



smart USA

August 20, 2008

Mr. George Person, Chief
Recall Management Division, NVS-215
Office of Defects Investigation
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

Re: Recall 08V-390; Improper Paint Used on smart Vehicles

Dear Mr. Person:

Pursuant to 49 CFR 573.6(c)(10), enclosed please find a representative copy of the Work Instructions and Recall Bulletin sent by smart USA Distributor LLC (smart USA) to its dealers to notify them of the subject recall, as required by 49 CFR 577.13. If you have any questions, please contact the undersigned at 248-648-2454.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Lannon", with a long horizontal flourish extending to the right.

Eric Lannon
Director, Warranty and Compliance

Enclosures

Date

August 13, 2008

**Recall Bulletin****Number**

R-0808001

Reference Number

08V-390

Subject**Paint Repair Recall**

This recall has been initiated because Daimler Manufacturing (DAG) was informed by its paint supplier that a single batch of paint sent to the company in April 2008 did not meet specification. A re-work was done in the plant using different formulations of painting materials. After the re-work was completed, it was determined that the combination of materials used to repaint the frame and chassis could lead to delamination of the paint materials from the body and frame structures. DAG has determined that such delaminating can take place in the area of the body where the windshield and roof have been affixed with adhesive, which could affect the adhesion of those components to the vehicle body.

Number of Affected Vehicles :

- 43 vehicles

Prior to performing this recall :

- Please check the DCS system to determine the vehicle is involved in the Recall Campaign and if it has been previously repaired.
- Please review the entire Recall Bulletin and follow the steps outlined in the work instructions.

Repair Instructions :

The files noted below provide the work instructions for repairing the tridion cell silver paint for vehicles recalled on Campaign 0808-001. The basic task is to remove the silver paint from the tridion cell's windshield and roof bonding surfaces and from the tridion's "A-Surface" or exterior. The files listed below can be located on the Dealer Portal under the Service & Parts – Recalls & Campaigns link.

- File 1 -- Recall R00108 Master Work Instructions, provides a master listing of the key steps in removing body panels, removing paint, applying new paint and reinstalling body panels.
- File 2 -- Recall R00108 Detailed Work Instructions, provides detailed information on each step listed in File 1.

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Repair Procedure

We think the fortwo provides a new way for dealers to work with their body shop partners to repair these cars. We have trained your smart center technicians to remove body panels and other exterior/interior components. The technicians are also equipped with the special tools and the documentation necessary to properly disassemble and reassemble a car. Therefore, we recommend the following methodology for working with your body shop partner during this campaign:

- **smart Center Control of Disassembly and Assembly**

- A smart Center technician removes the body panels, roof, windshield, tailgate, doors and interior trim according to the Work Instructions. All material removed from the car is held in a common rack or container.
- The stripped vehicle is rolled or carrier trucked to the body shop.
- The body shop strips the paint and reapplies the paint.
- The car is transported back to the dealership.
- A glass specialist reinstalls the windshield and coupe panorama roof
- The smart Center Technician reassembles the car.

- **Advantages to the Dealer**

- Trained technicians disassemble and reassemble car
- Body shop specializes in paint removal and application
- smart Center Dealer gains service revenue.

The most important elements are following the work instructions and scheduling the repair accurately in an effort to satisfy our customers.

Note 1– A hard copy of the complete work instructions has been sent to you via Federal Express.

Note 2 – We have arranged an Avis rental car for customers desiring transportation during the repair of their car. The dedicated call in number is 1-800-524-9000 EXT 31570 – email is troy.trauernicht@avis.com – Avis AWD number is G641075

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Warranty Information :

smart USA will compensate Body Shops and smart Center Dealers as follows:

- **Body Shops** – Body Shops will invoice the smart Center Dealer for all work performed at their normal commercial rates.
 - We estimate the following times for paint repair
 - Coupe – 14.5 hours
 - Cabriolet – 12.75 hours
- **smart Center Dealers** – All Body Shop costs, and smart Center charges will be submitted to smart USA through the normal Warranty channels under Campaign 0808-001. For detailed instructions on how to submit these costs reference the associated Warranty Bulletin located on the Dealer Portal.
 - We will use the following flat rate times for disassembly and reassembly of the vehicle
 - Coupe – 10.5 hours
 - Cabriolet – 12.25 hours

Reminder :

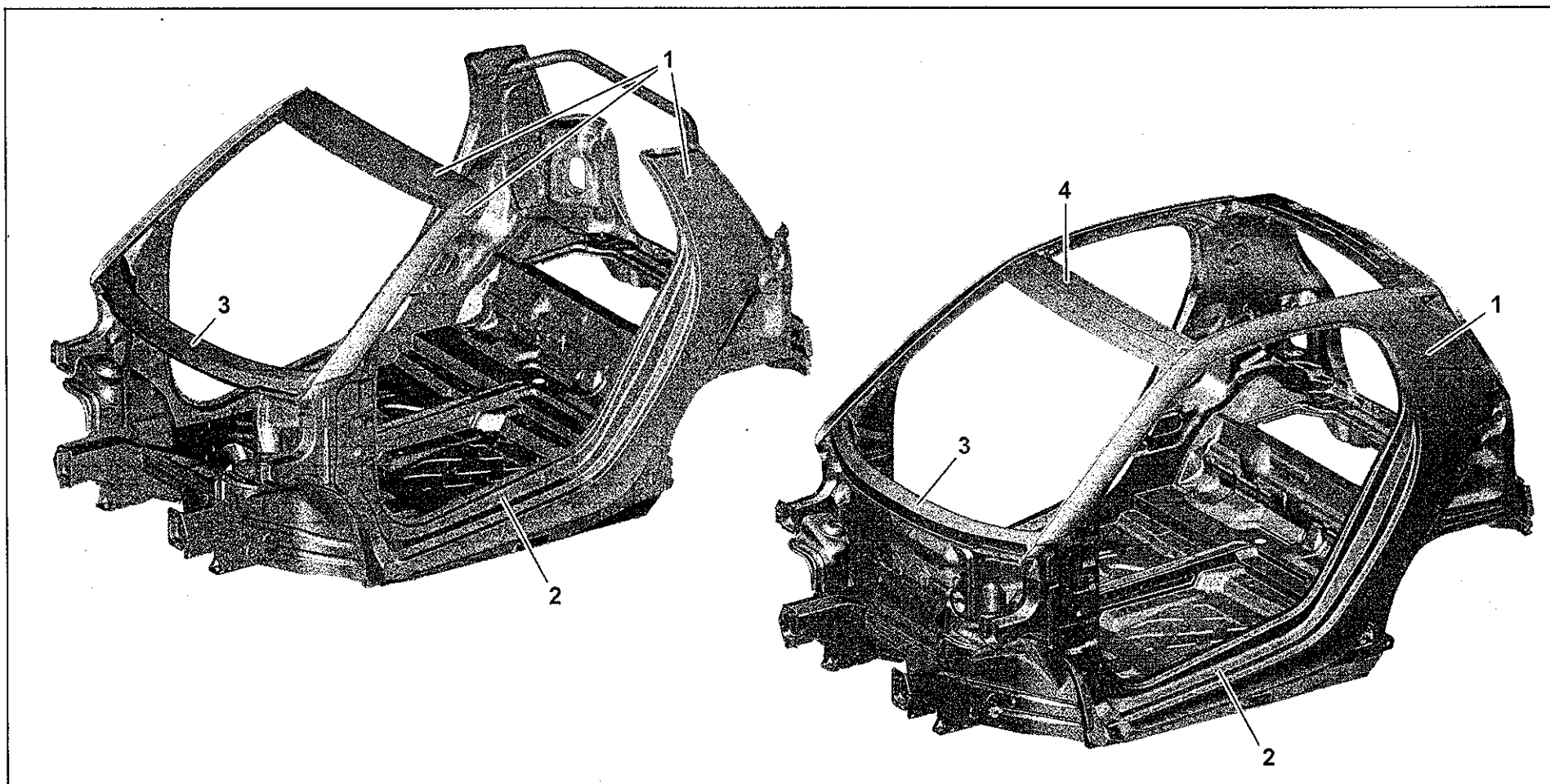
Please be aware that it is a violation of Federal law for a dealer to deliver a new vehicle covered by this recall under a sale or lease until the defect is remedied. Dealers must also comply with the repair disclosure laws of their State.



AR98.00-P-1000KD

Service measure, paint, model 451

30.7.08



P98.00-3299-09

**Model 451.4**

- 1 Outer surface
- 2 Transition area
- 3 Windshield bonding area

Model 451.3

- 1 Outer surface
- 2 Transition area
- 3 Windshield bonding area
- 4 Roof bonding area

	Removing		
1	Remove left and right longitudinal member paneling		AR88.80-P-6000KD
2	Remove front additional turn signal lamps		AR82.25-P-4726KD
3	Remove front CBS		AR88.00-P-1010KD
4	Remove wiper arms		AR82.30-P-6100KD
5	Remove paneling from center piece in front of windshield		AR88.00-P-2792KD
6	Remove left and right door		AR72.10-P-0500KD
7	Remove rear CBS		AR88.20-P-1900KD
8	Remove license plate lamps		AR82.10-P-5161KD
9	Remove door paneling of rear-end door		AR72.20-P-1000KD
10	Remove C-pillar external cover	Model 451.3 only	AR88.30-P-1200KD



11	Remove and left and right paneling in trunk		AR68.30-P-4800KD
12	Remove rear-end door lower section		AR72.20-P-3500KD
13	Remove rear-end door upper section	Model 451.3 only	AR72.20-P-3500KDE
14	Remove roller sun blind	Model 451.3 with code (E22) Glass roof (FFO) only	AR77.21-P-0205KD
 Danger!	Risk of injury caused by cutting wire tearing or heating up while using it to cut out components that are glued into place.	Wear protective gloves and safety glasses.	AS65.00-Z-0001-01A
15	Cut out roof paneling using window removal tool (cutting wire).	Model 451.3 only  Aid of helper required for cut out and removal of roof paneling. ● Window removal tool (cutting wire) ● Cup suction tool ● Wet/dry vacuum cleaner ● Cartridge gun ● Cartridge heater http://gotis.aftersales.mercedes-benz.com	AR65.10-P-5702-01KD
	Notes on removing/installing roof		AH65.10-P-1000-01KD
16	Remove center high-mounted stop lamp	Model 451.4 only	AR82.10-P-5375KD
17	Remove spoiler on roof cassette	Model 451.4 only	AR77.33-P-2030KD
18	Remove inside roof lining	Model 451.4 only	AR77.31-P-1005KD
19	Remove folding soft top	Model 451.4 only	AR77.30-P-1100KD



20	Remove roof cassette seals	Model 451.4 only	AR77.30-P-1109KD
21	Remove rear soft top	Model 451.4 only	AR77.30-P-1150KD
	Notes on soft top		AH77.30-P-0001-01KD
22	Remove left and right rear pillar trim	Model 451.4 only	AR68.30-P-4505KD
23	Remove clamps for rear soft top	Model 451.4 only	AR77.30-P-1151KD
24	Remove inside rearview mirror		AR68.40-P-0001KD
25	Remove cover at rain/light sensor and detach electrical connector	With code (V54) Rain/light sensor only	AR82.30-P-7800KD
26	Mask off dashboard using suitable protective cover		
 Danger!	Risk of injury due to tear or warming up of cutting wire and through glass splinters when cutting out glued windows	Wear protective gloves and safety glasses.	AS67.00-Z-0004-01A
27.1	Cut out windshield using roll-out 2004 window removal tool	 A helper is required to remove windshield from body flange. Cutting wire is included in TS adhesive. Window removal tool Roll out 2004, cup suction tool http://gotis.aftersales.mercedes-benz.com TS adhesive	AR67.10-P-1000-11KD
	Notes on removal/installation of windshield		BR00.45-Z-1012-02B AH67.10-P-1000-01KD



	Notes on removal/installation of windows		AH67.10-P-1000-02KD
Danger! 27.2	Risk of injury due to tear or warming up of cutting wire and through glass splinters when cutting out glued windows Cut out windshield using window removal tool (cutting wire).	Wear protective gloves and safety glasses. Mask off body flange, front edge of vehicle roof as well as detachable parts in cutting area using masking tape to prevent damage from cutting wire. A helper is required to cut out and remove windshield. Cutting wire is included in TS adhesive. Window removal tool, Cup suction tool http://gotis.aftersales.mercedes-benz.com TS adhesive	AS67.00-Z-0004-01A BR00.45-Z-1012-02B AH67.10-P-1000-01KD AH67.10-P-1000-02KD
	Notes on removal/installation of windshield		
	Notes on removal/installation of windows		AH67.10-P-1000-02KD
28	Remove all fasteners, grommets and seals in transition area, e.g. door cutouts and wheel arches		
	Paint		
29	Mask off interior and apply adhesive tape		



30	Cover up all components left in the outer area and apply adhesive tape		
31	The paintwork structure on the entire outer surface (1) and transition areas (2) has to be ground down to the powder base coat	 Residual coat thickness approx. 60 µm	
32	In the windshield bonding area (3) and the roof bonding area (4), the complete paintwork structure must be ground down to the electrophoretic paint coat	 Residual coat thickness approx. 20 µm Grinding down to the sheet steel is acceptable.	
33	Clean and degrease body completely, if necessary mask off and apply adhesive tape again	The paint manufacturer's specifications are to be complied with in full.	
34	Apply epoxy primer filler to the entire area to be painted	Use approved materials only. The paint manufacturer's specifications are to be complied with in full.	
	Approved paint systems		AH98.00-P-1001-01KD
35	Mask off and apply adhesive tape to bonding surfaces for windshield	Use materials approved by the paint manufacturers only.	AR98.00-P-1001-02KD
36	Print out template for rear roof area and transfer onto body flange	The template can be used for both the left and the right roof area.  Use appropriate pin to avoid any damage to or bleeding in the paintwork structure.	AR98.00-P-1001-01KD



37	Mask off and apply adhesive tape to bonding surfaces for roof, if necessary, remove any protruding marks	Use materials approved by the paint manufacturers only.	AR98.00-P-1001-03KD
38	Apply base coat and clearcoat of selected paint system	The paint manufacturer's specifications are to be complied with in full.	
	Approved paint systems		AH98.00-P-1001-01KD
39	Conduct oven drying	The paint manufacturer's specifications are to be complied with in full.	
40	Remove masking and bonding material	Leave masking tape on bonding surfaces for roof and windshield.	
	Install		
41	Install all fasteners, grommets and seals in the transition area, e.g. door cutout		
42	Install C-pillar outer cover		AR88.30-P-1200KD
43	Install rear-end door upper section	Model 451.3 only	AR72.20-P-3500KDE
44	Install rear-end door lower section		AR72.20-P-3500KD
45	Install door paneling of rear-end door		AR72.20-P-1000KD
46	Adjust rear-end door upper section	Model 451.3 only Gap dimensions on hoods, doors and lids	AR72.20-P-3510KDE AR60.00-P-0700-01KD
47	Adjust rear-end door lower section		AR72.20-P-3510KD
48	Install left and right paneling in trunk		AR68.30-P-4800KD



49	Install left and right door	Gap dimensions on hoods, doors and lids	AR72.10-P-0500KD AR60.00-P-0700-01KD
50	Remove masking tape on bonding surface for roof paneling		
51	Thoroughly coat bonding surface using primer stick from adhesive parts kit	Model 451.3 only Flash-off time min. 10 minutes Processing period max. 24 hours until application of adhesive material. The bonding area on the roof paneling must be absolutely free of dust and grease. Dirt can lead to paint adhesion problems of adhesive material. TS adhesive	BR00.45-Z-1012-02B
52	Align roof paneling in body opening.	Model 451.3 only Aid of helper required. Determine rear gap to spoiler at rear-end door of approx. 7 mm and gap to roof paneling at side.	AR65.10-P-5702-06KD
	Notes on removing/installing roof		AH65.10-P-1000-01KD
53	Prepare roof paneling for installation	Model 451.3 with code (E22) Glass roof (FFO) only Model 451.3 only With code (E23) Full roof (FFO)	AR65.10-P-5702-02KD AR65.10-P-5702-02KDE



		⚠ The bonding area on the roof paneling must be absolutely free of dust and grease to prevent paint adhesion problems of the adhesive material during installation. TS adhesive	BR00.45-Z-1012-02B
54	Open crank window in driver door	⚠ The crank window of the driver door must be opened during the curing time of the adhesive material to prevent the roof paneling from being pressed out by the air that builds up when the doors are closed.	
55	Apply adhesive material	⚠ Place roof paneling on body flange within 2 minutes after applying adhesive material to prevent paint adhesion problems of the adhesive material during installation. i Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h. Uniformly apply adhesive bead at a height of approx. 12 mm. S TS adhesive	AR65.10-P-5702-05KD 000 589 86 63 00 BR00.45-Z-1012-02B

56	Install roof paneling	 Aid of helper required. Fix roof paneling in place using installation template and sandbags.	AR65.10-P-5702-03KD
57	Remove masking tape on bonding surface for windshield		
58	Thoroughly coat bonding surface using primer stick from adhesive parts kit	Flash-off time min. 10 min Processing period max. 24 h until application of adhesive material.  The gluing area on the body flange must be absolutely free of dust and grease to prevent a decrease in the gluing force when installing window. TS adhesive	BR00.45-Z-1012-02B AH67.10-P-1000-01KD
	Notes on removal/installation of windshield		
59	Align windshield in body opening	 Aid of helper required. Determine top gap to roof paneling of approx. 5 mm and gap to A-pillars at side. Suction lifting device http://gotis.aftersales.mercedes-benz.com	AR67.10-P-1000-04KD
60	Prepare windshield for glazing	 The bonding area at the windshield must be absolutely free of dust and grease, as otherwise paint adhesion problems of the adhesive material may occur.	AR67.10-P-1000-03KD



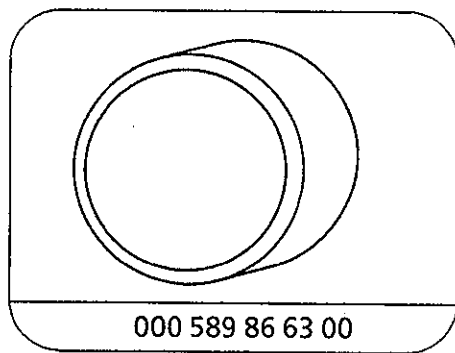
		TS adhesive	BR00.45-Z-1012-02B
61	Apply adhesive material	⚠ Place windshield on body flange within 2 minutes after applying adhesive material, as otherwise paint adhesion problems of the adhesive material may occur. i Durability is achieved after approx. 2 hours, as measured from the time the windshield is installed. The rated accident strength is achieved only after approx. 8 h. Uniformly apply adhesive bead at a height of approx. 13 mm. S Cartridge gun http://gotis.aftersales.mercedes-benz.com TS adhesive	AR67.10-P-1000-08KD 000 589 86 63 00 BR00.45-Z-1012-02B
62	Install windshield	i Aid of helper required. Fix windshield in place using suitable adhesive tape. Suction lifting device http://gotis.aftersales.mercedes-benz.com	AR67.10-P-1503-01KD
63	Install roller sun blind	Model 451.3 with code (E22) Glass roof (FFO) only	AR77.21-P-0205KD
64	Connect electrical connector to rain/light sensor and install cover	With code (V54) Rain/light sensor only	AR82.30-P-7800KD



65	Install inside rearview mirror		AR68.40-P-0001KD
66	Install clamps for rear soft top	Model 451.4 only	AR77.30-P-1151KD
67	Adjust clamps for rear soft top	Model 451.4 only	AR77.30-P-1151-01KD
68	Install left and right rear pillar trim	Model 451.4 only	AR68.30-P-4505KD
69	Install soft top	Model 451.4 only	AR77.30-P-1150KD
	Notes on soft top	Model 451.4 only	AH77.30-P-0001-01KD
70	Close rear soft top and check for wrinkling, if necessary adjust clamps of rear soft top and perform function test	Model 451.4 only	AR77.30-P-1151-01KD
71	Install seals for roof cassette	Model 451.4 only	AR77.30-P-1109KD
72	Install headliner	Model 451.4 only	AR77.31-P-1005KD
73	Install center high-mounted brake lamp (E21)	Model 451.4 only	AR82.10-P-5375KD
74	Install roof cassette spoiler	Model 451.4 only	AR77.33-P-2030KD
75	Install folding soft top	Model 451.4 only	AR77.30-P-1100KD
76	Install CBS rear end		AR88.20-P-1900KD
77	Install license plate lamps		AR82.10-P-5161KD
78	Install wiper arms		AR82.30-P-6100KD
79	Remove paneling from center piece in front of windshield		AR88.00-P-2792KD



80	Install front CBS		AR88.00-P-1010KD
81	Install additional turn signal lamps at front		AR82.25-P-4726KD
82	Install left and right longitudinal member panel		AR88.80-P-6000KD
83	Adjust spray nozzle of windshield washer system		AR82.35-P-6975KD



Intermediate piece

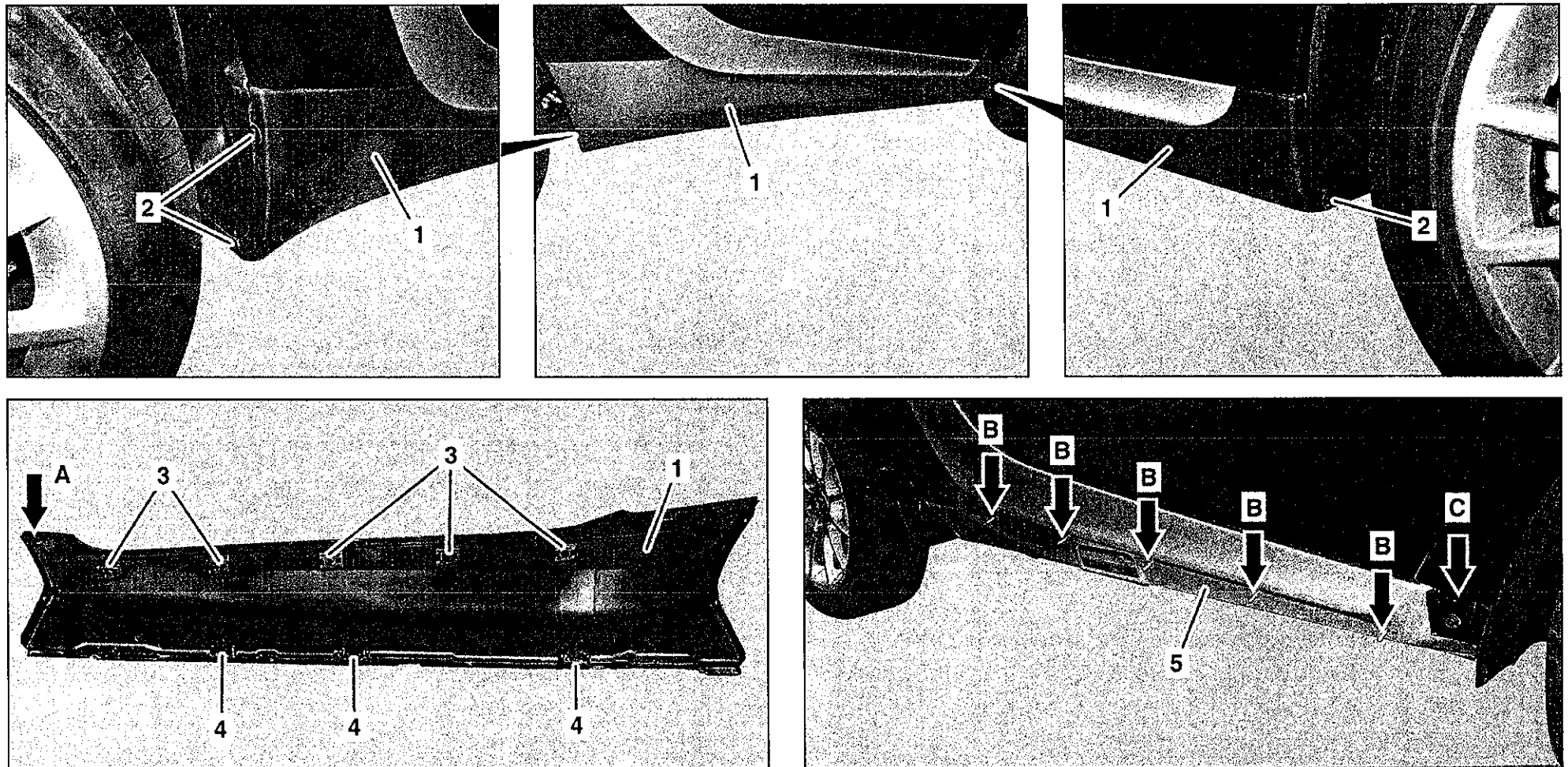
Repair materials

Number	Designation	Order number
BR00.45-Z-1012-02B	TS adhesive	A 009 989 92 71

AR88.80-P-6000KD

Remove/install longitudinal member paneling

5.8.08





1 Longitudinal member paneling

2 Expansion clip

3 Bracket

4 Catch hook

5 Longitudinal member

	Removal		
1	Remove expansion clip (2) at front and rear from longitudinal member paneling (1).		
2	Unclip catch hook (4) on longitudinal member paneling (1) from longitudinal member (5).		
3	Carefully pull longitudinal member paneling (1) toward outside in front area and slide toward rear until bracket (arrow A) separates from guide (arrow C).		
4	Carefully pull longitudinal member paneling (1) in front area toward outside, slide toward rear and remove.		
5	Unscrew brackets (3) still located on the threaded studs (arrows B) on the longitudinal member (5).		
	Install		
6	Insert brackets (3) into guides on longitudinal member paneling (1).		



7	Position bracket (arrow A) in guide (arrow C) and clip brackets (3) on longitudinal member paneling (1) into threaded studs (arrows B) on longitudinal member (5).		
8	Clip catch hook (4) on longitudinal member paneling (1) into longitudinal member (5).		
9	Install expansion clip (2) on longitudinal member paneling (1) at front and rear.		

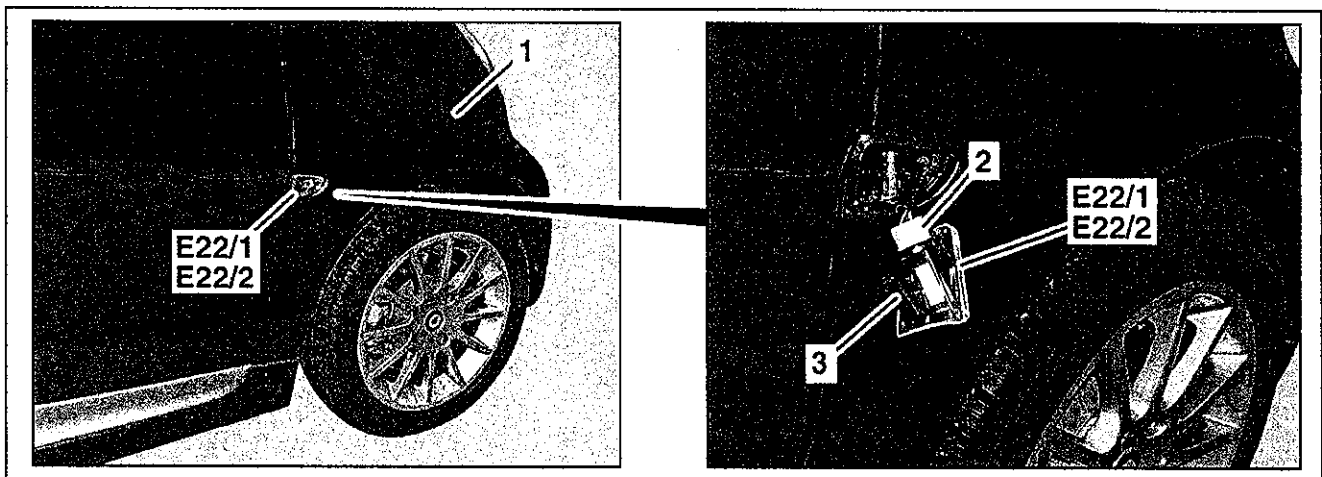
AR82.25-P-4726KD

Remove/install additional turn signal lamp

4.8.08

- 1 CBS front
- 2 Holder
- 3 Catch

E22/1 Left additional turn signal lamp
E22/2 Right additional turn signal lamp

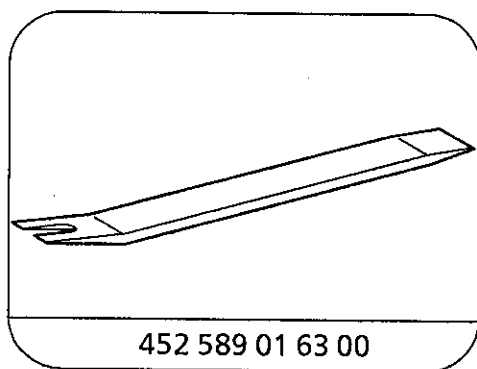


P82.25-2804-04

	Remove/install		
1	Release catch (3) using snap-release tool and remove left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2) from CBS front (1) until holder (2) is accessible		452 589 01 63 00
2	Rotate holder (2) counterclockwise by 90° and take out of left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2)	Installation: Ensure that the holder (2) is snapped into the left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2).	



3	Install in the reverse order		
4	Perform function test on left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2)		

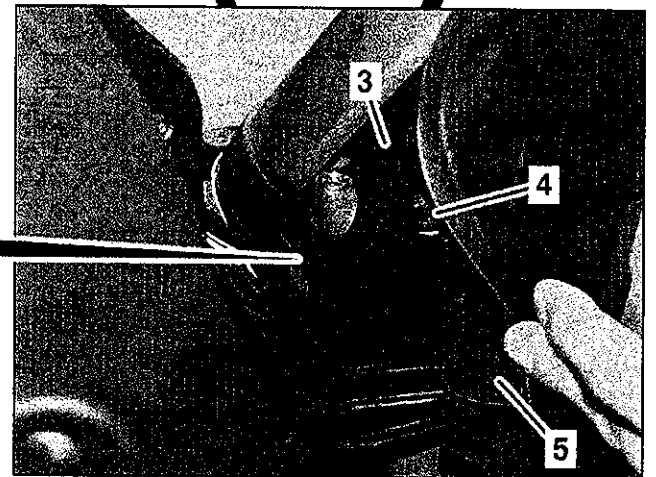
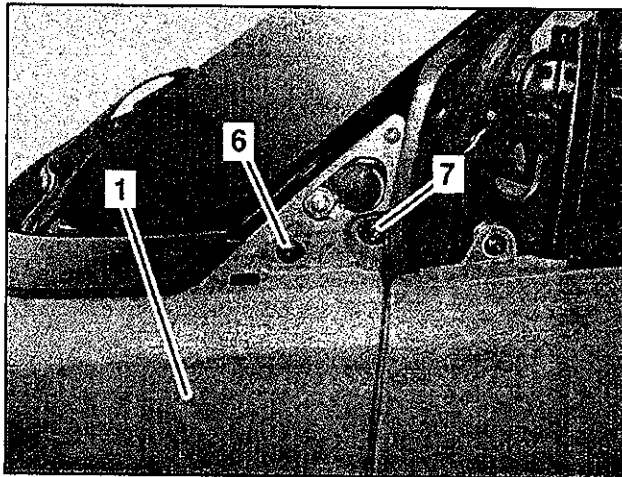
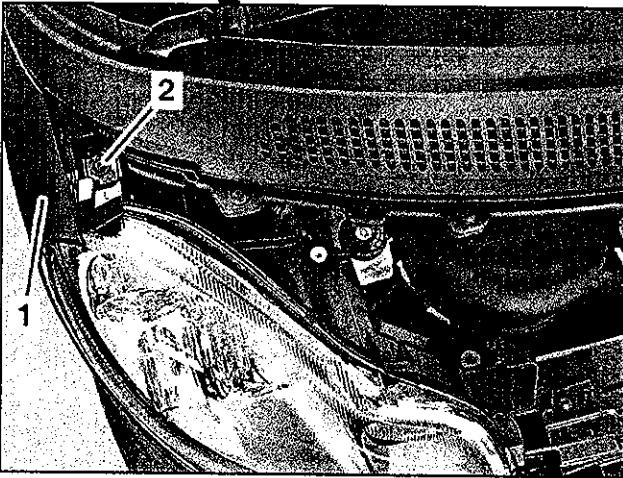
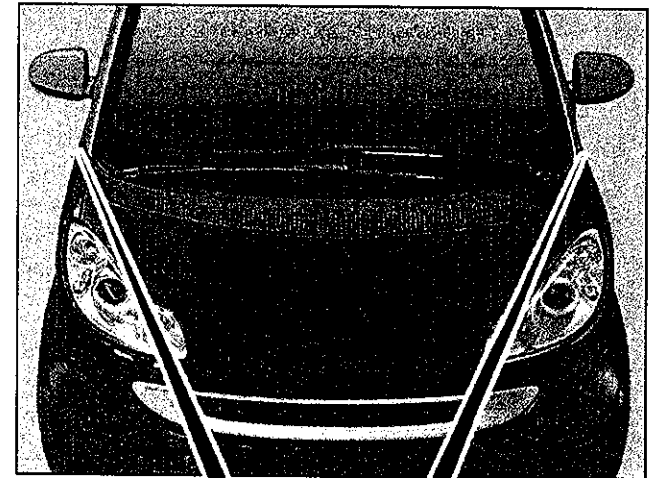
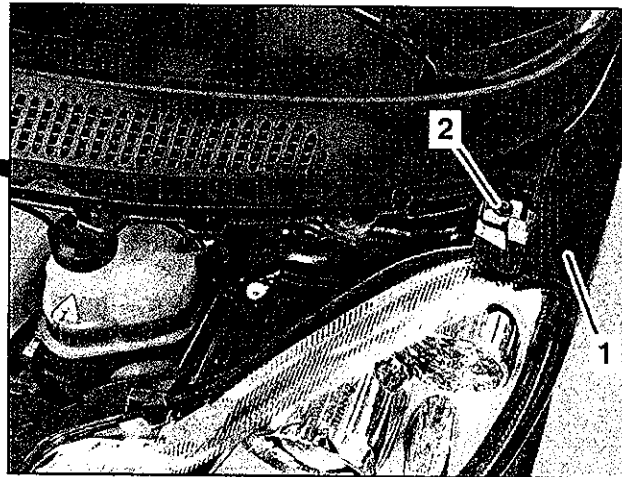
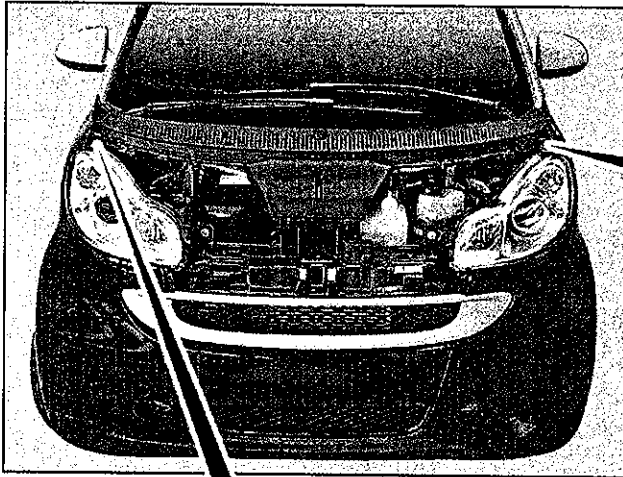


Snap-release tool

AR88.00-P-1010KD

Remove/install front CBS

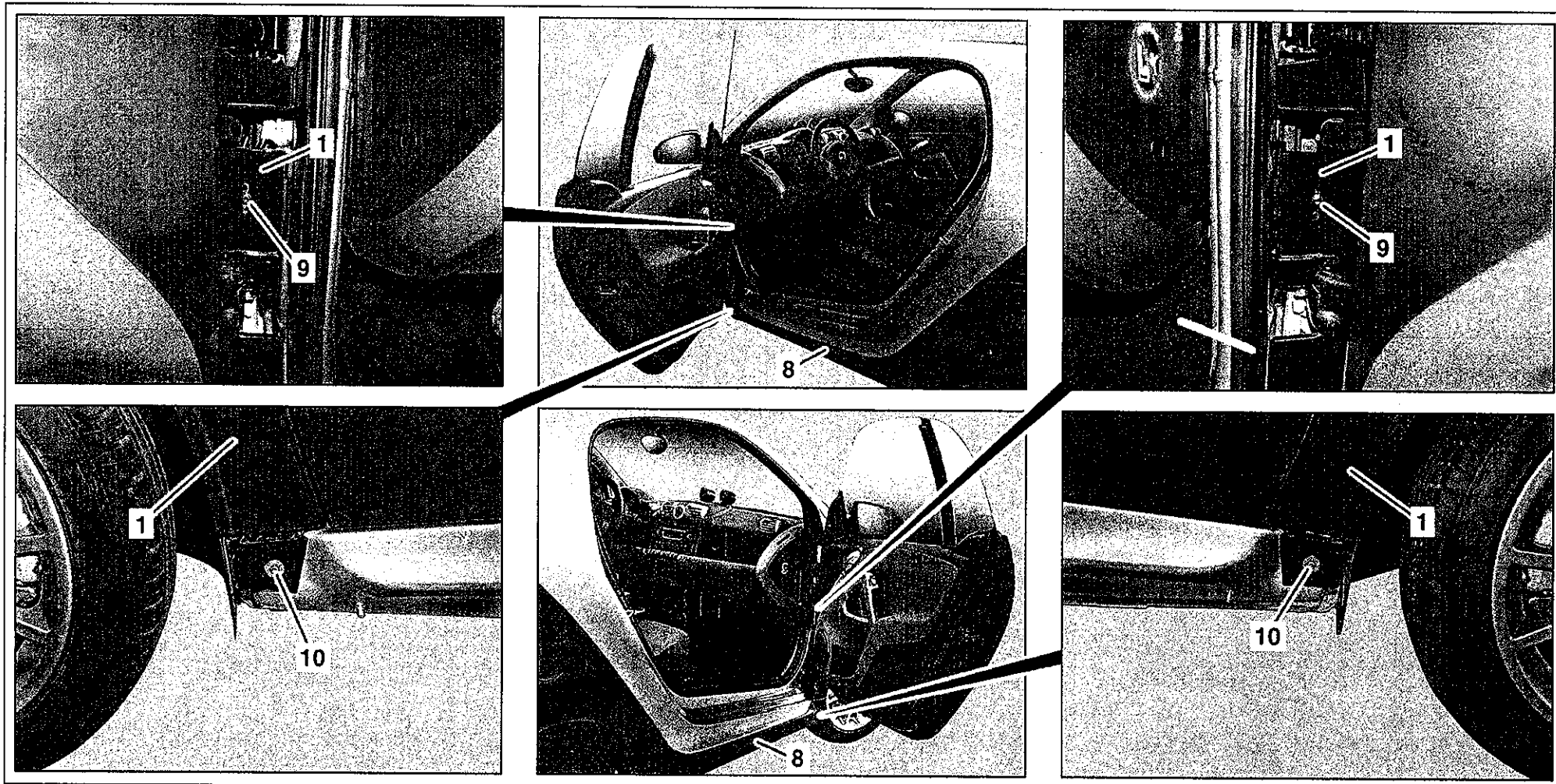
4.8.08



1 Front CBS
2 Bolt
3 Fender cover

4 Expansion clip
5 Edge guard

6 Bolt
7 Bolt



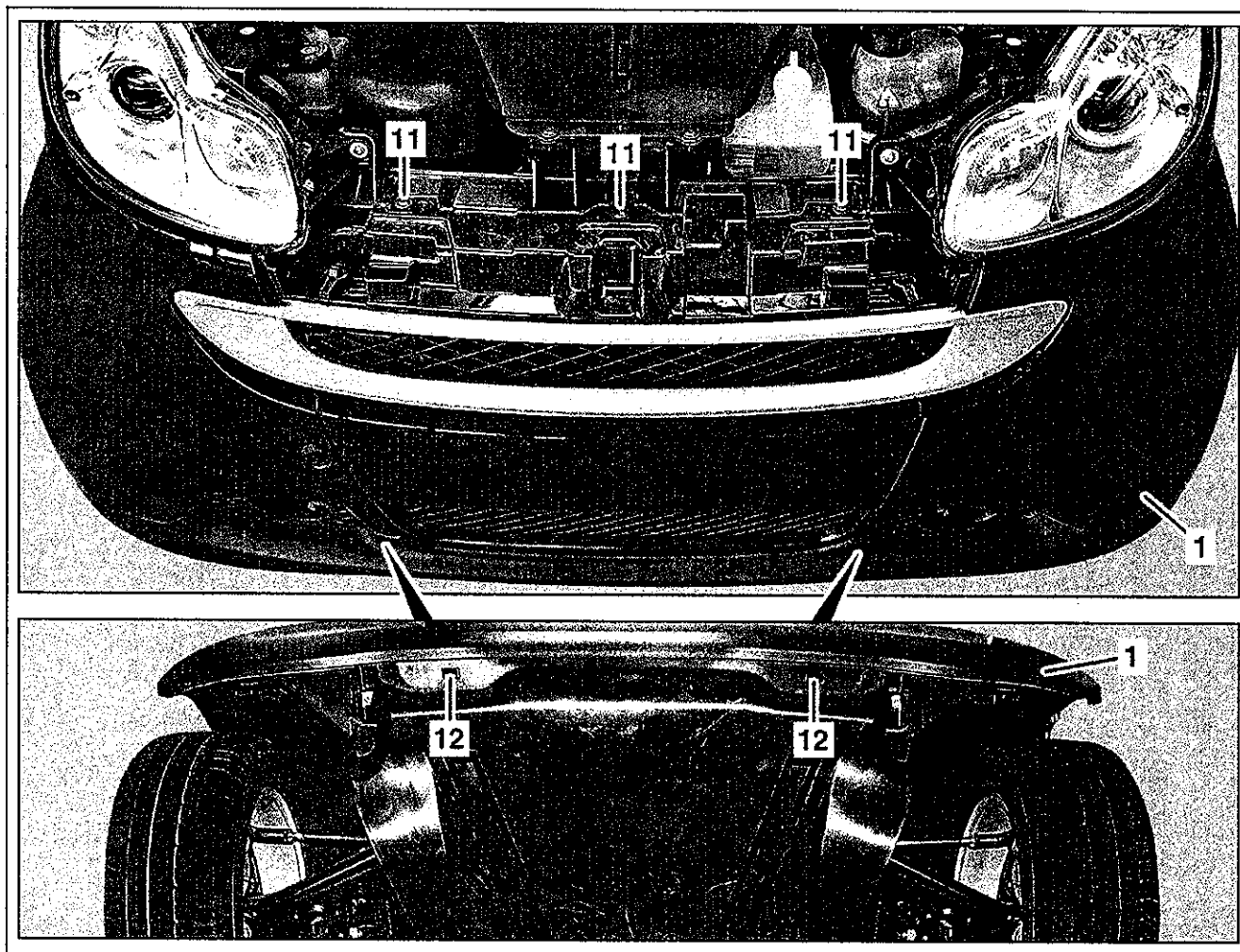
- 1 Front CBS
- 8 Longitudinal member paneling

- 9 Expansion clip

- 10 Bolt

Shown on vehicle with code (V07) Front fog lamps (FFO)

- 1 Front CBS
- 11 Bolt
- 12 Catch

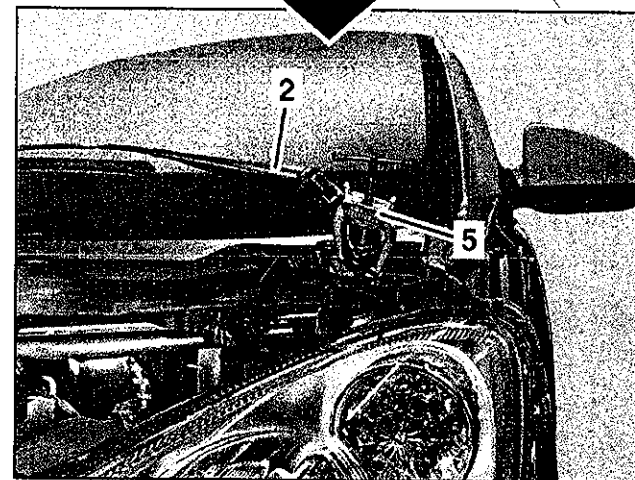
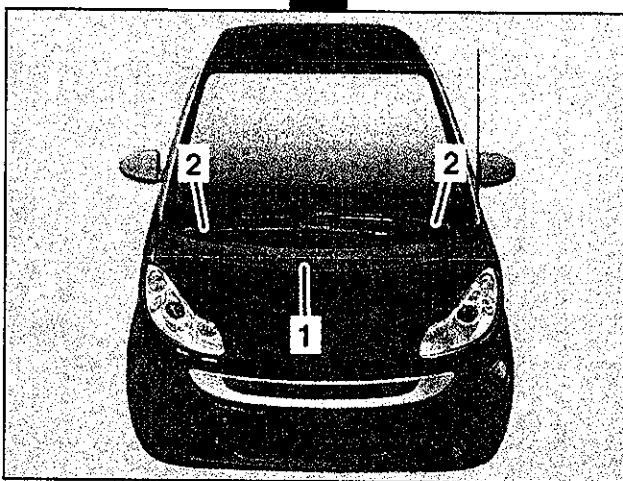
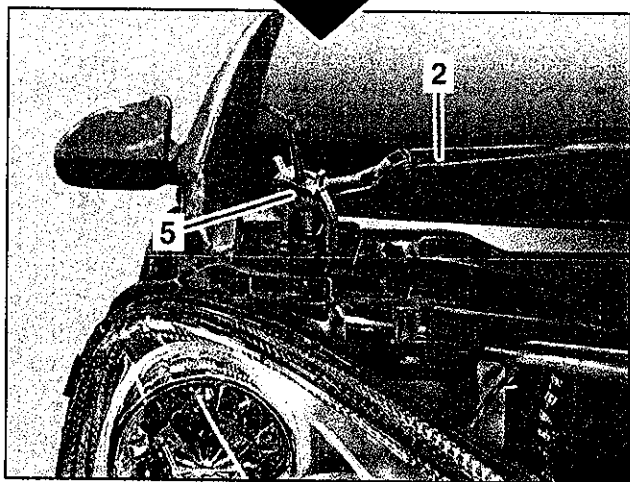
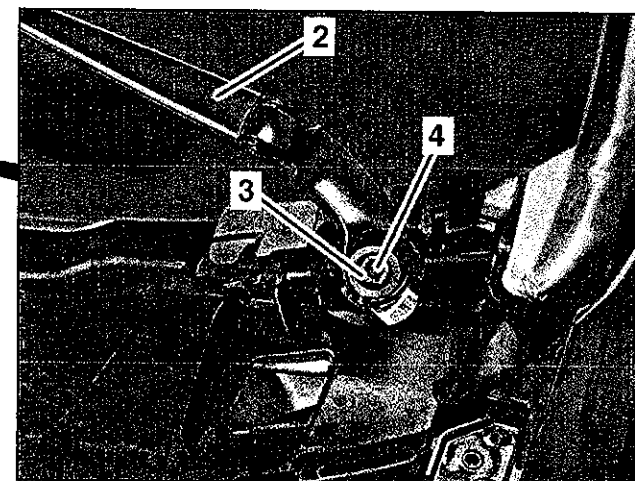
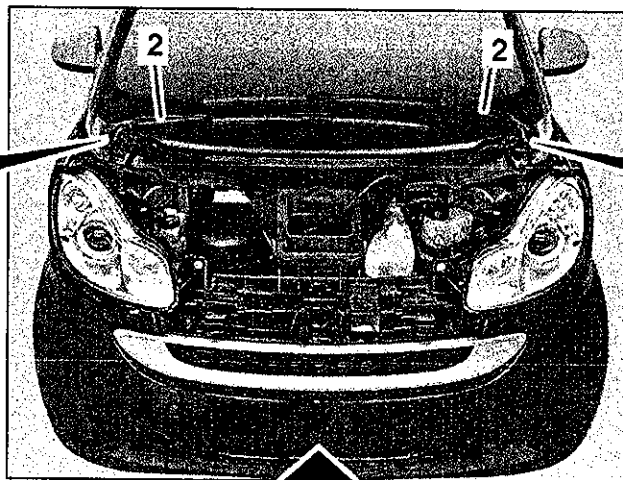
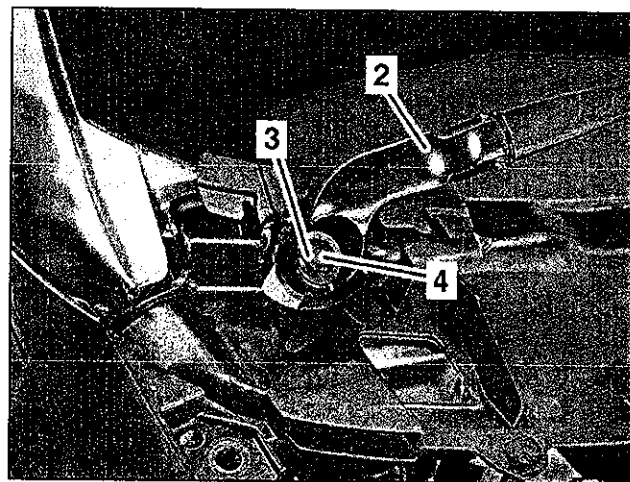


	Remove/install		
1	Remove antenna rod		
2	Open left and right door, press edge guard (5) to side in area of left and right fender covering (3) on both sides and remove expansion clip (4).		
3	Slightly slide left and right fender covering (3) upward and remove.		
4	Unscrew bolts (6, 7)	Installation: Check whether guide sleeve on bolt (7) is seated correctly.	
5	Unscrew bolts (2) from front CBS (1).		
6	Remove expansion clip (9) in area of left and right door hinge.		
7	Unscrew bolts (10) located behind left and right longitudinal member paneling (8) from front CBS (1).		
8	Unscrew bolts (11) from front CBS (1).		
9	Loosen catches (12) on CBS front end (1) and remove CBS front end (1) with aid of helper.	Lay front CBS (1) down on suitable subsurface.	
10	Install in the reverse order		

