

P77.20-2596-09

**Shown on model 221.0**

- 1 Tilting/sliding roof cover
- 2 Sliding roof lining



- 3 Rubber bellows
- 4 Bolts

- 5 Cardboard strips

**Modification notes**

23.3.06	Bolt securing tilting/sliding roof cover to tilt angle bracket	Model 221	<a href="#">*BA77.20-P-1003-01J</a>
30.3.06	"Check position of drive shaft" newly added	Step 10	<a href="#">AR77.20-P-1400-01SX</a>

	Removing		
<b>Danger!</b>	<b>Risk of injury</b> caused by <b>fingers being pinched or crushed</b> when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.	Keep body parts and limbs well clear of moving parts.	<a href="#">AS00.00-Z-0011-01A</a>
1	Move tilting/sliding roof cover (1) to pop-up position		
2	Completely open sliding roof lining (2)		
3	Remove rubber bellows on left and right on sliding/pop-up roof cover (1)	<ul style="list-style-type: none"> <li> Carefully loosen rubber bellows (3) from lower arrest and then remove from sliding/pop-up roof cover (1), otherwise the rubber bellows (3) can be damaged</li> <li> Observe installation position of rubber bellows (3).</li> </ul>	
4	Close tilting/sliding roof panel (1)		
	<b>Adjust</b>		
5	Loosen bolts (4) on left and right on tilting/sliding roof cover (1)		
6	Insert cardboard strips (5) into sealing joint at rear in center.	Cardboard strip (5) approx. 500 mm long and approx. 2 mm thick Gap dimensions should be approximately equal at front and rear sealing joint. Align side gaps in center	
7	Adjust tilting/sliding roof cover (1) in relation to outer skin of the roof	Observe measuring position (A) for height adjustment	<a href="#">*BE77.20-P-1001-01G</a>
8	Tighten bolts (4) on left and right on tilting/sliding roof cover (1) from rear toward front		<a href="#">*BA77.20-P-1003-01J</a>
9	Check tilting/sliding roof for proper function and correct tilting/sliding roof cover (1) match.	The adjustment of the tilting/sliding roof cover (1) is okay, if a plopping sound is not audible when opening.	
10	Check position of drive shafts.	If applicable, adjust drive shafts by moving drive wedge on lower gate, see: ↓ Remove/install tilting/sliding roof motor	<a href="#">AR77.20-P-1400-01SX</a> <a href="#">AR77.20-P-3010SX</a>

	<b>Install</b>		
11	Move tilting/sliding roof cover (1) to pop-up position		
12	Install rubber bellows (3) on left and right on tilting/sliding roof cover (1)	 Do not mix up rubber bellows (3).	
13	Close tilting/sliding roof panel (1)		
14	Close sliding roof lining (2).		
15	Perform learn-in procedure for tilting/sliding roof pinch protection Connect STAR DIAGNOSIS and read out fault memory	STAR DIAGNOSIS diagnosis system	AD00.00-P-2000-04A <a href="#">*WH58.30-Z-1048-13A</a>

#### Tilting/sliding roof

Number	Designation	Model 216	Model 221
BE77.20-P-1001-01G	Height setting		
	Measuring position "A" (x)	mm	140
	front: deeper than outer skin of the roof	mm	0 - 1
	rear: higher than outer skin of the roof	mm	0 - 1

#### Electric sliding roof

Number	Designation	Model 216	Model 221
BA77.20-P-1003-01J	Bolt securing tilting/sliding roof cover to tilt angle bracket	Nm	4.5

#### Commercially available tools

Number	Designation	
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car	6511 1801 00