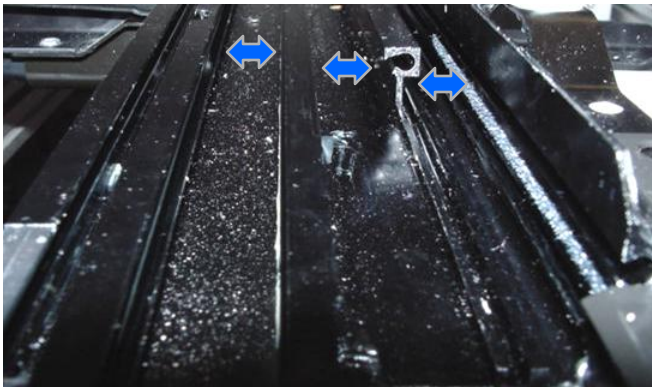
- a) Insert a flat head screw driver between the track and the inside edge of the wind deflector pivot point, while the wind deflector arm is still attached.
- b) Rotate the screwdriver to unclip the pivot point.
- c) The front edge of the pivot point is under the wind deflector control slide. Press the wind deflector control slide forward while lifting the pivot point up and out of the track.
- d) With the pivot point out of the track, rotate the pivot point 90 degrees upward, in order to separate it from the wind deflector arm.



4. Remove the Wind Deflector Fixation Point Spring and Control Slide

- a) Unhook the wind deflector from the control slide by pulling the control slide (1) forward, and the wind deflector arm(2) down and inward.
- b) The control slide now moves freely back and forth.
- c) Insert a flat head screw driver between the fixation point retaining tab (1) and the notch in the track.
- d) Pry the retaining tab up and out of the notch.
- e) Push the retaining tab up and out of the notch.
- f) Push both the fixation point and control slide to the rear end of the track
- g) Remove them from the track.

Clean and Lubricate



Clean:

Use a small brush, and brush all dirt, dust, broken parts, etc. to the back and out of the track.

Make sure all 3 tracks are clean.

All parts are guided by the outside walls of each track. Therefore it is very important to get these sides clean.

In addition, clean the top and bottom of the tracks to improve the water flow.

Information:

Dusty, dirty tracks and/or leftovers of replaced parts can cause:

- Leakage, because the drainage system can become clogged.
- Leakage because the water does not flow fast enough.
- Noises.
- Functional problems.
- Functional failure.

Lubrication:

Make sure you use the recommended “special grease” for the sunroof.

Use a small brush to spread the grease evenly into the tracks. Grease only the surfaces, where parts are sliding on.

Do not use an excessive amount of grease.

Only grease the surfaces and areas where parts are sliding, pivoting, or turning.

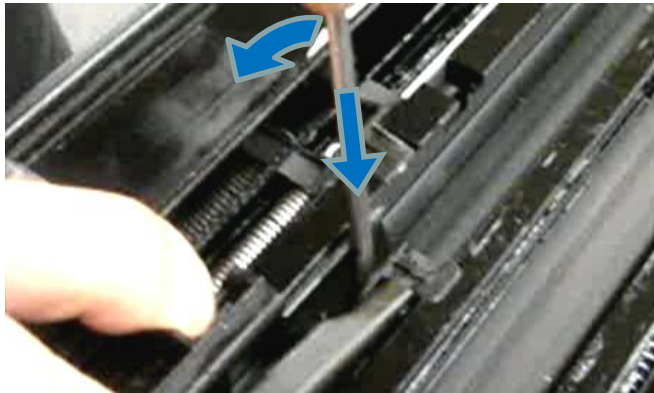
Avoid getting grease in areas with no moving parts.

Installing the Wind Deflector Mechanism



1. Install the Wind Deflector Fixation Point Spring and Wind Deflector Control Carriage
 - a) Prepare both new parts by attaching the retraction spring to both parts. These may already be attached in the repair kit.
 - b) Install the new wind deflector control carriage by putting it sideways into the track, as shown by the arrow.
 - c) Slide the wind deflector control carriage forward into the track while holding the fixation part up away from the track.
 - d) When the wind deflector control carriage reaches the front, install the new fixation point by pressing it into the notch in the cassette.

Note: The fixation point is easiest to install when pressing it in at a 45 degree angle.
 - e) Make sure that the plastic tab is fully seated in the notch in the track.



2. Install new Wind Deflector Pivot Point

Note: The longer side of the pivot point is the side that is clipped into outer part of the frame, and the pointed end of it points forward.

- a) Attach a new pivot point to the wind deflector by rotating it 90 degrees, such that it hooks into place.
- b) Line up the pivot point with the notch in the frame.
- c) Press the pivot point down to seat it in the track.
- d) Hook the control slide to the wind deflector by pulling the control slide forward while pushing the wind deflector sideways and down, underneath the control slide.
- e) Ensure that the black spring below the wind deflector arm is positioned correctly in order to be able to push the wind deflector up.