AR82.30-P-6100KD

Remove and install wiper arm

4.8.08



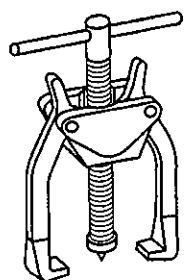


1 Trim
2 Wiper arm

3 Nut
4 Wiper arm shaft

5  Puller

 	Remove/install		
 Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.	Always remove ignition key when working on windshield wiper mechanism.	
1	Allow wiper motor to run in end position and switch off ignition		
2	Remove cap on nut (3)		
3	Unscrew nut (3) on wiper arm (2)		20 Nm
4	Position puller (5) on wiper arm shaft (4)		001 589 38 33 00
5	Detach wiper arm (2) using puller (5)		001 589 38 33 00
6	Remove puller (5)		001 589 38 33 00
7	Remove wiper arm (2)		
8	Install in the reverse order		



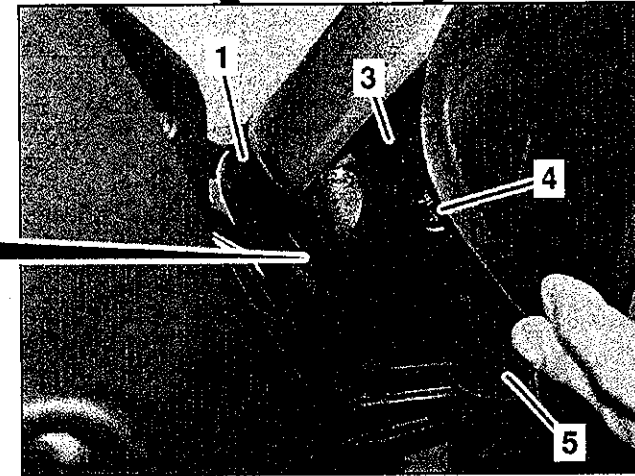
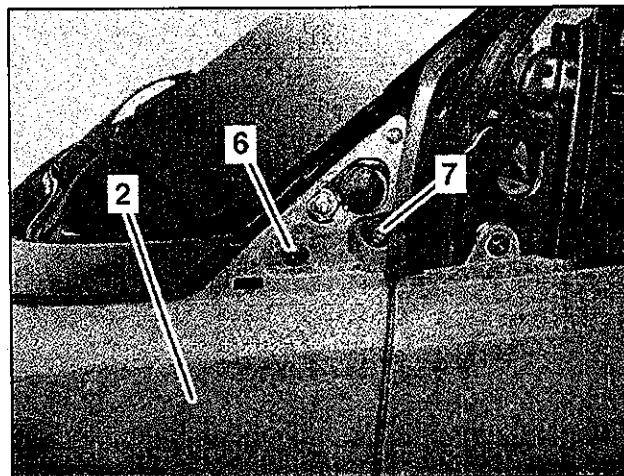
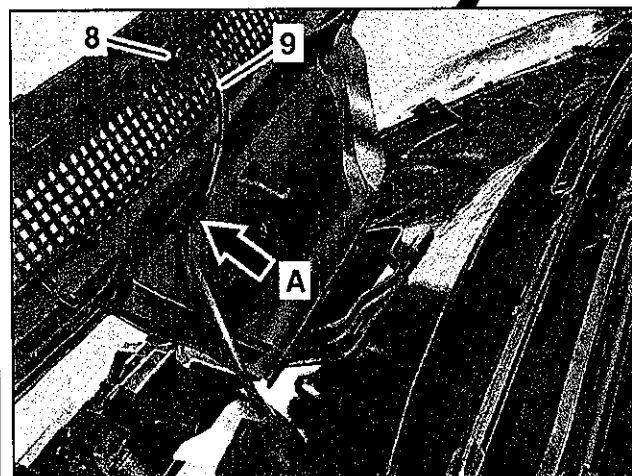
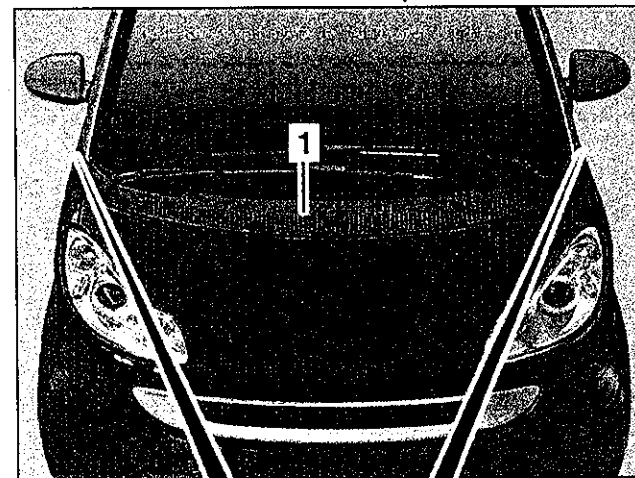
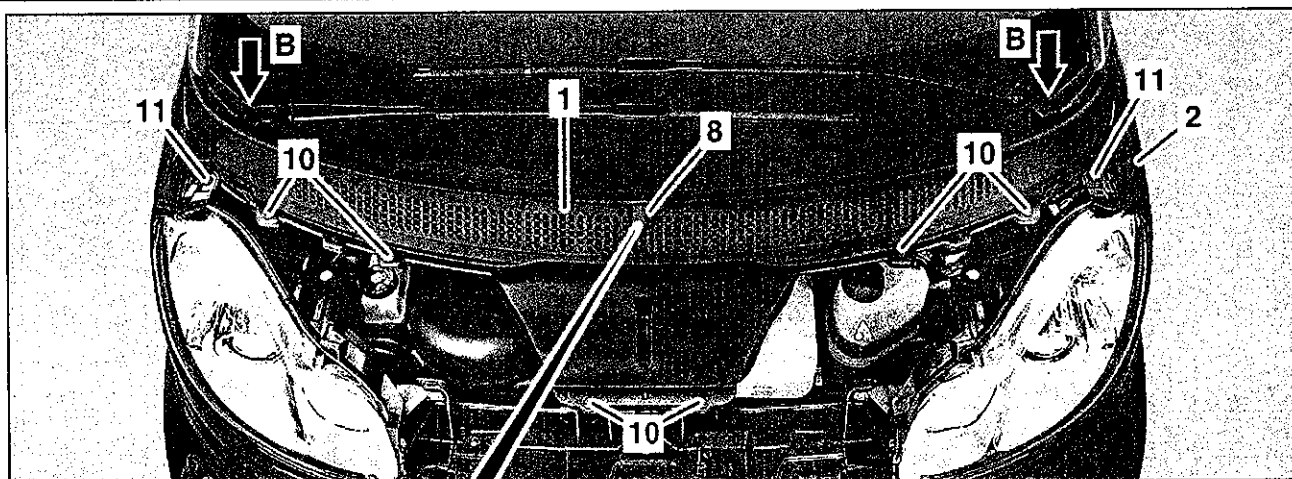
001 589 38 33 00

Puller

AR88.00-P-2792KD

Remove/install trim on center piece in front of windshield

4.8.08



P88.00-2338-09

1	Trim	5	Edge guard	9	Hose
2	Front CBS	6	Bolt	10	Bolts
3	Fender cover	7	Bolt	11	Bolt
4	Expansion clip	8	Spray nozzle		

 	Remove/install		
1	Remove maintenance flap		
2	Remove antenna rod		
3	Open left and right door, press edge guard (5) to side in area of left and right fender covering (3) on both sides and remove expansion clip (4).		
4	Slightly slide left and right fender covering (3) upward and remove.		
5	Unscrew bolts (6, 7)	 Installation: Check whether guide sleeve on bolt (7) is seated correctly.	
6	Unscrew bolt (11) in area of left front lamp unit and right front lamp unit.		
7	Unscrew bolts (10) from paneling (1)		
8	Carefully remove trim (1) toward front and covering (arrow B) simultaneously toward rear until hose (9) on spray nozzle (8) is accessible.	 Installation: Observe installation position of hose (9) (arrow A) and covering (arrows B) in paneling (1).	



9	Remove hose (9) from spray nozzle (8) and lay trim (1) down to side.		
10	Loosen spray nozzle (8) from trim (1) from rear with suitable pliers and remove.	When replacing trim (1).	
11	Install in the reverse order		

AR72.10-P-0500KD

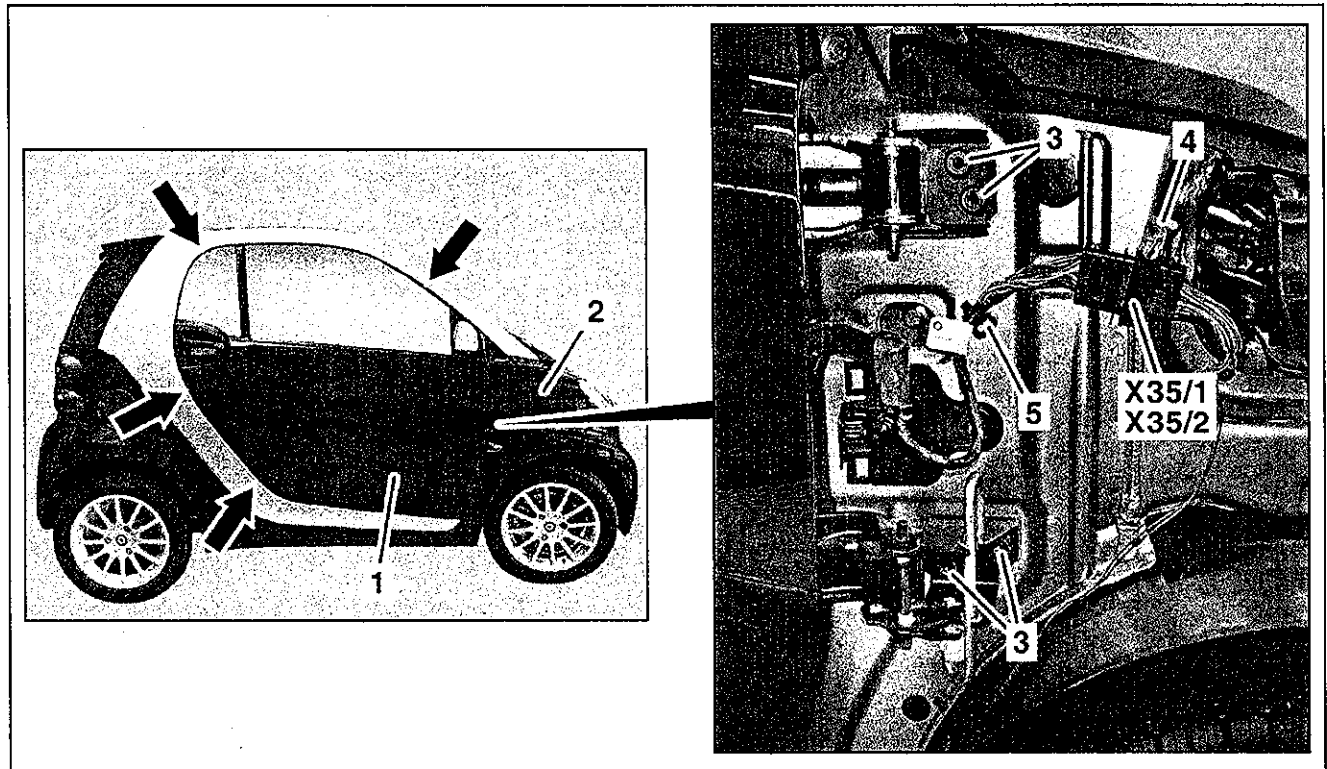
Remove/install front door

3.8.08

Shown on right side of vehicle on model
451.3

- 1 Door
- 2 Front CBS
- 3 Bolts
- 4 Fuse
- 5 Retaining clip

X35/1 Left door separation point
X35/2 Right door separation point



P72.10-3376-05



Remove/install

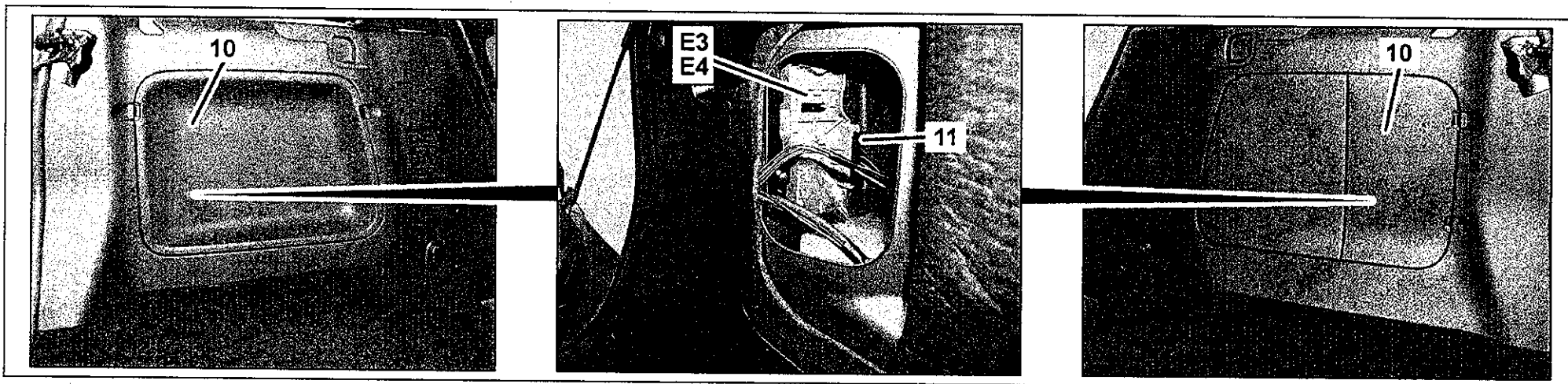


Danger!	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.	Keep body parts and limbs well clear of moving parts.	
1	Remove service flap		
2	Mark installation position of left and right door (1) in area of door hinge on A-pillar.		
3	Mark installation position of left and right door (1) in marked areas (arrows) in relation to body with adhesive tape.		
4	Release retainer (4) and disconnect left door separation point (X35/1) or right door separation point (X35/2)		
5	Loosen retaining clip (5) on A-pillar.		
6	Unscrew bolts (3) of upper and lower door hinge on A-pillar, open door (1) and remove with aid of helper.	Installation: Open door (1) a number of times against stop after tightening bolts (3). Then close door (1) and retighten bolts (3). Check door gaps (1); adjust if necessary. 	40 Nm
7	Install in the reverse order		

AR88.20-P-1900KD

Remove/install rear CBS

4.8.08



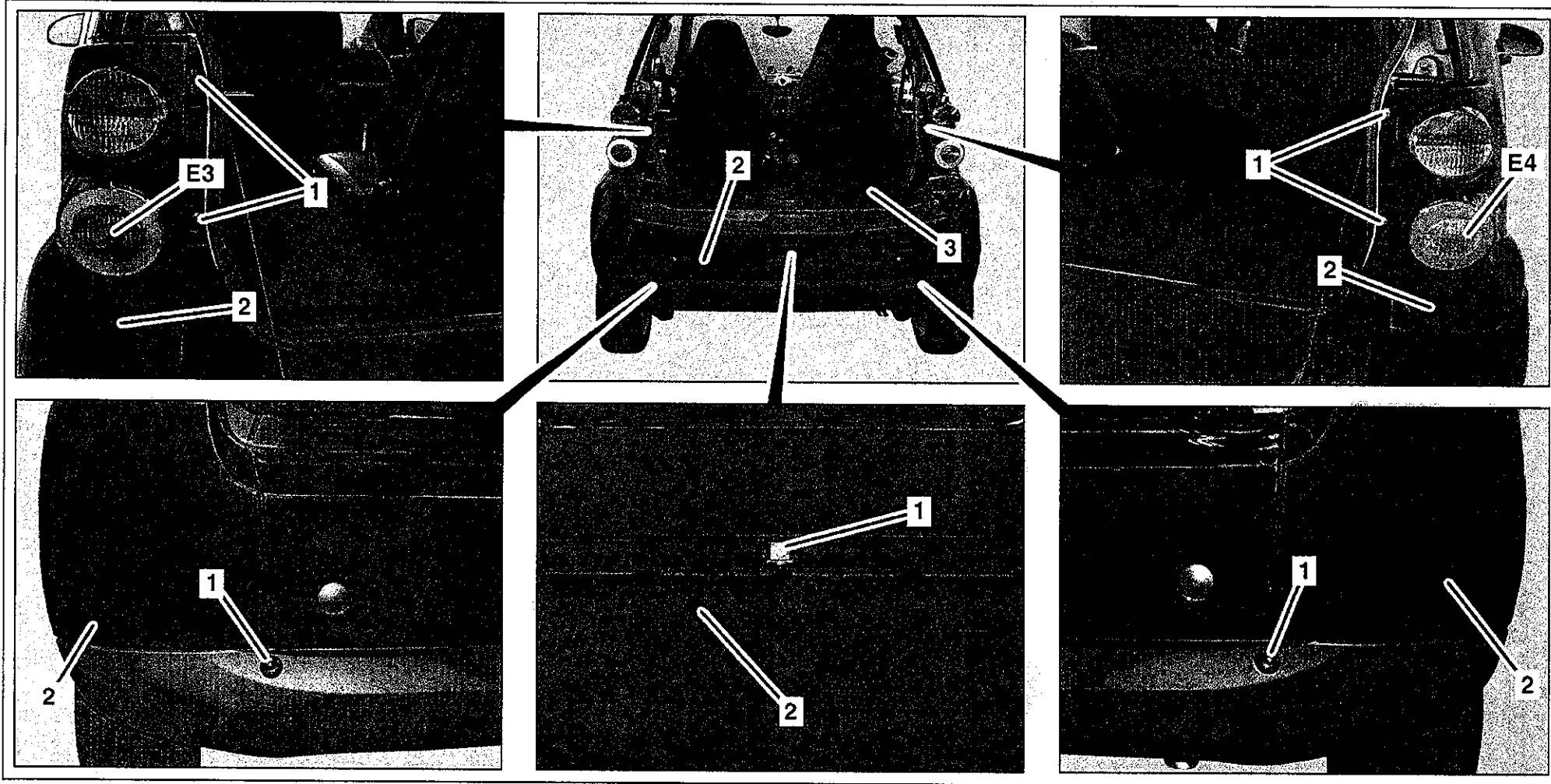
P88.20-3104-07

10 Cover

11 Electrical connector

E3 Left taillamp

E4 Right taillamp

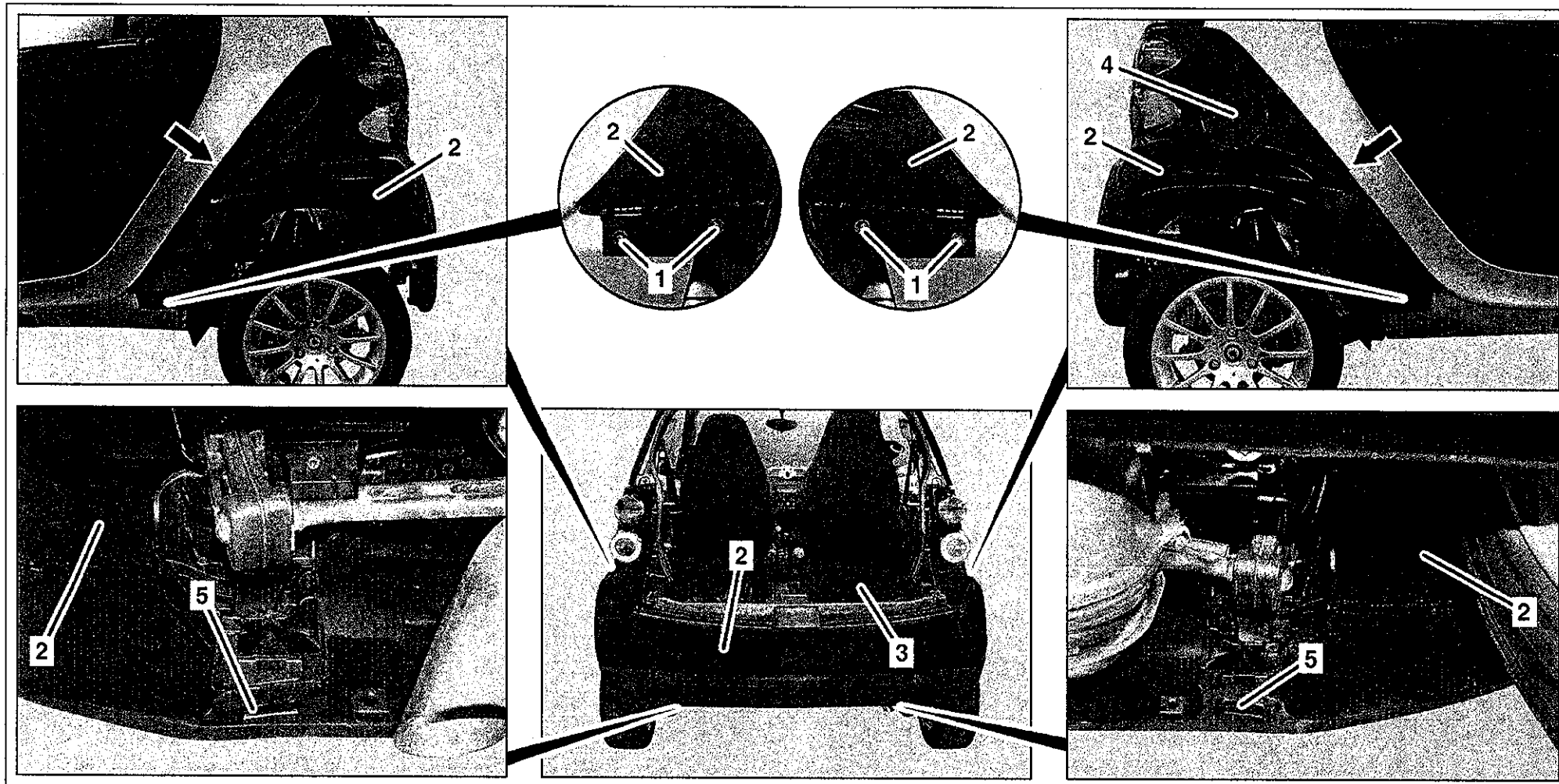


P88.20-2959-09

1 Bolts
2 Rear CBS

3 Rear-end door

E3 Left taillamp
E4 Right taillamp

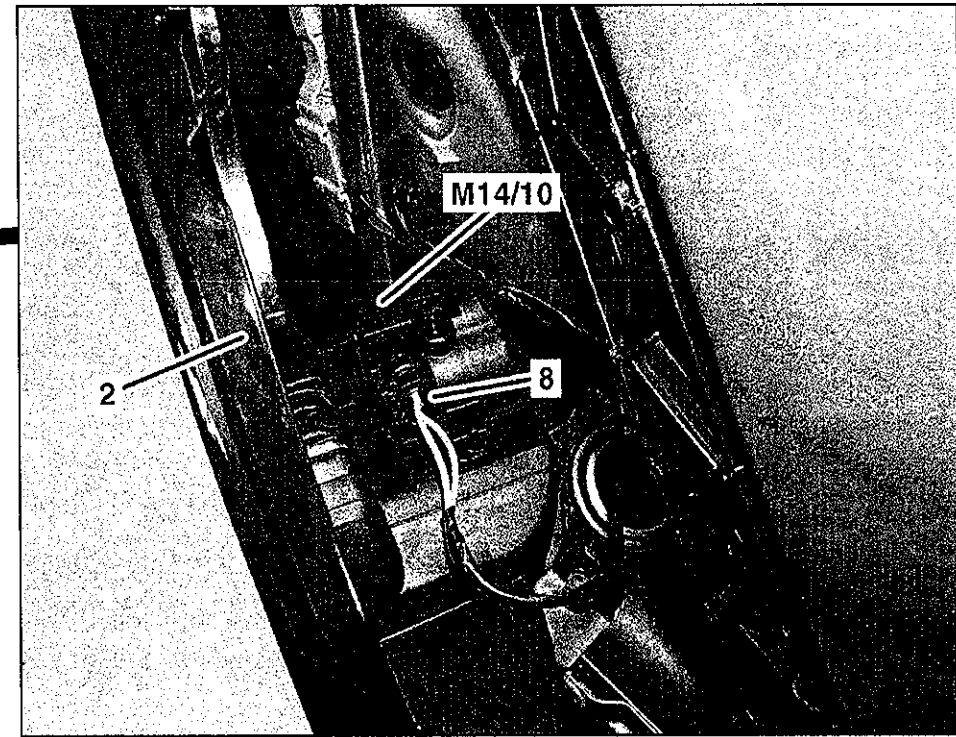
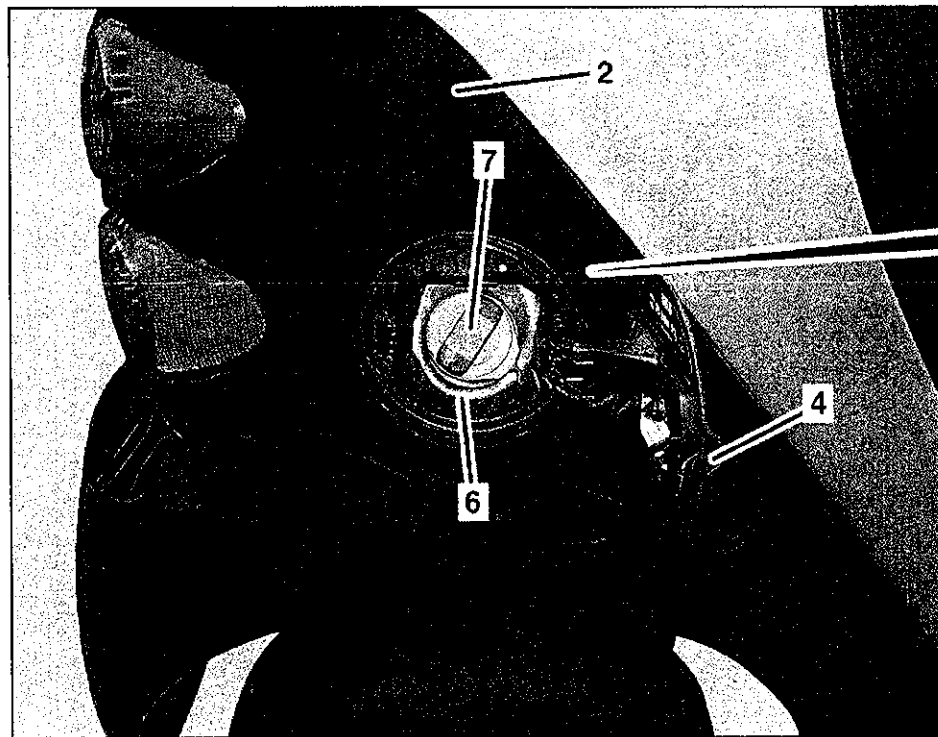


1 Bolts
2 Rear CBS

3 Rear-end door
4 Fuel filler flap

5 Catch hook

P88.20-3035-09



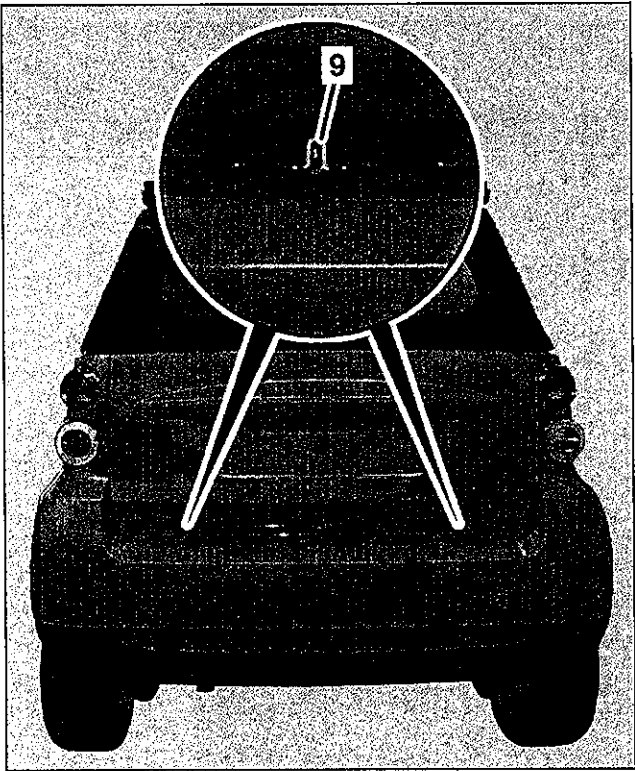
P88.20-2961-08

2 Rear CBS
4 Fuel filler flap

6 Gasket
7 Latch

8 Electrical connector
M14/10 Fuel filler flap CL [ZV] motor

9 Mounting bolt (with code (E14) Basic carrier (DFO))

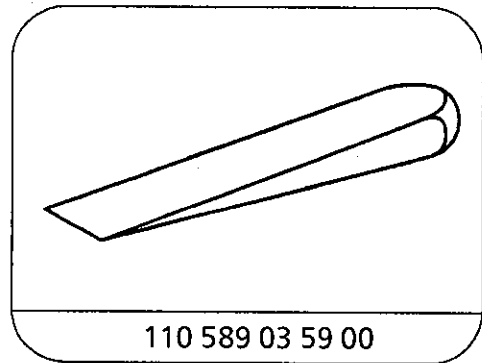


P82.20-2982-02

 	Remove/install		
1	Open tailgate (3)		
2	Remove covers (10) and disconnect electrical connector (11) from left taillamp (E3) and right taillamp (E4)		
3	Unscrew bolts (1) from rear CBS (2).		

4	Unscrew mounting bolt (9).	On vehicles with code (E14) Basic carrier (DFO)	
5	Loosen catch hook (5) on left and right bottom on rear CBS (2).		
6	Open fuel filler flap (4) and unscrew lock (7).		
7	Carefully loosen rear CBS (2) in marked area (arrows) starting at bottom with assembly wedge.	  Installation: Slide seal (6) over tank filler neck and align.	110 589 03 59 00
8	Slightly pull rear CBS (2) toward outside in area of fuel filler flap (4) and disconnect electrical connector (8) from fuel filler flap CL motor (M14/10)		
9	Close rear-end door (3).		
10	Guide rear CBS (2) downward along rear-end door (3) on left.	 Carefully remove rear CBS (2), otherwise rear-end door (3) and rear CBS (2) can be damaged by scratching.  Aid of helper required.	
11	Guide rear CBS (2) downward along rear-end door (3) on right side and remove.	 Carefully remove rear CBS (2), otherwise rear-end door (3) and rear CBS (2) can be damaged by scratching.	

		i Aid of helper required. Lay rear CBS (2) down on suitable subsurface.	
12	Loosen latch (7) on fuel filler flap (4) and close tank filler neck		
13	Install in the reverse order		
14	Check left taillamp (E3) and right taillamp (E4) for proper function		

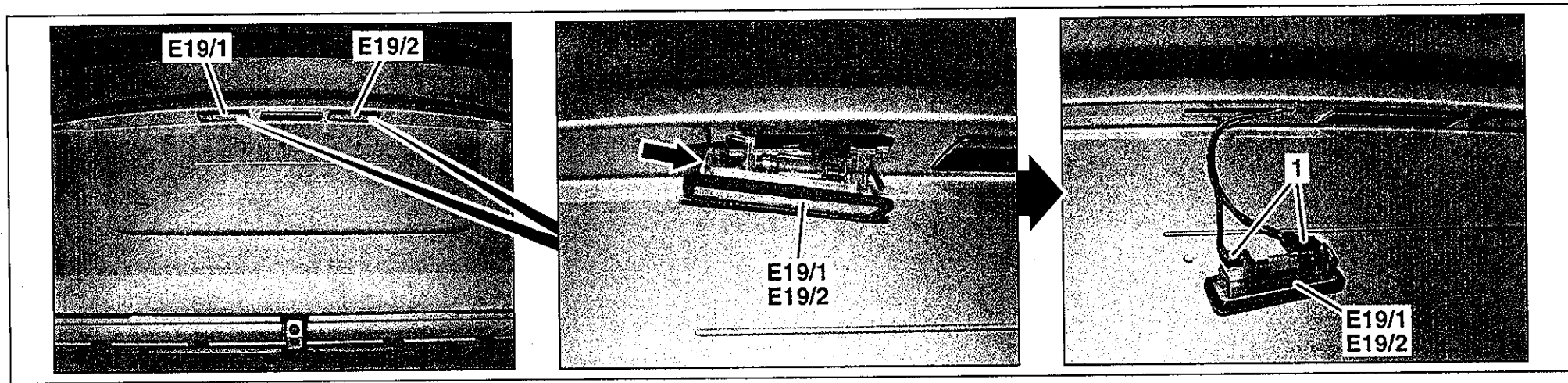


110 589 03 59 00

Mounting wedge



AR82.10-P-5161KD	Remove/install license plate lamps	4.8.08
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P82.10-4599-07

- 1 Electrical connectors
- E19/1 Left license plate lamp
- E19/2 Right license plate lamp

 	Remove/install		
1	Release catch (arrow) and lead left license plate lamp (E19/1) or right license plate lamp (E19/2) downward out of rear-end door until the electrical connectors (1) are accessible		

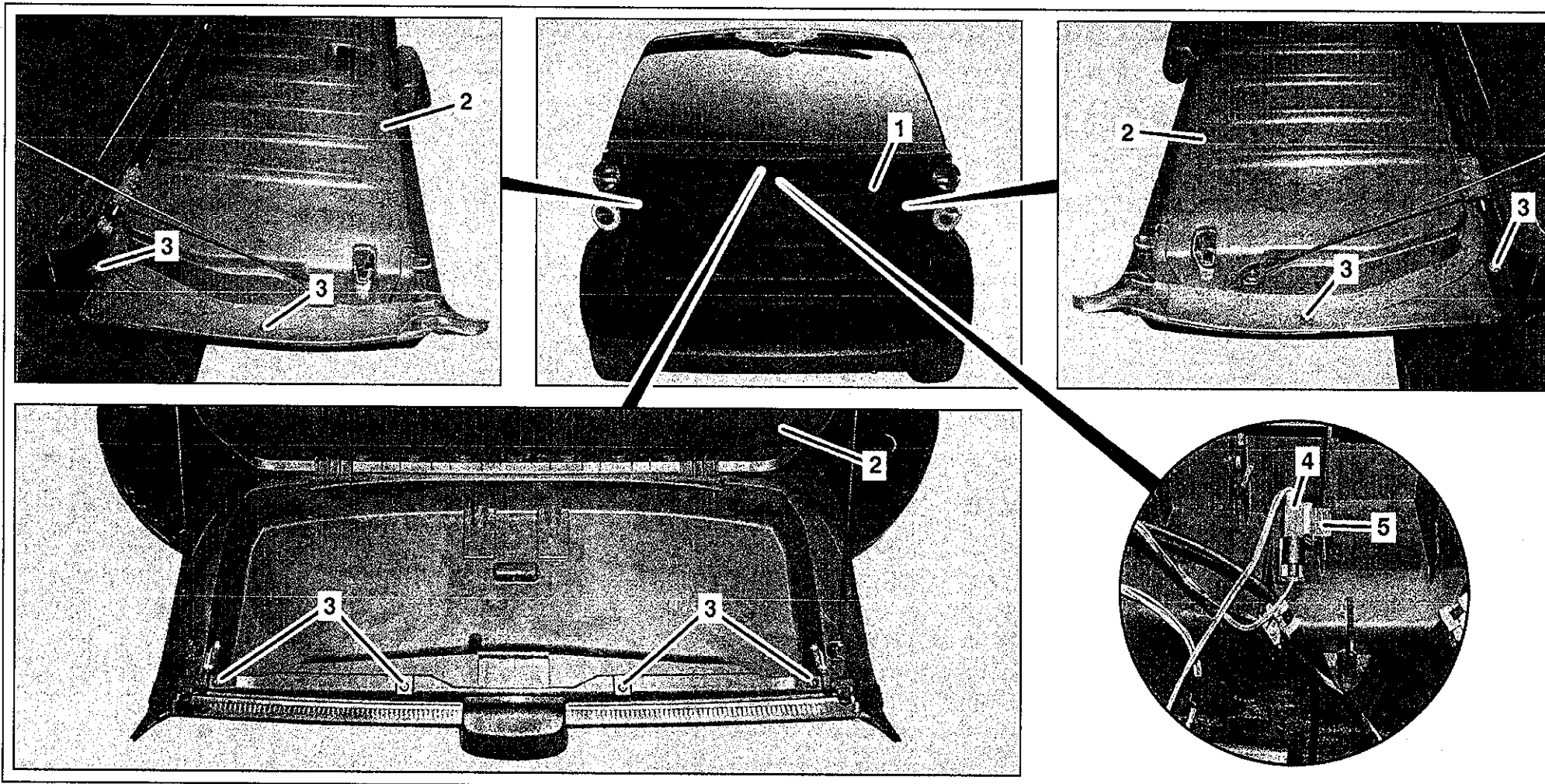


2	Disconnect electrical connectors (1) and remove left license plate lamp (E19/1) or right license plate lamp (E19/2)		
3	Install in the reverse order		
4	Perform function test on left license plate lamp (E19/1) or right license plate lamp (E19/2)		

AR72.20-P-1000KD

Remove rear-end door paneling

3.8.08



1 Bottom rear-end door paneling

2 Inner cover

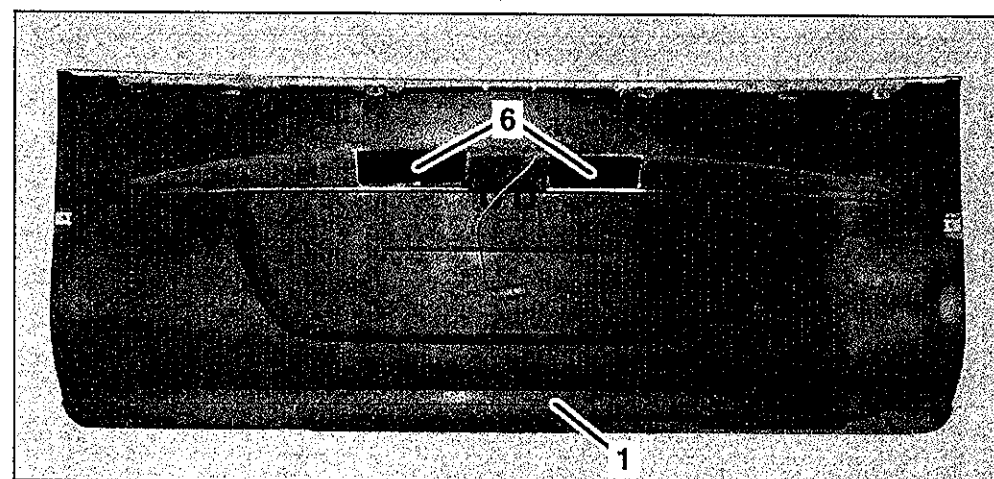
3 Bolts

4 Electrical connector

5 Retaining clip

1 Bottom rear-end door paneling

6 Strips of black textile tape



P72.20-2587-10

 	Remove/install		
1	Open bottom rear-end door and inner cover (2) on bottom rear-end door.		
2	Unscrew bolts (3) on rear-end door at bottom.	Cordless drill/driver http://gotis aftersales.mercedes-benz.com	
3	Carefully close bottom rear-end door and remove bottom rear-end door paneling (1) until electrical connector (4) on rear-end door handle switch is accessible.	 When removing bottom rear-end door paneling (1), loosen wiring harness on rear-end door handle switch from retaining clip (5) on bottom rear-end door.	

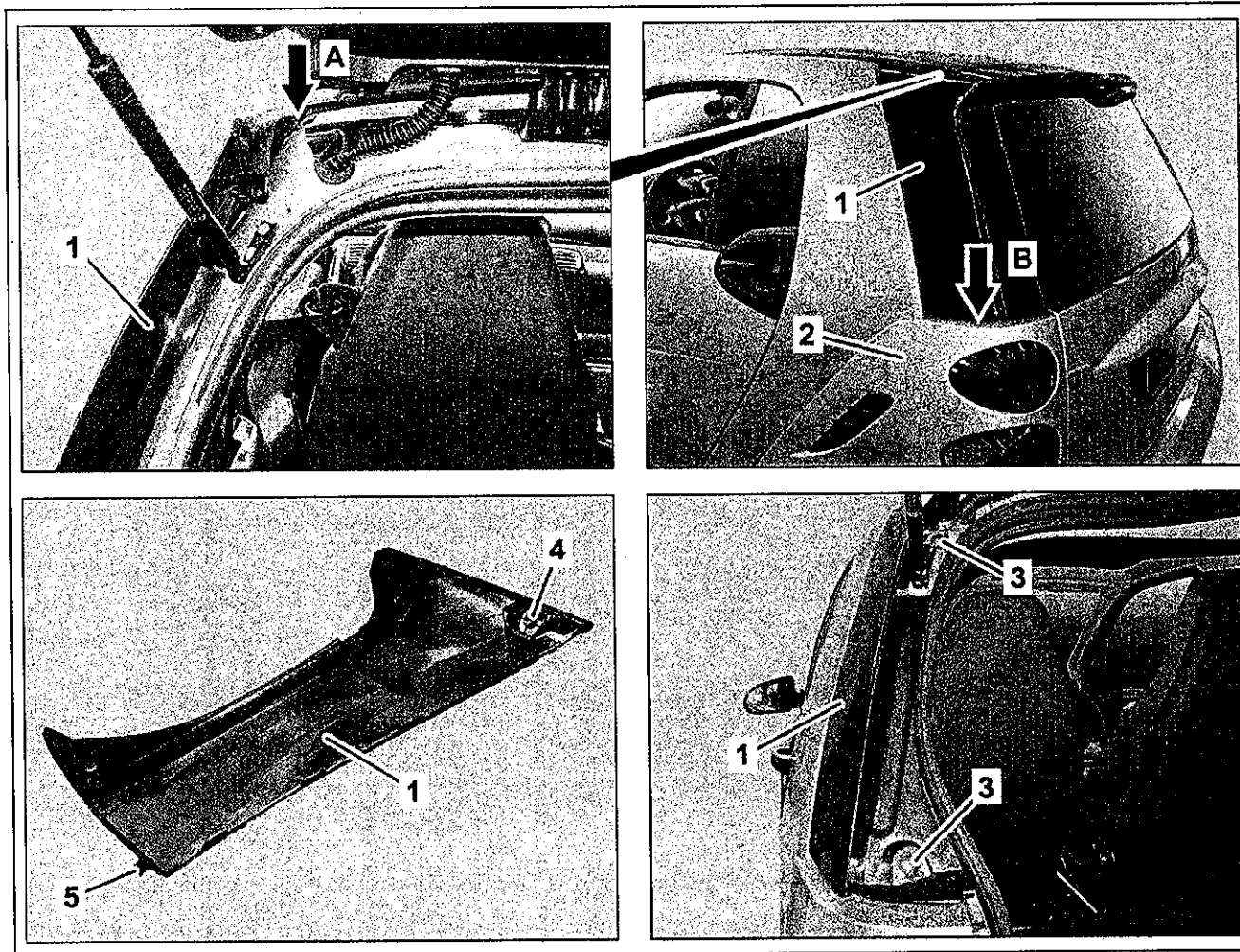
4	Disconnect electrical connector (4)	i Installation: Connect electrical connector (4) and check rear-end door handle switch for proper function.	
5	Remove bottom rear-end door paneling (1)	i On vehicles with yellow, red or white bottom rear-end door paneling (1), mask off area above license plate lamps with strips of black textile adhesive tape (6).	
6	Install in the reverse order		

AR88.30-P-1200KD

Remove/install C-pillar outer cover

6.8.08

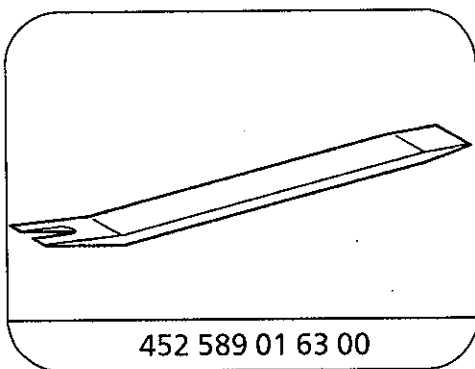
- 1 Outer cover
- 2 Rear CBS
- 3 Bolt
- 4 Retaining clip
- 5 Bracket



P88.30-2434-06



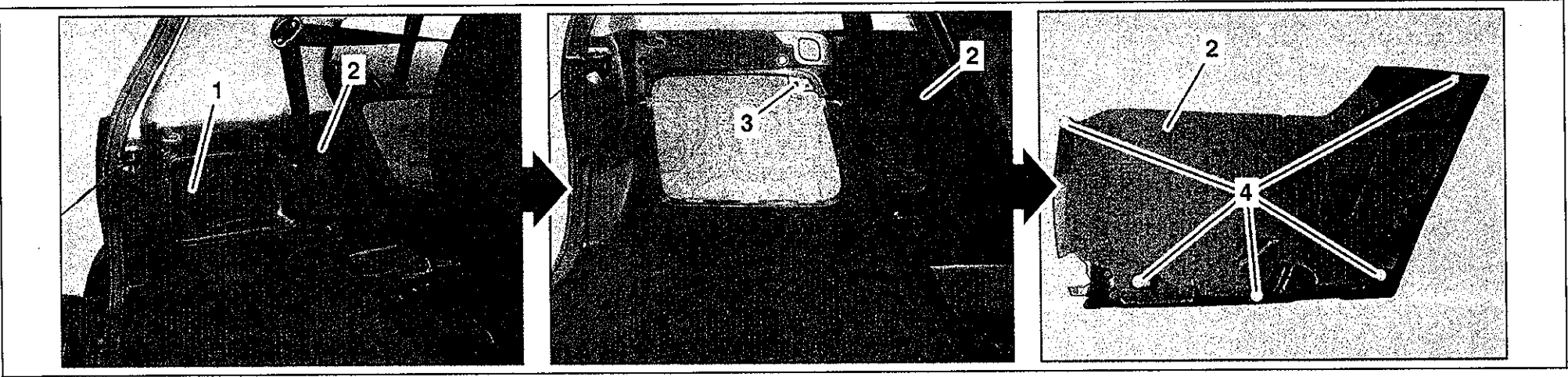
 	Remove/install		
1	Open rear-end door upper section and remove bolts (3)		
2	Mask off roof paneling in area of outer cover (1) with suitable textile adhesive tape		
3	Unclip retaining clip (4) on outer cover (1) in marked area (arrow A) with snap-release tool		452 589 01 63 00
4	Remove outer cover (1) upward	 Installation: Check retaining clip (4) on outer cover (1); replace if necessary. Ensure that bracket (5) is seated correctly in area (arrow B) on CBS rear end (2).	
5	Install in the reverse order		



Snap-release tool



AR68.30-P-4800KD	Remove/install side paneling in trunk	3.8.08
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P68.30-3297-07

Shown on left side on model 451.3

- 1 Cover
- 2 Trunk paneling
- 3 Screw
- 4 Clip

 	Remove/install		
1	Adjust left and right seat toward front		
2.1	Unclip cap below right trunk paneling (2) and remove	When removing right trunk paneling (2).	



