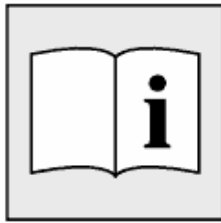
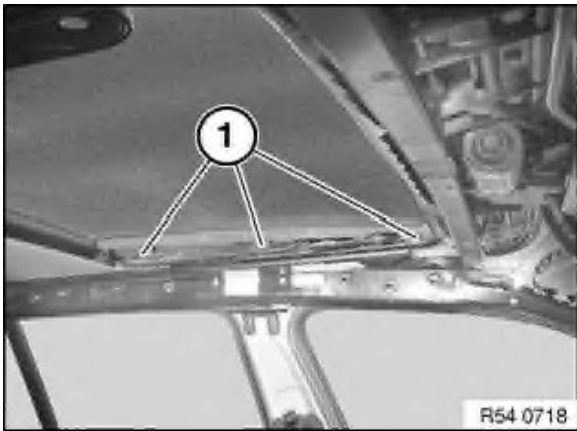
**Special tools required:**

- 00 9 315
- 00 9 340

*Necessary preliminary tasks:*

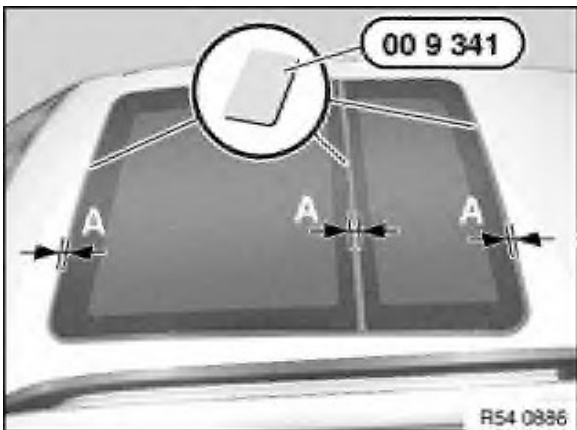
- Remove gaiter on left and right
- Close glass slide/tilt sunroof completely

If the glass slide/tilt sunroof is outside the adjustment tolerances, adjust as follows:

**Adjusting glass slide/tilt sunroof unit:**

Carry out the following step on one side first and then the other (first left, then right or vice versa):

- Insert Torx screws (1) on left/right so that glass roof panel can still just be adjusted
- Move glass slide/tilt sunroof lid as required
- Make sure all screws are tightened down.
- Tightening torque 54 12 01AZ .
- Repeat procedure on other side.

**Distance setting:**

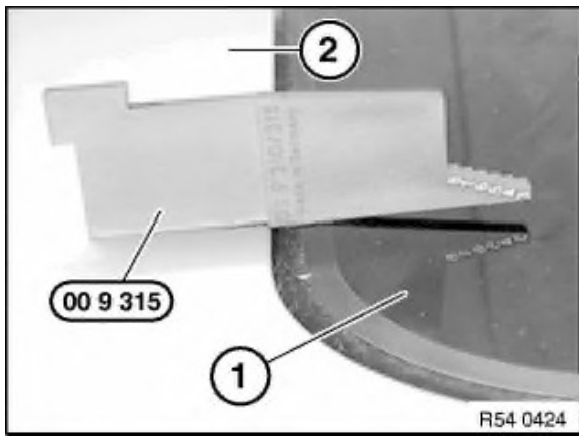
Distance A between body and glass lid (without seal):

$$A = 5.8 \pm 0.3 \text{ mm all round}$$

Check same gap of glass lid and body with special tool 00 9 340 .

Slide special tool 00 9 340 or similar between seal and insert. It must be possible to slide the card against the same level of resistance.

Slide glass lid towards front or rear until ideal position is reached.



## Height adjustment:

### Note:

Front glass lid must be adjusted first.

Check height of glass lid (1) in relation to body (2) with special tool 00 9 315 .

Press glass lid (1) at front and rear towards top or bottom until ideal position is reached.

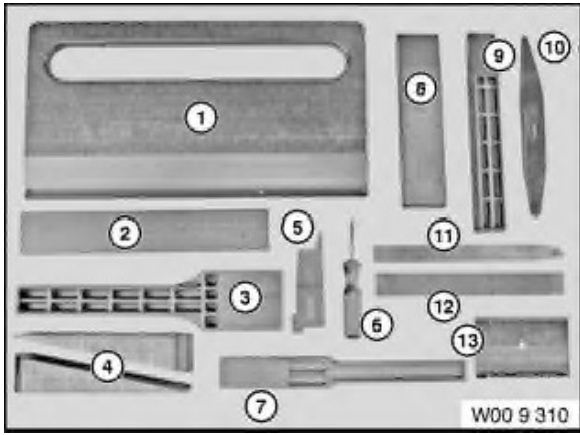
### Height:

- Front edge of glass lid at front 0 to 1 mm under roof edge
- Rear edge of glass lid at front 0 to 0.5 mm over glass lid at rear
- Rear edge of glass lid at rear 0 to 1 mm over roof edge

Check function and adjustment.

