
Vario Roof Inoperative / End Position of Side Flaps Not Reached

Topic number	LI77.33-P-053085
Version	1
Design group	77.33 Vario roof, soft top - mechanical components
Date	02-03-2012
Validity	SL-Class
Reason for change	

Complaint:

The following are symptoms that could be a result of a bent/broken side flap:

- Vario roof inoperative
- End position of the side flap is not reached
- Noises in the area of the side flaps

Cause:

Complaint maybe caused by the mounting plate on the drive unit of the side flap being bent or broken (Figure 1).

Remedy:

Replace both mount plates of the side flap drive units (on both sides of the vehicle) as outline below.

1. Open turn lid and cover/protect the rear fenders to guard against damage.
2. Turn adjusting nuts on Bowden cable of side flap unit on both side flaps. Three turns counterclockwise (Figure 2 - #1). This eliminates the preload at the side flaps.
3. Unplug electrical connector from microswitch.
4. Detach left and right side flaps from trunk lid, remove nuts (Figure 2 - #2).
5. Unscrew torx bolts at rear of mounting plate (Figure 3).
6. Separate side flap from mounting plate.
7. Remove toothed rack (Figure 4 - #2) from mounting plate (Figure 4 - #1) and disconnect mounting plate from Bowden cable (Figure 4 - #3).
8. Attach new mounting plate to Bowden cable. Make sure the new mounting plate is installed flush/flat relative to the slot of the adjusting nut (Figure 5). To install, lubricate the taper of the adjusting nut with grease.
9. Insert toothed rack into mounting plate (Figure 4).
10. Connect side flap to mounting plate (Figure 6). With the aid of a helper, screw in bolts at rear of mounting plate (Figure 3).

Note: The mounting plate and side flap must be bolted together flush (Figure 7), then tighten the bolts to 10 Nm.

11. Fasten left and right side flaps to trunk lid. Tighten nuts to 10 Nm (Figure 2).

12. Pull side flaps flush with trunk lide (Figure 8) via adjusting nuts (Figure 2 - #1). In order to guarantee the proper preload, turn the adjusting nuts approximately 1.5 turns further (refer to WIS document AR77.30-P-6375R).
13. Tighten lock nuts and reconnect electrical connector to micro switch.
14. Clock trunk lid.
15. Function Test: Open vario roof (Figure 9). Make sure both side flaps are evenly extended and are flush with the trunk lid.

Note: Do not replace complete side flap drive units if the mounting plates are bent.

Attachments	
File	Designation
Figure 1.jpg	Figure 1
Figure 2.jpg	Figure 2
Figure 3.jpg	Figure 3
Figure 4.jpg	Figure 4
Figure 5.jpg	Figure 5
Figure 6.jpg	Figure 6
Figure 7.jpg	Figure 7
Figure 8.jpg	Figure 8
Figure 9.jpg	Figure 9

Symptoms
Body / Does not close / Convertible top/vario roof / Vario roof / Roof system /
Body / Convertible top/vario roof / Malfunction / Vario roof / Roof system /
Body / Convertible top/vario roof / Vario roof / Roof system / Noise /

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Non-EPC
A 230 750 01 11			Mounting Plate	1		X	