2.2	Unclip cover (1) on left trunk paneling (2) and remove	When removing left trunk paneling (1).	
3	Unscrew bolt (3) from trunk paneling (2)	 On right trunk paneling (2), bolt (3) is located behind cap at bottom.	
4	Unclip trunk paneling (2) and remove	 Check clips (4) on trunk paneling (2), replace if necessary.  Installation: Position edge guard on lower rear-end door in area of trunk paneling (2) with suitable tool.	
5	Install in the reverse order		

AR72.20-P-3500KD

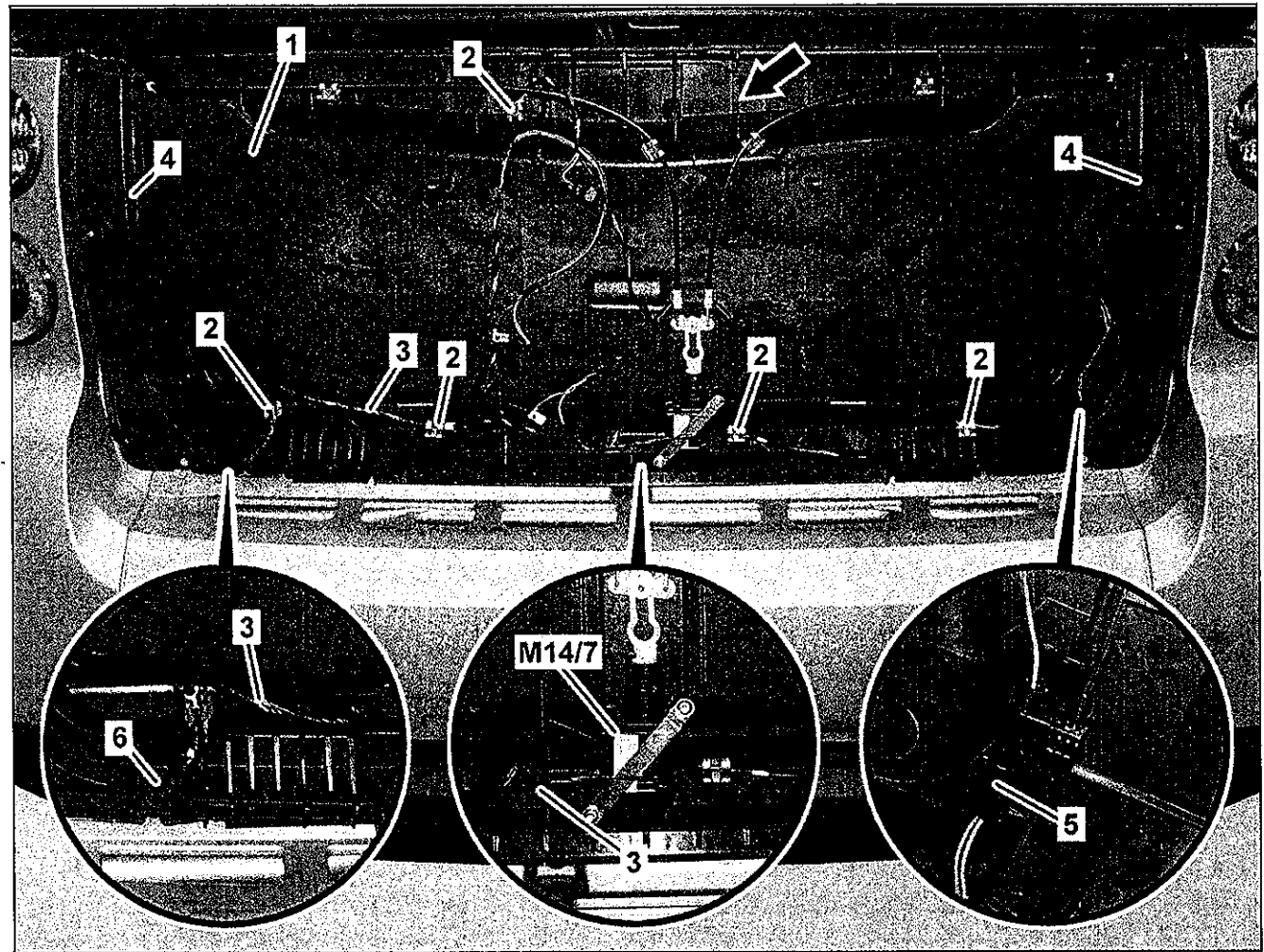
Remove/install rear-end door

3.8.08

Illustrated on model 451.4

- 1 Rear-end door
- 2 Retaining clamp
- 3 Rear-end door wiring harness
- 4 Cover
- 5 Electrical connector
- 6 Grommet

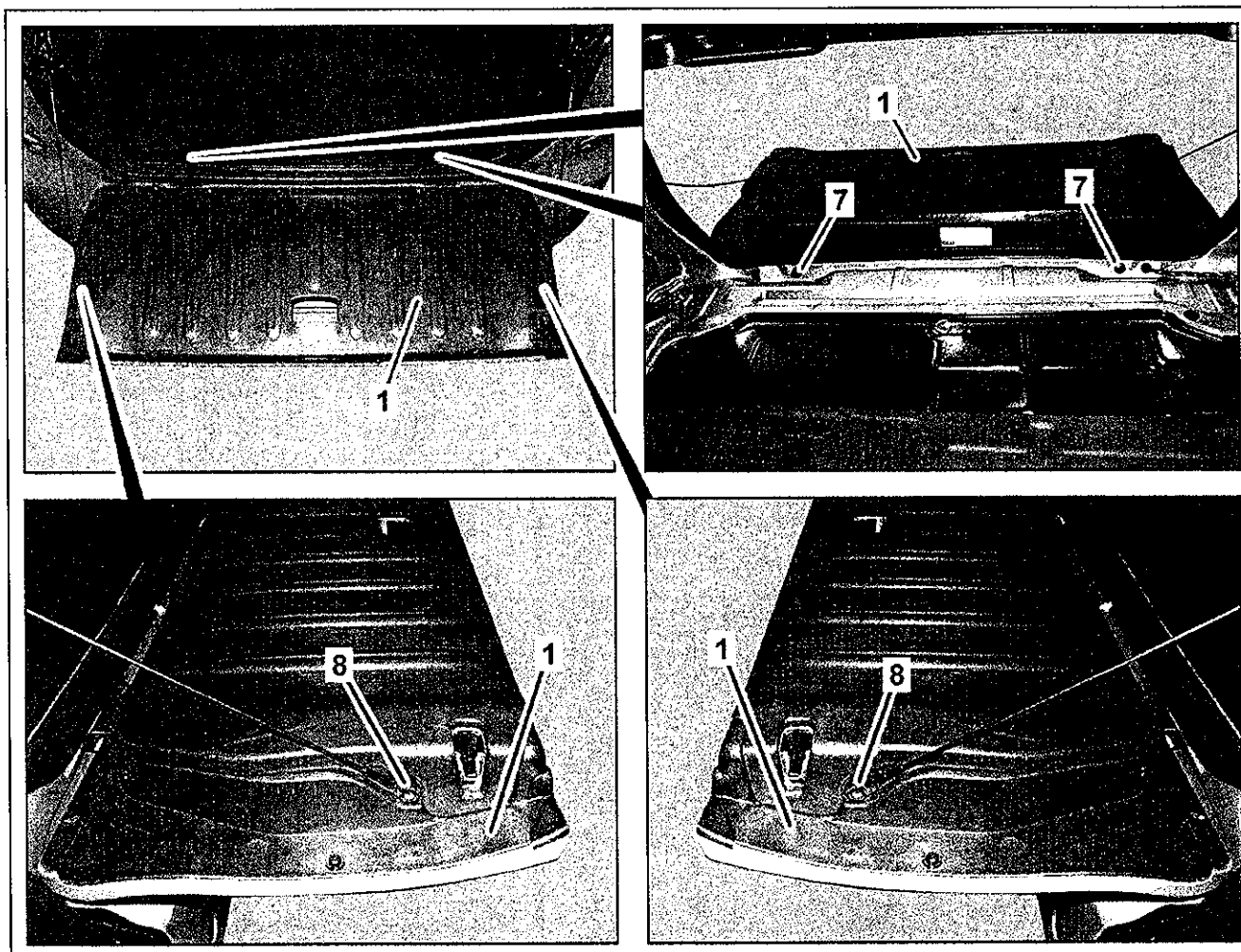
M14/7 Rear-end door CL [ZV] motor



P72.20-2628-06

Illustrated on model 451.4

- 1 Rear-end door
- 7 Nut
- 8 Bolt



P72.20-2629-06

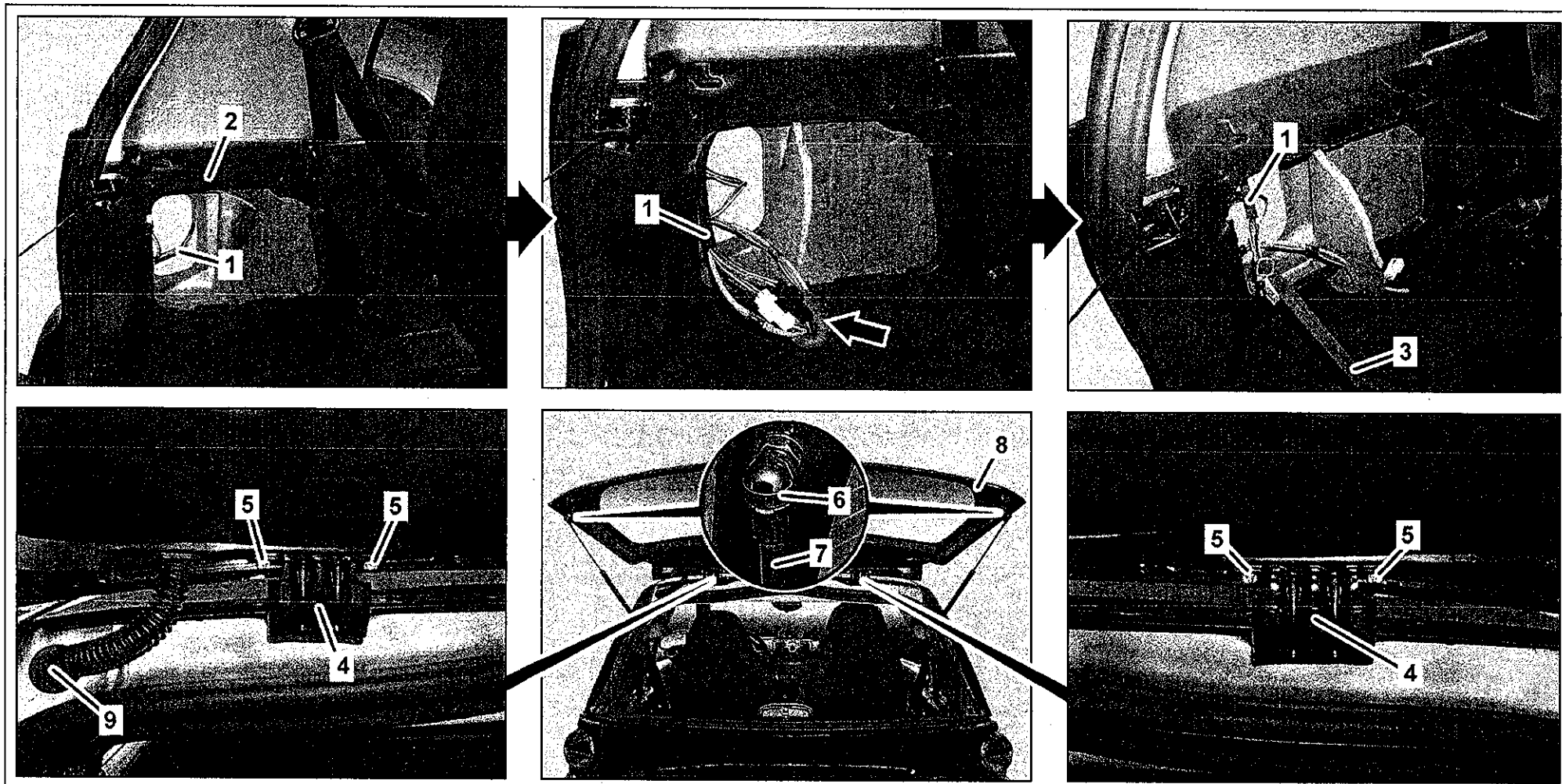
	Remove/install		
1	Remove covers (4) from left and right door lock on rear-end door (1).		

2	Separate electrical connector (5)	 On model 451.3 the electrical connector (5) is located in the marked area (arrow).	
3	Disconnect electrical connector from rear-end door CL motor (M14/7)		
4	Loosen retaining clamp (2) from rear-end door wiring harness (3) and expose rear-end door wiring harness (3) on rear-end door (1).		
5	Loosen grommet (6) on rear-end door (1)		
6	Open rear-end door (1) and loosen bolt (8) on left and right door check strap on rear-end door (1).	 The bolt (8) remains on the corresponding door check strap. 	20 Nm
7	Lift load compartment floor covering, unscrew nut (7) on left and right hinge on rear-end door (1) and remove rear-end door (1).		43 Nm
8	Install in the reverse order		

AR72.20-P-3500KDE

Remove/install rear-end door

3.8.08





1 Rear-end door wiring harness

2 Side trunk lining

3 Pulling aid

4 Door hinge

5 Screw

6 Retainer

7 Gas-operated strut

8 Rear-end door

9 Grommet

 	Remove/install		
1	Remove cover on left side luggage compartment paneling (2).		
2	Guide rear-end door wiring harness (1) out of body opening		
3	Push back foam rubber jacketing (arrow) and disconnect all electrical connectors as well as water fluid hose on rear-end door wiring harness (1).		
4	Loosen grommet (9) on rear-end door wiring harness (1) in area of left door hinge (4).	 Installation: Arrow on grommet (9) should coincide with marking on body.	
5	Fasten suitable pulling out (3) on rear-end door wiring harness (1) and guide rear-end door (1) upward out of vehicle.		
 Danger!	Risk of injury Gas pressure struts are under high pressure and can pinch and crush body parts during work	Remove and install gas pressure struts only in relaxed position and on components properly secured.	



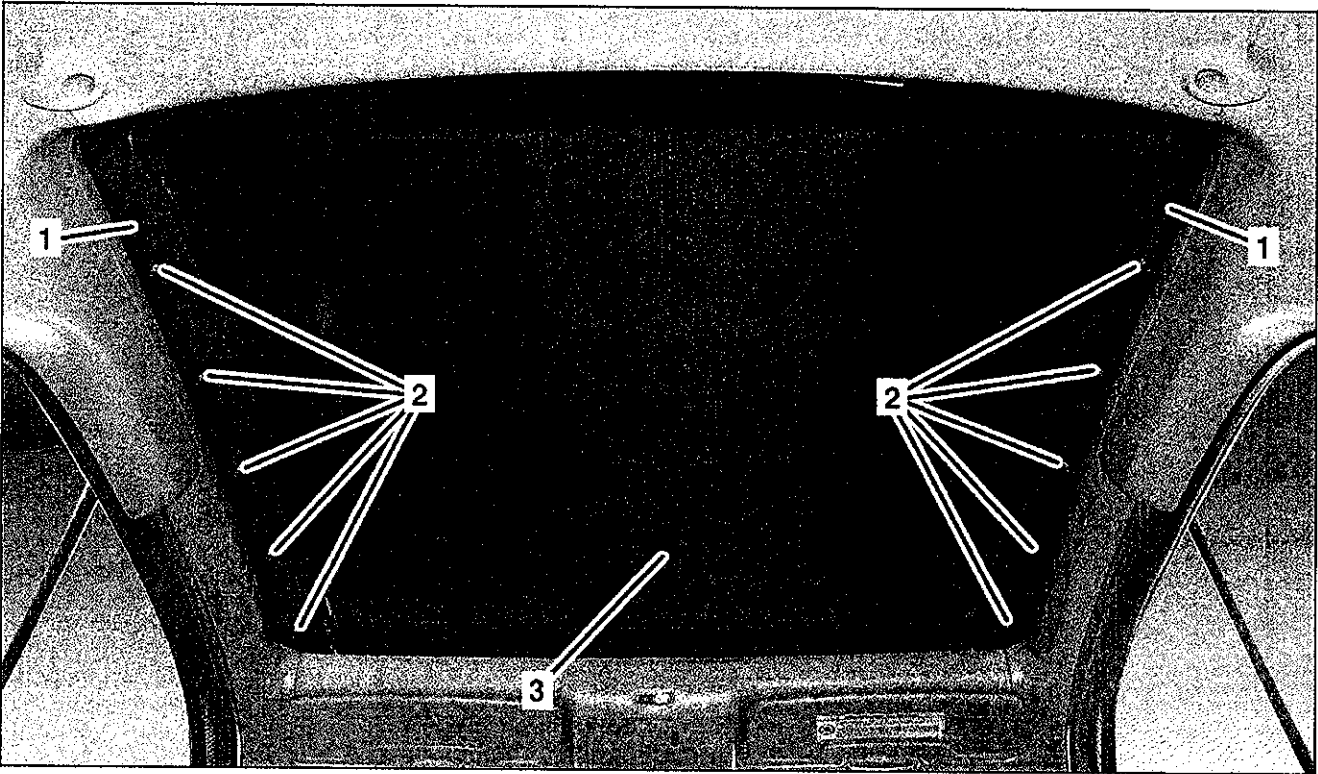
6	Lift retainers (6) with suitable screwdriver and unclip gas-operated strut (7) on rear-end door (8).	 Ensure that rear-end door (8) does not close unintentionally to prevent damage. Do not remove retainers (6) because otherwise tension on retainers (6) is lost.  Installation: Clip gas-operated strut (7) to ball heads on rear-end door (8) using retainers (6) clipped in.	
7	Remove bolts (5) from door hinges (4) and take off rear-end door (8).	 Aid of helper required.  Installation: Check gaps on rear-end door (8), adjust if necessary. 	12 Nm
8	Install in the reverse order		
9	Check rear window heater, rear wiper system and center high-mounted brake lamp for proper function		

AR77.21-P-0205KD

Remove/install roller sun blind on panoramic sunroof

3.8.08

- 1 Guide rail
- 2 Bolts
- 3 Roller sun blind



P77.21-2185-05

⊗ ⊗	Remove/install		
1	Adjust left and right seat toward rear.		

2	Close roller sun blind (3)	ⓘ The roller sun blind (3) should be in the closed position to prevent damage when removing.	
3	Remove bolts (2) from left and right guide rails (1)	ⓘ Installation: Tighten bolts (2) in a cross pattern. Start with center bolts (2). Nm	2 Nm
4	Grab roller sun blind (3) at guide rails (1) and remove from vehicle with aid of helper	ⓘ When removing roller sun blinds (3), ensure that they do not roll up, otherwise they might be damaged and will have to be replaced.	
5	Install in the reverse order		



AS65.00-Z-0001-01A	Risk of injury. Injury may result if the cutting wire tears or heats up while using it to cut out components that are glued into place.	Wear protective gloves and safety glasses.	 Danger!
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Risk of injury

When using a cutting wire to cut out components that are glued into place, injury to the eyes and hand may result if the cutting wire tears or becomes heated.

Safety instructions/precautions

- Wear protective gloves.
- Wear safety glasses when cutting out components.

AR65.10-P-5702-01KD

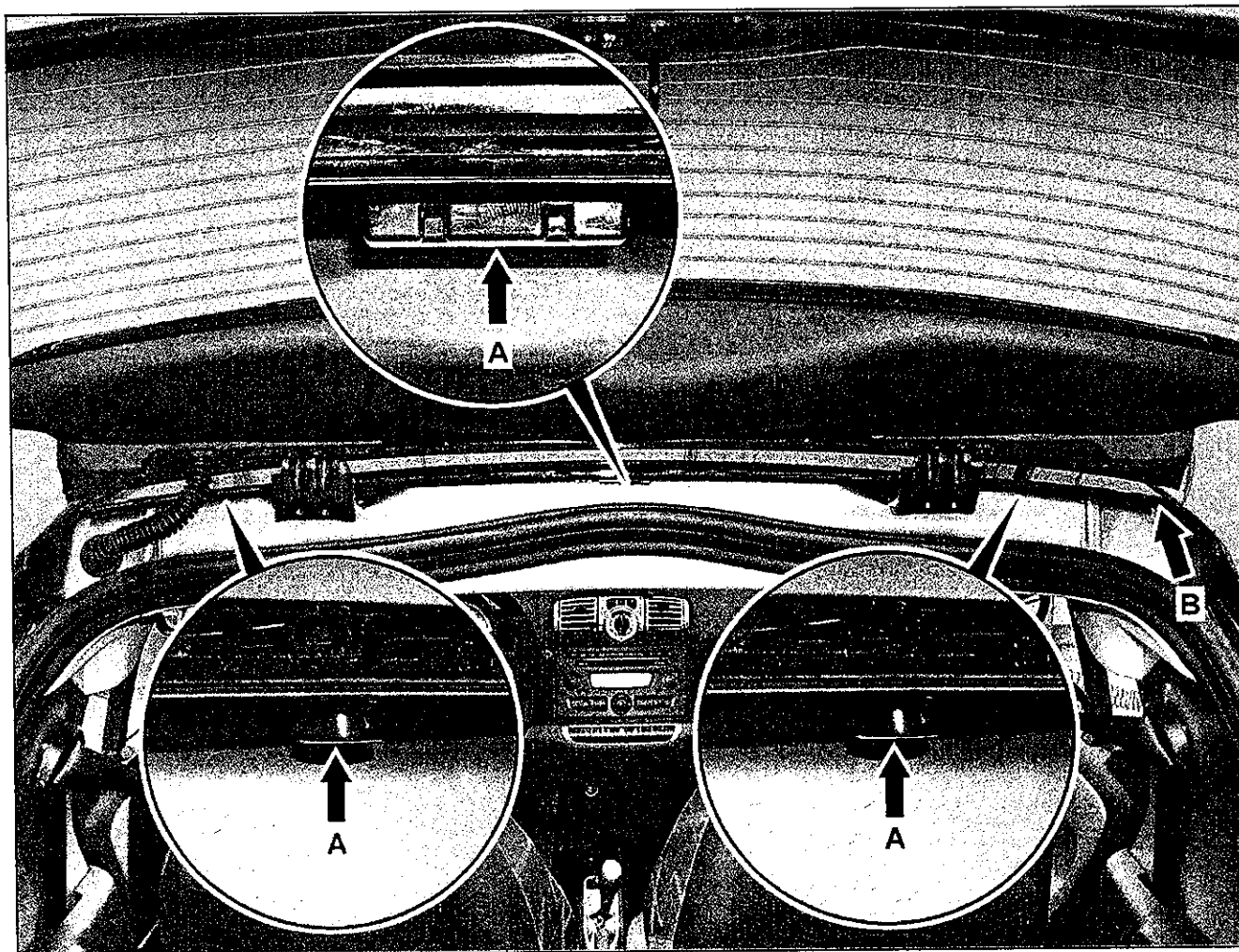
Remove roof paneling

ⓘ Mask off upper edge of windshield as well as attachment and body parts in cutting area with masking tape to prevent damage by cutting wire.

ⓘ Aid of helper required for cut out and removal of roof paneling.

- 1 Press hollow needle on top edge of roof through adhesive seam (arrow B) and guide cutting wire from outside to inside through hollow needle.

ⓘ The recommended length of the cutting wire is 85 cm.



P65.10-3248-06



2 Cut out roof paneling with cutting wire.

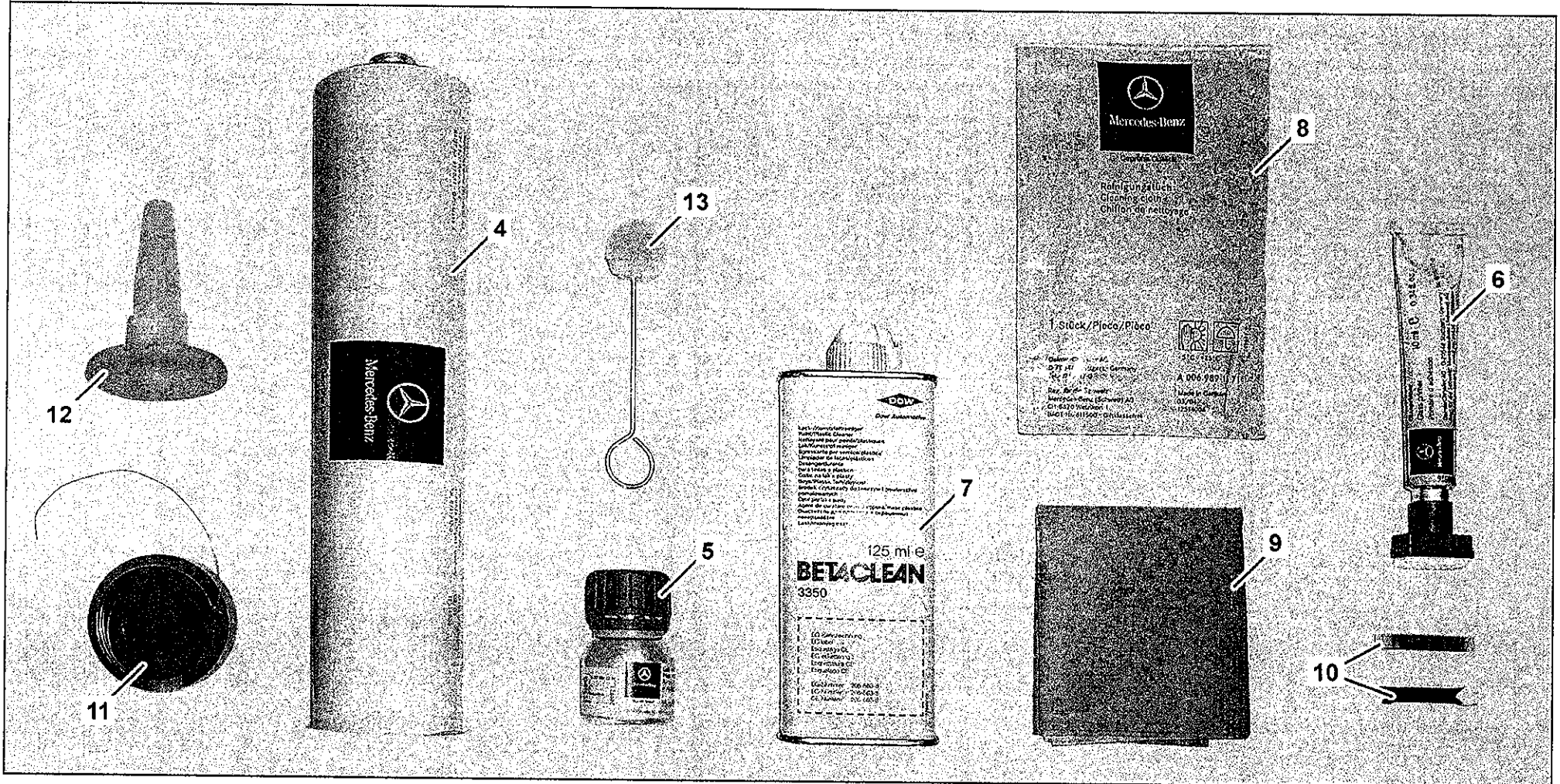
3 Remove roof paneling.

ⓘ With code (E22) Glass roof (FFO):

If the roof paneling is to be reinstalled, ensure that the sprues (arrows A) and the sealing paint on the roof paneling are not damaged, because if damaged, it will be necessary to replace the roof paneling.

AH65.10-P-1000-01KD

Notes on removing/installing roof



P65.10-3254-09



4	Adhesive cartridge	7	Heptane cleaner 3350	10	Spacer
5	Plastic primer	8	Cleaning cloth	11	Cutting wire
6	Primer stick	9	Cloth	12	Application nozzle
				13	Wool wiper

ⓘ Use individual components as described in table below.

Deviation is not permissible, otherwise adhesive force of bonded connection is not ensured.

Allow primer to flash off for at least 10 minutes, but not for more than 15 minutes.

The crank window in the driver door must be opened during the curing time to prevent the component glued in from being pressed out by the air when the doors are closed. Avoid to open and close doors.

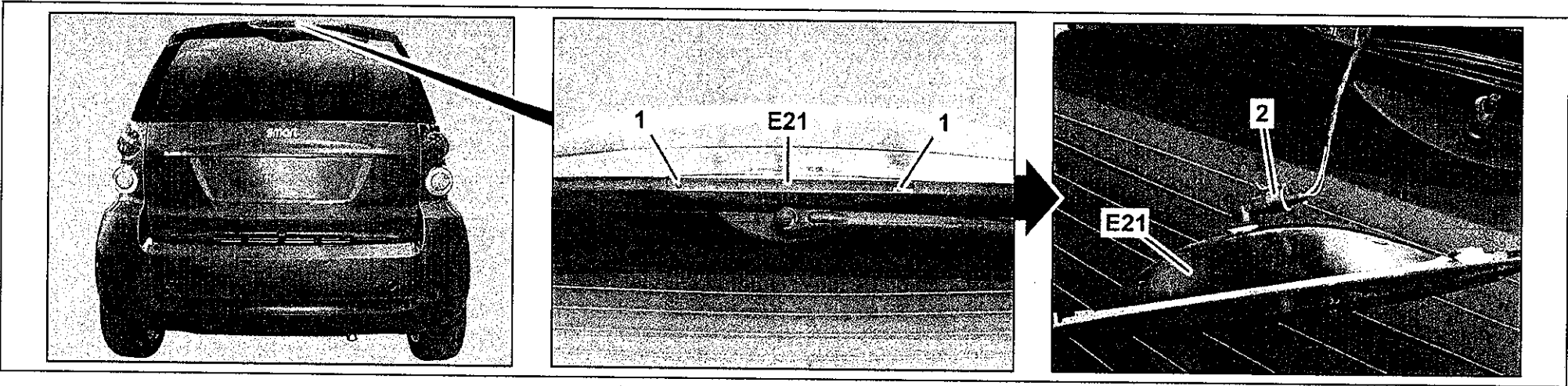
Designation	Note	Use
Adhesive cartridge (4)	Hot application: ● Short processing time ● Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h. ⓘ The adhesive cartridge (4) is heated in cartridge heater. Cartridge heater http://gotis.aftersales.daimlerchrysler.com	Adhesive material for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment

Designation	Note	Use
Plastic primer (5)	Recognizable by red plug; apply with wool wiper (13). ⌚ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Full roof (with code (E23) Full roof (FFO))
Primer stick (6)	PC primer ⌚ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Heptane cleaner 3350 (7)	Apply with cloth (9).	Cleaner for primer surface: ● Full roof (with code (E23) Full roof (FFO))
Cleaning cloth (8)	Cleaning cloth containing isopropanol and cleaning drying cloth	Cleaner for primer surface: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Cloth (9)	Color blue-green	For applying: ● Heptane cleaner 3350 (7)



Designation	Note	Use
Spacer (10)		Spacer (10) for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield
Cutting wire (11)	Cut out with cutting wire (11) and the two handles included in the window removal kit. Glass removal device http://gotis.aftersales.daimlerchrysler.com	To cut out: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment
Application nozzle (12)	 Nozzle tips are already cut to size.	Application of adhesive material in combination with adhesive cartridge (4)
Wool wiper (13)		Applying plastic primer (5)

AR82.10-P-5375KD	Remove/install center high-mounted stop lamp	4.8.08
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P82.10-4980-07

- 1 Screw
- 2 Electrical connector
- E21 Center high-mounted stop lamp

 	Remove/install		
1	Remove bolts (1) of center high-mounted brake lamp (E21)		
2	Remove center high-mounted brake lamp (E21) until the electrical connector (2) is accessible		

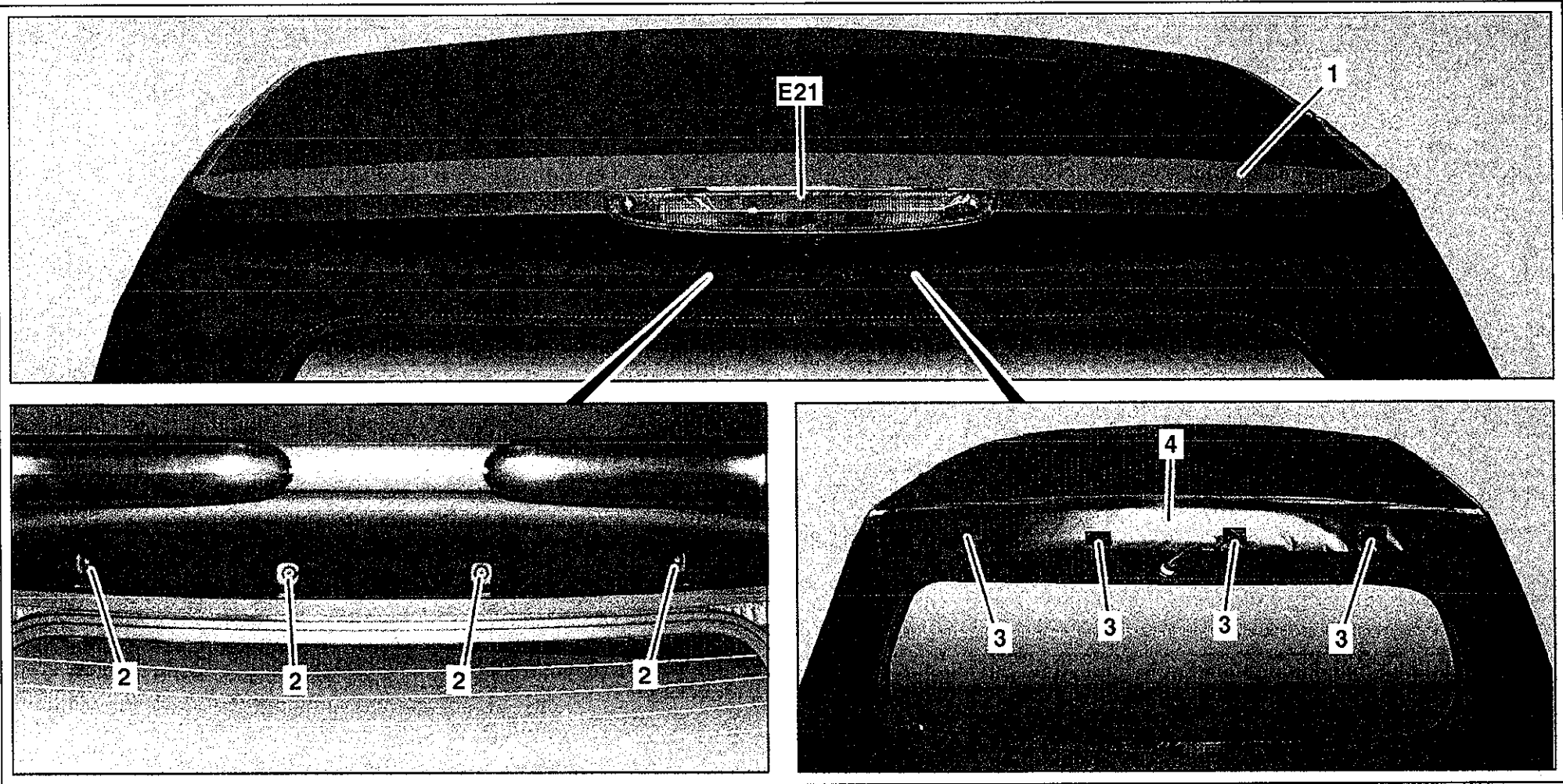


3	Disconnect electrical connector from center high-mounted brake lamp (E21) and remove center high-mounted brake lamp (E21)		
4	Install in the reverse order		
5	Perform function test of center high-mounted brake lamp (E21)		

AR77.33-P-2030KD

Remove/install roof cassette spoiler

3.8.08



1 Spoiler
2 Bolt

3 Sealing strip
4 Sealing

E21 Center high-mounted stop lamp

	Removing		
1	Remove bolts (2)		
2	Remove spoiler (1).		
3	Remove old sealant from spoiler (1) and from seal (4) on soft top.		
	Install		
4	Cut sealing strip (3) down to approx. 30 mm as shown on seal (4) on soft top.		BR00.45-Z-1088-01A
5	Insert bolts (2) into through holes.	 Aid of helper required.	
6	Position spoiler (1) and tighten bolts (2).	 Aid of helper required. Screw in bolts (2) alternately and uniformly.	

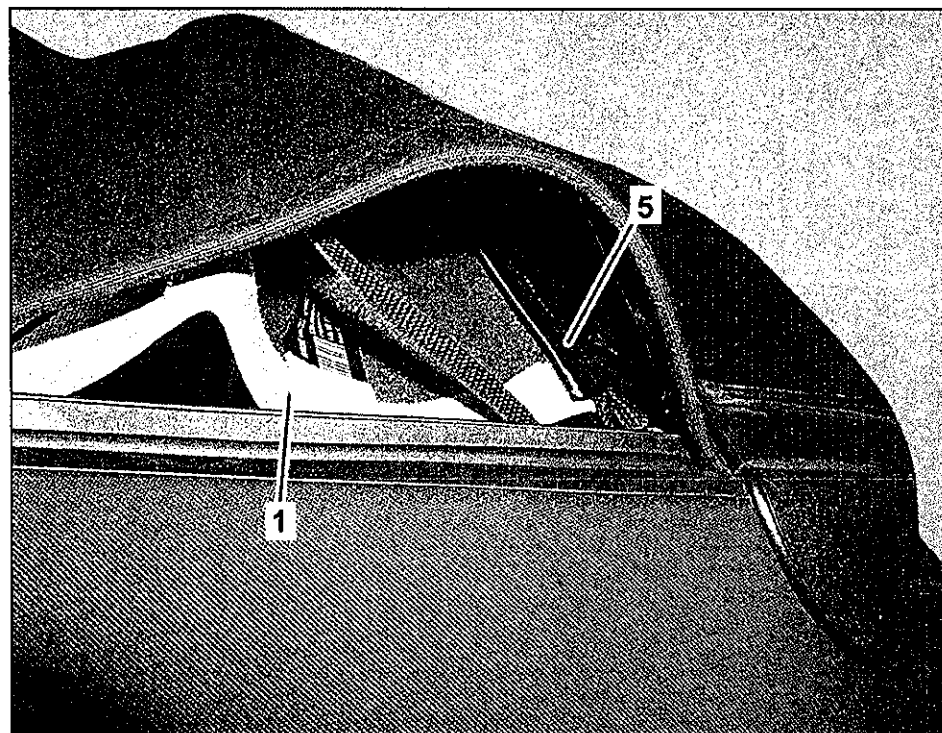
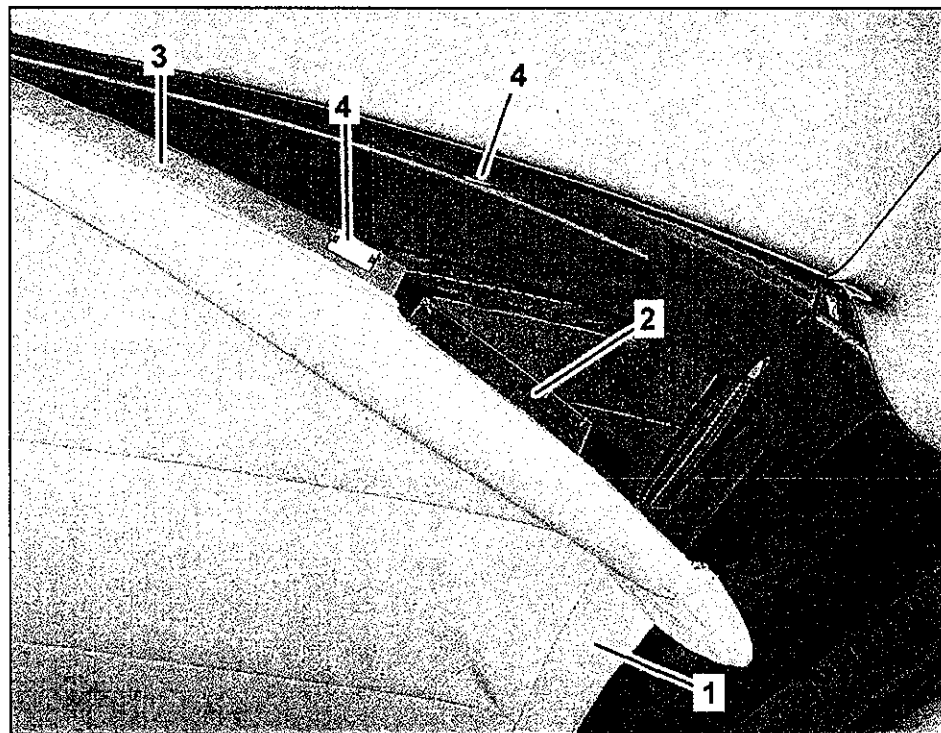
**Repair materials**

Number	Designation	Order number
BR00.45-Z-1088-01A	Sealing strip 119.32 Terostat 20 x 2 mm	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. +49-899268-0 Fax +49-899101978 www.Loctite.de

AR77.31-P-1005KD

Remove/install headliner

3.8.08



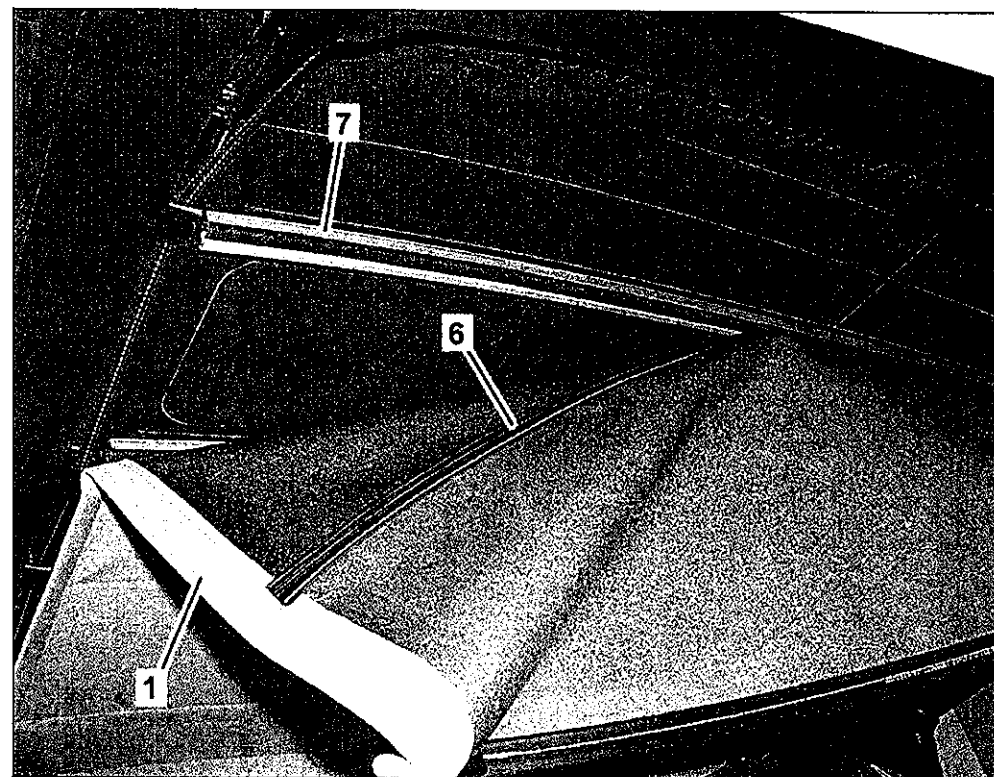
P77.31-2186-08

1 Headliner
2 Retaining tab

3 Retaining tab
4 Retaining clamp

5 Retaining tab

- 1 Headliner
- 6 Fastening strip
- 7 Soft top bow



P77.31-2187-11

⊗	Removing		
1	Open soft top so that retaining tabs (2, 3, 5) on headliner (1) can be removed from roof edge and roof cassette without tension.	ⓘ When removing retaining tabs (2, 3, 5) on headliner (1), open soft top slightly, otherwise headliner (1) can be damaged by overstretching.	
2	Loosen retaining tabs (2) on roof edge and pull out of gap on roof edge.	ⓘ Use plastic wedge when loosening retaining tabs (2).	

3	Loosen retaining tabs (3) on left and right front roof edge, then pull headliner (1) out of gap of roof edge, from outside toward center	Use plastic wedge when loosening retaining tabs (3).	
4	Loosen retaining tab (5) on left and right roof cassette, then pull headliner (1) out of gap of roof cassette, from outside toward center.	Use plastic wedge when loosening retaining tab (5).	
5	Close soft top		
6	Remove mounting strips (6) from soft top bows (7).	Loosen mounting strips (6) on left and right, then pull headliner (1) out of gap of soft top bow (7), from outside toward center.	
7	Remove remaining retaining clamps (4) from gap on roof edge and gap on roof cassette.		
	Install		
8	Attach retaining clamps (4) on retaining tabs (2, 3, 5).		
9	Open soft top so that retaining tab (5) on headliner (1) can be installed on roof cassette.		



10	Insert retaining tab (5) on headliner (1) at center into gap on roof cassette and press in with uniform pressure from left and right, starting at center.		
11	Close soft top		
12	Insert mounting strips (6) into soft top bows (7) starting at rear and press in from left and right, starting at center, with uniform pressure.	i Aid of helper required. Counterhold soft top from outside.	
13	Position mounting strips (6) on headliner (1) in center of roof bows (7).	i Prevent formation of creases.	
14	Turn front edge of headliner (1) 90 ° upward, insert retaining tab (3) in center into gap of roof edge and press in with uniform pressure toward left and right, starting at center.		
15	Insert retaining tabs (2) into gap on roof edge and press in with uniform pressure.		