# 00 9 310 Assembly wedges (set in plastic case)

Minimum set: Mechanical tools



Note:

For straightening and assembly jobs on vehicle bodies, e.g. fitting trim panels, removing window weatherstrips, repairing small-scale dents, removing residual adhesive materials, measuring gap widths, levering out trim panel parts

Series:

E12, E21, E23, E24, E28, E30, E30/C, E30tou, E31, E32, E32/3, E34, E34tou, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E36tou, E38, E38/3, E39, E39PL, E39tou, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E61, E63, E64, E65, E66, E67, E68, E70, E71, E81, E82, E83, E85, E86, E87, E88, E90, E91, E92, E93, R50, R52, R53, R55, R56, RR1, RR2

SI number:

1 25 05 230

Order number:

00 9 310

Assembly wedges (set in plastic case)

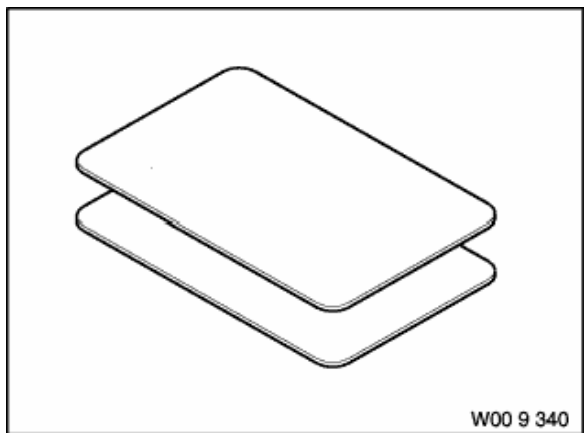
Consisting of:

- |               |   |
|---------------|---|
| 1 = 00 9 311  | Trim remover  |
| 2 = 00 9 312  | Striking wedge, square  |
| 3 = 00 9 313  | Striking wedge, large   |
| 4 = 00 9 314  | Adjusting wedges (2 x)  |
| 5 = 00 9 315  | Gap wedge   |
| 6 = 00 9 316  | Sealing lip wedge   |
| 7 = 00 9 317  | Trim panel wedge  |
| 8 = 00 9 318  | Universal wedge   |
| 9 = 00 9 319  | Striking wedge, small   |
| 10 = 00 9 321 | Fishbone  |
| 11 = 00 9 322 | Plastic wedge   |
| 12 = 00 9 323 | Cleaning wedge (scraper)  |
| 13 = 00 9 324 | Trim remover (metal plate)  |
| 14 = 00 9 329 | Note: For removing stem trims from E60<br>Case with inlay for assembly wedges |

In conjunction with: 009310

# 00 9 340 Disassembly aid (2)

Minimum set: Mechanical tools



Note:

For levering out switch block on driver's door.

Series:

E12, E21, E23, E24, E28, E30, E30/C, E30tou, E31, E32, E32/3, E34, E34tou, E36, E36/2, E36/3, E36/5, E36/7, E36/C, E36tou, E38, E38/3, E39, E39PL, E39tou, E46, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E61, E63, E64, E65, E66, E67, E68, E70, E71, E81, E82, E83, E85, E86, E87, E88, E90, E91, E92, E93, R50, R52, R53, R55, R56, RR1, RR2

SI number:

1 15 99 (483)

Order number:

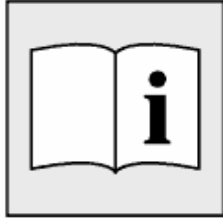
00 9 340  
Disassembly aid (2)

Consisting of:

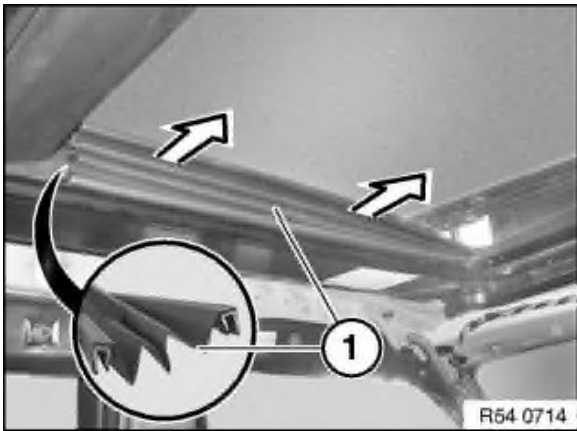
1 = 00 9 341

Removal aid

Note: Only available as a set (2 pieces) on 00 9 340.

*Necessary preliminary tasks:*

- Close glass slide/tilt sunroof



Detach gaiter (1) from guide.

*Installation:*

Gaiter cannot be removed without incurring damage.

Replace gaiter.

Check that aluminium section inlay is firmly seated on guide.

**54 12 Mechanical components, panorama sunroof**

	Type	Thread	Tightening specification	Measure
1AZ Glass lid to gate	E53 / E61 / E70 / E83 / E91		Always use new nuts and bolts.	4 ± 0.5 Nm
2AZ Cassette to body	E53 / E61 / E70 / E83 / E91	M6	Self-tapping screw	5.4 ± 0.5 Nm
3AZ Cover, cross-member	E91			2 ± 0.5 Nm
	E53 / E61 / E70 / E83			3.5 ± 0.5 Nm
4AZ Front floating roofliner to detent element	E53 / E61 / E70 / E83 / E91			1.5 ± 0.2 Nm
5AZ Rear floating roofliner to detent element	E53 / E61 / E70 / E83 / E91			1 ± 0.2 Nm