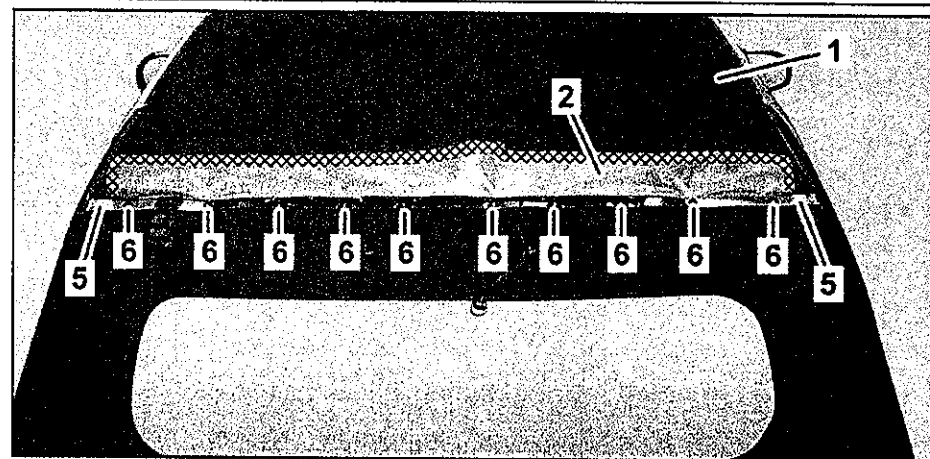
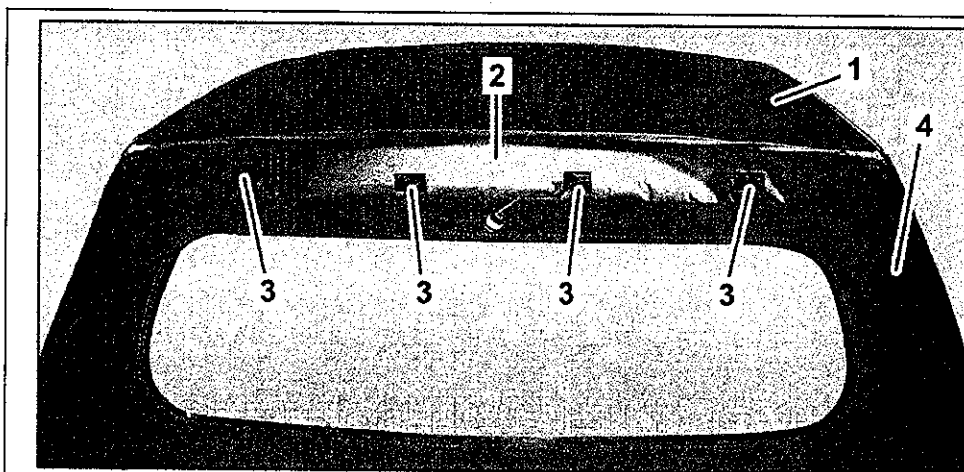


16	Check headliner (1).	i Check headliner (1) for formation of creases and position mounting strips (6) in center, if necessary. Open soft top, check headliner (1) for tension and position mounting strips (6) in center, if necessary. Close soft top and observe chafing spots of headliner (1) on soft top seal; center mounting strips (6), if necessary.	
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AR77.30-P-1100KD

Remove/install folding top

3.8.08



P77.31-2188-07

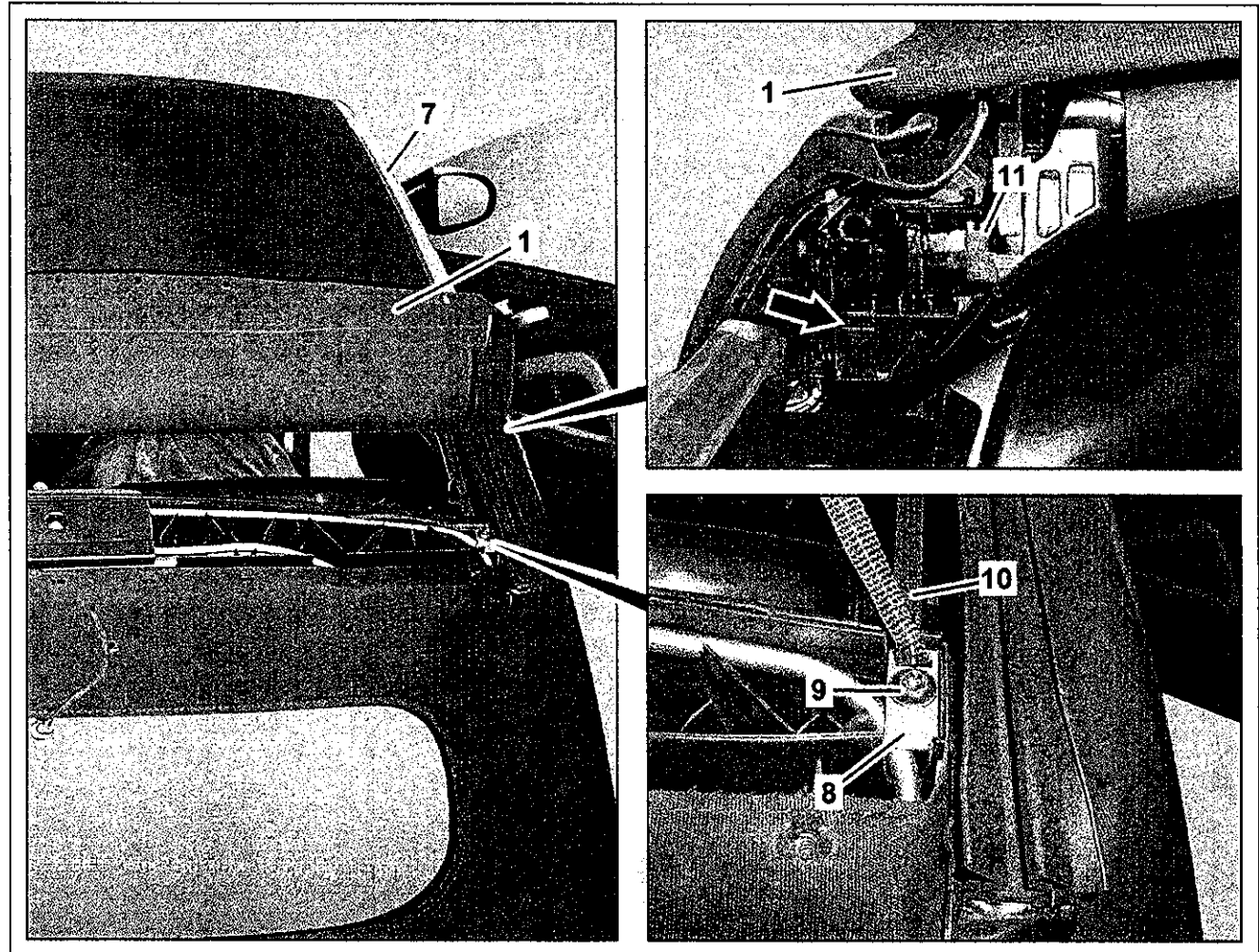
1 Folding top
2 Sealing

3 Sealing strip
4 Rear soft top

5 Tension cable retaining plate
6 Screw

Shown on right side of vehicle

- 1 Folding top
- 7 Side support
- 8 Clamping plate
- 9 Screw
- 10 Tensioning strap
- 11 Sliding plate



P77.31-2189-06

Shown on left side of vehicle

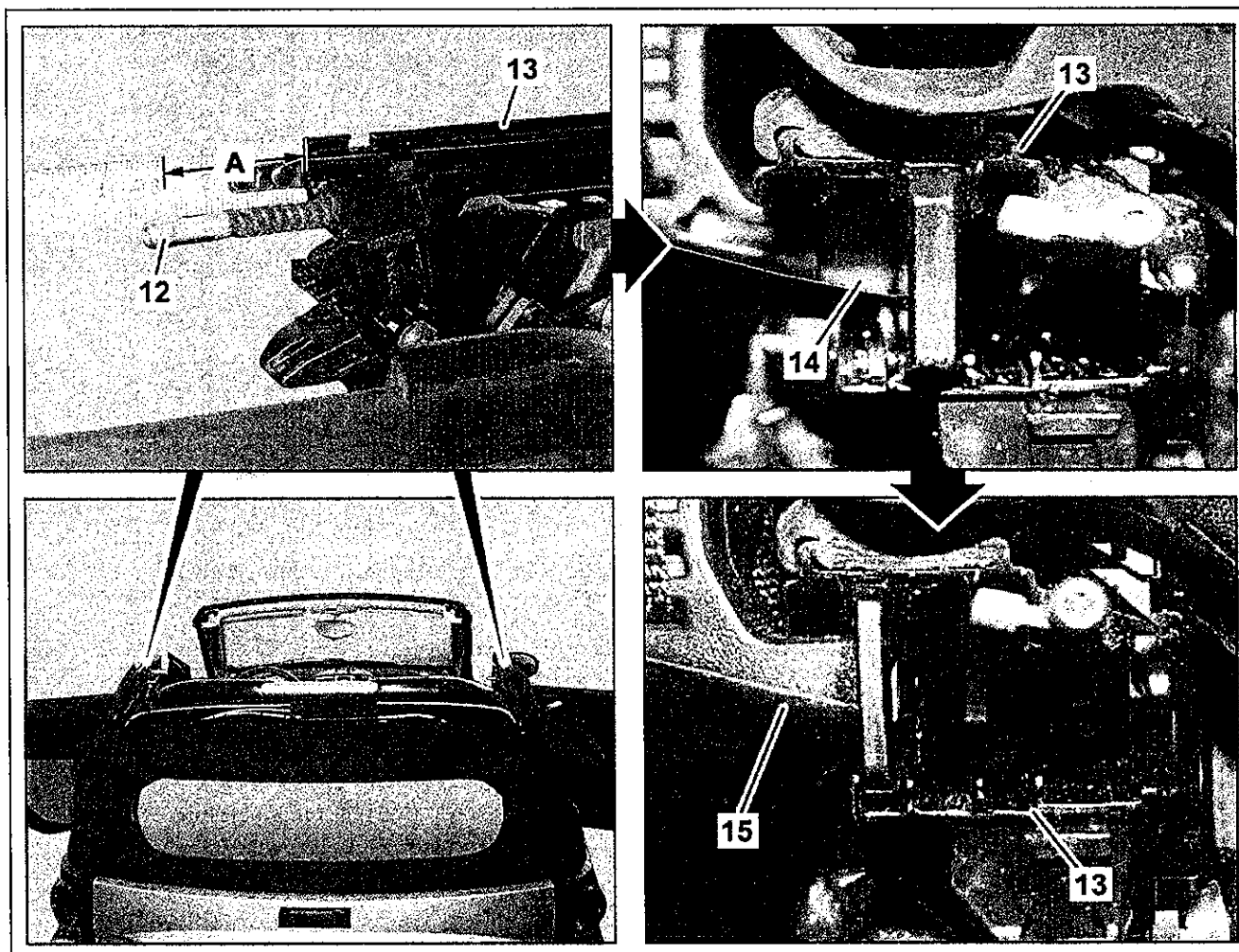
12 Drive cable

13 Guide

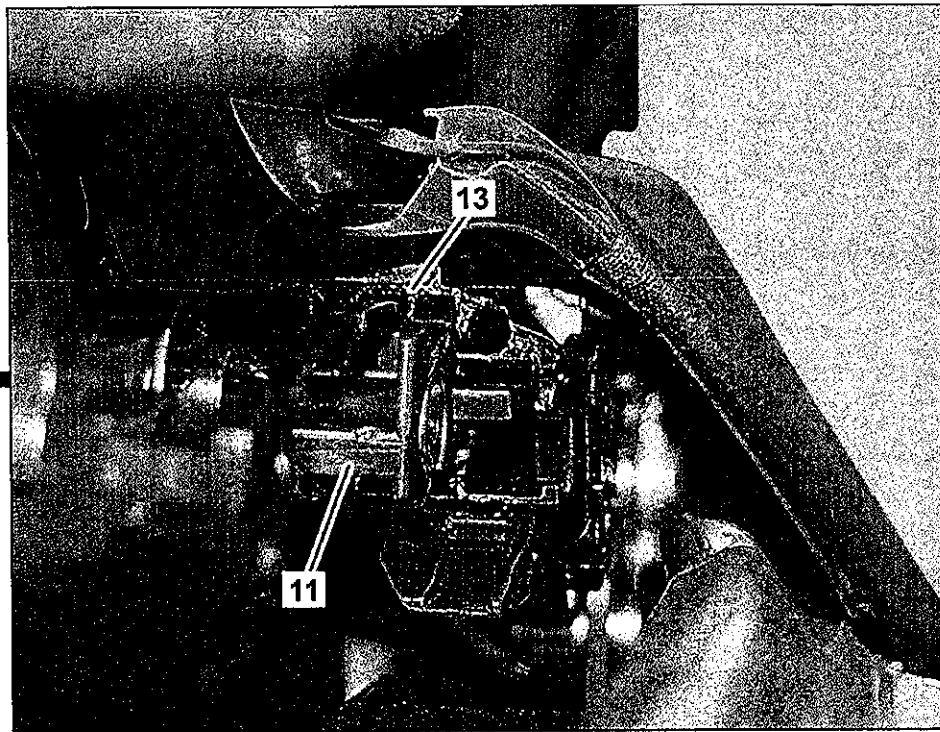
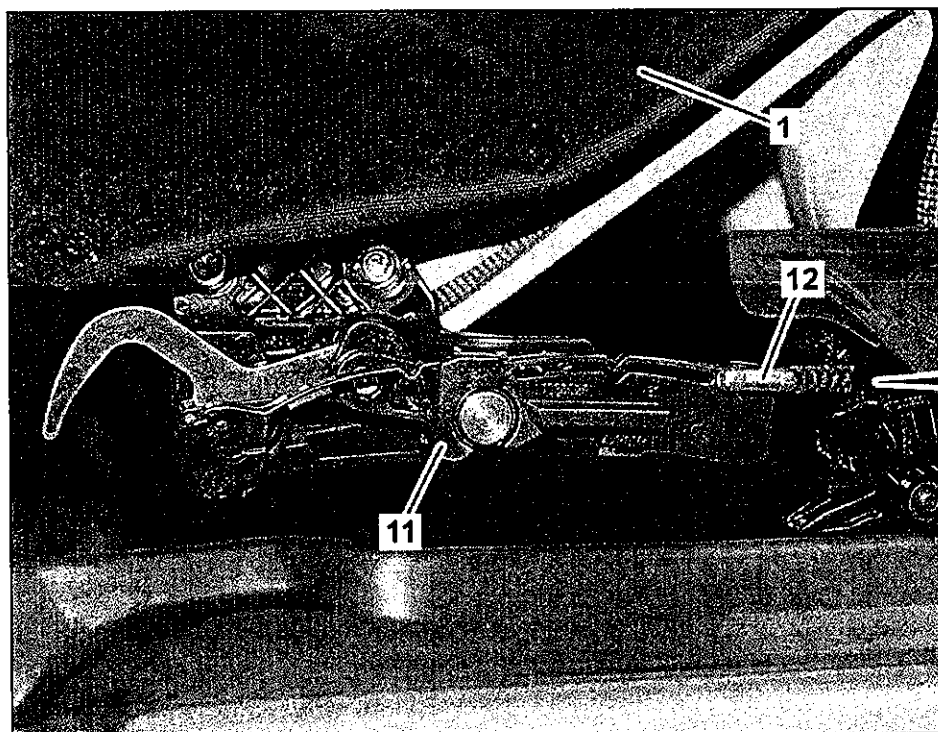
14 Slider

15 Slider

A Distance



P77.31-2190-06



P77.31-2191-08

Shown on right side of vehicle

1 Folding top

12 Drive cable

13 Guide

11 Sliding plate

	Removing		
1	Remove seal (2) from rear soft top (4) and fold toward front.		

2	Unscrew bolts (6) and fold soft top (1) toward front.		
3	Mark length of tensioning straps (10) on roof cassette.		
4	Unscrew bolts (9), remove clamping plates (8) and pull tensioning straps (10) out of clamping plates (8) and roof cassette.		
5	Remove side supports (7).		
6	Actuate both side support recognition sensors (arrow), simultaneously actuate power soft top switch in closing direction and extend soft top (1) until sliding rails (11) are exposed.	i Aid of 2 helpers required.	
7	Unhook drive cable (12) from sliding rails (11).		
8	Pull soft top (1) with sliding rails (14 and 15) out of guides (13) on roof cassette.	i Aid of helper required.	
9	Remove soft top (1) and put down.	i Aid of helper required.	
✕	Install		
10	Connect STAR DIAGNOSIS, select soft top control, select power soft top switch and erase coding.		

11	Measure distance (A) between drive cable (12) and guides (13).	The distance (A) should be equal on the left and right; if the difference is > 1 mm, adjust drive cables (12) so that they run synchronous to one another.	
12	Slide soft top (1) with rear sliding rails (14) into guides (13) on roof cassette.	Push sliding rail (14) into center channel of guides (13); erroneous positioning can lead to damage on the soft top system. Aid of helper required.	
13	Slide soft top (1) with center sliding rails (15) into guides (13) on roof cassette.	Push sliding rail (15) into inner channel of guides (13); erroneous positioning can lead to damage on the soft top system. Aid of helper required.	
14	Hook sliding plates (11) into drive cable (12).	Aid of helper required.	
15	Align sliding plates (11) as shown and carefully pull into guides (13) on roof cassette by actuating power soft top switch.	Pull sliding plates (11) into outer and center channel of guides (13); erroneous positioning can lead to damage on the soft top system. Aid of 2 helpers required.	
16	Pull tensioning straps (10) into roof cassette and clamping plates (8).	The tensioning straps (10) should not be twisted.	
17	Align tensioning straps (10) and clamping plates (8) according to marking and tighten bolts (9).		



18	Install side supports (7).		
19	Close soft top (1).		
20	Fold back soft top (1) and check tension of tensioning straps (10).	i The side edges of the soft top (1) should be flush with the contour of the side supports (7).	
21	Open soft top (1) approx. 10 cm.		
22	Align tension cable retaining plates (5) and tighten bolts (6).	i Ensure that creases are not present in the soft top covering (1).	
23	Attach double-sided adhesive tape in crosshatched areas of seal (2), remove protective foil and glue seal (2) to soft top (4) without creases.	i Remove loose pieces of old adhesive tape; it is not necessary to remove areas with good adhesion. Use double-sided adhesive tape with a width of 19 or 25 cm.	BR00.45-Z-1075-02A
24	Restore coding of power soft top switch, read out fault memory and disconnect STAR DIAGNOSIS		
25	Perform function test and check soft top (1) for creases.		

**Repair materials**

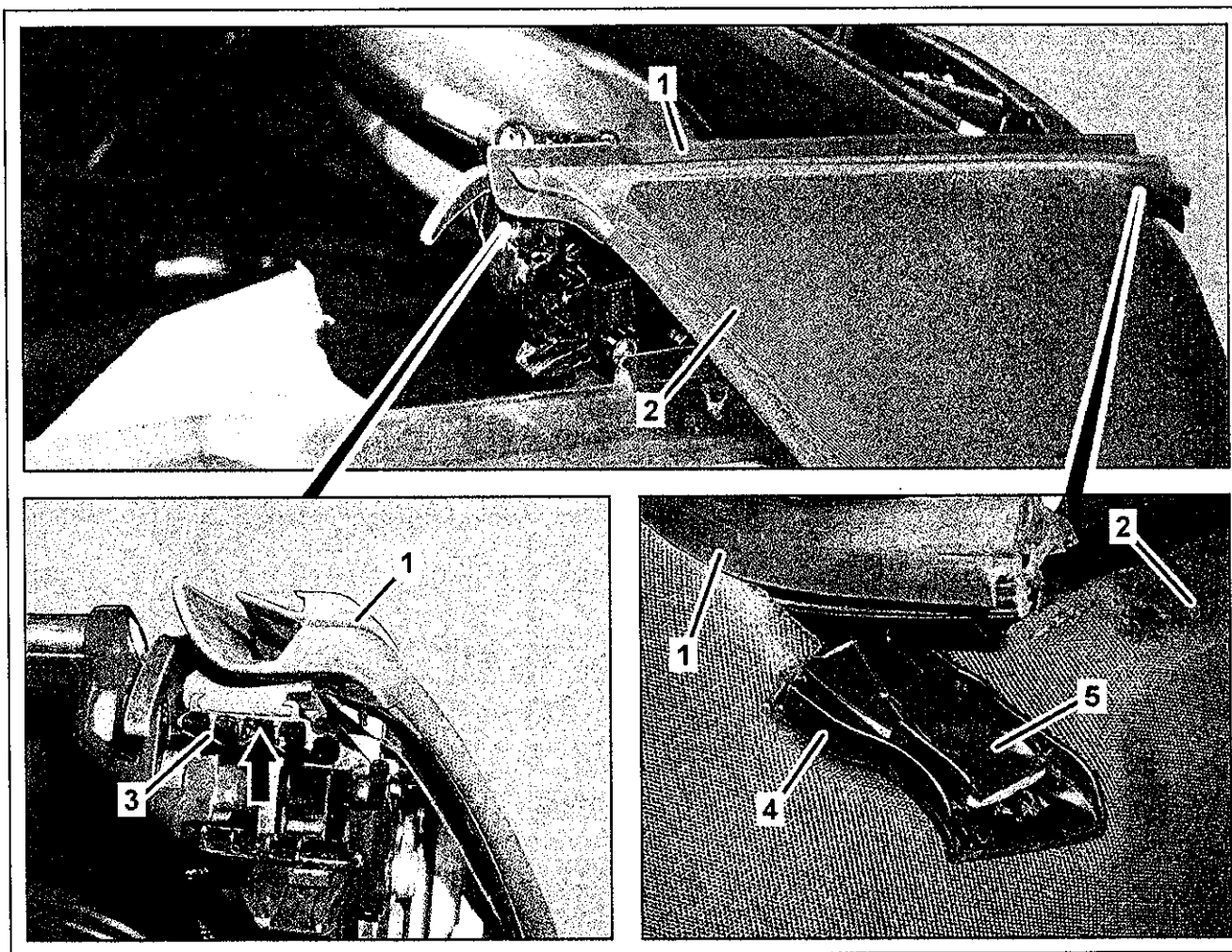
Number	Designation	Order number
BR00.45-Z-1075-02A	Terson double-sided adhesive tape For bonding trim strips and emblems (UV-resistant and weatherproof, black) (Width: 12 mm) Order no.: 107.64 A (Width: 19 mm) Order no.: 107.96 K (Width: 25 mm) Order no.: 117.05 Y	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 Munich Germany Tel. + 49-89-9268-0 Fax + 49-89-9101978 www.Loctite.de

AR77.30-P-1109KD

Remove/install soft top roof cassette

3.8.08

- 1 Roof cassette seal
- 2 Rear soft top
- 3 Guide
- 4 Trim
- 5 Sealing strip



P77.31-2192-06

	Removing		
1	Pull roof cassette seal (1) on left and right, from rear toward front, out of guide (3)	 Detach glued front area on roof cassette seal (1) if necessary with suitable tool.	
2	Remove sealant and glue residues in front area of guide (3).		
3	Remove old sealant from paneling (4).		
	Install		
4	Insert roof cassette seal (1) from front toward rear into guide (3).	 Insert roof cassette seal (1) so that it is flush with the guide (3). The sealing lip on the roof cassette seal (1) should make contact with rear soft top covering (2) over the entire length.	
5	Lift roof cassette seal (1) at front (arrow) and additionally glue to guide (3).		BR00.45-Z-1095-02A
6	Lift roof cassette seal (1) at rear and attach sealing strip (5) to paneling (4).	 Cut sealing strip (5) so that it is approx. 50 mm long.	BR00.45-Z-1088-01A
7	Remove protective foil from sealing strip (5) and press on roof cassette seal (1).	 The sealing lip on the roof cassette seal (1) should make contact with the rear soft top covering (2) over the entire length.	
8	Perform a function test		

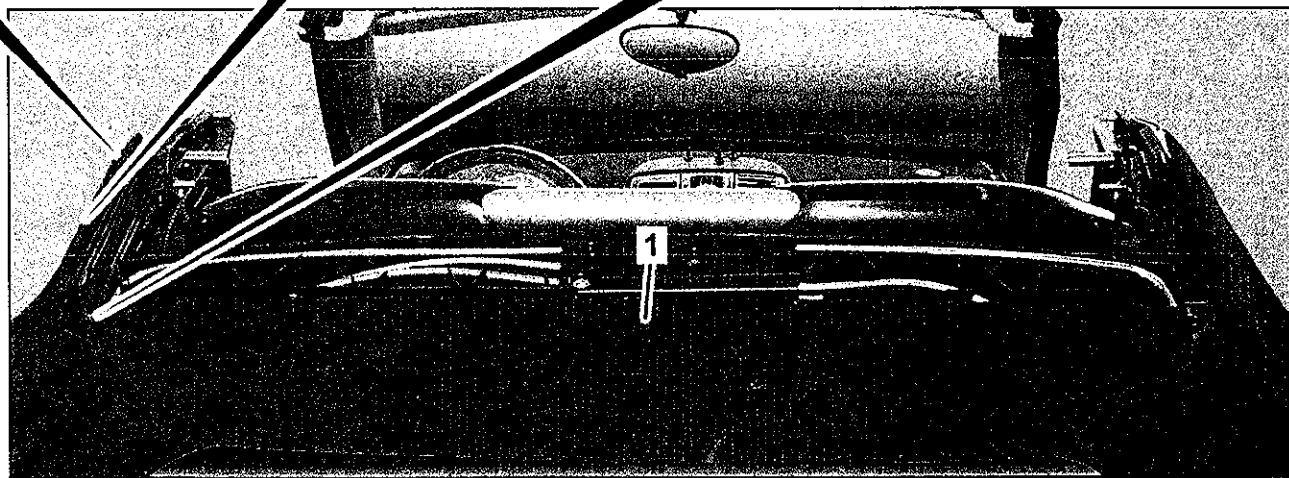
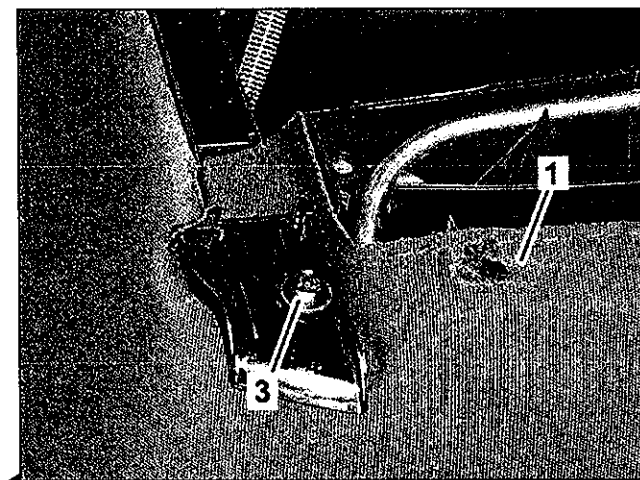
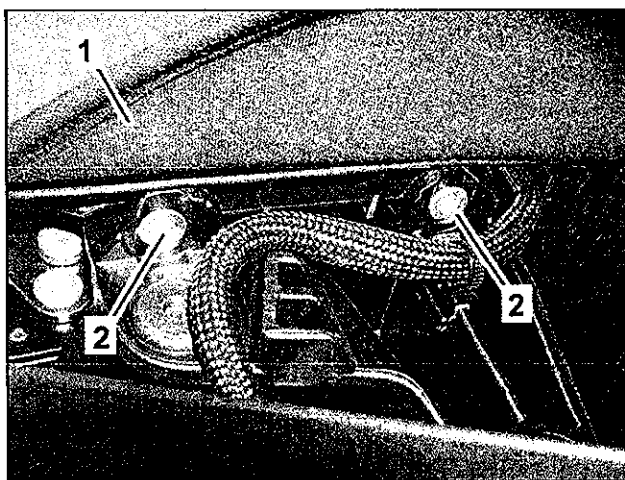
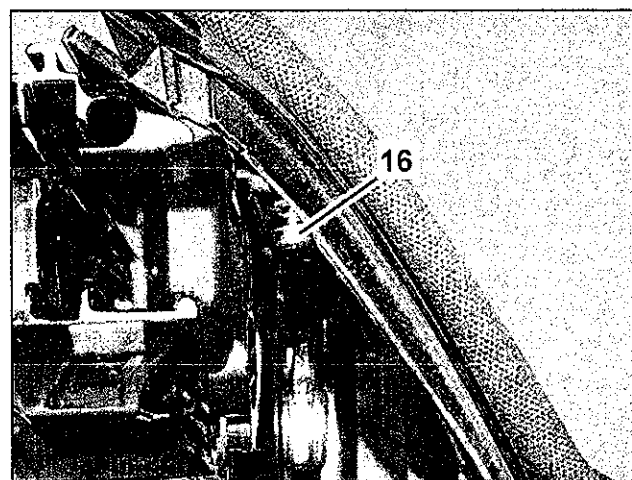
**Repair materials**

Number	Designation	Order number
BR00.45-Z-1088-01A	Sealing strip 119.32 Terostat 20×2 mm	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. + 49 899268-0 Fax + 49 899101978 www.Loctite.de
BR00.45-Z-1095-02A	Ultra-fast super glue 20g. Sabesto	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. + 49 7940 15-0 Fax + 49 7940 15-1000 www.wuerth.de Art. no.: 089309

AR77.30-P-1150KD

Remove/install rear soft top

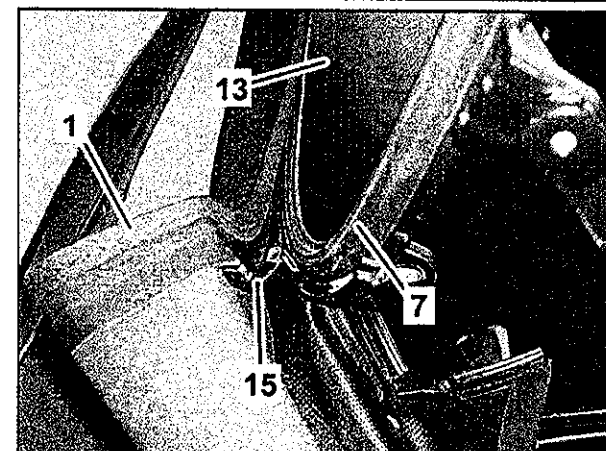
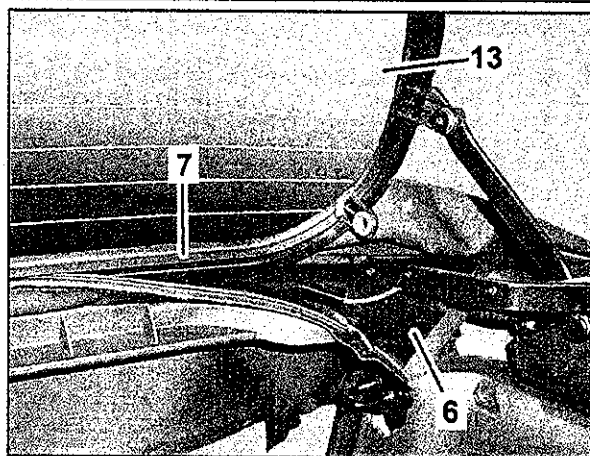
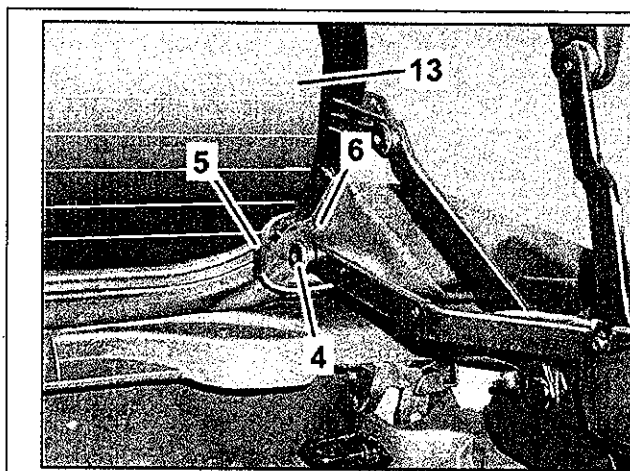
3.8.08



- 1 Rear soft top
- 2 Bolt

- 3 Bolt

- 16 Bolt

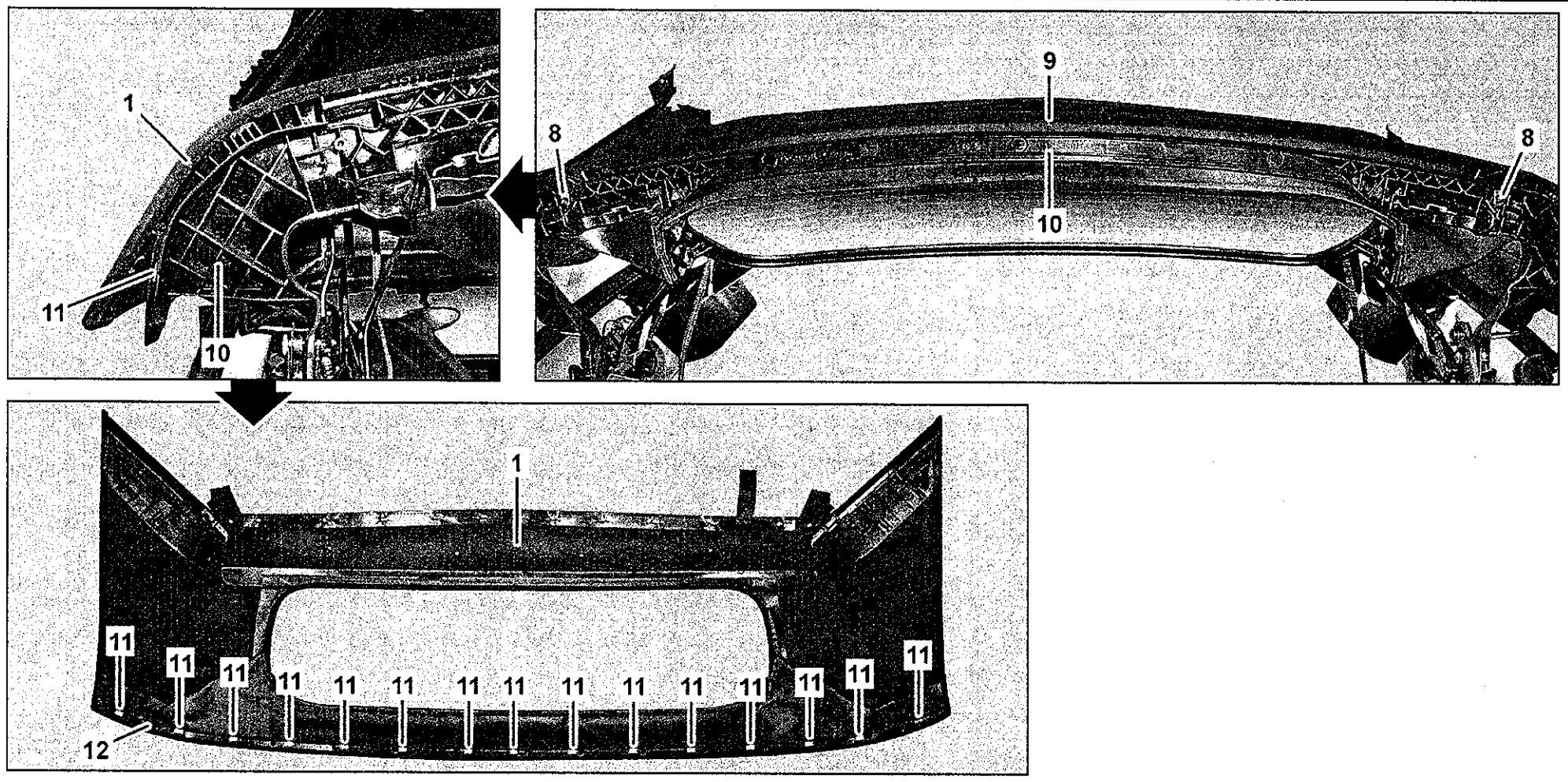


P77.30-2399-07

- 1 Rear soft top
- 4 Bolt
- 5 Electrical connector

- 6 Water pocket
- 7 Frame

- 13 Rear window
- 15 Retaining tab



1 Rear soft top
8 Bolt

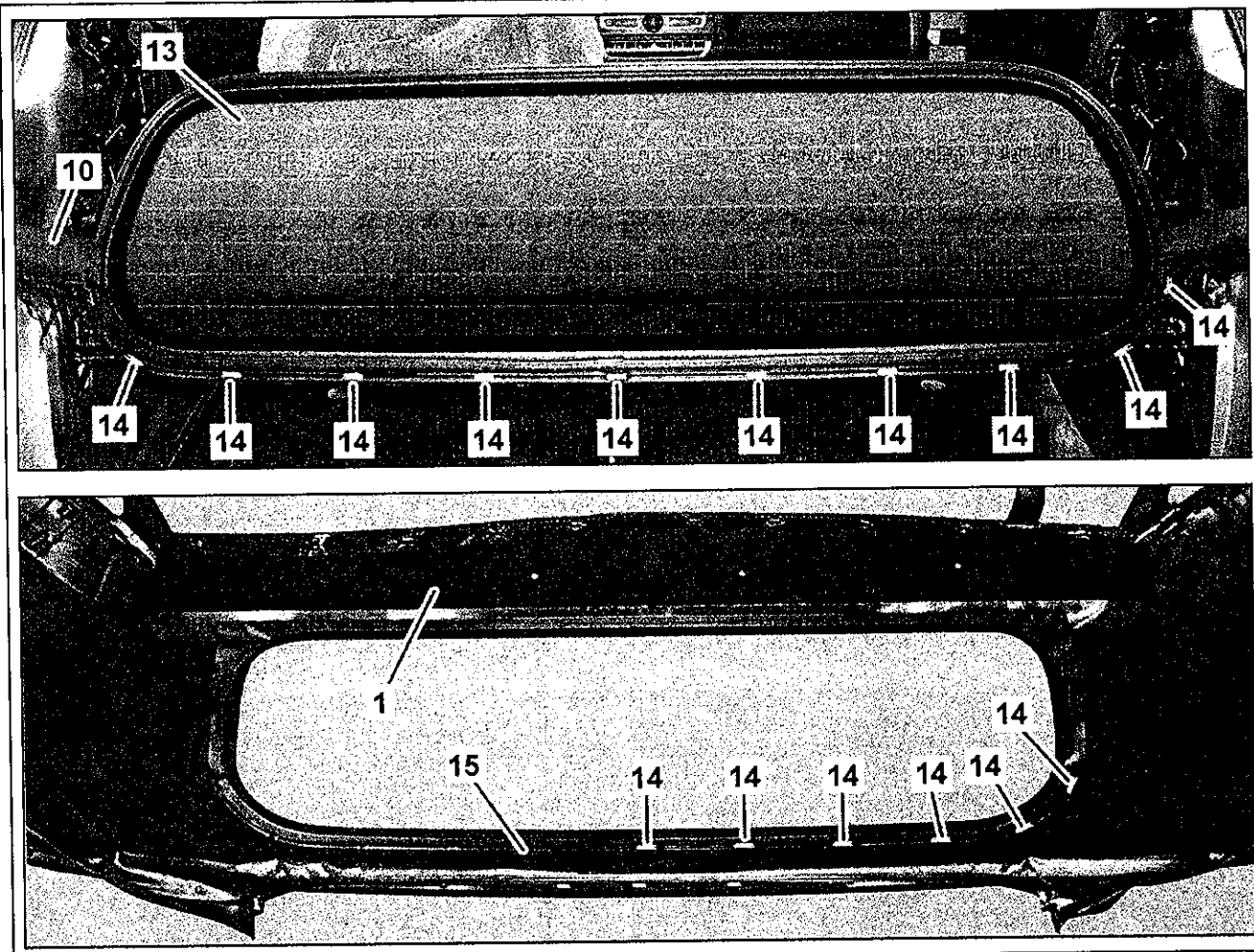
9 Seal
10 Retaining clamp

11 Clamp
12 Hooking lug

P77.30-2400-09



- 1 Rear soft top
- 10 Retaining clamp
- 13 Rear window
- 14 Clamp
- 15 Retaining tab



P77.30-2401-06

 	Remove/install		
1	Remove bolts (3)		
2	Unscrew bolts (2, 16)		



3	Unhook rear soft top (1) from roof cassette on left and right and fold toward rear, guide electrical lines through		
4	Remove bolts (4)		
5	Disconnect electrical connectors (5)		
6	Pull retaining tab of water pocket (6) out of frame (7) on rear window (13).		
7	Pull retaining tab (15) of rear soft top (1) out of frame (7) on rear window (13).		
8	Fold up retaining clip (10), unscrew bolts (8) and pull seal (9) out of retaining clip (10).		
9	Unhook rear soft top (1) from retaining clip (10) from outside toward inside and remove.		
10	Remove clips (11) remaining in retaining clip (10) with suitable tool.	i Installation: Install clips (11) on hooking lug (12) on rear soft top (1).	
11	Fold down rear window (13) and retaining clip (10).		
12	Remove clips (14) remaining in rear window (13) of frame (7) with suitable tool.	i Installation: Install clips (14) on retaining tab (15) on rear soft top (1).	
13	Install in the reverse order		

AH77.30-P-0001-01KD	Notes on soft tops		
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i The use of Daimler AG approved materials and tools is absolutely necessary for proper repair because the material characteristics of the recommended products influence the work results and working time.

Repair work at soft top should only be carried out by trained skilled personnel.

The drive cable, the soft top sliding blocks and the side strut bearings on the A-pillar must only be changed in pairs.

To prevent torsion, i.e. twisting of body, which leads to adjustment faults during repair work on soft top and its detachable body components, the vehicle must be positioned horizontally on the ground.

Grease side strut:

During maintenance work on vehicle the side struts must be cleaned and greased.

Use only cleaning felts and greases approved by Daimler AG.

On vehicles which are exposed to high dust influence, it can be necessary to clean and grease the side struts in between the maintenance operations.

Roof cassette locks:

The roof cassette locks can also be cleaned and greased during maintenance work.

Grease roof cassette locks only at specified points using types of grease approved by Daimler AG only.

Ensure that the springs on the microswitch are not damaged or bent.

Drive cable for soft top:

Do not grease or oil drive cable on soft top.

The drive cables are moistened with a special oil at the factory.

Soft top:

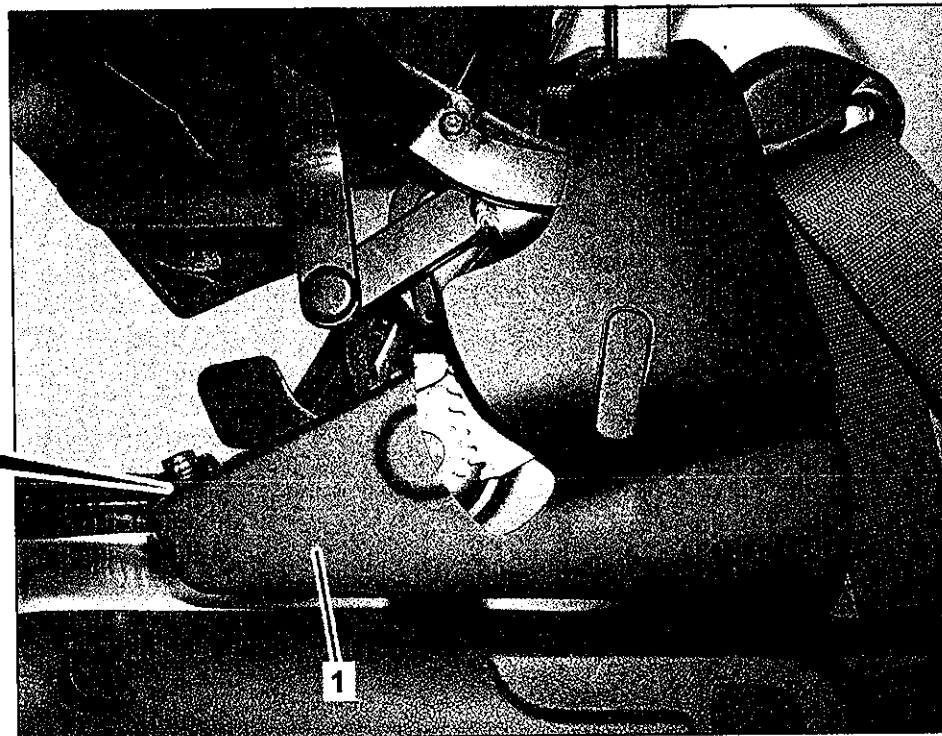
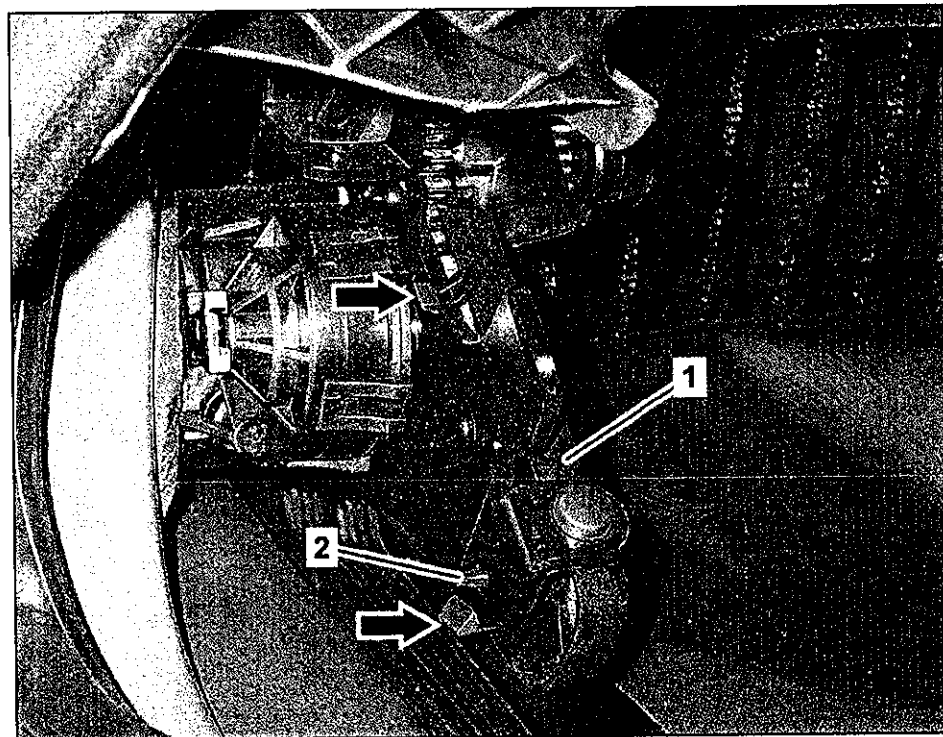
After replacing the soft top or rear soft top, increased closing forces can occur on the soft top and retaining clip.

The vehicle must stand with closed soft top for at least 12 h at room temperature.

AR68.30-P-4505KD

Remove/install paneling on rear pillar

3.8.08



P68.30-3316-08

1 Trim

2 Guide pin

⊗	Removing		
1	Open rear soft top cover		

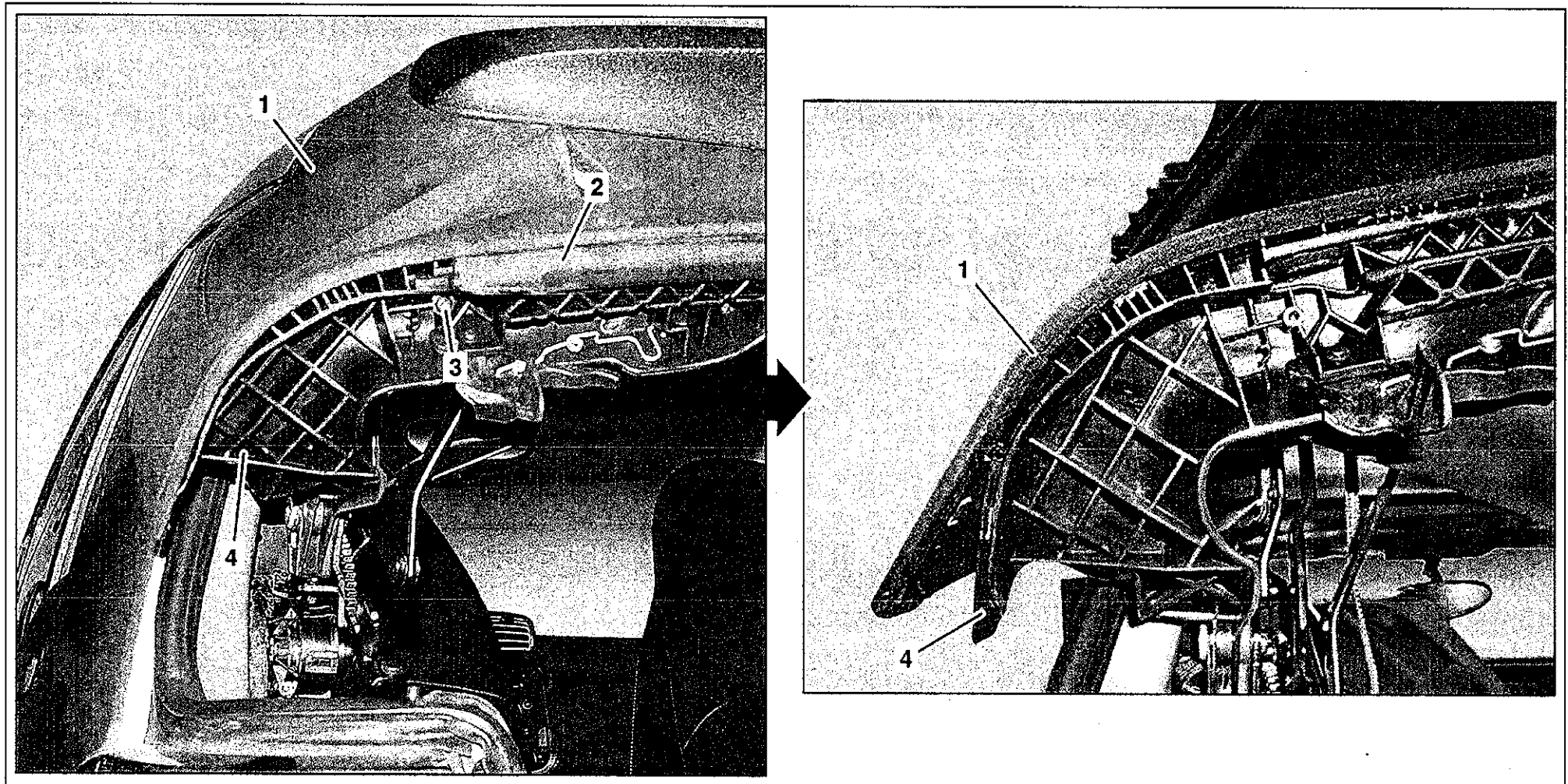


2	Open catches (arrows) and remove paneling (1) from rear toward front.		
	Install		
3	Hook paneling (1) into front area and position at rear, insert guide pins (2) and arrest paneling.		
4	Close rear soft top		

AR77.30-P-1151KD

Remove/install rear soft top retaining clip

3.8.08



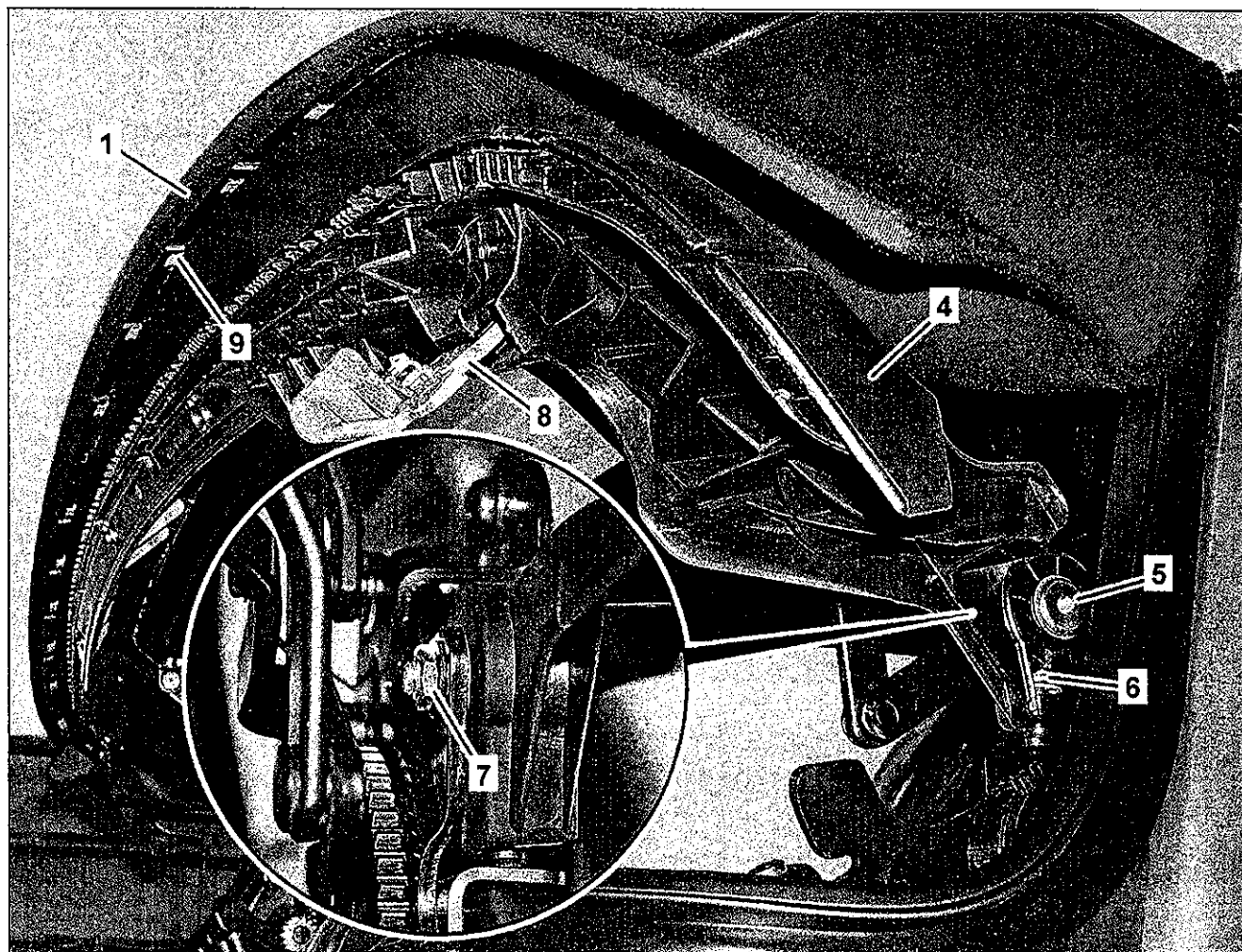
P77.30-2404-09

- 1 Rear soft top
- 2 Seal

- 3 Bolt

- 4 Retaining clamp

- 1 Rear soft top
- 4 Retaining clamp
- 5 Bolt
- 6 Locking bolt
- 7 Nut
- 8 Notch lever
- 9 Clamp



P77.30-2405-06



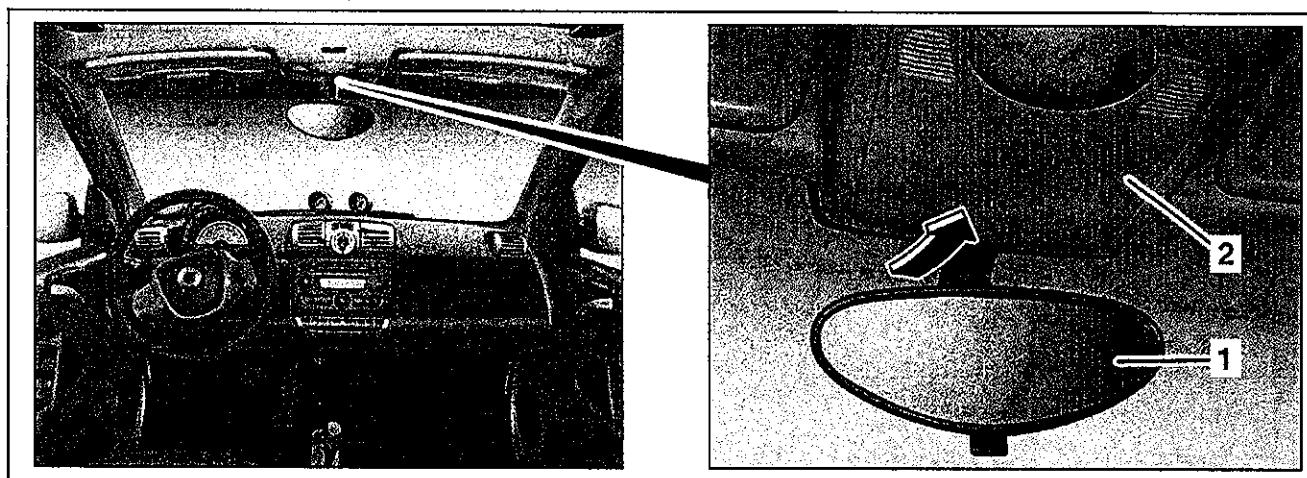
Remove/install



1	Fold up retaining clip (4), unscrew bolts (3) and pull seal (2) out of retaining clip (4).		
2	Unhook rear soft top (1) from retaining clip (4), from outside toward inside.		
3	Remove clips (9) remaining in retaining clip (4) using suitable tool.	i Installation: Insert clips (9) into hooking lug on rear soft top (1).	
4	Unscrew bolts (5) and remove retaining clip (4).		
5	Install in the reverse order		
6	Perform a function test		

AR68.40-P-0001KD	Remove/install inside rearview mirror	3.8.08
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- 1 Inside rearview mirror
2 Front headliner



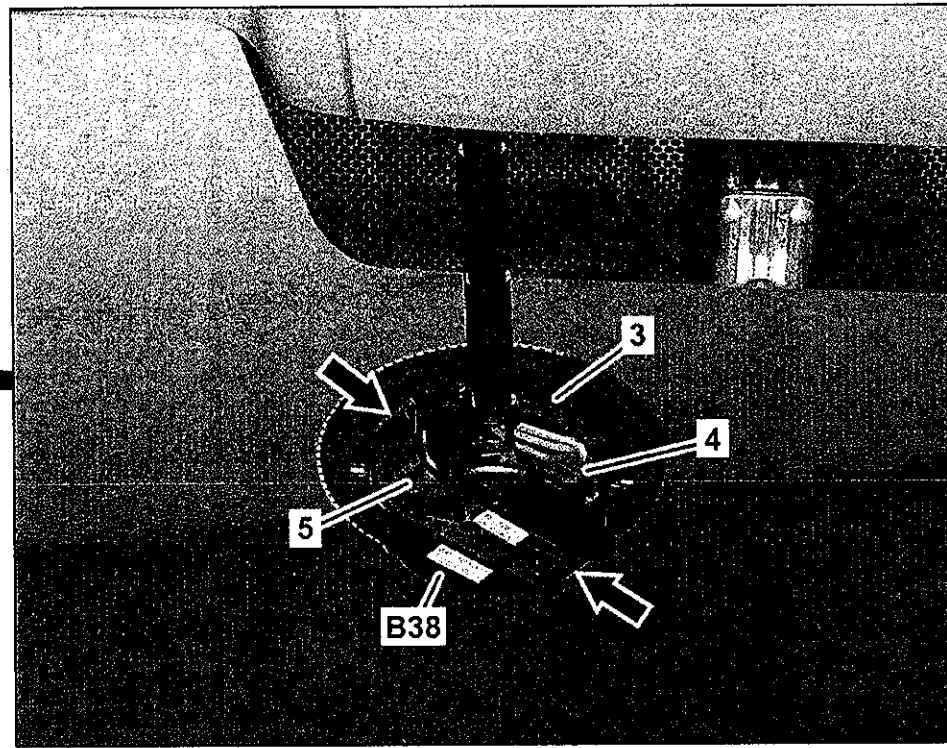
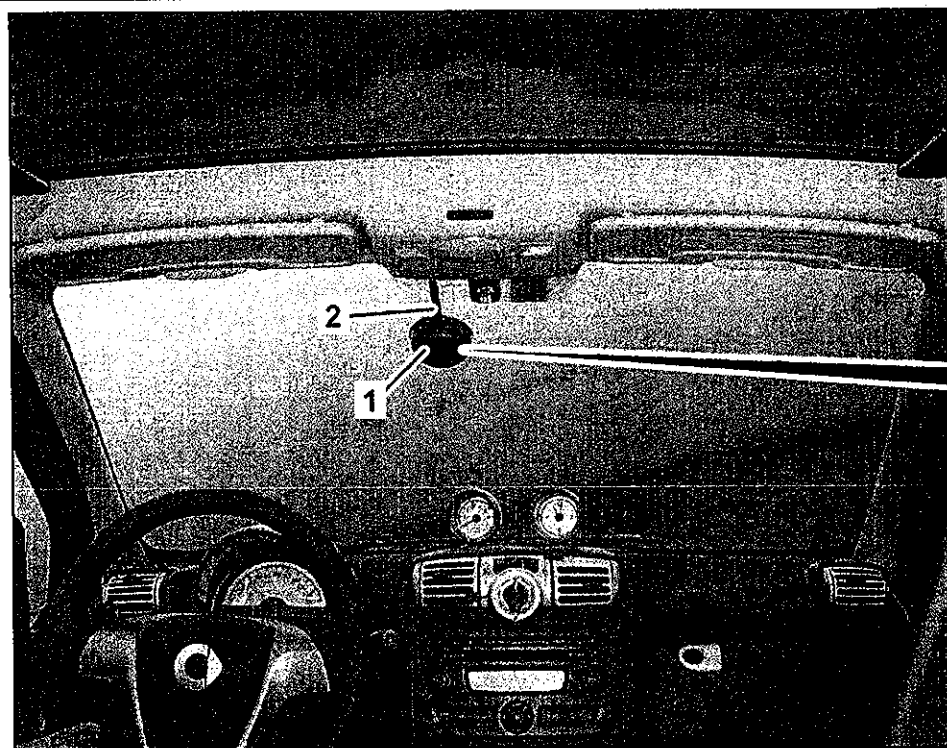
P68.40-2126-04

	Remove/install		
1	Carefully slide inside rearview mirror (1) upward in direction of arrow and remove.	ⓘ Ensure that the front headliner (2) is not scratched when folding inside rearview mirror (1) in/out; otherwise, it must be replaced.	
2	Install in the reverse order		

AR82.30-P-7800KD

Remove/install rain/light sensor

4.8.08



P82.30-2792-08

1 Cover
2 Cable retainer

3 Retaining ring
4 Electrical connector

5 Retaining clamp

B38 Rain sensor/light sensor

	Remove		
1	Unclip cover (1) from the retaining collar (3) and detach cable routing (2) out of the cover (1)	Carefully unclip cover (1) to prevent the retaining clips from breaking.	
2	Disconnect electrical connector (4)		
3	Unclip retaining clip (5) for rain sensor/light sensor (B38) at retaining collar (3) (arrows)		
4	Remove rain sensor/light sensor (B38) from the retaining collar (3)	The rain sensor/light sensor (B38) must always be replaced after removing from the windshield.	
	Install		
5.1	Remove protective cap from retaining collar (3)	With new windshields. With new windshields the contact surface of the rain sensor/light sensor (B38) is protected from dirt with a protective cap. The protective cap is clipped into the retaining collar (3)	
5.2	Clean contact surface of rain sensor/light sensor (B38) on windshield	Only if the windshield was not protected from dirt by a protective cap. The contact surface must be clean and free of grease.	

6	Carefully pull off protective foil from new rain sensor/light sensor (B38)	⚠ If the silicone pad on the optics of the rain sensor/light sensor (B38) is damaged or dirty, this must be replaced.	
7	Insert rain sensor/light sensor (B38) into the retaining collar (3)	⚠ The contact surfaces of the rain sensor/light sensor (B38) must not be damaged or dirty, as this will result in the rain sensor/light sensor (B38) being unusable.	
8	Clip in retaining clip (5) for rain sensor/light sensor (B38) at retaining collar (3) (arrows)		
9	Insert cable routing (2) into cover (1)		
10	Connect electrical connector (4)		
11	Clip cover (1) into retaining collar (3)	⚠ Carefully clip in cover (1) to prevent the retaining clips from breaking.	
12	Carry out function check		



AS67.00-Z-0004-01A	Risk of injury from cutting wire tearing or becoming hot and from splinters of glass when cutting out bonded windows	Wear protective gloves and eye protection.	 Danger!
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Injury hazard

When cutting out the bonded window with the cutting wire, there is a risk of injuries to eyes and hands as a result of the cutting wire tearing or becoming hot and as a result of glass splinters jumping off.

Protective measures/guidelines

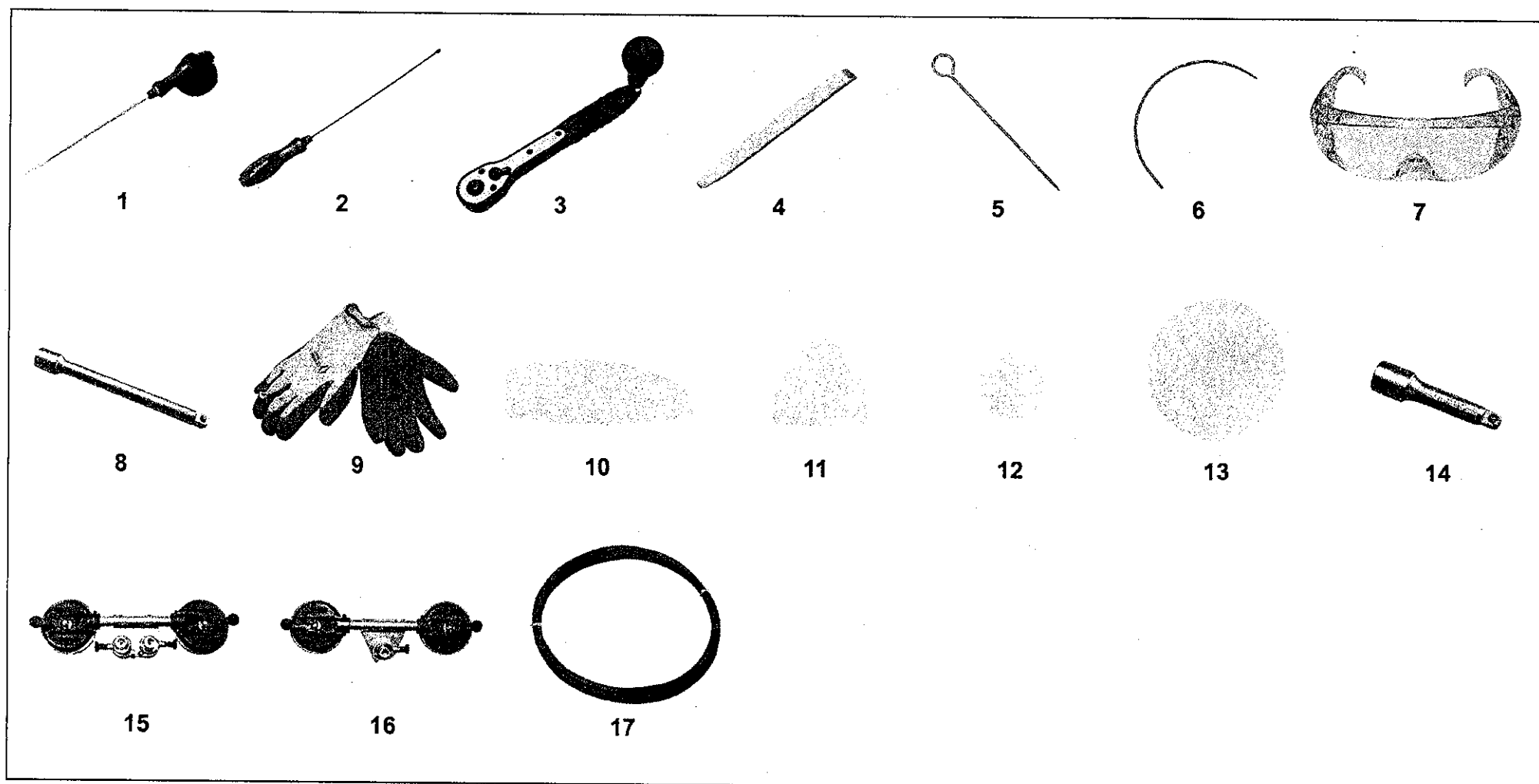
- Wear protective gloves.
- Wear eye protection when cutting out the window.



AR67.10-P-1000-11KD	Cut out windows with roll out		
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Auxiliary repair materials

Number	Designation	Order number
BR00.45-Z-1012-02B	TS adhesive	A 009 989 92 71



Window removal tool, Roll out 2004

<http://gotis.aftersales.mercedes-benz.com>

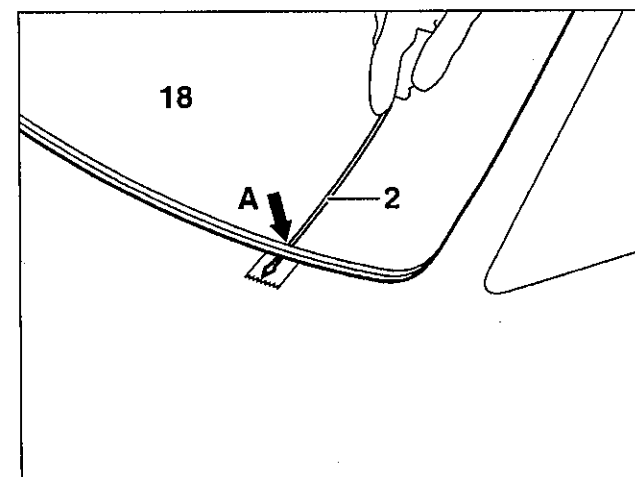
Scope of supply:

- | | | | |
|---|-------------------------|----|------------------------|
| 1 | Parabolic chisel | 10 | Interior protection |
| 2 | Awl | 11 | Interior protection |
| 3 | Reversible ratchet | 12 | Interior protection |
| 4 | Mounting wedge | 13 | Interior protection |
| 5 | Guide needle | 14 | Extension piece, 75 mm |
| 6 | Bent needle | 15 | Windlass |
| 7 | Safety goggles | 16 | Windlass |
| 8 | Extension piece, 150 mm | 17 | Cutting wire |
| 9 | Protective gloves | | |

i Work is shown on windshield.

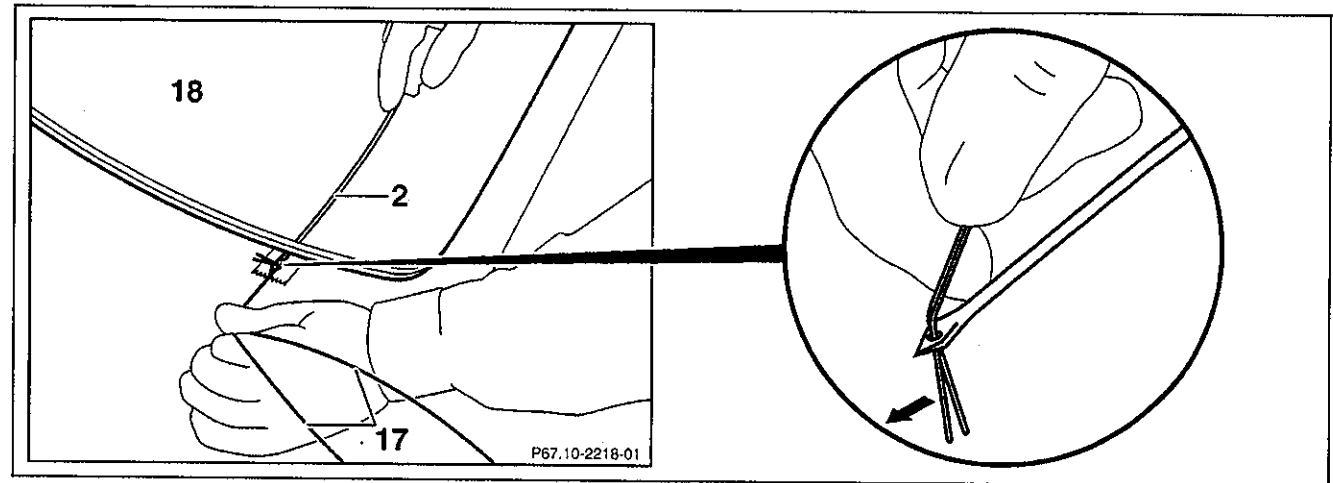
- Mask off puncture point at position (A) (arrow) from outside with suitable textile adhesive tape and punch from vehicle interior through adhesive seam of window (18) with awl (2).
- Cut cutting wire to correct length.

i The length of the cutting wire should be approx. 4 times the diagonal of the window.



P67.10-2217-01

- 3 Insert ends of cutting wire (17) through eye of awl (2) and bend over in direction of arrow.



P67.10-2219-04

- 4 Cover areas adjacent to puncture point in vehicle interior with appropriate interior protection and pull cutting wire (17) approx. 70 cm into passenger compartment using awl (2).

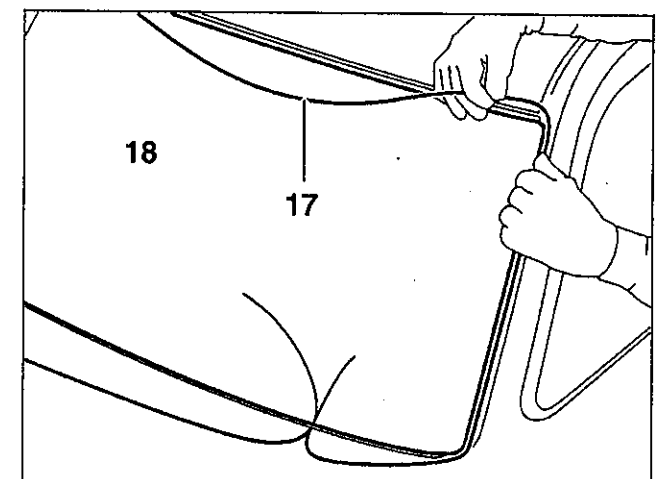
- 5 Bend cutting wire (17) straight and remove awl (2).

- 6 Moisten sealing lip on window (18) with soapy water.

i On windows (18) with sealing lip to facilitate inserting cutting wire (17).

- 7 Route the remaining outer wire loop between windshield (18) and body flange counterclockwise while pulling the excess cutting wire (17) into the inside of the vehicle.

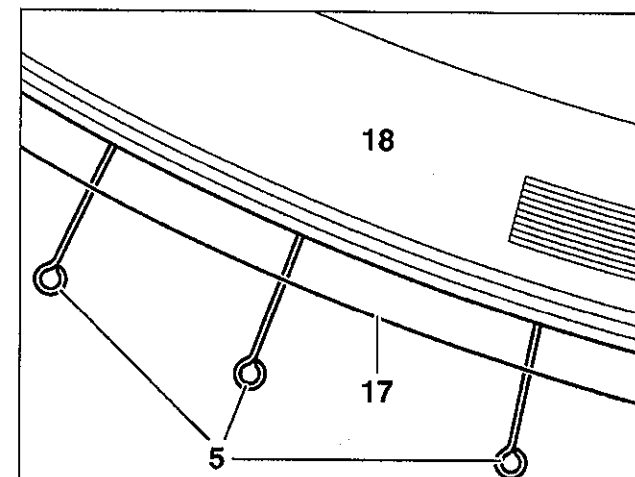
i Ensure that cutting wire (17) is located below windshield (18) at all four corner points.



P67.10-2220-01

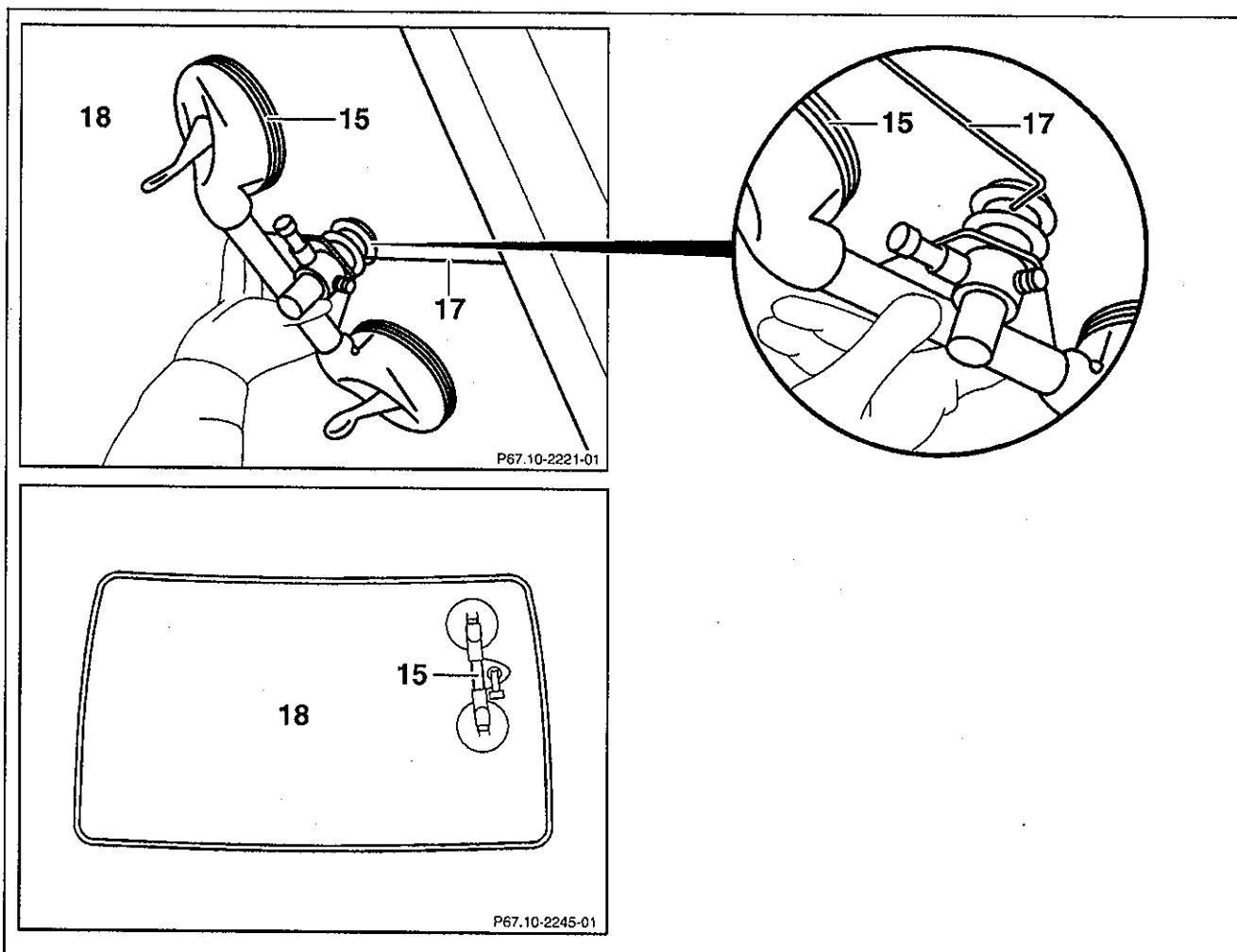
- 8 Insert guide needles (5) into adhesive seam at bottom edge of window (18).

i Only if cutting wire (17) is not attached below window (18). Ensures that cutting wire (17) makes contact to adhesive seam when tensioning.



P67.10-2216-01

- 9 Install windlass (15) on opposite side of window (18) diagonal of puncture point.
- 10 Insert end of cutting wire (17) into coil of windlass (15) with the shorter end toward the windlass (15).

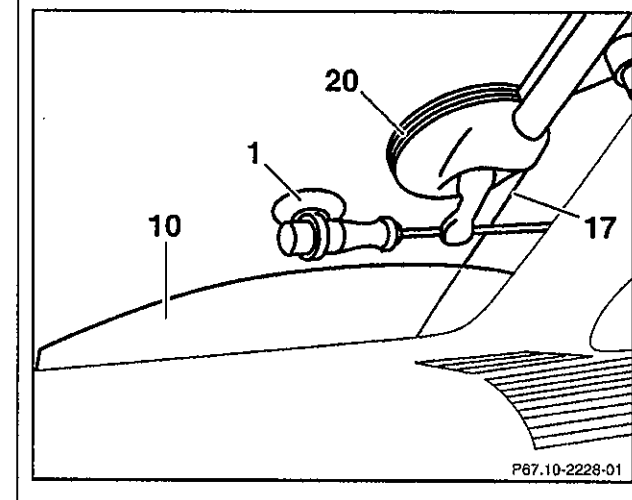
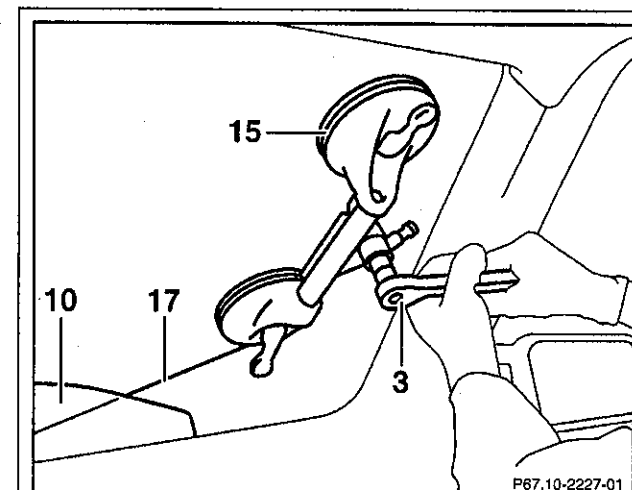


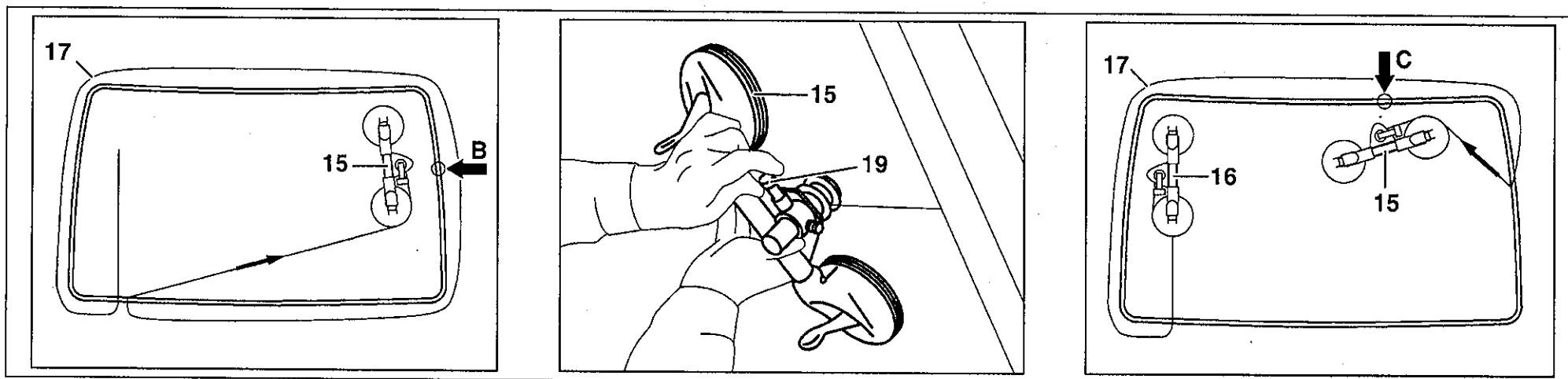
- 11 Position reversible ratchet (3) on windlass (15) and tension cutting wire (17). Then check from outside whether the cutting wire (17) makes contact to the adhesive seam on the window all-round.

i The coil of the windlass (15) can only be turned in one direction, therefore it is necessary to ensure that the cutting wire (17) is located in the guide groove (20) of the windlass (15).

- 12 Insert suitable interior protection (10) between cutting wire (17) and inner paneling.

i Use parabolic chisel (1) at points not easy to reach.





P67.10-2260-07

- 13 Slowly wrap cutting wire (17) onto coil of windlass (15) and cut out window up to marking (B).

- 14 Remove reversible ratchet, parabolic chisel and interior protection and turn windlass (15) to next position.

i To move windlass (15), release locking knob (19) while retaining under tension the cutting wire (17) of the coil.

- 15 Install reversible ratchet, parabolic chisel and appropriate interior protection.

- 16 Install windlass (16) on inner side of window.

- 17 Install second end of cutting wire (17) in coil of windlass (16).

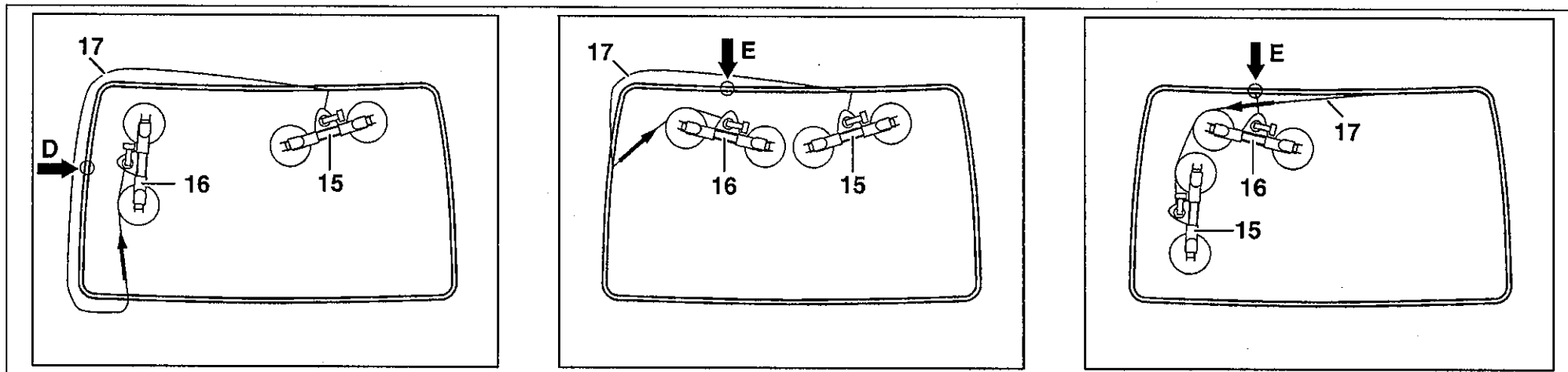
- 18 Install reversible ratchet on windlass (16) and tension cutting wire (17).

i The windlass coil (16) can only be turned in one direction. Ensure that the cutting wire (17) is located in the guide groove of the windlass (16).

- 19 Insert suitable interior protection between cutting wire (17) and inner paneling.

i Use parabolic chisel at awkward locations.

- 20 Slowly wrap cutting wire (17) onto coil of windlass (15) and cut out window up to marking (C).



P67.10-2261-07

- 21 Slowly wrap cutting wire (17) onto coil of windlass (16) and cut out window up to marking (D).
- 22 Move windlass (16) to next position.
- 23 Slowly wrap cutting wire (17) onto coil of windlass (16) and cut out window up to marking (E).
- 24 Move windlass (15) to next position.

- 25 Slowly wrap cutting wire (17) onto coil of windlass (15) and cut out window up to marking (E).

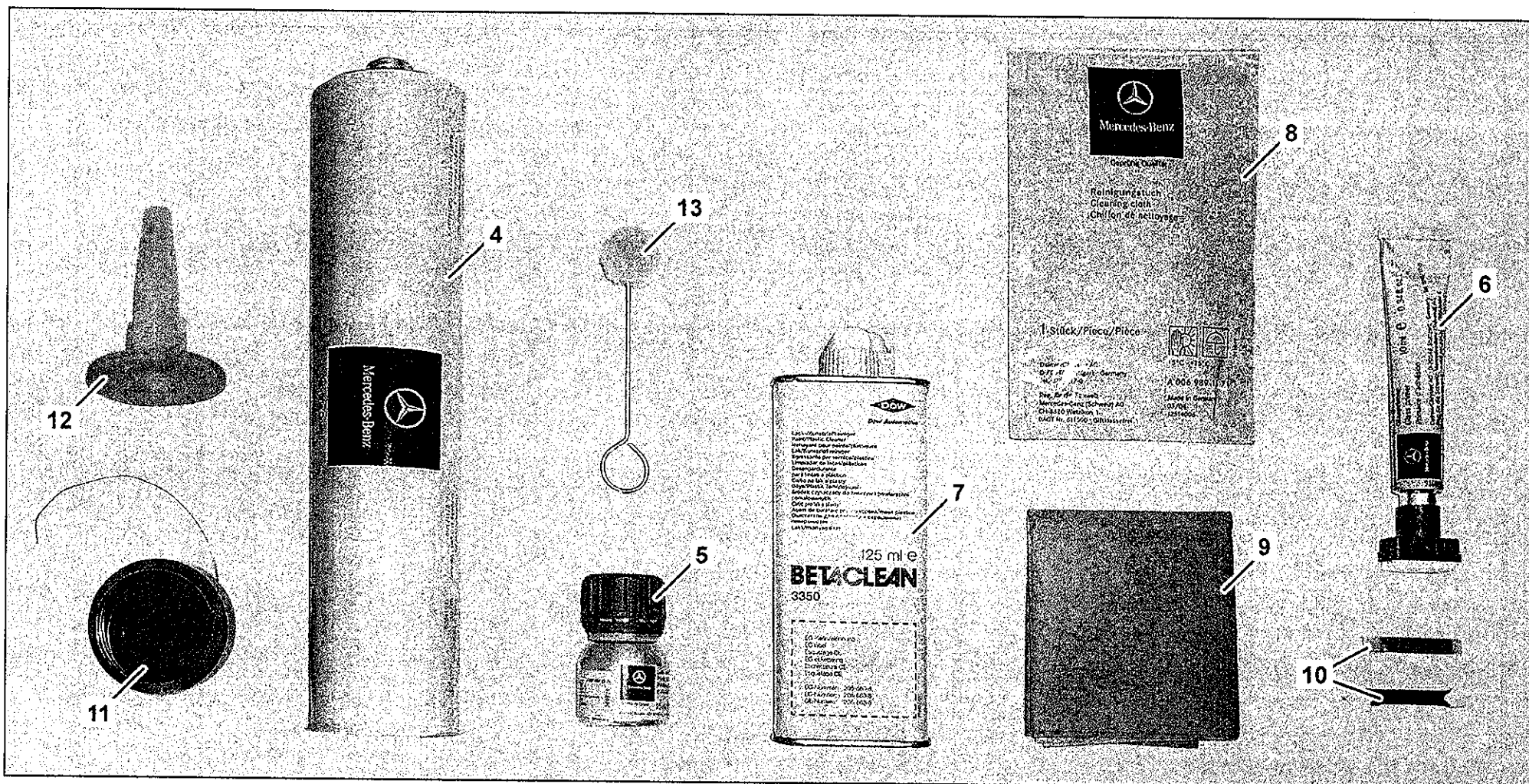
Secure window against falling down to prevent damage.

- 26 Remove windlasses (15, 16) from window.
- 27 Fasten cup suction tool at outside of window and remove window from body flange.

Cup suction tool
<http://gotis.aftersales.mercedes-benz.com>

Aid of helper required.

AH67.10-P-1000-01KD

Notes on removal/installation of
windshield


P65.10-3254-09

4	Adhesive cartridge	7	Heptane cleaner 3350	10	Spacer
5	Plastic primer	8	Cleaning cloth	11	Cutting wire
6	Primer stick	9	Cloth	12	Application nozzle
				13	Wool wiper

Use individual components as described in table below.
 Deviation is not permissible, otherwise adhesive force of bonded connection is not ensured.
 Allow primer to flash off for at least 10 minutes, but not for more than 15 minutes.

The crank window in the driver door must be opened during the curing time to prevent the component glued in from being pressed out by the air when the doors are closed. Avoid to open and close doors.

Designation	Note	Use
Adhesive cartridge (4)	Hot application: ● Short processing time ● Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h. The adhesive cartridge (4) is heated in cartridge heater. Cartridge heater http://gotis.aftersales.daimlerchrysler.com	Adhesive material for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment

Designation	Note	Use
Plastic primer (5)	Recognizable by red plug; apply with wool wiper (13). ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Full roof (with code (E23) Full roof (FFO))
Primer stick (6)	PC primer ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Heptane cleaner 3350 (7)	Apply with cloth (9).	Cleaner for primer surface: ● Full roof (with code (E23) Full roof (FFO))
Cleaning cloth (8)	Cleaning cloth containing isopropanol and cleaning drying cloth	Cleaner for primer surface: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Cloth (9)	Color blue-green	For applying: ● Heptane cleaner 3350 (7)



Designation	Note	Use
Spacer (10)		Spacer (10) for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield
Cutting wire (11)	Cut out with cutting wire (11) and the two handles included in the window removal kit. Glass removal device http://gotis.aftersales.daimlerchrysler.com	To cut out: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment
Application nozzle (12)	i Nozzle tips are already cut to size.	Application of adhesive material in combination with adhesive cartridge (4)
Wool wiper (13)		Applying plastic primer (5)



AH67.10-P-1000-02KD

Notes on removal/installation of windows

Work on glass panes

- The use of approved materials and tools is absolutely necessary for proper repair because the material characteristics of the recommended products influence the work results and working time.
 - When working on the glued vehicle windows wear sturdy gloves and eye protection to prevent injuries from cutting and splinters.
-

Repair of glass panes

- Repair of windshields is permissible under the following conditions:
 - It is only permissible to repair damage to the outer surface of the windshield.
 - The inner surface and plastic foil should not be damaged in any form.
 - Ensure that moisture has not penetrated into the damaged point (seal damage point immediately after damage with adhesive tape and repair it as soon as possible).
 - The crater at the impact point should not exceed a diameter of 5 mm.
-

- Bonded points are parts of the unibody construction. Always perform work on bonded windows with particular care.
 - Following fire damage, check adhesive seams and replace if required because the adhesive can be damaged by high heat.
-

- Cracks extending radially from the impact point should not be longer than 50 mm. They should not end at the rubber window seal and never reach to the outer edge of the window.

Repairing windshield is allowed under the following conditions:

- The repair point must be outside the long-range field of vision.

The long-range field of vision is 29 cm wide and is centered around the center point of the steering wheel

- The area to be repaired must be clean, free of grease and dry.

Replace windows

- - If the paint is damaged when replacing the windows, clean damaged points and treat with anticorrosion agents. Then coat repair point with paint (see paint repair guidelines). When cleaned and primed never touch bonding surfaces.
- Before applying adhesive to painted sheet metal, it is necessary to clean the gluing point and treat it with a primer (bonding agent).
- Do not remove remaining adhesive residues; cut back to a height of approx. 2 mm.
Cut back adhesive residues max. 15 minutes before applying new adhesive bead, because the adhesive material on the cutting surface reacts to the ambient air which can lead to adhesion problems.
- Always observe curing time of adhesive material to ensure that adhesive bead achieves full strength.
- For this purpose, open driver and passenger side window for the duration of the curing time to prevent the windshield from being pressed outwards by the air pressure when the doors are closed.
- Replace spacers damaged during removal. Observe correct distance of spacers to prevent tension in the component.
- After replacing windshield, rear window or roof, durability is reached after approx. 2 h measured from the time the component is installed. The rated accident strength is achieved only after approx. 8 h.

AS67.00-Z-0004-01A	Risk of injury from cutting wire tearing or becoming hot and from splinters of glass when cutting out bonded windows	Wear protective gloves and eye protection.	 Danger!
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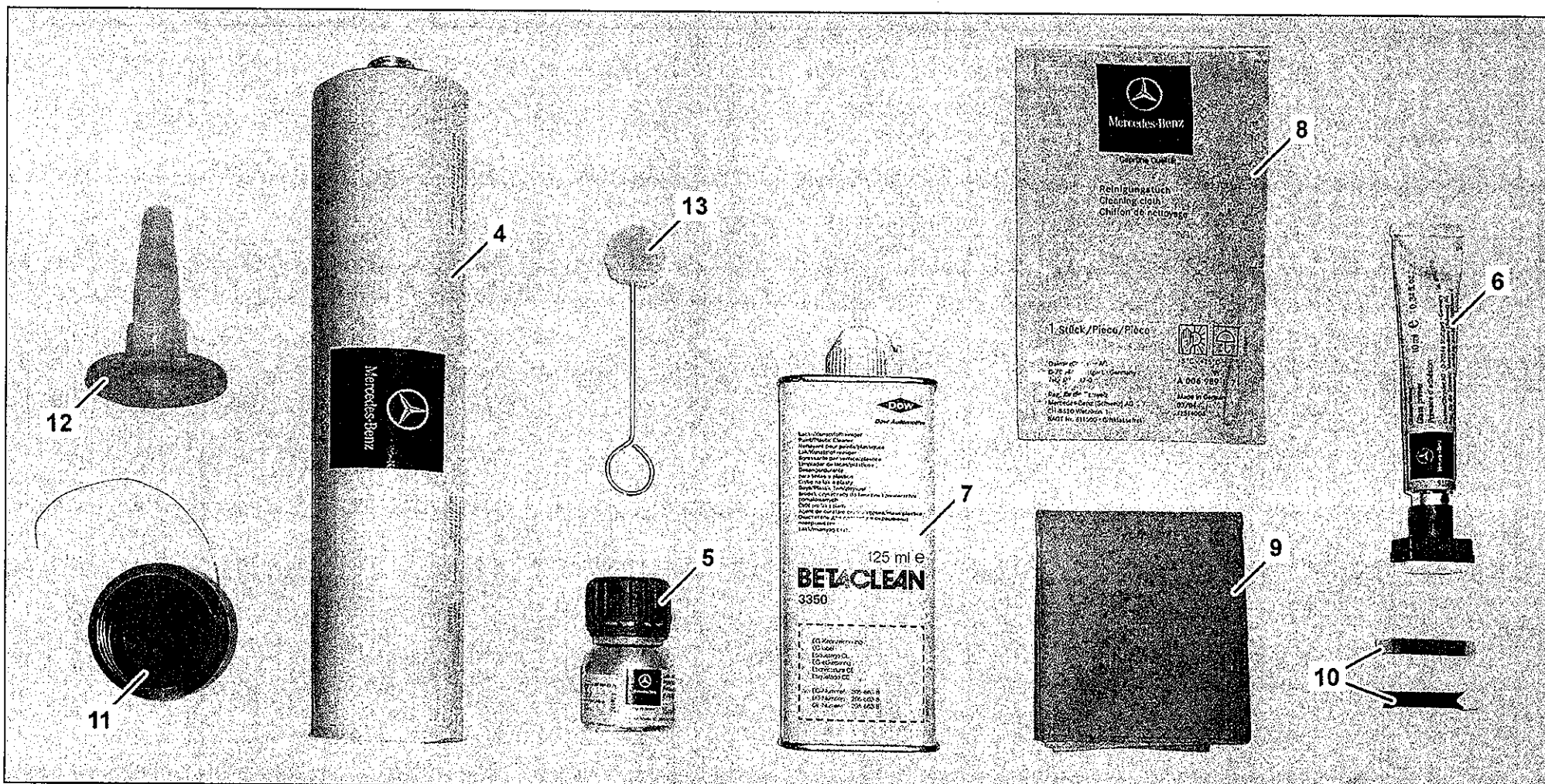
Injury hazard

When cutting out the bonded window with the cutting wire, there is a risk of injuries to eyes and hands as a result of the cutting wire tearing or becoming hot and as a result of glass splinters jumping off.

Protective measures/guidelines

- Wear protective gloves.
- Wear eye protection when cutting out the window.

AH67.10-P-1000-01KD

Notes on removal/installation of
windshield


P65.10-3254-09

4	Adhesive cartridge	7	Heptane cleaner 3350	10	Spacer
5	Plastic primer	8	Cleaning cloth	11	Cutting wire
6	Primer stick	9	Cloth	12	Application nozzle
				13	Wool wiper

Use individual components as described in table below.

Deviation is not permissible, otherwise adhesive force of bonded connection is not ensured.

Allow primer to flash off for at least 10 minutes, but not for more than 15 minutes.

The crank window in the driver door must be opened during the curing time to prevent the component glued in from being pressed out by the air when the doors are closed. Avoid to open and close doors.

Designation	Note	Use
Adhesive cartridge (4)	Hot application: ● Short processing time ● Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h. The adhesive cartridge (4) is heated in cartridge heater. Cartridge heater http://gotis aftersales.daimlerchrysler.com	Adhesive material for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment

Designation	Note	Use
Plastic primer (5)	Recognizable by red plug; apply with wool wiper (13). ⌚ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Full roof (with code (E23) Full roof (FFO))
Primer stick (6)	PC primer ⌚ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Heptane cleaner 3350 (7)	Apply with cloth (9).	Cleaner for primer surface: ● Full roof (with code (E23) Full roof (FFO))
Cleaning cloth (8)	Cleaning cloth containing isopropanol and cleaning drying cloth	Cleaner for primer surface: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Cloth (9)	Color blue-green	For applying: ● Heptane cleaner 3350 (7)



Designation	Note	Use
Spacer (10)		Spacer (10) for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield
Cutting wire (11)	Cut out with cutting wire (11) and the two handles included in the window removal kit. Glass removal device http://gotis aftersales.daimlerchrysler.com	To cut out: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment
Application nozzle (12)	 Nozzle tips are already cut to size.	Application of adhesive material in combination with adhesive cartridge (4)
Wool wiper (13)		Applying plastic primer (5)



AH67.10-P-1000-02KD	Notes on removal/installation of windows		
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Work on glass panes

- The use of approved materials and tools is absolutely necessary for proper repair because the material characteristics of the recommended products influence the work results and working time.
- When working on the glued vehicle windows wear sturdy gloves and eye protection to prevent injuries from cutting and splinters.
- Bonded points are parts of the unibody construction. Always perform work on bonded windows with particular care.
- Following fire damage, check adhesive seams and replace if required because the adhesive can be damaged by high heat.

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- Repair of windshields is permissible under the following conditions:
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 - The crater at the impact point should not exceed a diameter of 5 mm.
- Cracks extending radially from the impact point should not be longer than 50 mm. They should not end at the rubber window seal and never reach to the outer edge of the window.
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 - The repair point must be outside the long-range field of vision.
The long-range field of vision is 29 cm wide and is centered around the center point of the steering wheel
 - The area to be repaired must be clean, free of grease and dry.

Replace windows

- - If the paint is damaged when replacing the windows, clean damaged points and treat with anticorrosion agents. Then coat repair point with paint (see paint repair guidelines). When cleaned and primed never touch bonding surfaces.
- Before applying adhesive to painted sheet metal, it is necessary to clean the gluing point and treat it with a primer (bonding agent).
- Do not remove remaining adhesive residues; cut back to a height of approx. 2 mm.
Cut back adhesive residues max. 15 minutes before applying new adhesive bead, because the adhesive material on the cutting surface reacts to the ambient air which can lead to adhesion problems.
- Always observe curing time of adhesive material to ensure that adhesive bead achieves full strength.
- For this purpose, open driver and passenger side window for the duration of the curing time to prevent the windshield from being pressed outwards by the air pressure when the doors are closed.
- Replace spacers damaged during removal. Observe correct distance of spacers to prevent tension in the component.
- After replacing windshield, rear window or roof, durability is reached after approx. 2 h measured from the time the component is installed. The rated accident strength is achieved only after approx. 8 h.



AH98.00-P-1001-01KD	Approved paint systems		
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Approved paint systems

System 1: Standox

Standox 2K epoxy - primer filler / or epoxy primer filler 3:1

Standohyd Basecoat / or Standox Basecoat (solvent)

Standox 2K HighPro Clearcoat

System 2: Spies Hecker

Spies Hecker Hepox 2:1 Primer Surfacer 4090 / or Permasolid EP

Primer Surfacer 4500

Spies Hecker Optimum Clear Coat 8600

System 3: DuPont

DuPont 840R

DuPont Cromax / or Centari / or Chroma

DuPont 3750S

System 4: PPG

2K epoxy primer filler F3990 (solvent based)

WBL Envirobase MB 9 775

2K clear varnish D 8105

System 5: PPG

2K epoxy primer filler D8012 (water based)

WBL Envirobase MB 9 775

2K clear varnish D 8105

System 6: BASF/Glasurit

2K epoxy primer filler VOC 801-72 (MV 4:1)

WBL Series 90 MB 9 755

2K clear varnish 923-45

AR98.00-P-1001-02KD

Mask off and apply adhesive tape to bonding surfaces for windshield

Shown on body-in-white.

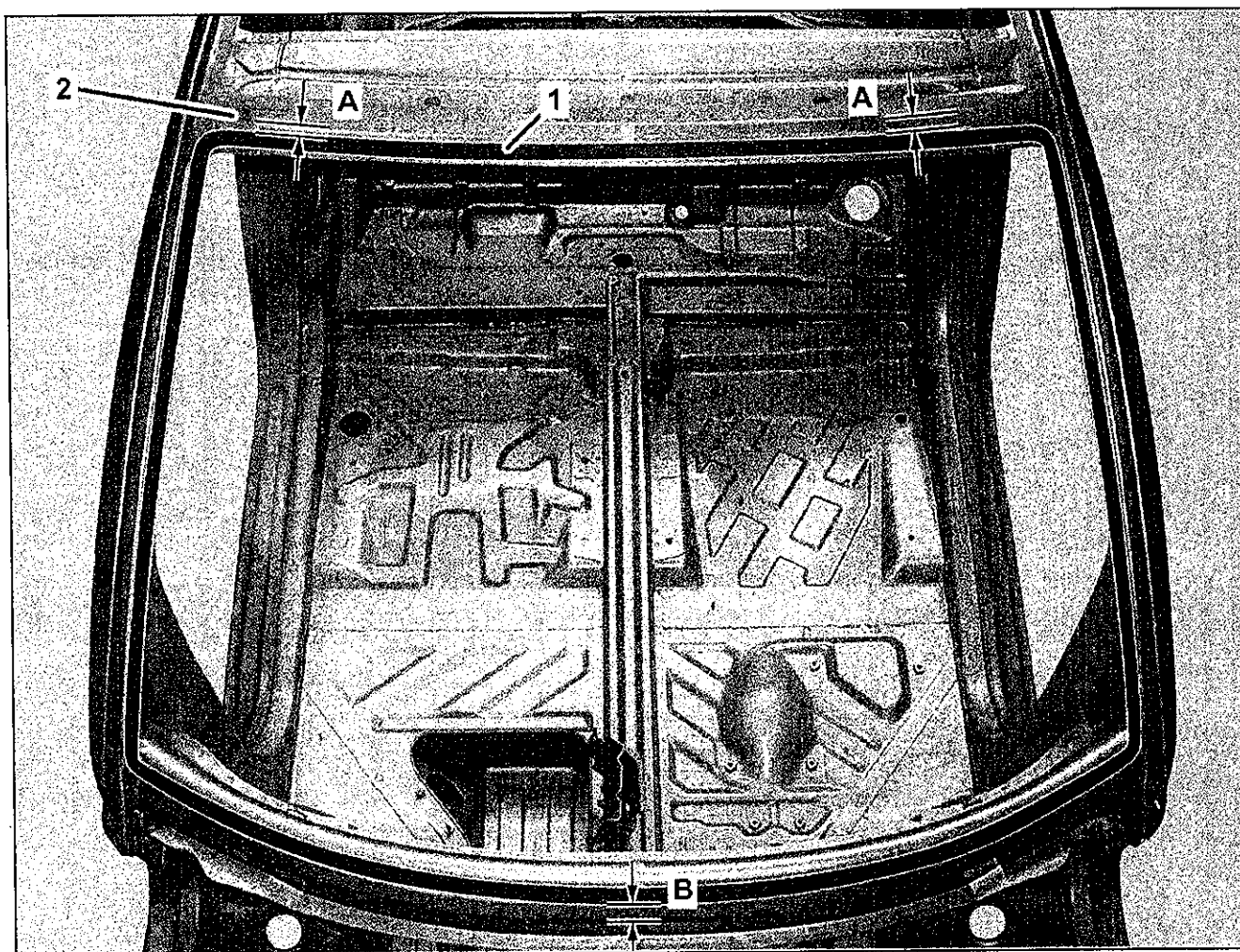
Shown for information.

- 1 Clean and degrease bonding area (1) on body flange (2).
- 2 Mask off bonding area (1) using adhesive tape.

 Use manual roller, 20P65.00-2121-06 mm wide. Observe distances.

Arrow A: Distance 10 mm

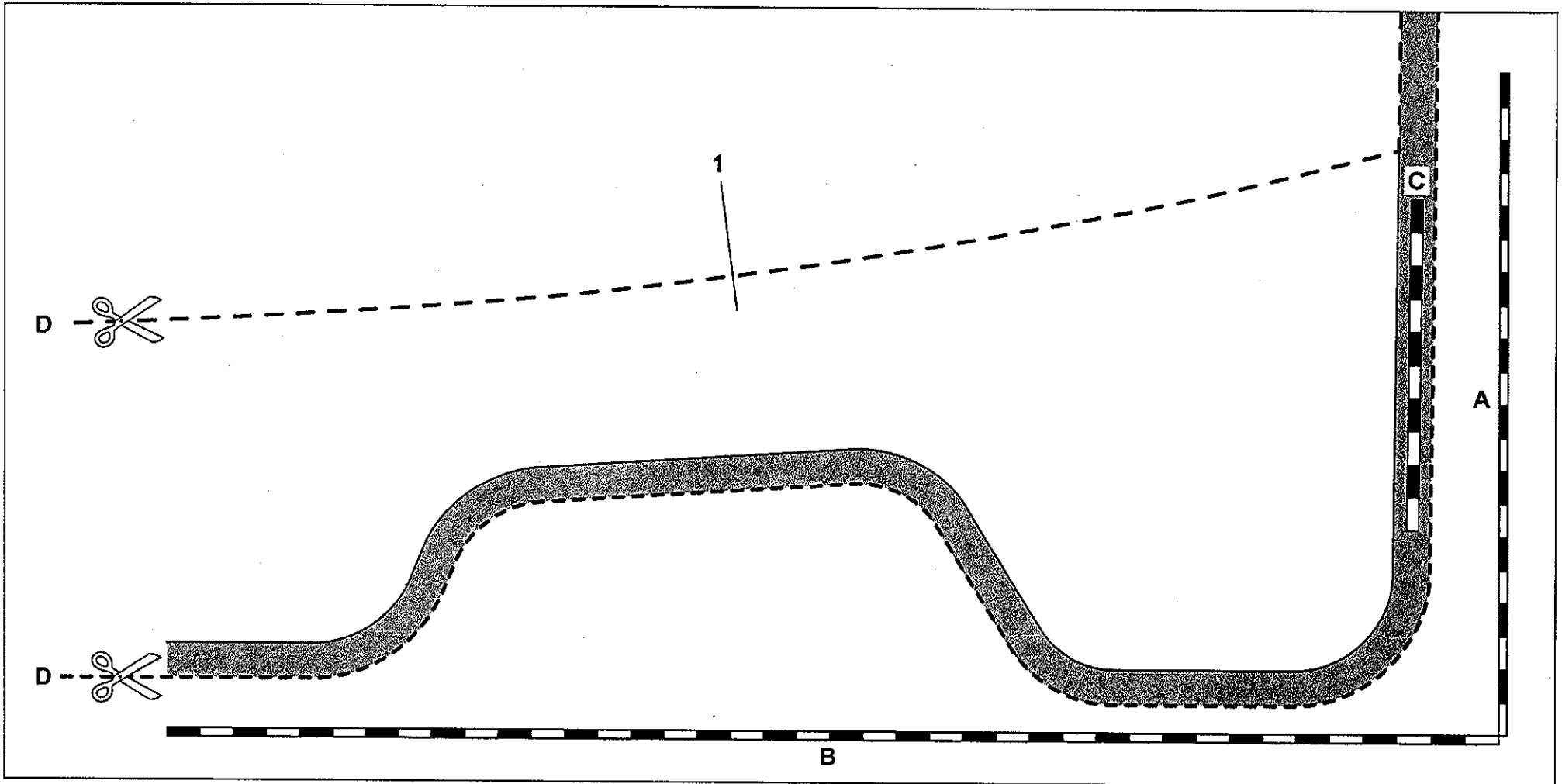
Arrow B: Distance 20 mm



P65.00-2120-06



AR98.00-P-1001-01KD

Print out template and transfer to body
flange

1	Template	A	200 mm	C	100 mm
		B	400 mm	D	Cutting contour

Application

- 1 Determine dimensions "A" and "B" from drawing.
- 2 Determine scaling factor "x":
dimension "A"/determined dimension "A" = scaling factor "x"
- 3 Copy template (1) to original size with determined scaling factor "X".
- 4 Check inspection mark (C).

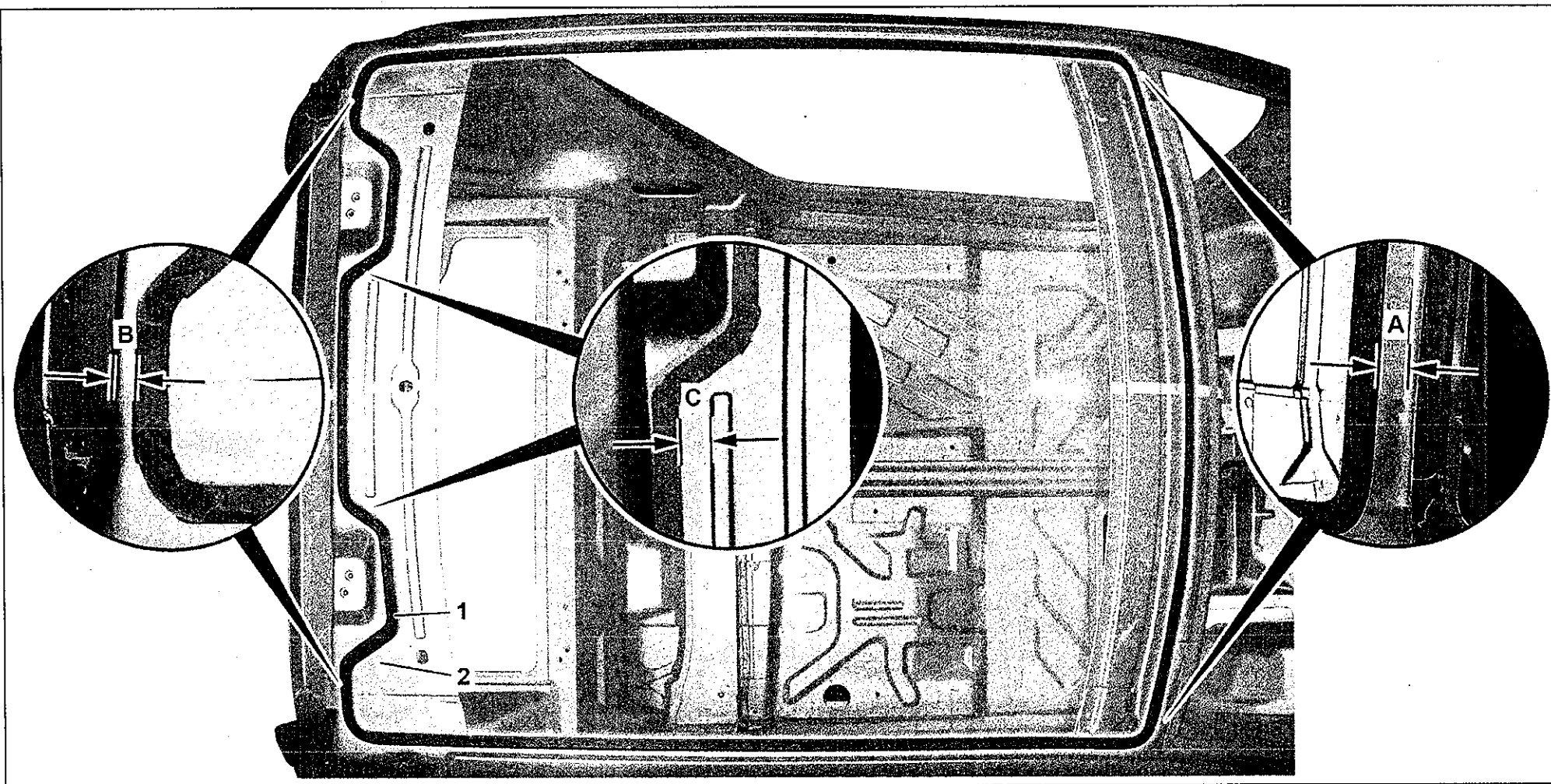
i When the template (1) is correctly magnified, the inspection mark (C) is 100 mm.

- 5 Cut out template (1) along cutting contour "D".
- 6 Fit template (1) into place and transfer at left and right onto body flange.

 Use appropriate pin to avoid any damage to or bleeding in the paintwork structure.

AR98.00-P-1001-03KD

Mask off and apply adhesive tape to
bonding surfaces for roof



P65.00-2121-09



Shown on body-in-white.

Shown for information.

- 1 Clean and degrease bonding area (1) on body flange (2).
- 2 Mask off bonding area (1) using adhesive tape.

 Use manual roller, 20 mm wide.

Observe distances.

Attach adhesive tape in rear area in accordance with previously made markings.

Marking A: Distance 20 mm

Marking B: Distance 15 mm

Marking C: Distance 20 mm



AH98.00-P-1001-01KD	Approved paint systems		
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Approved paint systems

System 1: Standox

Standox 2K epoxy - primer filler / or epoxy primer filler 3:1
Standohyd Basecoat / or Standox Basecoat (solvent)
Standox 2K HighPro Clearcoat

System 2: Spies Hecker

Spies Hecker Hepox 2:1 Primer Surfacer 4090 / or Permasolid EP
Primer Surfacer 4500
Spies Hecker Optimum Clear Coat 8600

System 3: DuPont

DuPont 840R
DuPont Cromax / or Centari / or Chroma
DuPont 3750S

System 4: PPG

2K epoxy primer filler F3990 (solvent based)
WBL Envirobase MB 9 775
2K clear varnish D 8105

System 5: PPG

2K epoxy primer filler D8012 (water based)
WBL Envirobase MB 9 775
2K clear varnish D 8105

System 6: BASF/Glasurit

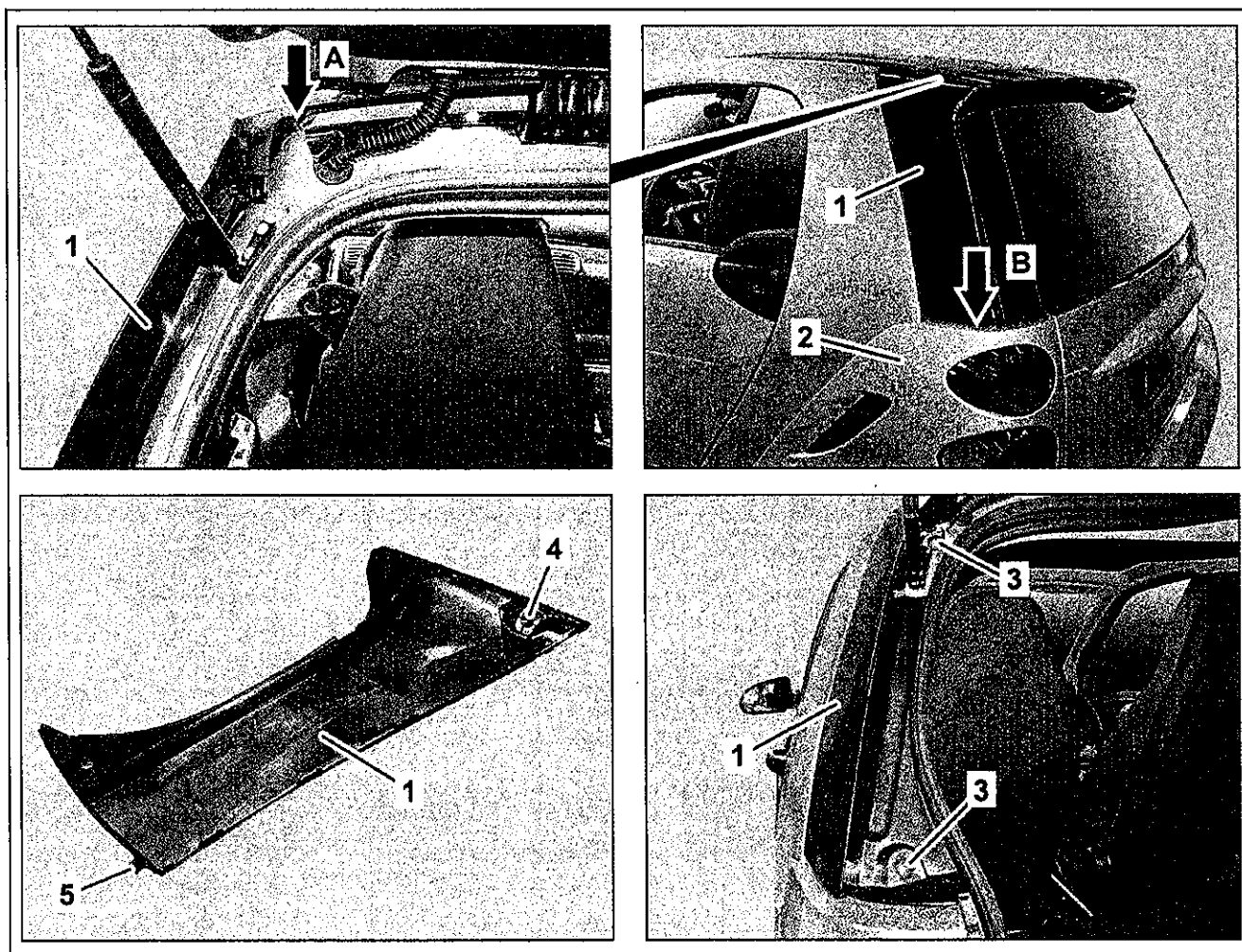
2K epoxy primer filler VOC 801-72 (MV 4:1)
WBL Series 90 MB 9 755
2K clear varnish 923-45

AR88.30-P-1200KD

Remove/install C-pillar outer cover

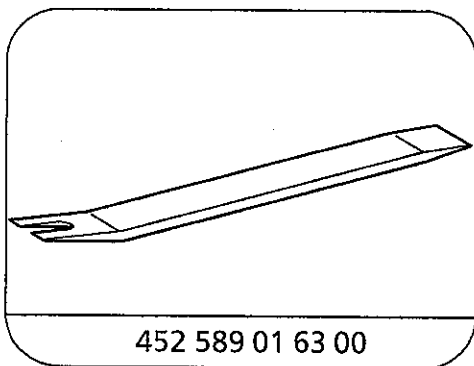
6.8.08

- 1 Outer cover
- 2 Rear CBS
- 3 Bolt
- 4 Retaining clip
- 5 Bracket



P88.30-2434-06

 	Remove/install		
1	Open rear-end door upper section and remove bolts (3)		
2	Mask off roof paneling in area of outer cover (1) with suitable textile adhesive tape		
3	Unclip retaining clip (4) on outer cover (1) in marked area (arrow A) with snap-release tool		452 589 01 63 00
4	Remove outer cover (1) upward	 Installation: Check retaining clip (4) on outer cover (1); replace if necessary. Ensure that bracket (5) is seated correctly in area (arrow B) on CBS rear end (2).	
5	Install in the reverse order		

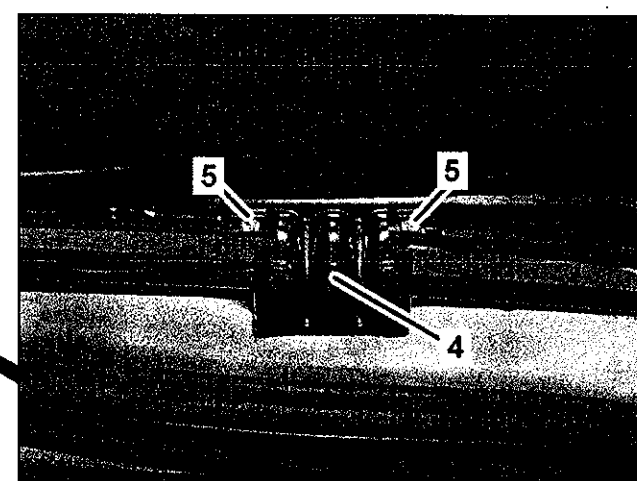
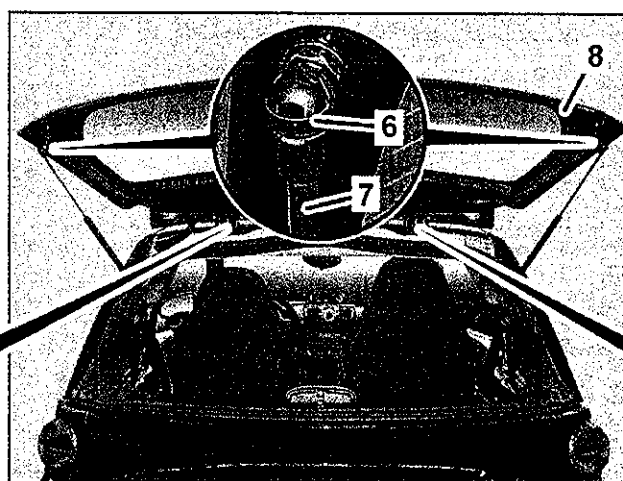
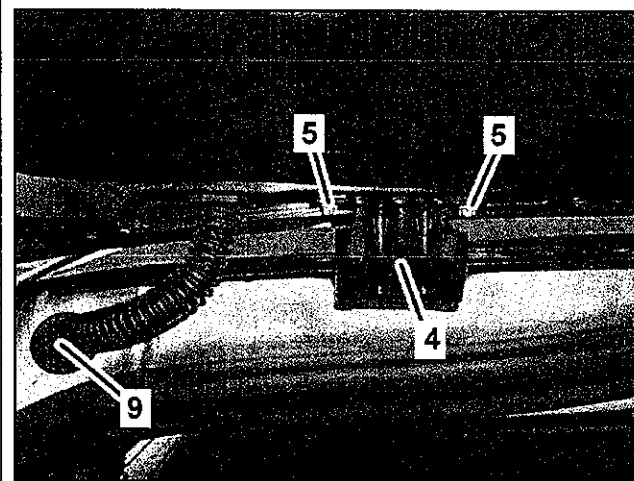
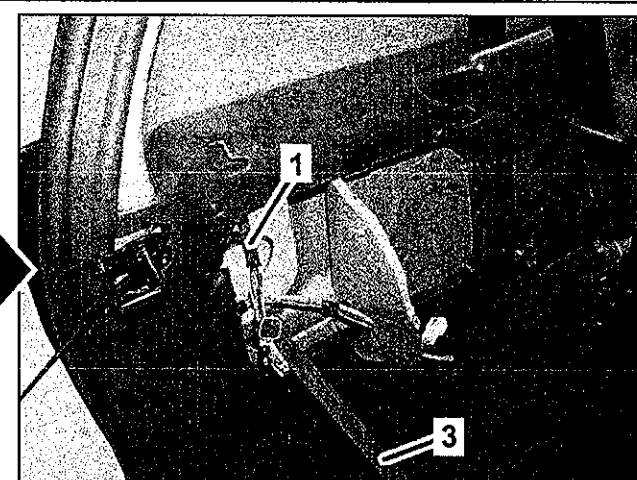
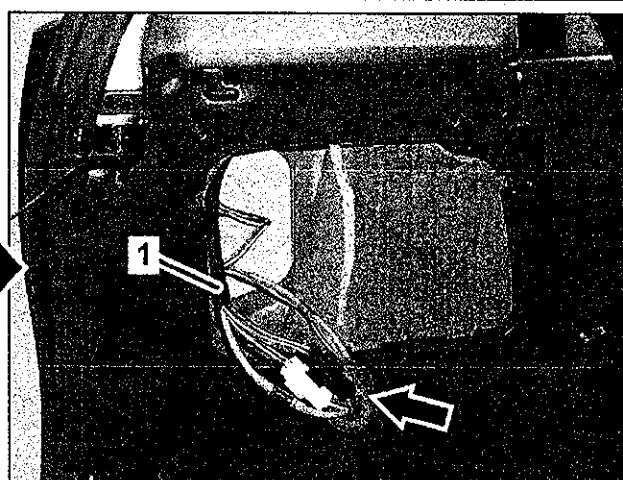


Snap-release tool

AR72.20-P-3500KDE

Remove/install rear-end door

3.8.08





- | | | | | | |
|---|------------------------------|---|------------|---|--------------------|
| 1 | Rear-end door wiring harness | 4 | Door hinge | 7 | Gas-operated strut |
| 2 | Side trunk lining | 5 | Screw | 8 | Rear-end door |
| 3 | Pulling aid | 6 | Retainer | 9 | Grommet |

 	Remove/install		
1	Remove cover on left side luggage compartment paneling (2).		
2	Guide rear-end door wiring harness (1) out of body opening		
3	Push back foam rubber jacketing (arrow) and disconnect all electrical connectors as well as water fluid hose on rear-end door wiring harness (1).		
4	Loosen grommet (9) on rear-end door wiring harness (1) in area of left door hinge (4).	 Installation: Arrow on grommet (9) should coincide with marking on body.	
5	Fasten suitable pulling out (3) on rear-end door wiring harness (1) and guide rear-end door (1) upward out of vehicle.		
 Danger!	Risk of injury Gas pressure struts are under high pressure and can pinch and crush body parts during work	Remove and install gas pressure struts only in relaxed position and on components properly secured.	

6	Lift retainers (6) with suitable screwdriver and unclip gas-operated strut (7) on rear-end door (8).	⚠ Ensure that rear-end door (8) does not close unintentionally to prevent damage. Do not remove retainers (6) because otherwise tension on retainers (6) is lost. i Installation: Clip gas-operated strut (7) to ball heads on rear-end door (8) using retainers (6) clipped in.	
7	Remove bolts (5) from door hinges (4) and take off rear-end door (8).	i Aid of helper required. i Installation: Check gaps on rear-end door (8), adjust if necessary. Nm	12 Nm
8	Install in the reverse order		
9	Check rear window heater, rear wiper system and center high-mounted brake lamp for proper function		

AR72.20-P-3500KD

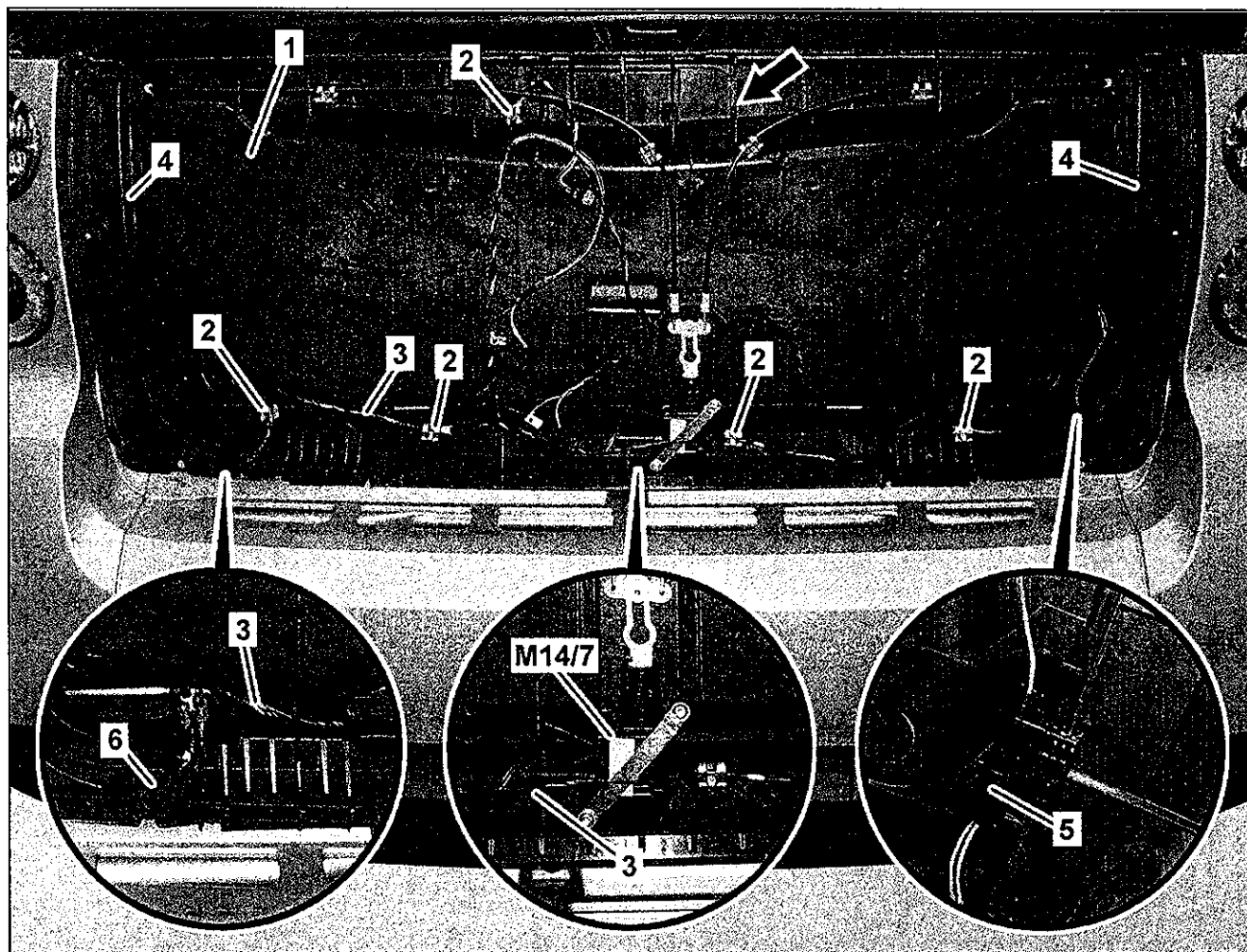
Remove/install rear-end door

3.8.08

Illustrated on model 451.4

- 1 Rear-end door
- 2 Retaining clamp
- 3 Rear-end door wiring harness
- 4 Cover
- 5 Electrical connector
- 6 Grommet

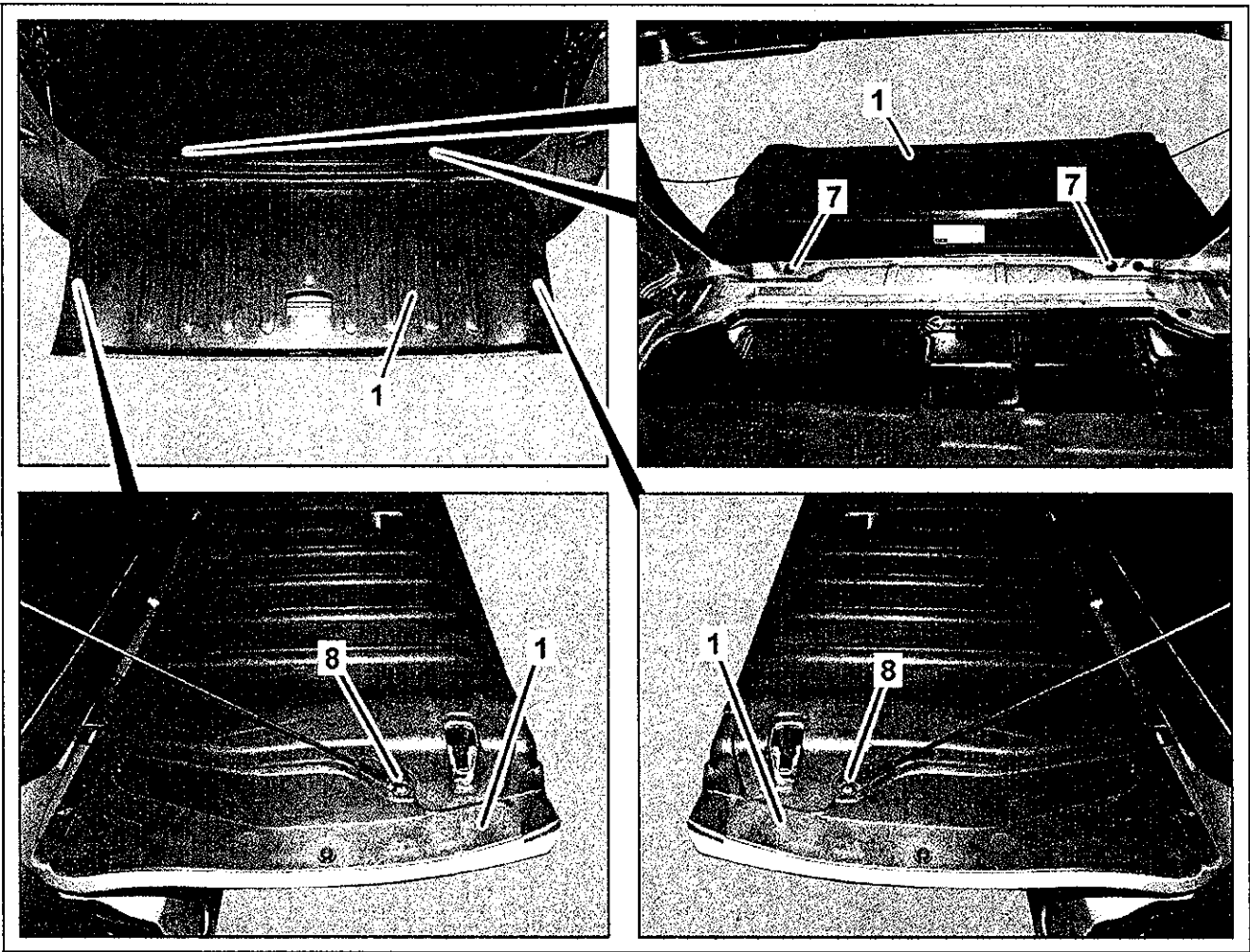
M14/7 Rear-end door CL [ZV] motor



P72.20-2628-06

Illustrated on model 451.4

- 1 Rear-end door
- 7 Nut
- 8 Bolt



P72.20-2629-06

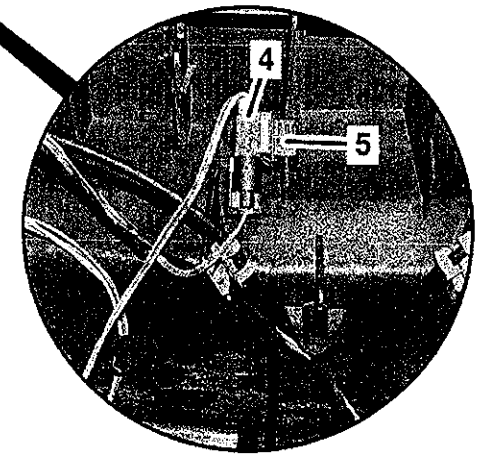
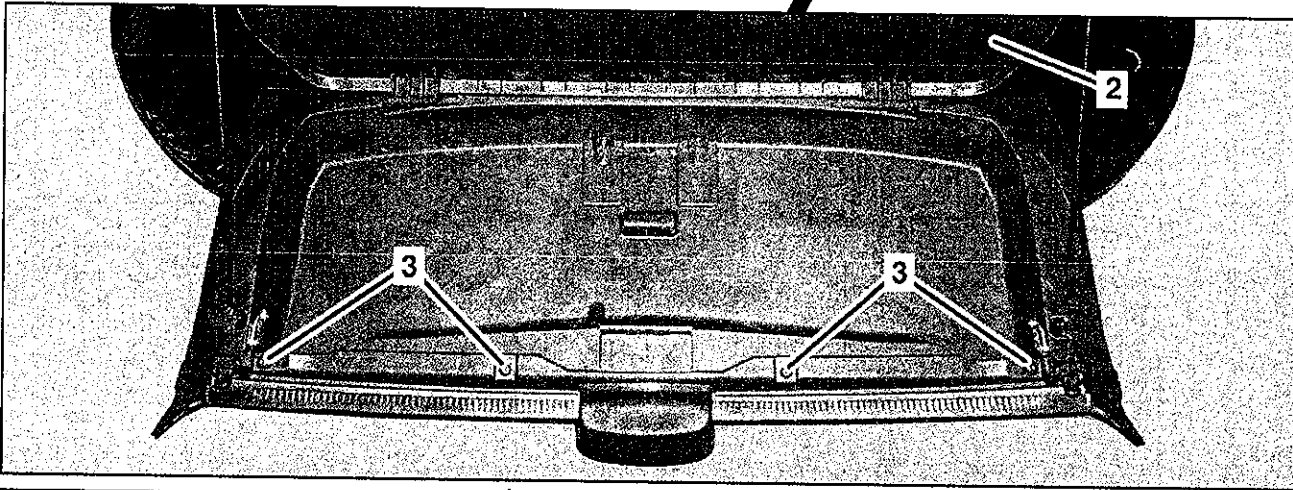
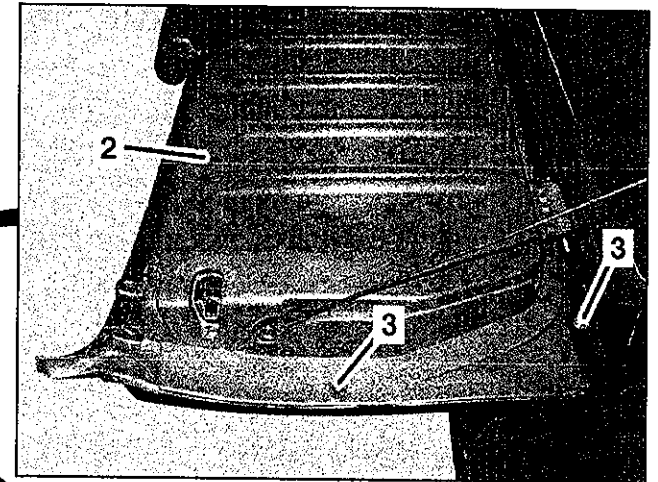
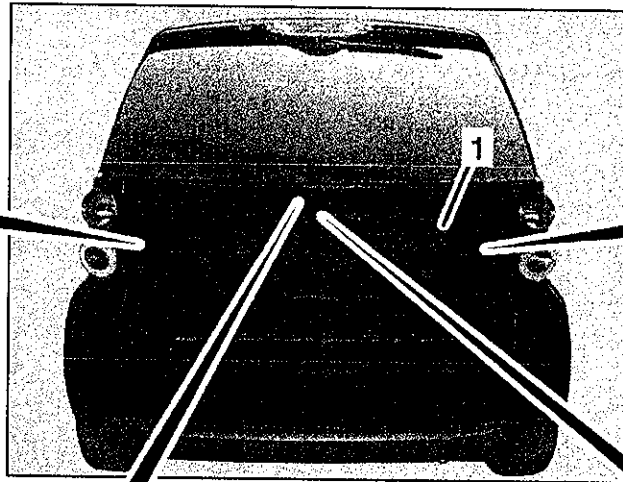
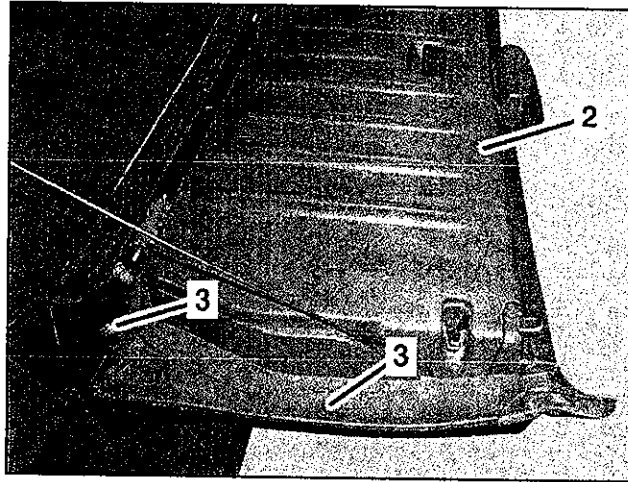
 	Remove/install		
1	Remove covers (4) from left and right door lock on rear-end door (1).		

2	Separate electrical connector (5)	i On model 451.3 the electrical connector (5) is located in the marked area (arrow).	
3	Disconnect electrical connector from rear-end door CL motor (M14/7)		
4	Loosen retaining clamp (2) from rear-end door wiring harness (3) and expose rear-end door wiring harness (3) on rear-end door (1).		
5	Loosen grommet (6) on rear-end door (1)		
6	Open rear-end door (1) and loosen bolt (8) on left and right door check strap on rear-end door (1).	i The bolt (8) remains on the corresponding door check strap. Nm	20 Nm
7	Lift load compartment floor covering, unscrew nut (7) on left and right hinge on rear-end door (1) and remove rear-end door (1).	Nm	43 Nm
8	Install in the reverse order		

AR72.20-P-1000KD

Remove rear-end door paneling

3.8.08

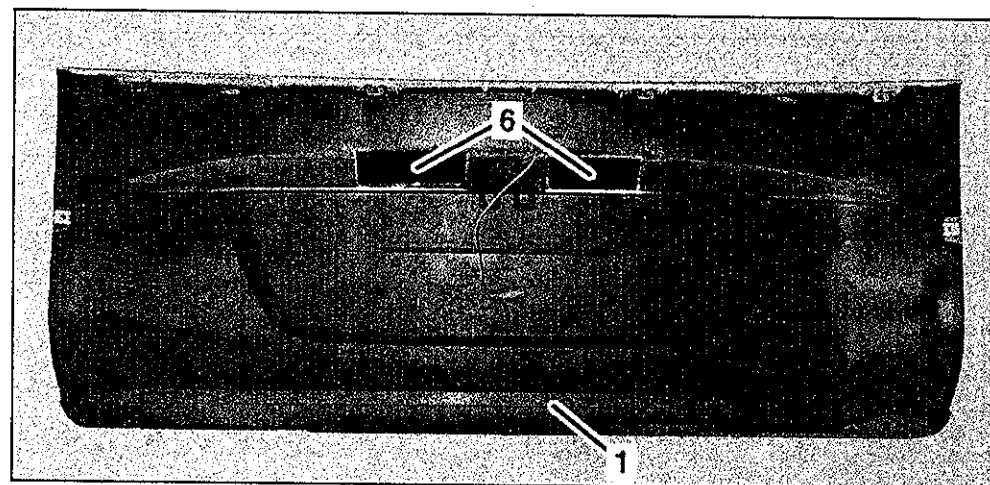


- 1 Bottom rear-end door paneling
- 2 Inner cover

- 3 Bolts
- 4 Electrical connector

- 5 Retaining clip

- 1 Bottom rear-end door paneling
- 6 Strips of black textile tape



P72.20-2587-10

⊗ ⊗	Remove/install		
1	Open bottom rear-end door and inner cover (2) on bottom rear-end door.		
2	Unscrew bolts (3) on rear-end door at bottom.	Cordless drill/driver http://gotis.aftersales.mercedes-benz.com	
3	Carefully close bottom rear-end door and remove bottom rear-end door paneling (1) until electrical connector (4) on rear-end door handle switch is accessible.	i When removing bottom rear-end door paneling (1), loosen wiring harness on rear-end door handle switch from retaining clip (5) on bottom rear-end door.	

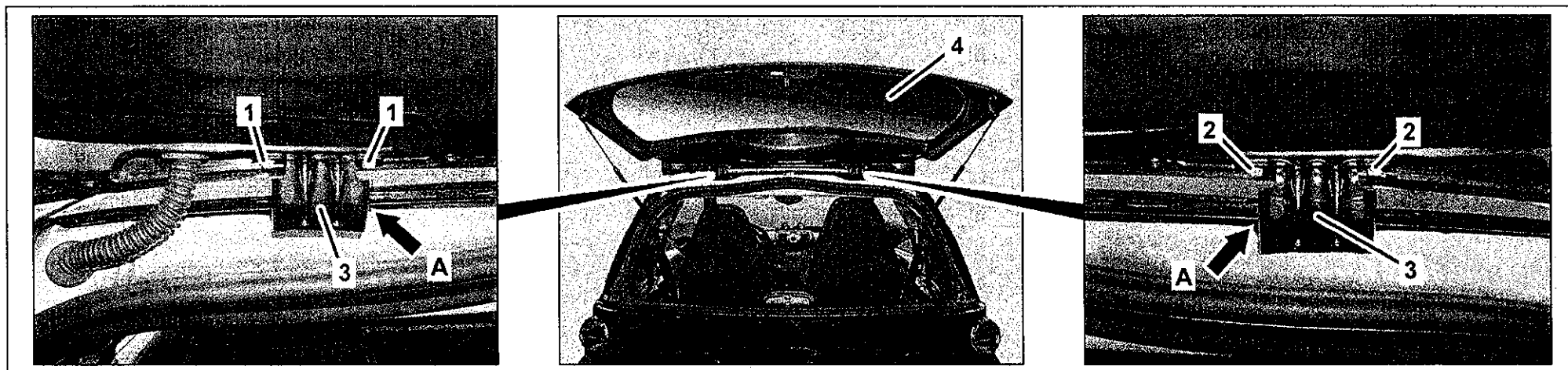


4	Disconnect electrical connector (4)	i Installation: Connect electrical connector (4) and check rear-end door handle switch for proper function.	
5	Remove bottom rear-end door paneling (1)	i On vehicles with yellow, red or white bottom rear-end door paneling (1), mask off area above license plate lamps with strips of black textile adhesive tape (6).	
6	Install in the reverse order		

AR72.20-P-3510KDE

Adjust rear-end door

3.8.08



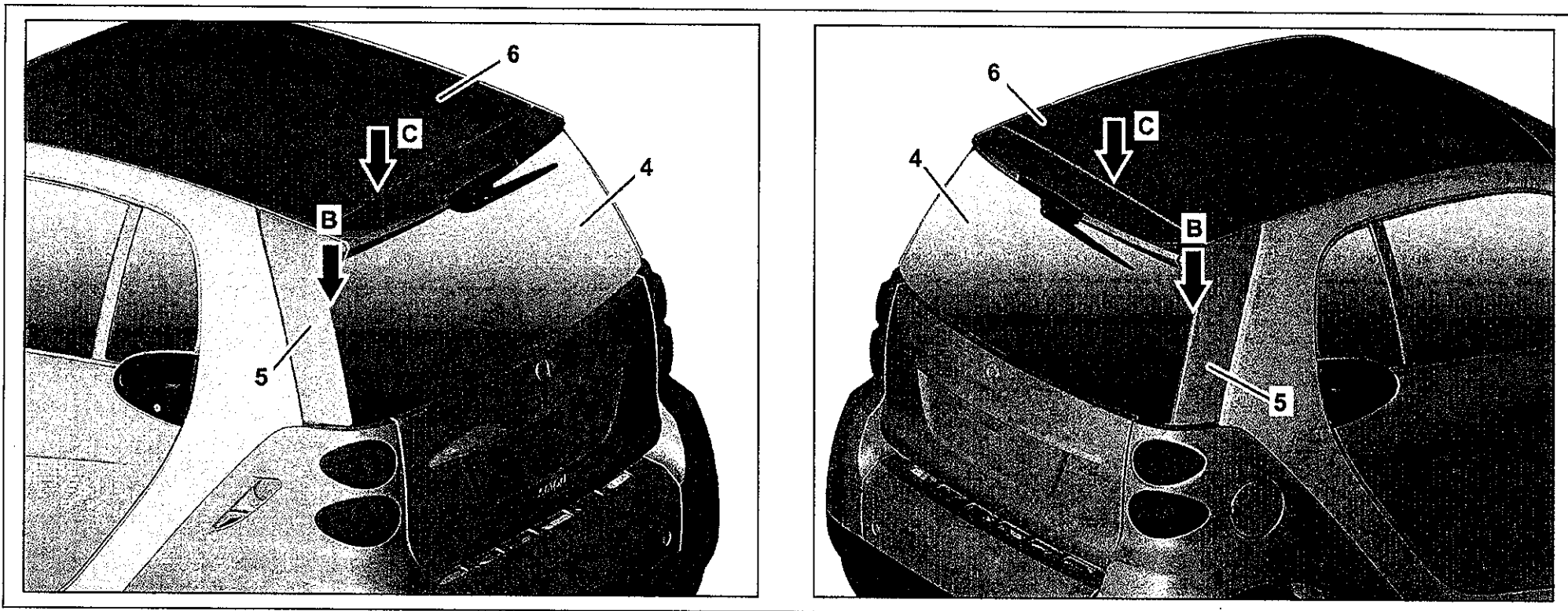
P72.20-2674-07

1 Screw

2 Screw

3 Door hinge

4 Rear-end door



P72.20-2718-08

4 Rear-end door

5 C-pillar outer cover

6 Roof paneling

	Checking		
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1	Check dimensions gaps on rear-end door (4)	i The rear-end door (4) should be located at the same height as the roof paneling (6) in the marked areas (C arrows); furthermore, the gap dimensions (B arrows) should be the same in relation to the C-pillar outer covers (5) on both sides. CBS rear end to top rear-end door Outer cover to upper rear-end door Bottom rear-end door to top rear-end door Roof paneling to rear spoiler g	BE60.00-P-1006-01V BE60.00-P-1007-01V BE60.00-P-1009-01V BE60.00-P-1010-01V 452 589 01 21 00
	Adjust		
2	Open rear-end door (4) and loosen bolts (arrows A) as well as bolts (1, 2) at door hinges (3)		
3	Close rear-end door (4) and check gap dimensions on rear-end door (4); adjust if necessary.	i The rear-end door (4) should be located at the same height as the roof paneling (6) in the marked areas (C arrows); furthermore, the gap dimensions (B arrows) should be the same in relation to the C-pillar outer covers (5) on both sides. CBS rear end to top rear-end door Outer cover to upper rear-end door	BE60.00-P-1006-01V BE60.00-P-1007-01V



		Bottom rear-end door to top rear-end door Roof paneling to rear spoiler 	BE60.00-P-1009-01V BE60.00-P-1010-01V 452 589 01 21 00
4	Open rear-end door (4) and tighten bolts (arrows A) as well as bolts (1, 2) at door hinges (3)	 Ensure that the adjusted position of the rear-end door (4) does not change. 	12 Nm
5	Close rear-end door (4).		

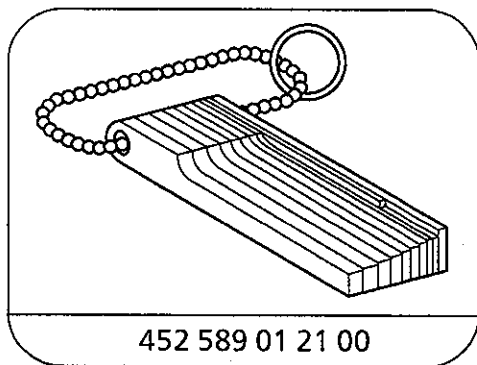


Check values for gaps

Number	Designation			Model 451.3
BE60.00-P-1006-01V	Gap dimension	CBS rear end to B-pillar	Dimension "AA" mm	1 (± 1)
		CBS rear end to taillamp	Dimension "AB" mm	1 (± 1)
		CBS rear center part to fender	Dimension "AC" mm	3 (± 0.5)
		CBS rear end to bottom rear-end door	Dimension "AD" mm	5 (± 2)
		CBS rear end to top rear-end door	Dimension "AE" mm	7 (± 2.5)
		CBS rear end to cover	Dimension "AF" mm	-
		See picture		AR60.00-P-0700-01KD
BE60.00-P-1007-01V	Gap dimension	Outer cover to CBS rear end	Dimension "AG" mm	6 (± 2)
		Outer cover to B-pillar	Dimension "AH" mm	4 (± 1.5)
		Outer cover to roof paneling	Dimension "AI" mm	5 (± 1.5)
		Outer cover to upper rear-end door	Dimension "AJ" mm	5 (± 1.5)
		See picture		-
BE60.00-P-1009-01V	Gap dimension	Bottom rear-end door to top rear-end door	Dimension "AO" mm	7 (± 2.5)
		See picture		AR60.00-P-0700-01KD

Check values for gaps

Number	Designation				Model 451.3
BE60.00-P-1010-01V	Gap dimension	Roof paneling to rear spoiler	Dimension "AP"	mm	6 (± 2)
		Roof paneling to windshield	Dimension "AQ"	mm	5.5 (± 3.5)
		roof paneling (full roof) to side roof frame	Dimension "AR"	mm	6 (± 1.5)
		roof paneling (panoramic roof) to side roof frame	Dimension "AR"	mm	5 (± 1.5)
		See picture			AR60.00-P-0700-01KD



452 589 01 21 00

Feeler gauge



AR60.00-P-0700-01KD	Gap dimensions on hoods, doors and lids		
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Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1001-01V	Gap dimension	Front door to upper CBS front end	Dimension "A" mm	5 (+ 1.5)	5 (+ 1.5)
		Front door to lower CBS front end	Dimension "A1" mm	4 (+ 1.5)	4 (+ 1.5)
		Front door to entry	Dimension "B" mm	7 ($\pm$ 1.5)	7 ($\pm$ 1.5)
		Front door to B-pillar	Dimension "C" mm	7 ($\pm$ 1.5)	7 ($\pm$ 1.5)
		Door handle to B-pillar	Dimension "D" mm	6 ($\pm$ 1.5)	6 ($\pm$ 1.5)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1002-01V	Gap dimension	CBS front end to front service flap	Dimension mm "E"	4 (+ 1.5)	4 (+ 1.5)
		CBS front end to side bottom service flap	Dimension mm "F"	4 (+ 1.5)	4 (+ 1.5)
		CBS front center section to fender	Dimension mm "G"	3 (+ 0.5)	3 (+ 0.5)
		CBS front end to front lamp unit	Dimension mm "H"	2.5 (+ 2)	2.5 (+ 2)
		CBS front end to upper side service flap	Dimension mm "I"	4 (+ 1.5)	4 (+ 1.5)
		CBS front end to cover	Dimension mm "J"	1.5 ($\pm$ 1)	1.5 ($\pm$ 1)
		CBS front end to cover below windshield	Dimension mm "K"	5 ($\pm$ 1.5)	5 ($\pm$ 1.5)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1003-01V	Gap dimension	Service flap to cover below windshield	Dimension mm "L"	5 (+ 2)	5 (+ 2)
		Service flap to front lamp unit	Dimension mm "M"	2.5 (+ 2)	2.5 (+ 2)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation	Model 451.3	Model 451.4
BE60.00-P-1004-01V	Gap dimension Stationary window to B-pillar	Dimension mm "N" 8 (± 1.5)	8 (± 1.5)
	Stationary window to side roof frame	Dimension mm "O" 8 (± 1.5)	-
	Stationary window to roof frame strut	Dimension mm "P" -	8 (± 1.5)
	Rear window guide rail to side roof frame	Dimension mm "Q" 8 (± 1.5)	-
	Rear window guide rail to roof frame strut	Dimension mm "R" -	8 (± 1.5)
	Side window to side roof frame	Dimension mm "S" 8 (± 1.5)	-
	Side window to roof frame strut	Dimension mm "T" -	8 (± 1.5)
	Side window to A-pillar	Dimension mm "U" 8 (± 1.5)	8 (± 1.5)
	See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1005-01V	Gap dimension	Outside mirror to A-pillar	Dimension "V" mm	3.5 (± 2.5)	3.5 (± 2.5)
		Cover to outside mirror	Dimension "W" mm	6.5 (± 1)	6.5 (± 1)
		Cover to A-pillar	Dimension "X" mm	3.5 (± 2.5)	3.5 (± 2.5)
		Cover to cover below windshield	Dimension "Y" mm	8 (± 1.5)	8 (± 1.5)
		Cover below windshield to A-pillar	Dimension "Z" mm	5 (± 1)	5 (± 1)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1006-01V	Gap dimension	CBS rear end to B-pillar	Dimension mm "AA"	1 (± 1)	1 (± 1)
		CBS rear end to taillamp	Dimension mm "AB"	1 (± 1)	1 (± 1)
		CBS rear center part to fender	Dimension mm "AC"	3 (± 0.5)	3 (± 0.5)
		CBS rear end to bottom rear-end door	Dimension mm "AD"	5 (± 2)	5 (± 2)
		CBS rear end to top rear-end door	Dimension mm "AE"	7 (± 2.5)	-
		CBS rear end to cover	Dimension mm "AF"	-	8 (± 2)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1007-01V	Gap dimension	Outer cover to CBS rear end	Dimension mm "AG"	6 (± 2)	-
		Outer cover to B-pillar	Dimension mm "AH"	4 (± 1.5)	-
		Outer cover to roof paneling	Dimension mm "AI"	5 (± 1.5)	-
		Outer cover to upper rear-end door	Dimension mm "AJ"	5 (± 1.5)	-
			See picture	-	-
BE60.00-P-1008-01V	Gap dimension	Soft top to bottom rear-end door	Dimension mm "AK"	-	8 (± 2)
		Soft top to B-pillar	Dimension mm "AL"	-	8 (± 2)
		Soft top to roof frame strut	Dimension mm "AM"	-	8 (± 2)
		Soft top to front roof paneling	Dimension mm "AN"	-	7 (± 2)
			See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD

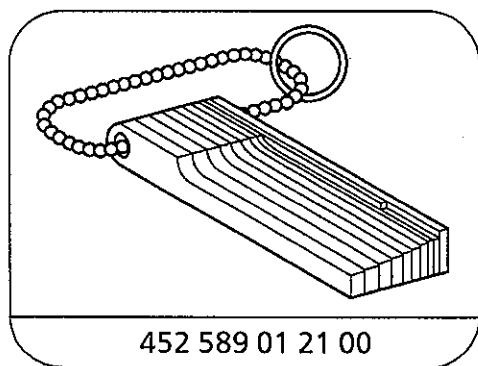


Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1009-01V	Gap dimension	Bottom rear-end door to top rear-end door	Dimension mm "AO"	7 (± 2.5)	-
			See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1010-01V	Gap dimension	Roof paneling to rear spoiler	Dimension mm "AP"	6 (± 2)	-
		Roof paneling to windshield	Dimension mm "AQ"	5.5 (± 3.5)	-
		roof paneling (full roof) to side roof frame	Dimension mm "AR"	6 (± 1.5)	-
		roof paneling (panoramic roof) to side roof frame	Dimension mm "AR"	5 (± 1.5)	-
			See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1011-01V	Gap dimension	Roof frame strut to B-pillar	Dimension mm "AS"	-	6 (± 1.5)
		Front roof paneling to windshield	Dimension mm "AT"	-	5.5 (± 3)
		Roof frame strut to A-pillar	Dimension mm "AU"	-	6 (± 1.5)
			See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD

Check values for gaps

Number	Designation		Model 451.3	Model 451.4
BE60.00-P-1012-01V	Gap dimension	Paneling to entrance	1 (± 0.5)	1 (± 0.5)
		See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD

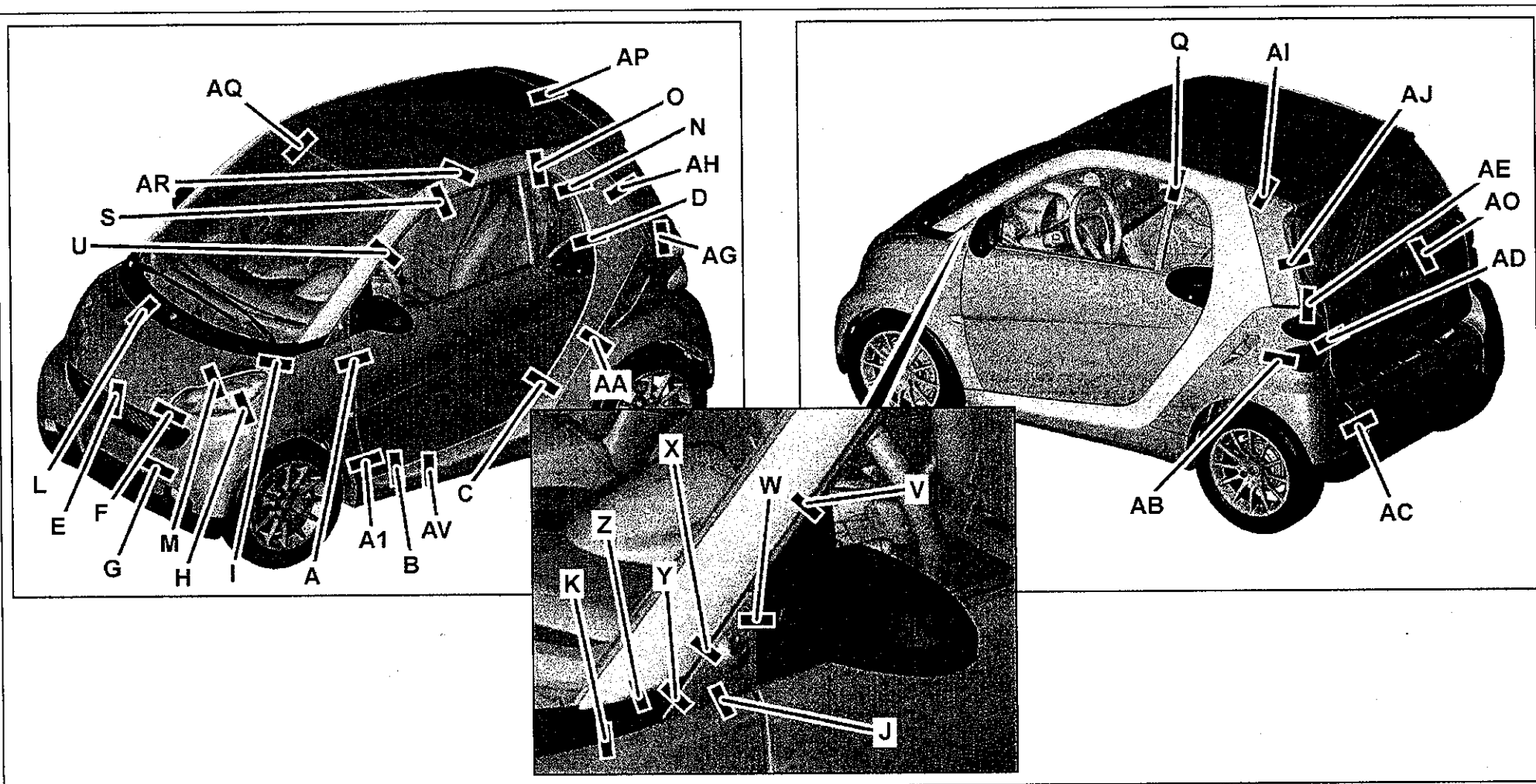


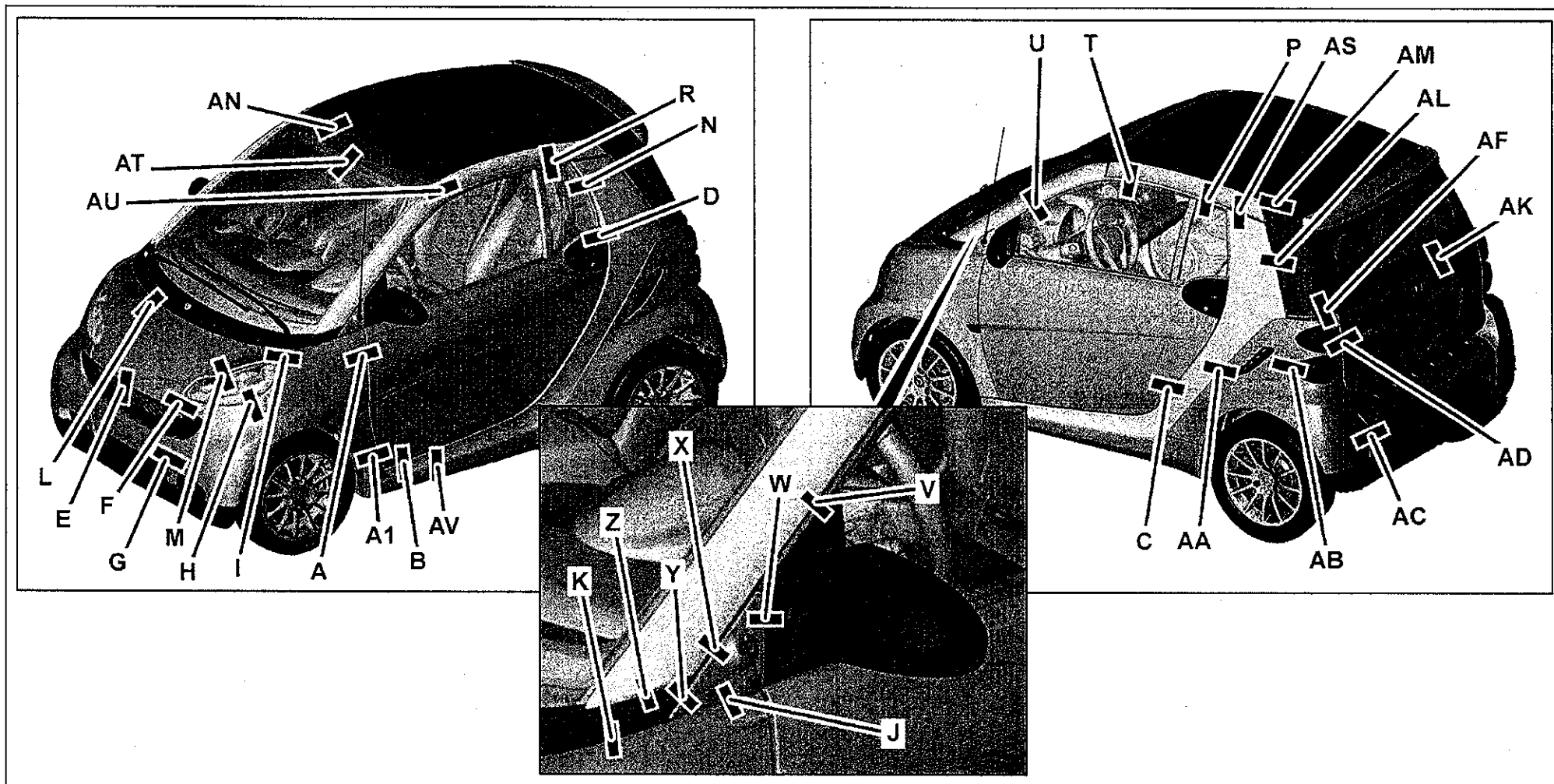
452 589 01 21 00

Feeler gauge

i Adjust hood, doors and lids as shown in drawings. The gap should have a wedge-shape or be narrower at spots only in predefined areas. Other deviations from parallel gap should be max. 1.0 mm over the entire length.

If the inside clearance is too large or too small, the movable body parts must be centered accordingly.
The reference measurements apply only for repair work on bodies damaged in accidents.

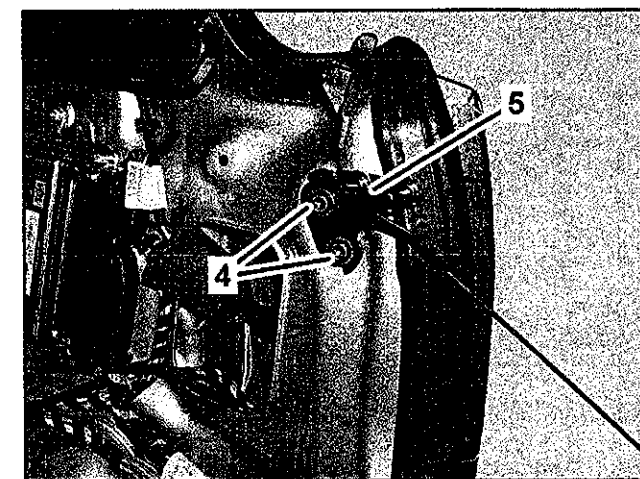
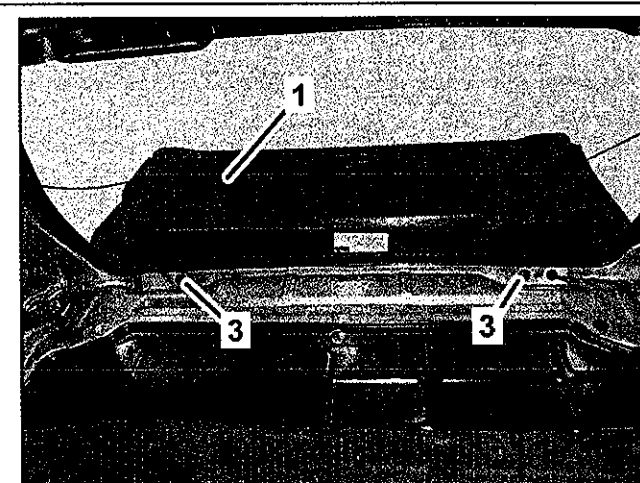
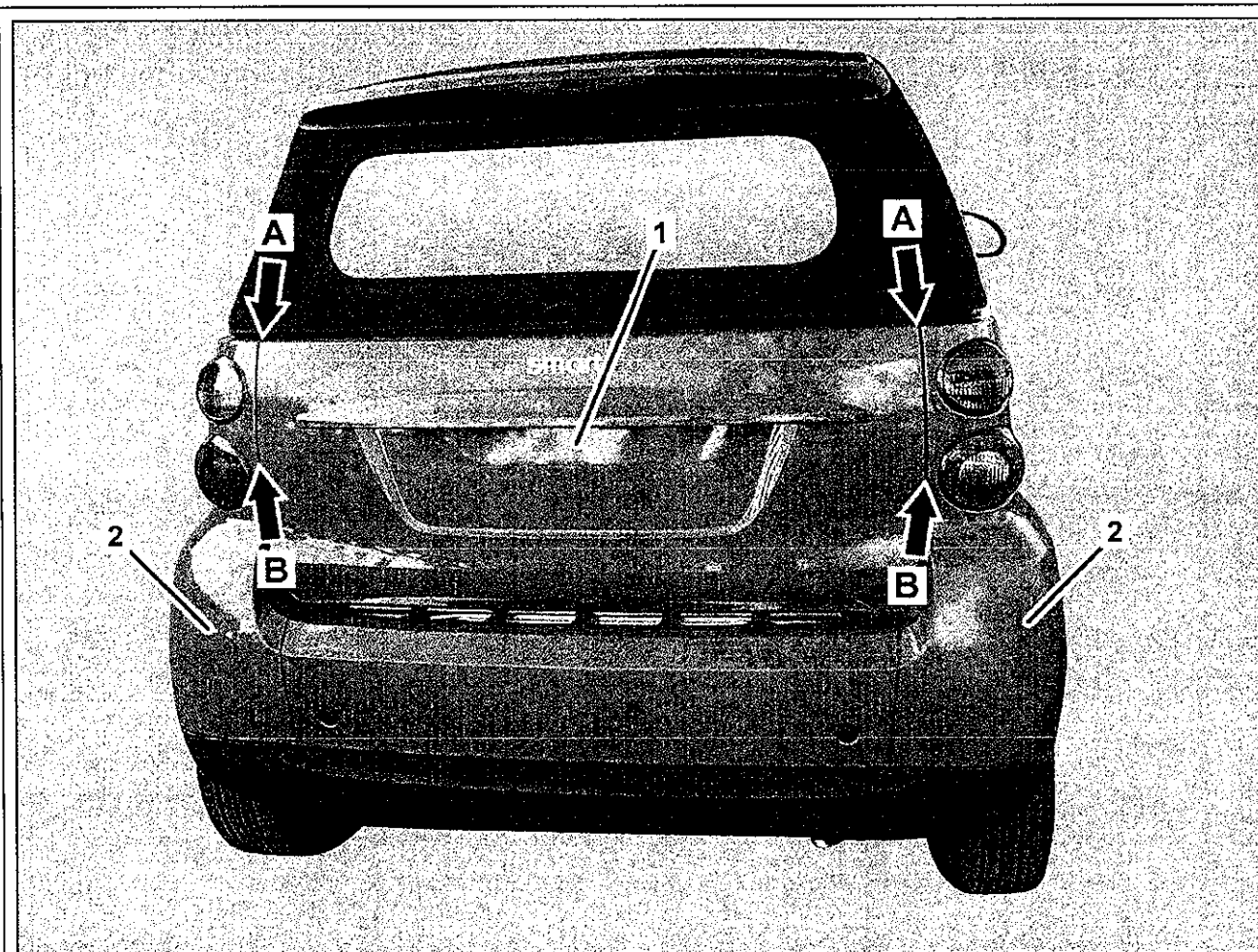




AR72.20-P-3510KD

Adjust rear-end door

3.8.08



1 Rear-end door
2 Rear fender

3 Nut
4 Bolts

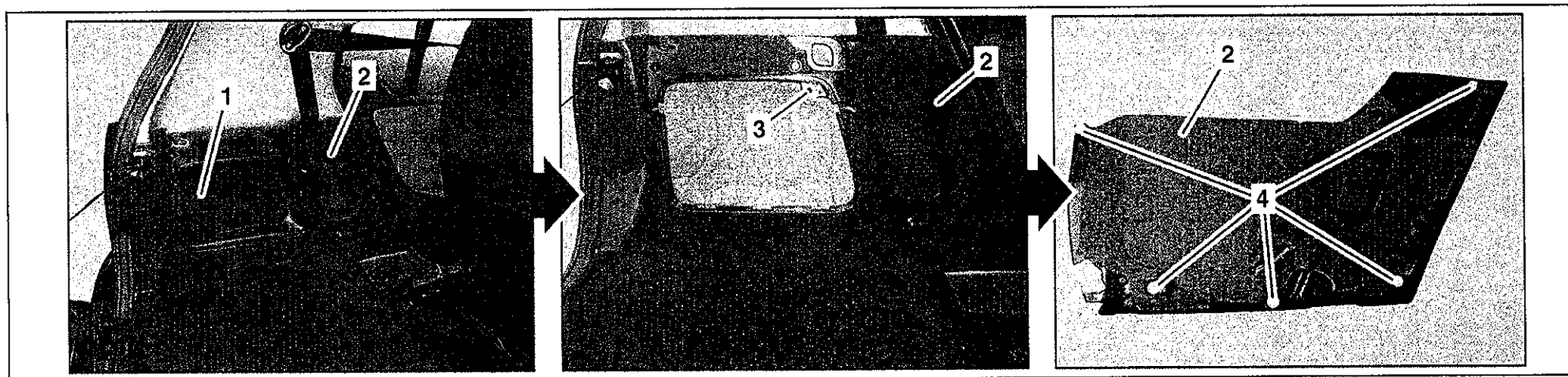
5 Locking eye

	Checking		
1	Check dimensions gaps on tailgate (1)	 The rear-end door (1) should be at the same height as the rear fenders (2) in the marked areas (arrows A) and the gap dimension (arrows B) should be equal on both sides.	
	Adjust		
2	Loosen bolts (4) on left and right locking eye (5).		
3	Lift load compartment floor covering and loosen nuts (3) on left and right hinge on rear-end door (1) so that rear-end door (1) can still be moved.		
4	Close rear-end door (1) and check gap dimensions on rear-end door (1), adjust if necessary.	 The rear-end door (1) should be at the same height as the rear fenders (2) in the marked areas (arrows A) and the gap dimension (arrows B) should be equal on both sides.	
5	Open tailgate (1)	 Ensure that the adjusted position of the rear-end door (1) does not change.	



6	Lift load compartment floor covering and tighten nuts (3) on left and right hinge on rear-end door (1).	Nm	43 Nm
7	Close rear-end door (1).		
8	Align locking eyes (5) with rear-end door (1) closed and tighten bolts (4).	i The rear-end door (1) should be flush with the rear fenders (2). The door lock on the rear-end door (1) should engage in the locking eye (5) without canting. Nm	32 Nm

AR68.30-P-4800KD	Remove/install side paneling in trunk	3.8.08
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P68.30-3297-07

Shown on left side on model 451.3

- 1 Cover
- 2 Trunk paneling
- 3 Screw
- 4 Clip

⊠ ⊠	Remove/install		
1	Adjust left and right seat toward front		
2.1	Unclip cap below right trunk paneling (2) and remove	When removing right trunk paneling (2).	



2.2	Unclip cover (1) on left trunk paneling (2) and remove	When removing left trunk paneling (1).	
3	Unscrew bolt (3) from trunk paneling (2)	 On right trunk paneling (2), bolt (3) is located behind cap at bottom.	
4	Unclip trunk paneling (2) and remove	 Check clips (4) on trunk paneling (2), replace if necessary.  Installation: Position edge guard on lower rear-end door in area of trunk paneling (2) with suitable tool.	
5	Install in the reverse order		

AR72.10-P-0500KD

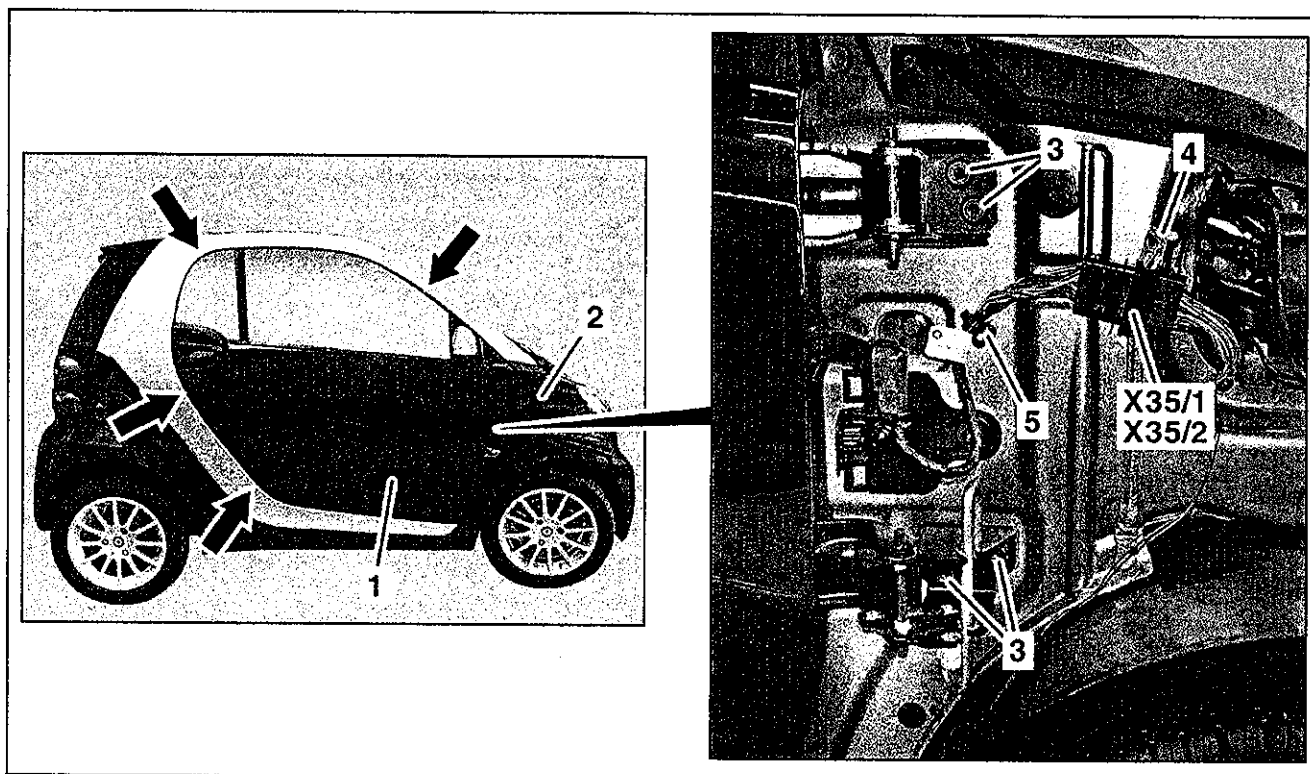
Remove/install front door

3.8.08

Shown on right side of vehicle on model 451.3

- 1 Door
- 2 Front CBS
- 3 Bolts
- 4 Fuse
- 5 Retaining clip

X35/1 Left door separation point
X35/2 Right door separation point



P72.10-3376-05



Remove/install

 Danger!	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.	Keep body parts and limbs well clear of moving parts.	
1	Remove service flap		
2	Mark installation position of left and right door (1) in area of door hinge on A-pillar.		
3	Mark installation position of left and right door (1) in marked areas (arrows) in relation to body with adhesive tape.		
4	Release retainer (4) and disconnect left door separation point (X35/1) or right door separation point (X35/2)		
5	Loosen retaining clip (5) on A-pillar.		
6	Unscrew bolts (3) of upper and lower door hinge on A-pillar, open door (1) and remove with aid of helper.	 Installation: Open door (1) a number of times against stop after tightening bolts (3). Then close door (1) and retighten bolts (3). Check door gaps (1); adjust if necessary. 	40 Nm
7	Install in the reverse order		



AR60.00-P-0700-01KD	Gap dimensions on hoods, doors and lids		
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Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1001-01V	Gap dimension	Front door to upper CBS front end	Dimension "A" mm	5 (+ 1.5)	5 (+ 1.5)
		Front door to lower CBS front end	Dimension "A1" mm	4 (+ 1.5)	4 (+ 1.5)
		Front door to entry	Dimension "B" mm	7 ($\pm$ 1.5)	7 ($\pm$ 1.5)
		Front door to B-pillar	Dimension "C" mm	7 ($\pm$ 1.5)	7 ($\pm$ 1.5)
		Door handle to B-pillar	Dimension "D" mm	6 ($\pm$ 1.5)	6 ($\pm$ 1.5)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1002-01V	Gap dimension	CBS front end to front service flap	Dimension mm "E"	4 (+ 1.5)	4 (+ 1.5)
		CBS front end to side bottom service flap	Dimension mm "F"	4 (+ 1.5)	4 (+ 1.5)
		CBS front center section to fender	Dimension mm "G"	3 (+ 0.5)	3 (+ 0.5)
		CBS front end to front lamp unit	Dimension mm "H"	2.5 (+ 2)	2.5 (+ 2)
		CBS front end to upper side service flap	Dimension mm "I"	4 (+ 1.5)	4 (+ 1.5)
		CBS front end to cover	Dimension mm "J"	1.5 ($\pm$ 1)	1.5 ($\pm$ 1)
		CBS front end to cover below windshield	Dimension mm "K"	5 ($\pm$ 1.5)	5 ($\pm$ 1.5)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1003-01V	Gap dimension	Service flap to cover below windshield	Dimension mm "L"	5 (+ 2)	5 (+ 2)
		Service flap to front lamp unit	Dimension mm "M"	2.5 (+ 2)	2.5 (+ 2)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1004-01V	Gap dimension	Stationary window to B-pillar	Dimension mm "N"	8 (± 1.5)	8 (± 1.5)
		Stationary window to side roof frame	Dimension mm "O"	8 (± 1.5)	-
		Stationary window to roof frame strut	Dimension mm "P"	-	8 (± 1.5)
		Rear window guide rail to side roof frame	Dimension mm "Q"	8 (± 1.5)	-
		Rear window guide rail to roof frame strut	Dimension mm "R"	-	8 (± 1.5)
		Side window to side roof frame	Dimension mm "S"	8 (± 1.5)	-
		Side window to roof frame strut	Dimension mm "T"	-	8 (± 1.5)
		Side window to A-pillar	Dimension mm "U"	8 (± 1.5)	8 (± 1.5)
			See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1005-01V	Gap dimension	Outside mirror to A-pillar	Dimension "V" mm	3.5 (± 2.5)	3.5 (± 2.5)
		Cover to outside mirror	Dimension "W" mm	6.5 (± 1)	6.5 (± 1)
		Cover to A-pillar	Dimension "X" mm	3.5 (± 2.5)	3.5 (± 2.5)
		Cover to cover below windshield	Dimension "Y" mm	8 (± 1.5)	8 (± 1.5)
		Cover below windshield to A-pillar	Dimension "Z" mm	5 (± 1)	5 (± 1)
		See picture			AR60.00-P-0700-01MCC AR60.00-P-0700-01KD



Check values for gaps

Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1006-01V	Gap dimension	CBS rear end to B-pillar	Dimension mm "AA"	1 (± 1)	1 (± 1)
		CBS rear end to taillamp	Dimension mm "AB"	1 (± 1)	1 (± 1)
		CBS rear center part to fender	Dimension mm "AC"	3 (± 0.5)	3 (± 0.5)
		CBS rear end to bottom rear-end door	Dimension mm "AD"	5 (± 2)	5 (± 2)
		CBS rear end to top rear-end door	Dimension mm "AE"	7 (± 2.5)	-
		CBS rear end to cover	Dimension mm "AF"	-	8 (± 2)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD



Check values for gaps

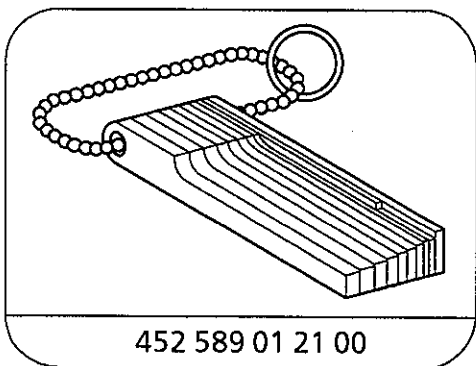
Number	Designation			Model 451.3	Model 451.4
BE60.00-P-1007-01V	Gap dimension	Outer cover to CBS rear end	Dimension mm "AG"	6 (± 2)	-
		Outer cover to B-pillar	Dimension mm "AH"	4 (± 1.5)	-
		Outer cover to roof paneling	Dimension mm "AI"	5 (± 1.5)	-
		Outer cover to upper rear-end door	Dimension mm "AJ"	5 (± 1.5)	-
		See picture		-	-
BE60.00-P-1008-01V	Gap dimension	Soft top to bottom rear-end door	Dimension mm "AK"	-	8 (± 2)
		Soft top to B-pillar	Dimension mm "AL"	-	8 (± 2)
		Soft top to roof frame strut	Dimension mm "AM"	-	8 (± 2)
		Soft top to front roof paneling	Dimension mm "AN"	-	7 (± 2)
		See picture		AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD

Check values for gaps

Number	Designation	Model 451.3	Model 451.4
BE60.00-P-1009-01V	Gap dimension Bottom rear-end door to top rear-end door	Dimension mm "AO"	7 (± 2.5)
	See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1010-01V	Gap dimension Roof paneling to rear spoiler	Dimension mm "AP"	6 (± 2)
	Roof paneling to windshield	Dimension mm "AQ"	5.5 (± 3.5)
	roof paneling (full roof) to side roof frame	Dimension mm "AR"	6 (± 1.5)
	roof paneling (panoramic roof) to side roof frame	Dimension mm "AR"	5 (± 1.5)
	See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD
BE60.00-P-1011-01V	Gap dimension Roof frame strut to B-pillar	Dimension mm "AS"	-
	Front roof paneling to windshield	Dimension mm "AT"	6 (± 1.5)
	Roof frame strut to A-pillar	Dimension mm "AU"	5.5 (± 3)
	See picture	AR60.00-P-0700-01MCC	6 (± 1.5)
		AR60.00-P-0700-01KD	

Check values for gaps

Number	Designation		Model 451.3	Model 451.4
BE60.00-P-1012-01V	Gap dimension	Paneling to entrance	1 (±0.5)	1 (±0.5)
		Dimension mm "AV"		
		See picture	AR60.00-P-0700-01MCC	AR60.00-P-0700-01KD

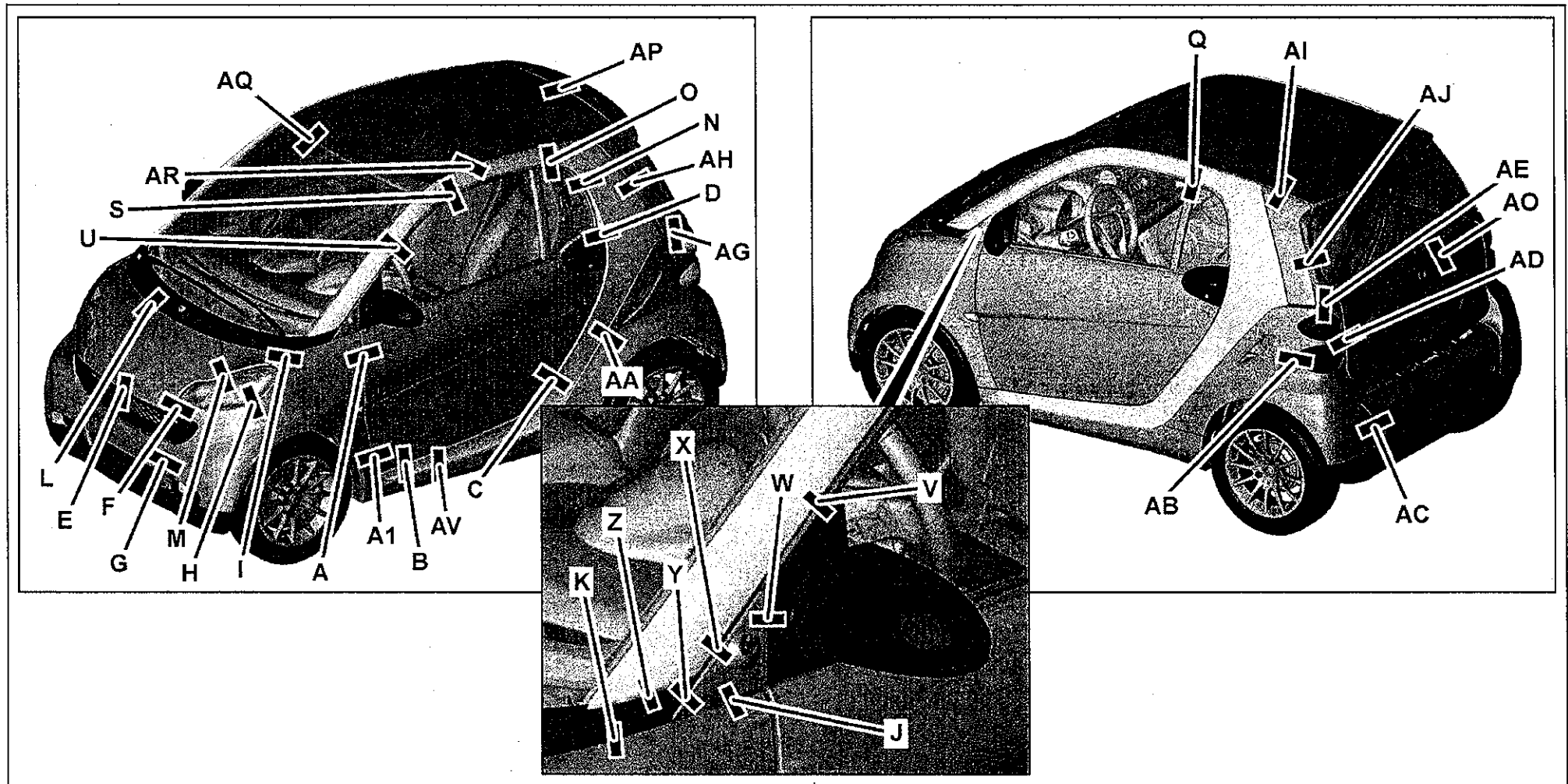


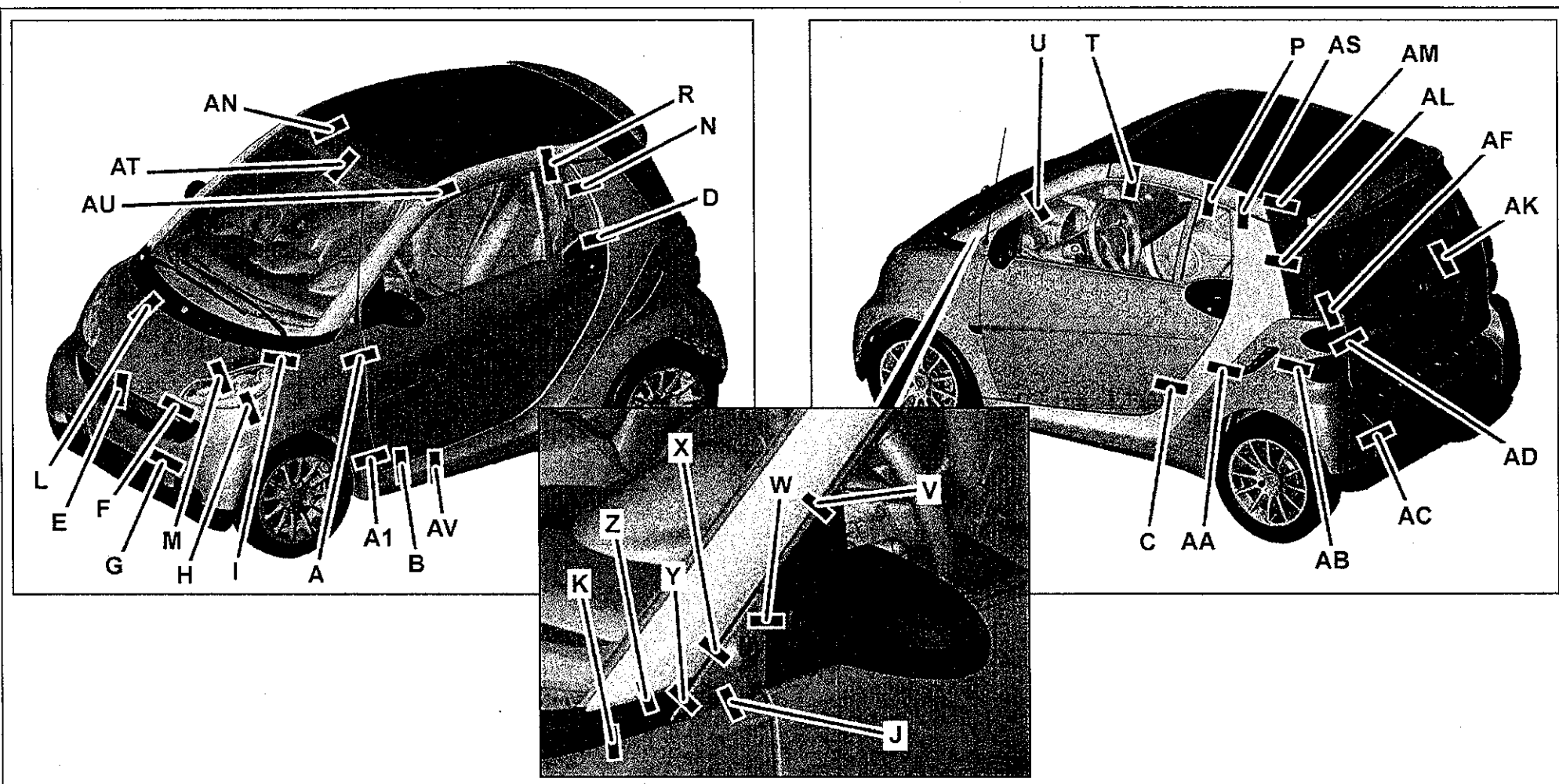
452 589 01 21 00

Feeler gauge

i Adjust hood, doors and lids as shown in drawings. The gap should have a wedge-shape or be narrower at spots only in predefined areas. Other deviations from parallel gap should be max. 1.0 mm over the entire length.

If the inside clearance is too large or too small, the movable body parts must be centered accordingly.
The reference measurements apply only for repair work on bodies damaged in accidents.





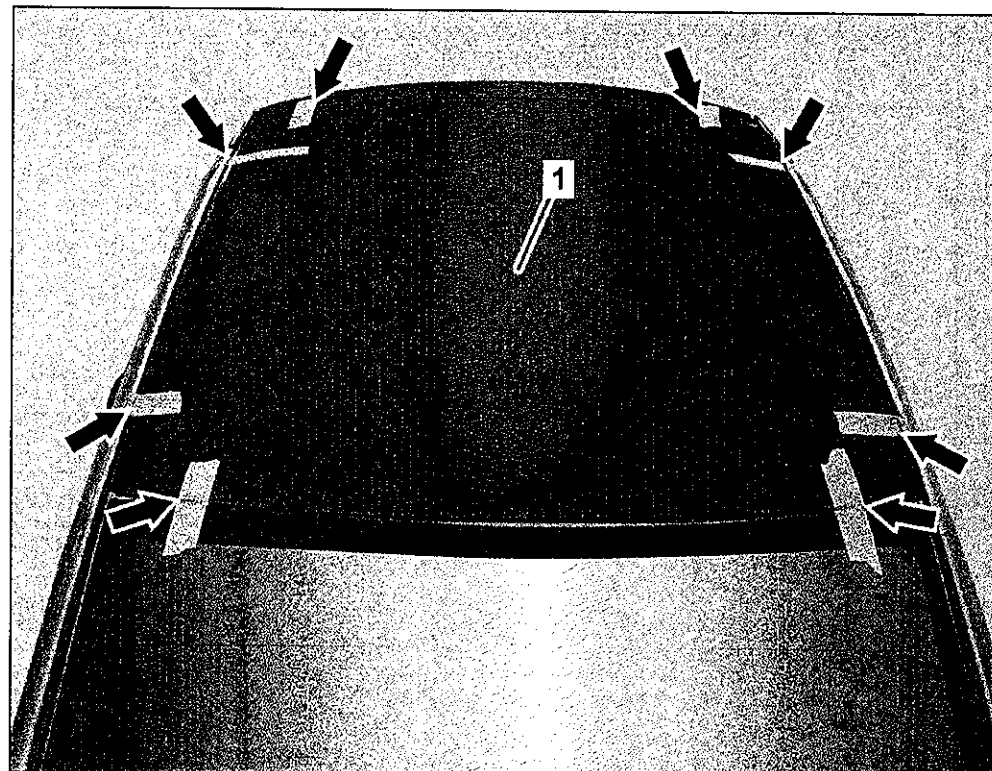
AR65.10-P-5702-06KD

Align roof paneling in body opening.

- 1 Position roof paneling (1) on spacers on body flange with aid of helper, align roof paneling (1) in relation to rear spoiler and center at side.

i The distance between roof paneling (1) and rear spoiler should be approx. 6 to 8 mm. The distance between roof paneling (1) and windshield is approx. 6 to 10 mm. If these values are not achieved, center roof paneling (1) to attain the rear value.

- 2 Attach suitable strips of adhesive tape (arrows) and cut at edge of roof paneling (1).
- 3 Remove roof paneling (1) from body flange with aid of helper.

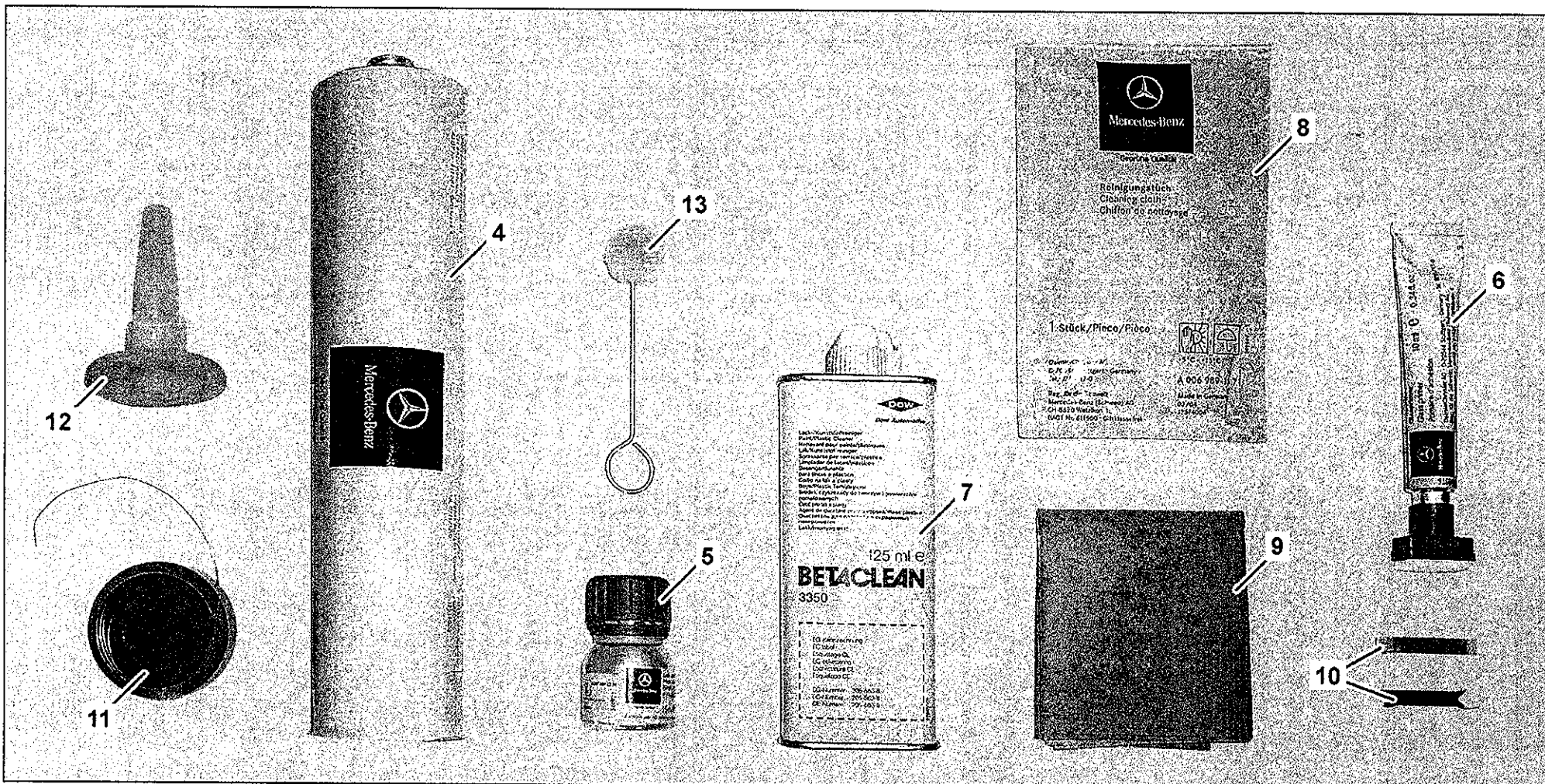


P65,10-3251-11



AH65.10-P-1000-01KD

Notes on removing/installing roof



P65.10-3254-09

4	Adhesive cartridge	7	Heptane cleaner 3350	10	Spacer
5	Plastic primer	8	Cleaning cloth	11	Cutting wire
6	Primer stick	9	Cloth	12	Application nozzle
				13	Wool wiper

ⓘ Use individual components as described in table below.

Deviation is not permissible, otherwise adhesive force of bonded connection is not ensured.

Allow primer to flash off for at least 10 minutes, but not for more than 15 minutes.

The crank window in the driver door must be opened during the curing time to prevent the component glued in from being pressed out by the air when the doors are closed. Avoid to open and close doors.

Designation	Note	Use
Adhesive cartridge (4)	Hot application: ● Short processing time ● Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h. i The adhesive cartridge (4) is heated in cartridge heater. Cartridge heater http://gotis.aftersales.daimlerchrysler.com	Adhesive material for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment

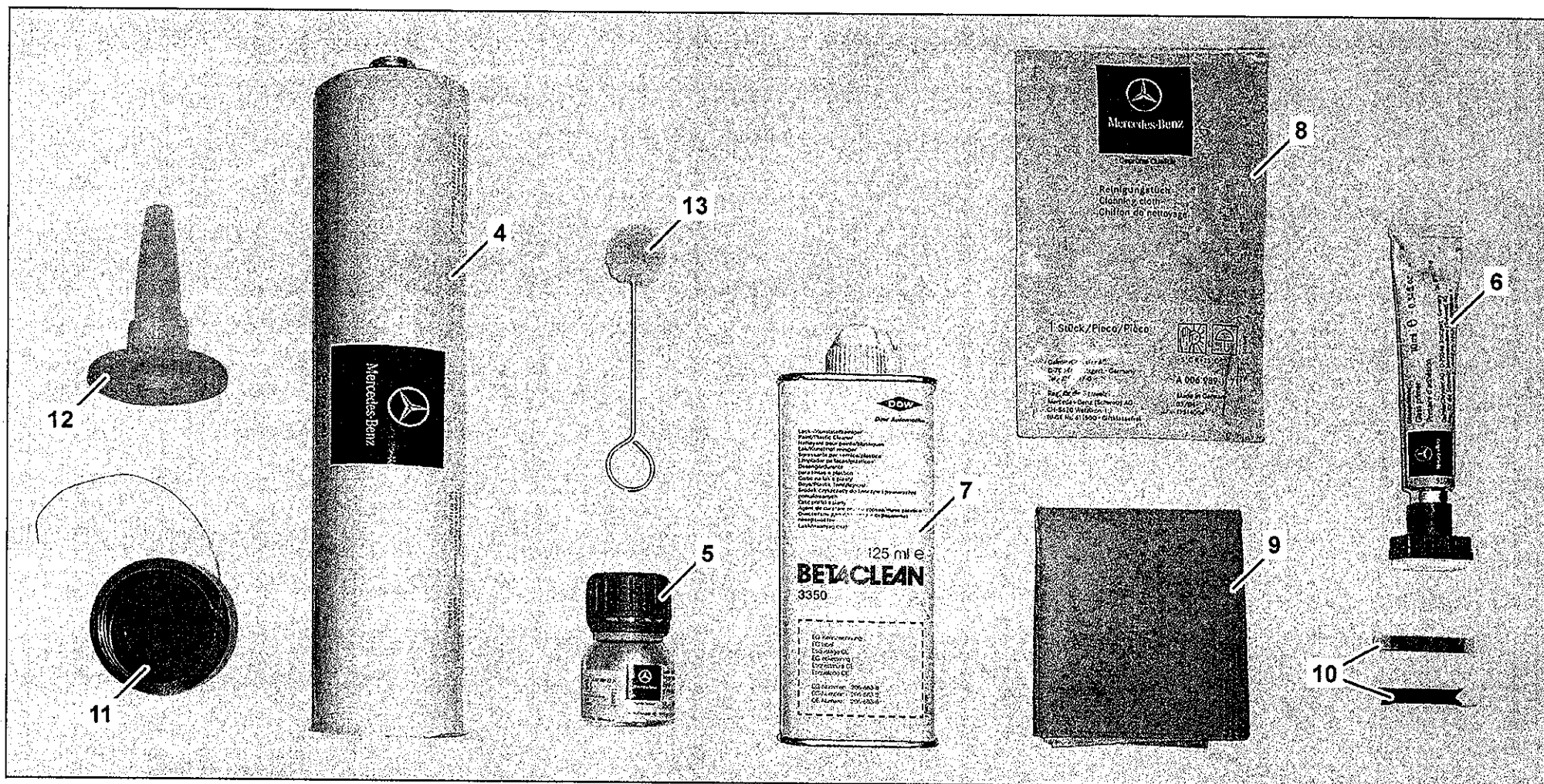
Designation	Note	Use
Plastic primer (5)	Recognizable by red plug; apply with wool wiper (13). ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Full roof (with code (E23) Full roof (FFO))
Primer stick (6)	PC primer ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Heptane cleaner 3350 (7)	Apply with cloth (9).	Cleaner for primer surface: ● Full roof (with code (E23) Full roof (FFO))
Cleaning cloth (8)	Cleaning cloth containing isopropanol and cleaning drying cloth	Cleaner for primer surface: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Cloth (9)	Color blue-green	For applying: ● Heptane cleaner 3350 (7)



Designation	Note	Use
Spacer (10)		Spacer (10) for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield
Cutting wire (11)	Cut out with cutting wire (11) and the two handles included in the window removal kit. Glass removal device http://gotis.aftersales.daimlerchrysler.com	To cut out: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment
Application nozzle (12)	i Nozzle tips are already cut to size.	Application of adhesive material in combination with adhesive cartridge (4)
Wool wiper (13)		Applying plastic primer (5)

AR65.10-P-5702-02KD

Prepare roof paneling for installation



P65.10-3254-09

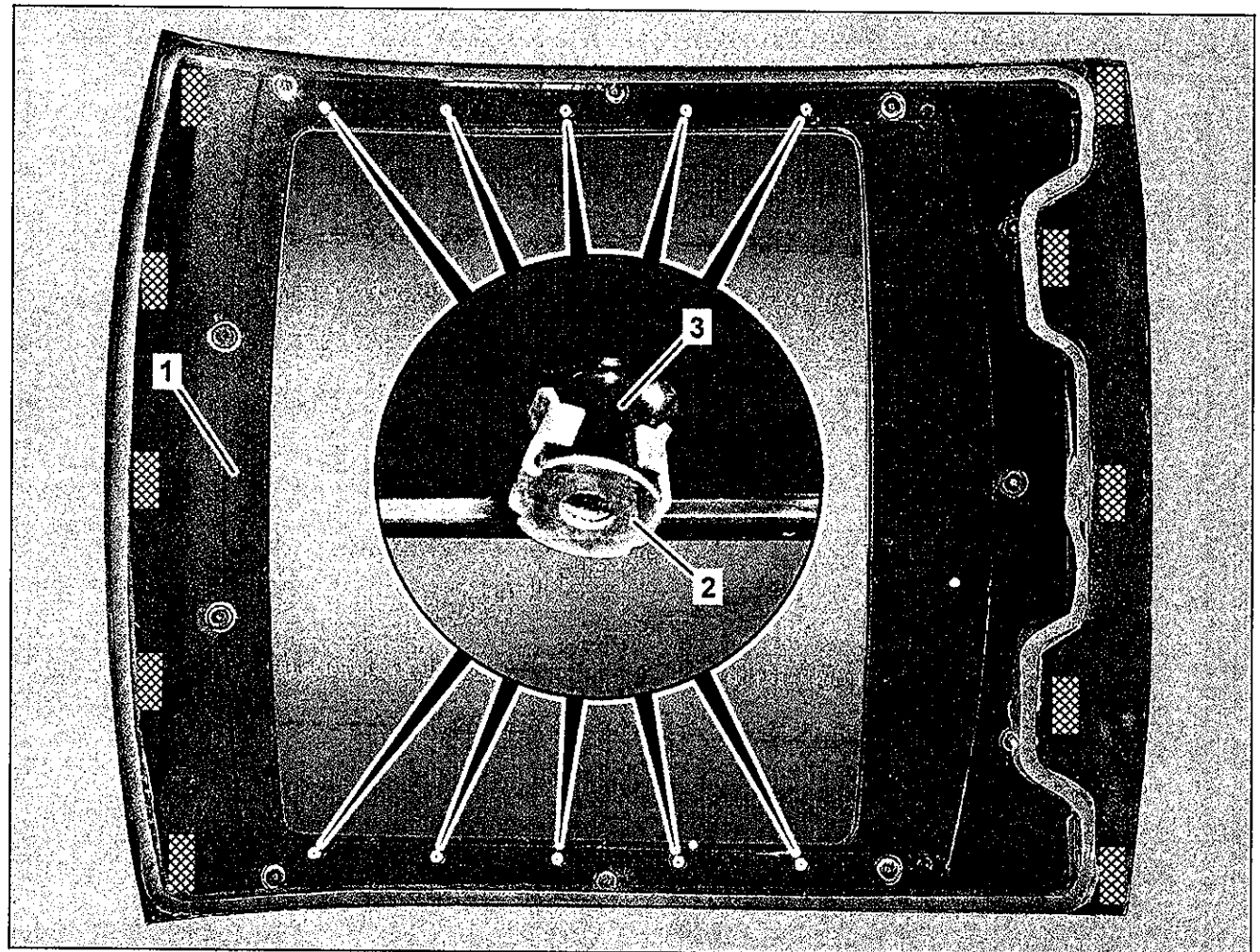
- 4 Adhesive cartridge
- 5 Plastic primer
- 6 Primer stick

- 7 Heptane cleaner 3350
- 8 Cleaning cloth
- 9 Cloth

- 10 Spacer
- 11 Cutting wire
- 12 Application nozzle
- 13 Wool wiper

ⓘ The bonded area on the roof paneling (1) must be absolutely free of dust and grease, otherwise the dirt can decrease the adhesive force of the adhesive material. Do not damage sprues, retaining bolts (3) or sealing paint on roof paneling (1), otherwise it is necessary to replace the roof paneling (1).

- 1 Check surface of roof paneling (1) for scratches and damage, replace if necessary.





- 2.1 Clean bonding area on roof paneling (1) with cleaning cloth from repair kit.

i When installing new roof paneling (1).

- 2.2 Cut off remaining adhesive material on roof paneling (1) down to maximum height of 2 mm using a scraper. Remove residual adhesive material.

! Cut back adhesive residues on window max. 15 minutes before applying new adhesive bead, because the adhesive material on the cutting surface reacts to the ambient air which can lead to adhesion problems.

i When reusing removed roof paneling (1).

- 5.1 Glue on spacers from repair kit to cross-hatched areas.

i When installing new roof paneling (1).
Remove upper adhesive foil on spacers only after fitting roof paneling (1).

- 3 Coat gluing area on roof paneling (1) with primer stick from repair kit.

i When installing new roof paneling (1).
Allow primer to flash off for at least 10 - 15 minutes.

- 4.1 Attach sheet metal nuts (2) to retaining bolts (3).

i When installing new roof paneling (1).

- 4.2 Check sheet metal nuts (2) for damage, replace if necessary.

i When reusing removed roof paneling (1).

- 5.2 Replace damaged spacers with new spacers from repair kit.

i When reusing removed roof paneling (1).
Remove upper adhesive foil on spacers only after fitting roof paneling (1).



AR65.10-P-5702-02KDE	Prepare roof paneling for installation		
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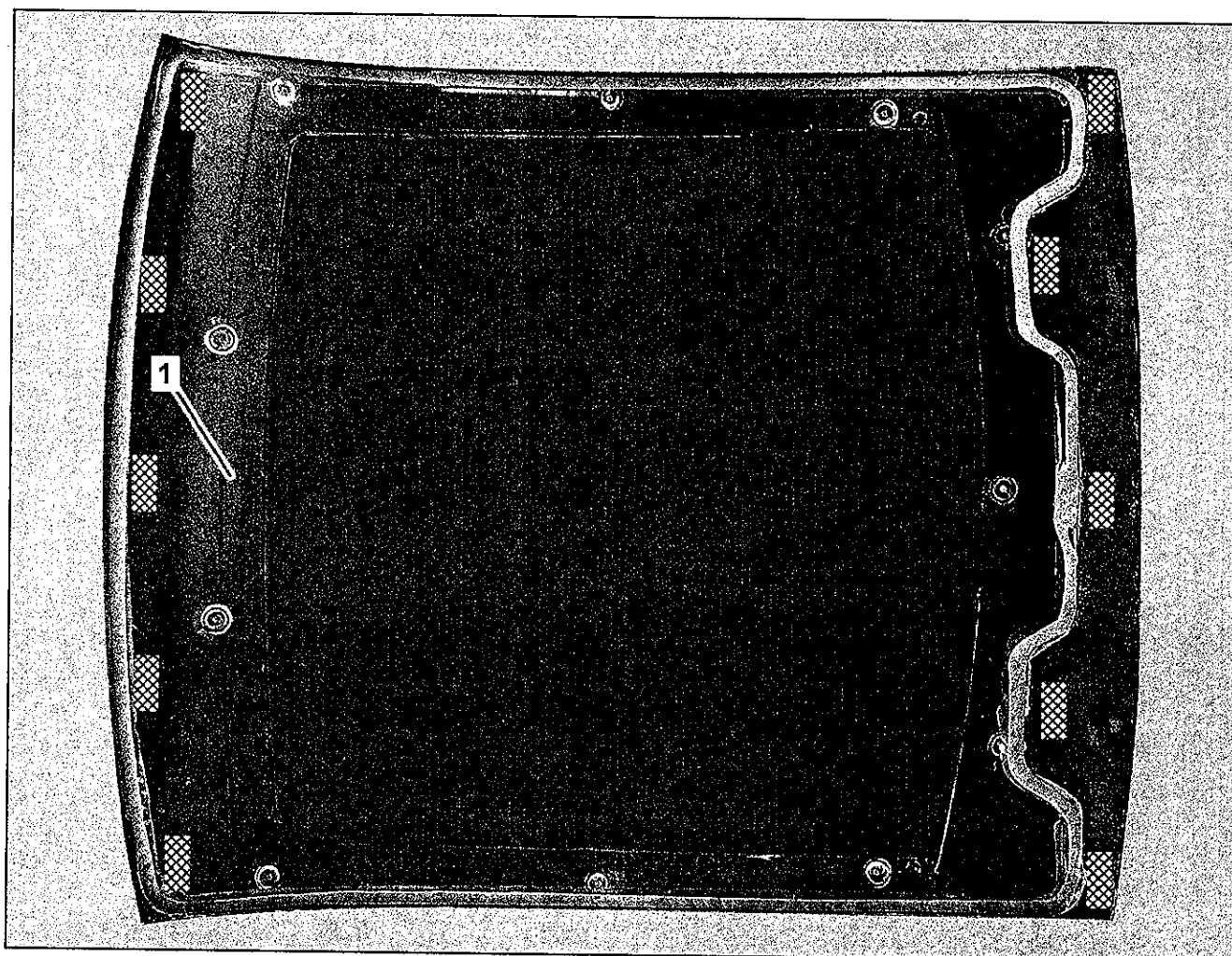
- 4 Adhesive cartridge
- 5 Plastic primer
- 6 Primer stick

- 7 Heptane cleaner 3350
- 8 Cleaning cloth
- 9 Cloth

- 10 Spacer
- 11 Cutting wire
- 12 Application nozzle
- 13 Wool wiper

ⓘ The bonded area on the roof paneling (1) must be absolutely free of dust and grease, otherwise the dirt can decrease the adhesive force of the adhesive material.

- 1 Check roof paneling (1) for scratches and damage, replace if necessary.



2.1 Cut off remaining adhesive material on roof paneling (1) down to maximum height of 2 mm using a scraper. Remove residual adhesive material.

 Cut back adhesive residues on window max. 15 minutes before applying new adhesive bead, because the adhesive material on the cutting surface reacts to the ambient air which can lead to adhesion problems.

 When reusing removed roof paneling (1).

2.2 Clean bonded area on roof paneling (1) with heptane cleaner 3350 included in repair kit.

 When installing new roof paneling (1).
Use cloth included in repair kit for applying heptane cleaner 3350.

4.1 Replace damaged spacers with new spacers from repair kit.

 When reusing removed roof paneling (1).
Remove upper adhesive foil of new spacers only after fitting roof paneling (1).

3.1 Repair damaged primer layer on roof paneling (1) with plastic primer (red plug) included in repair kit.

 When reusing removed roof paneling (1).
Allow primer to flash off for at least 10 - 15 minutes.

3.2 Coat bonded area on roof paneling (1) with plastic primer (red plug) included in repair kit.

 When installing new roof paneling (1).
Use wool wiper included in repair kit to coat.
Allow primer to flash off for at least 10 - 15 minutes.

4.2 Glue on spacers from repair kit to cross-hatched areas.

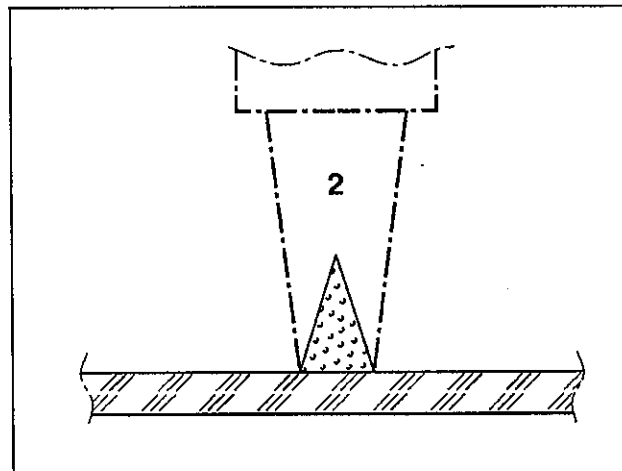
 When installing new roof paneling (1).
Remove upper adhesive foil of new spacers only after fitting roof paneling (1).

AR65.10-P-5702-05KD

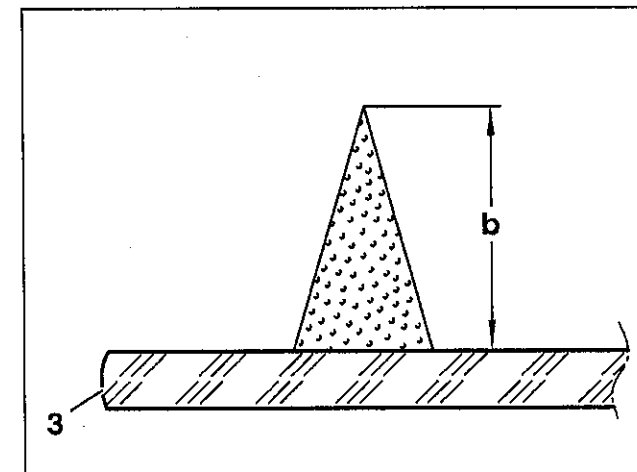
Apply adhesive material

③ Install roof paneling (3) on body flange within 2 minutes after applying adhesive material, to prevent adhesion problems of the adhesive material.

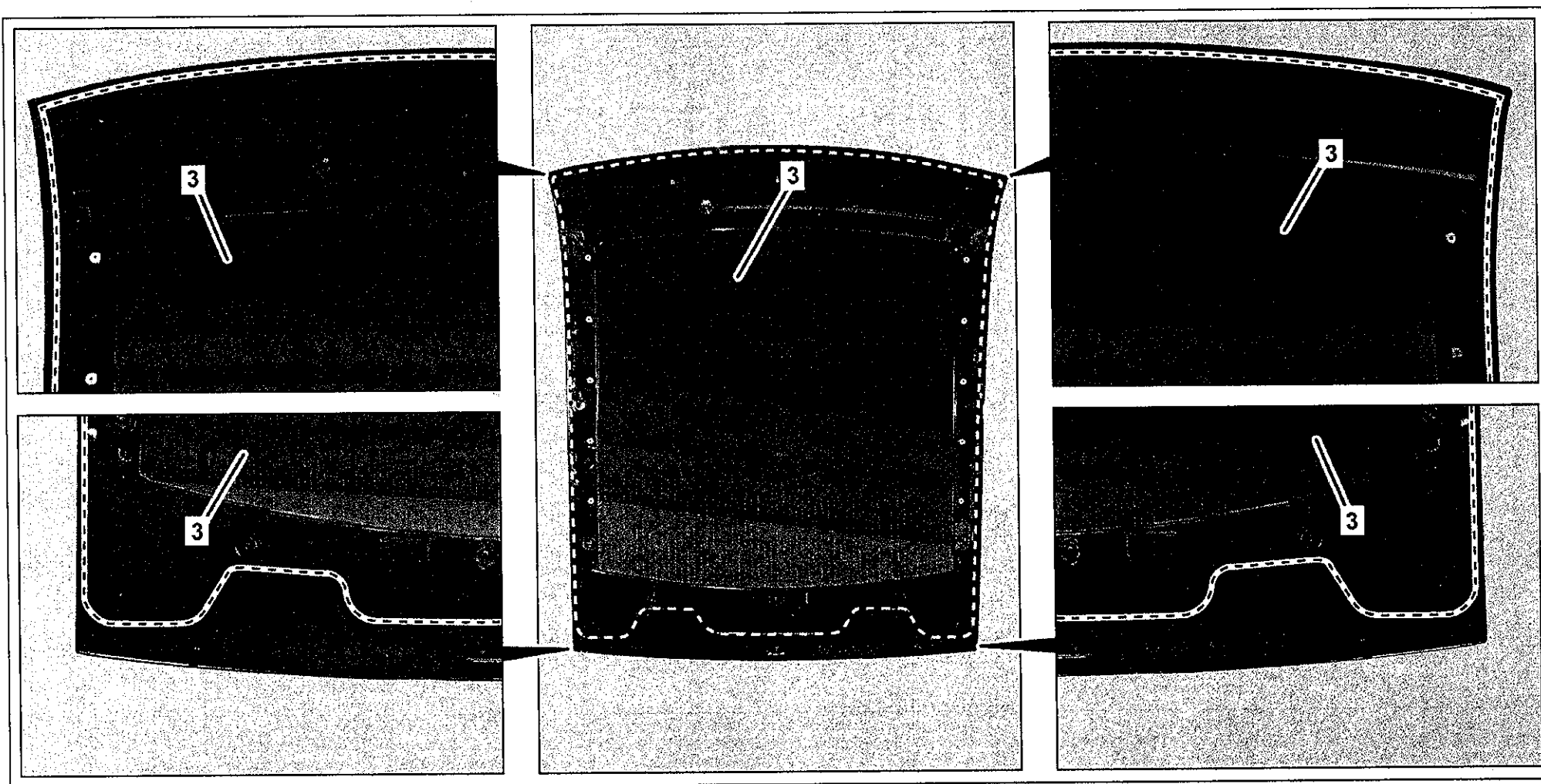
i Durability is achieved after approx. 2 h measured from the time the roof paneling (3) is installed. The rated accident strength is achieved only after approx. 8 h. Uniformly apply adhesive material with application nozzle (2) in shape of a bead at a height (b) of approx. 12 mm and a width of approx. 8 mm.



N67.20-2000-01



P67.10-2179-01



Shown with paneling with code (E22) Glass roof (FFO)

- 1 Guide application nozzle along cast-on line (broken line) on roof paneling (3) and apply adhesive material.

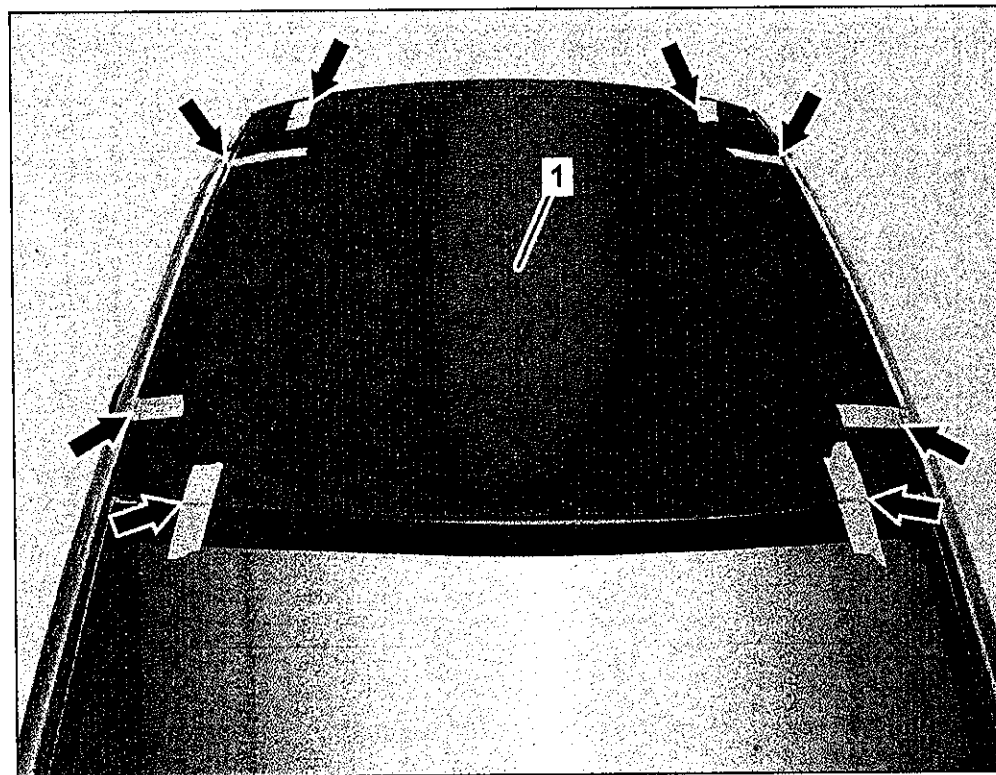
ⓘ The distance of the adhesive material to the front of the roof paneling (3) should be 10 mm to prevent leakage. The distance between the adhesive material and the side edge of the roof paneling (3) should be 2 mm.

i Completely press out adhesive material not required immediately following application (disposal).

AR65.10-P-5702-03KD

Install roof paneling

- 1 Center roof paneling (1) above body opening with aid of helper and position on adhesive strips (arrows) to coincide.
- 2 Install roof paneling (1) on body flange.

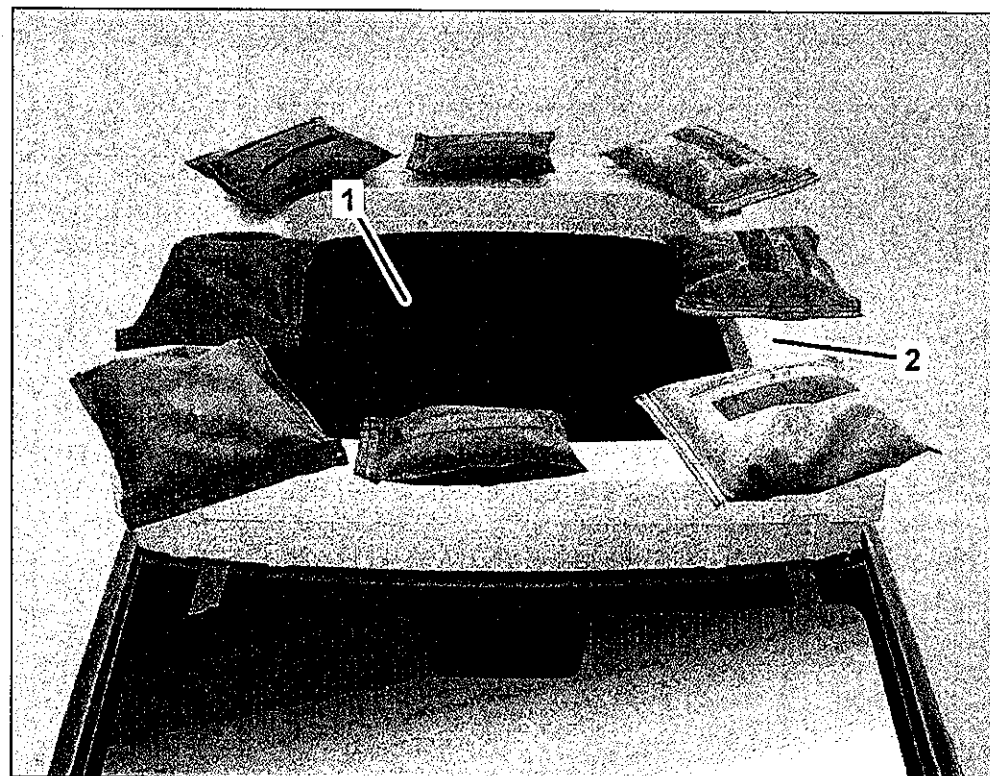


P65.10-3251-11

3 Apply uniform pressure to roof paneling (1) with adhesive template (2) and sandbags until adhesive material is cured.

ⓘ The gross weight of the sandbags should be approx. 40 kg and should be distributed equally on the adhesive template (2) to prevent adhesion problems of the adhesive material and slipping of the adhesive template (2). Place sandbags in center first, then at rear and then at front.

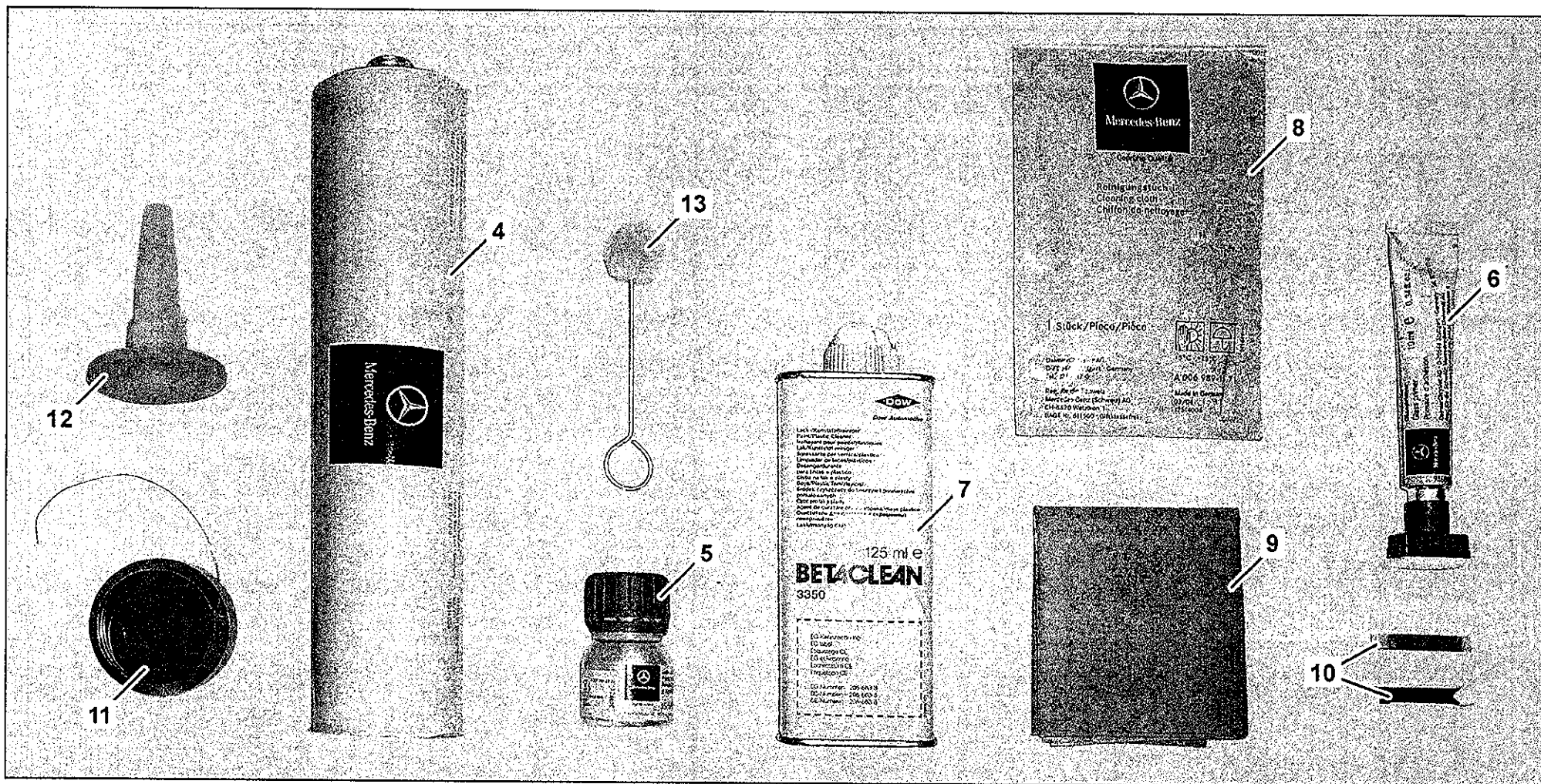
ⓘ Adhesive template (2) is included in new part package. Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h.



P65.10-3252-11



AH67.10-P-1000-01KD

Notes on removal/installation of
windshield

4	Adhesive cartridge	7	Heptane cleaner 3350	10	Spacer
5	Plastic primer	8	Cleaning cloth	11	Cutting wire
6	Primer stick	9	Cloth	12	Application nozzle
				13	Wool wiper

 Use individual components as described in table below.
 Deviation is not permissible, otherwise adhesive force of bonded connection is not ensured.
 Allow primer to flash off for at least 10 minutes, but not for more than 15 minutes.

The crank window in the driver door must be opened during the curing time to prevent the component glued in from being pressed out by the air when the doors are closed. Avoid to open and close doors.

Designation	Note	Use
Adhesive cartridge (4)	Hot application: ● Short processing time ● Durability is achieved after approx. 2 h measured from the time the roof paneling is installed. The rated accident strength is achieved only after approx. 8 h.  The adhesive cartridge (4) is heated in cartridge heater. Cartridge heater http://gotis.aftersales.daimlerchrysler.com	Adhesive material for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment

Designation	Note	Use
Plastic primer (5)	Recognizable by red plug; apply with wool wiper (13). ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Full roof (with code (E23) Full roof (FFO))
Primer stick (6)	PC primer ⚠ Allow primer to flash off for at least 10 - 15 minutes, otherwise the adhesive force of the glue starts to decrease.	Primer for: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Heptane cleaner 3350 (7)	Apply with cloth (9).	Cleaner for primer surface: ● Full roof (with code (E23) Full roof (FFO))
Cleaning cloth (8)	Cleaning cloth containing isopropanol and cleaning drying cloth	Cleaner for primer surface: ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment ● Body flange
Cloth (9)	Color blue-green	For applying: ● Heptane cleaner 3350 (7)



Designation	Note	Use
Spacer (10)		Spacer (10) for: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield
Cutting wire (11)	Cut out with cutting wire (11) and the two handles included in the window removal kit. Glass removal device http://gotis aftersales.daimlerchrysler.com	To cut out: ● Full roof (with code (E23) Full roof (FFO)) ● Glass roof (with code (E22) Glass roof (FFO)) ● Windshield ● Firewall segment
Application nozzle (12)	 Nozzle tips are already cut to size.	Application of adhesive material in combination with adhesive cartridge (4)
Wool wiper (13)		Applying plastic primer (5)

AR67.10-P-1000-04KD

Align windshield in body opening

- 1 Lay windshield (1) down on spacers on body flange, align windshield (1) at top and center at side.

Cup suction tool

<http://gotis.aftersales.mercedes-benz.com>

 Aid of helper required.

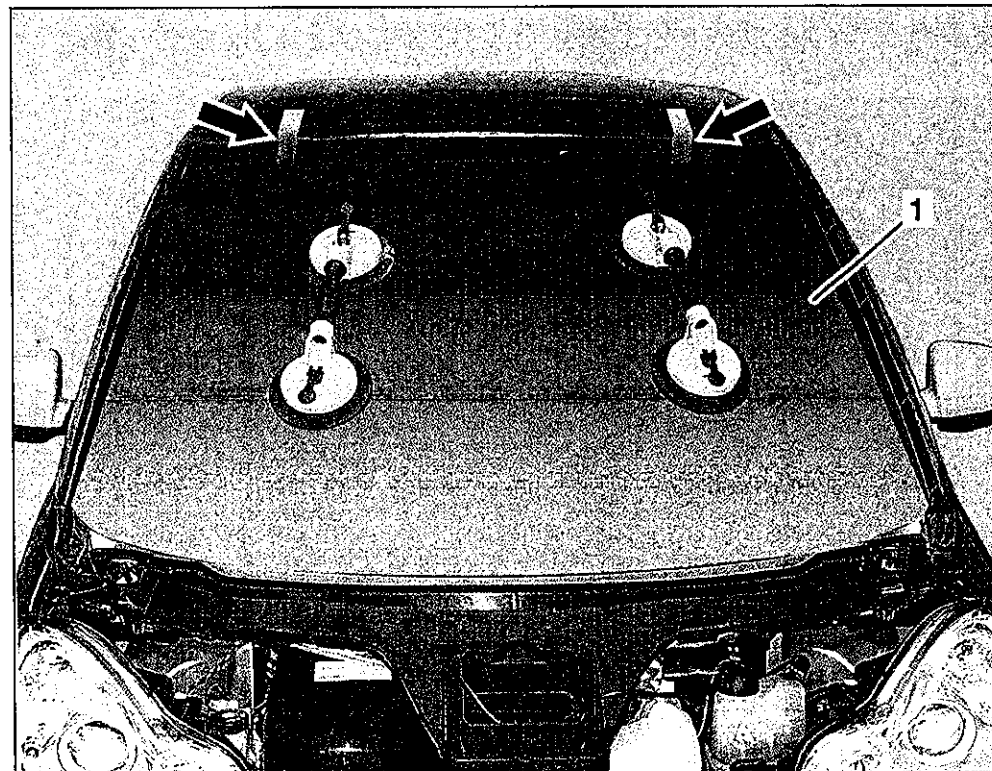
- 2 Attach suitable strips of adhesive tape (arrows) and cut at upper edge on windshield (1).

- 3 Remove windshield (1) from body flange

Cup suction tool

<http://gotis.aftersales.mercedes-benz.com>

 Aid of helper required.



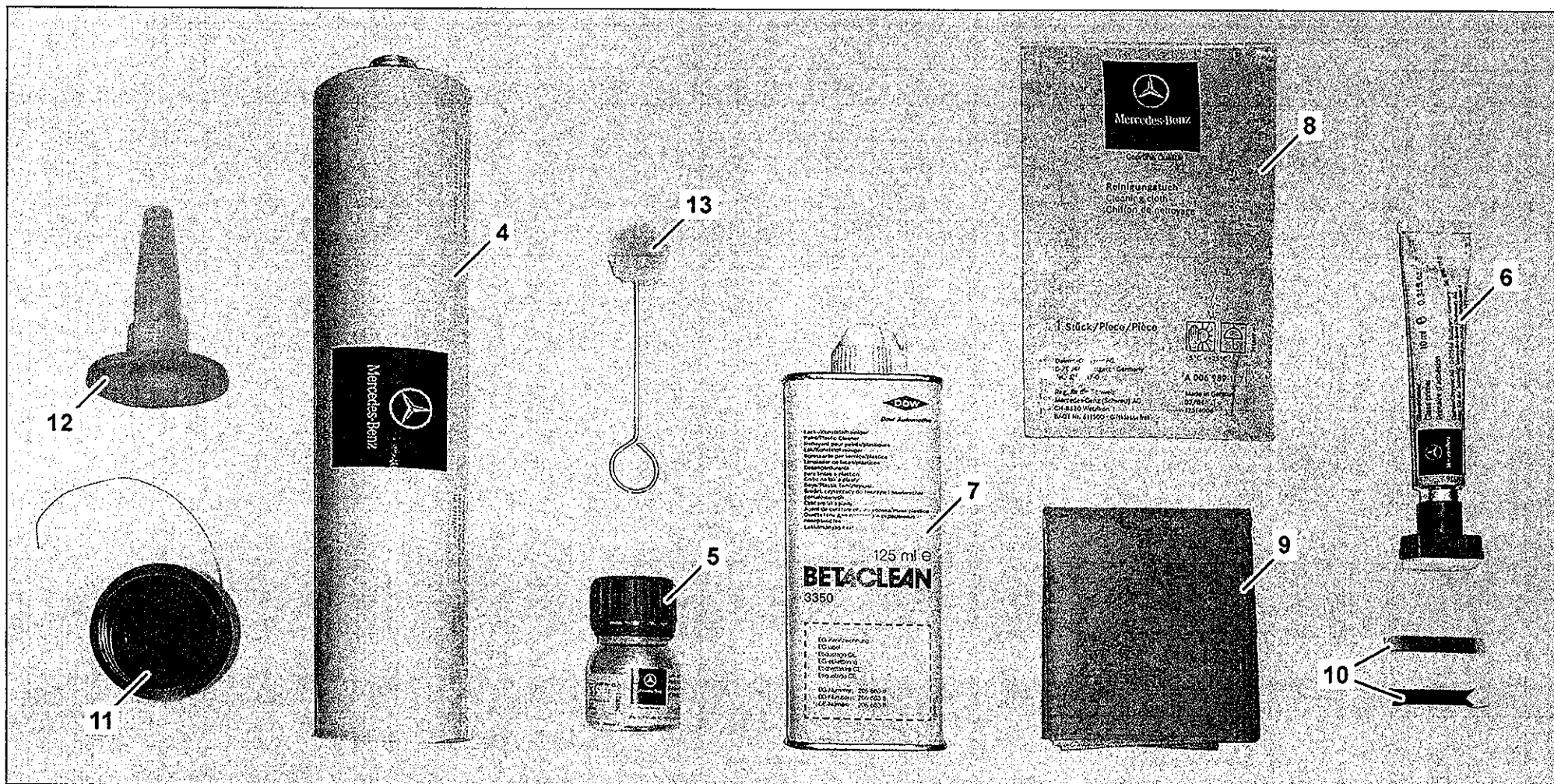
P67.10-2303-11



AR67.10-P-1000-03KD	Prepare window for glazing		
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Auxiliary repair materials

Number	Designation	Order number
BR00.45-Z-1012-02B	TS adhesive	A 009 989 92 71



P65.10-3254-09

- 4 Adhesive cartridge
- 5 Plastic primer
- 6 Primer stick

- 7 Heptane cleaner 3350
- 8 Cleaning cloth
- 9 Cloth

- 10 Spacer
- 11 Cutting wire
- 12 Application nozzle
- 13 Wool wiper



⚠ The gluing area on the window must be absolutely free of dust and grease, flaws can lead to adhesion problems of the adhesive when glazing.

1 Check surface of window for scratches and damage; replace if necessary.

2.1 Cut off residual adhesive material of window with scraper down to a height of approx. 2 mm. Remove residual adhesive material.

⚠ Cut back adhesive residues on window max. 15 minutes before applying new adhesive bead, because the adhesive material on the cutting surface reacts to the ambient air which can lead to adhesion problems.

i When reinstalling removed window.

3.1 Repair damaged primer layer on window with primer stick (6) from repair kit.

i When reinstalling removed window.
Allow primer to flash off for at least 10 - 15 minutes.

2.2 Clean gluing area on window with cleaning rag (8) from repair kit.

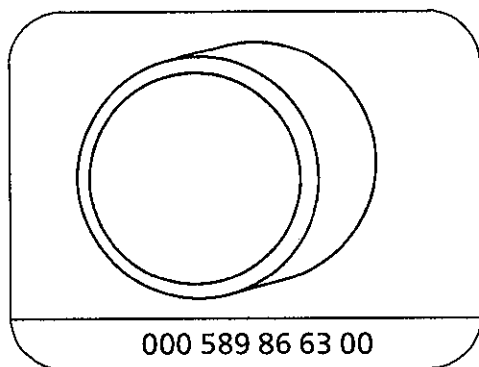
i When installing a new window.

3.2 Coat gluing area on window with primer stick (6) included in repair kit (with max. 20 mm).

i When installing a new window.
Allow primer to flash off for at least 10 - 15 minutes.
Windshields are generally delivered with a viewing window on the bottom left. If the viewing window is not required, coat this area on the inside of the window with primer stick (6).



AR67.10-P-1000-08KD	Apply adhesive material		
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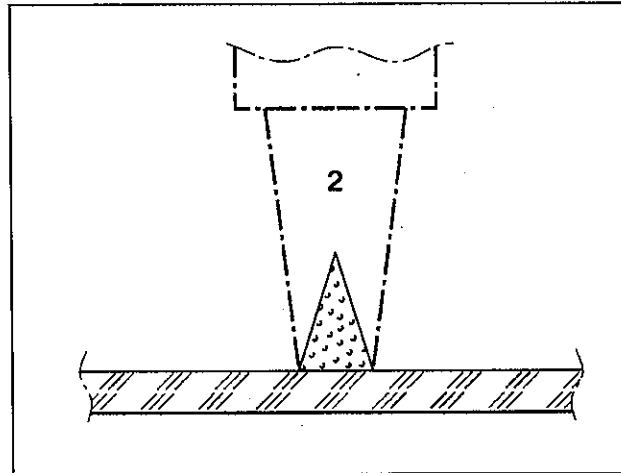
Intermediate piece

Auxiliary repair materials

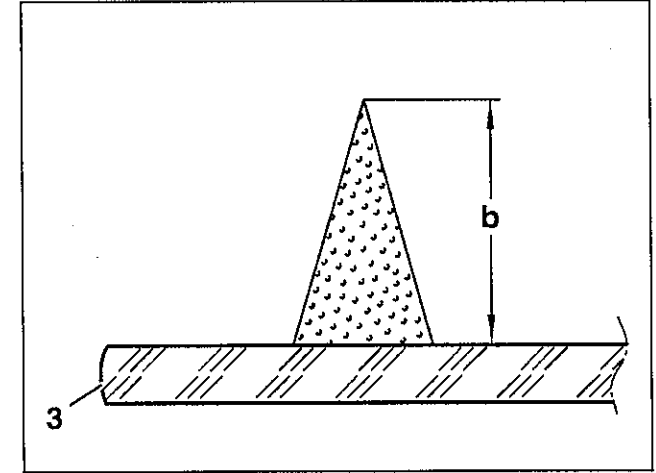
Number	Designation	Order number
BR00.45-Z-1012-02B	TS adhesive	A 009 989 92 71

⚠️ Install windshield (3) on body flange within 2 minutes after applying adhesive material, to prevent adhesion problems of the adhesive material.

i Durability is achieved after approx. 2 h measured from the time the windshield (3) is installed. The rated accident strength is achieved only after approx. 8 h.



N67.20-2000-01



P67.10-2179-01

- 1 Guide nozzle (2) along bonding surface on windshield (3) or along residual adhesive material on body flange and uniformly apply adhesive material in shape of a bead with a height (b) of approx. 12 mm and a width of approx. 8 mm.

Cartridge gun

<http://gotis.aftersales.mercedes-benz.com>

i Completely press out adhesive material not required immediately after application (disposal).



AR67.10-P-1503-01KD

Install windshield

- 1 Center windshield (1) above body opening and position to coincide with strips of adhesive tape (arrows).

Cup suction tool

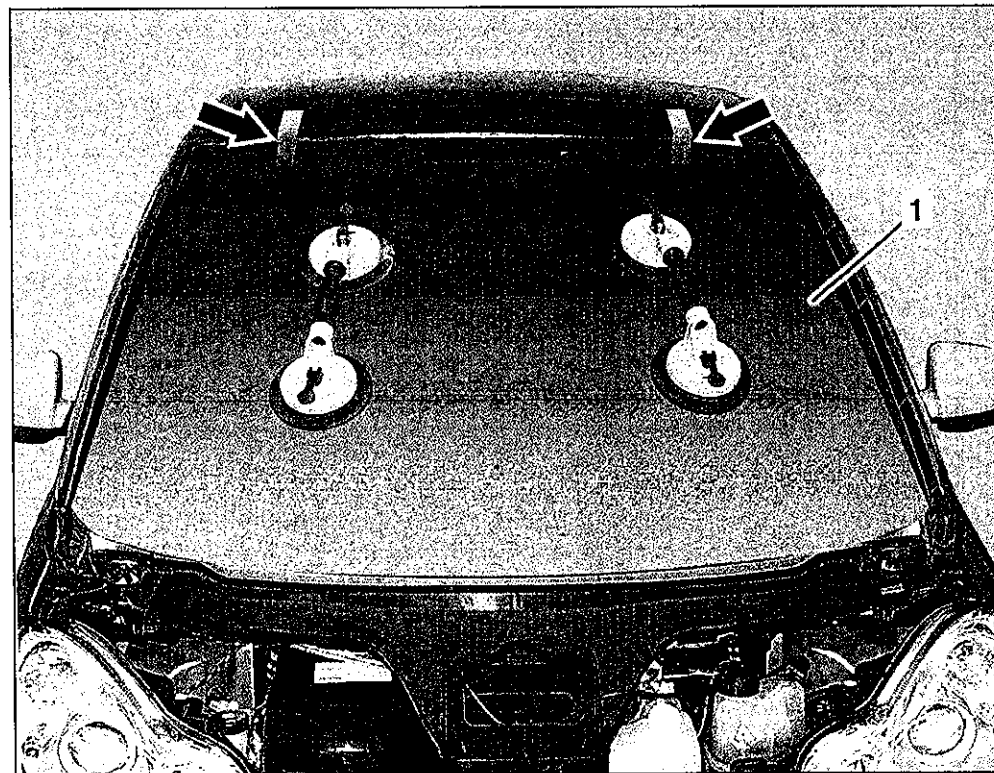
<http://gotis.aftersales.mercedes-benz.com>

i Helper required.

- 2 Position windshield (1) on body flange and press on until it makes contact with spacers. Then fix in place with suitable adhesive tape.

i The curing time is approx. 2 h measured from the time the windshield (1) is installed. The rated accident strength is achieved only after approx. 8 h.

Shown on model 451.3



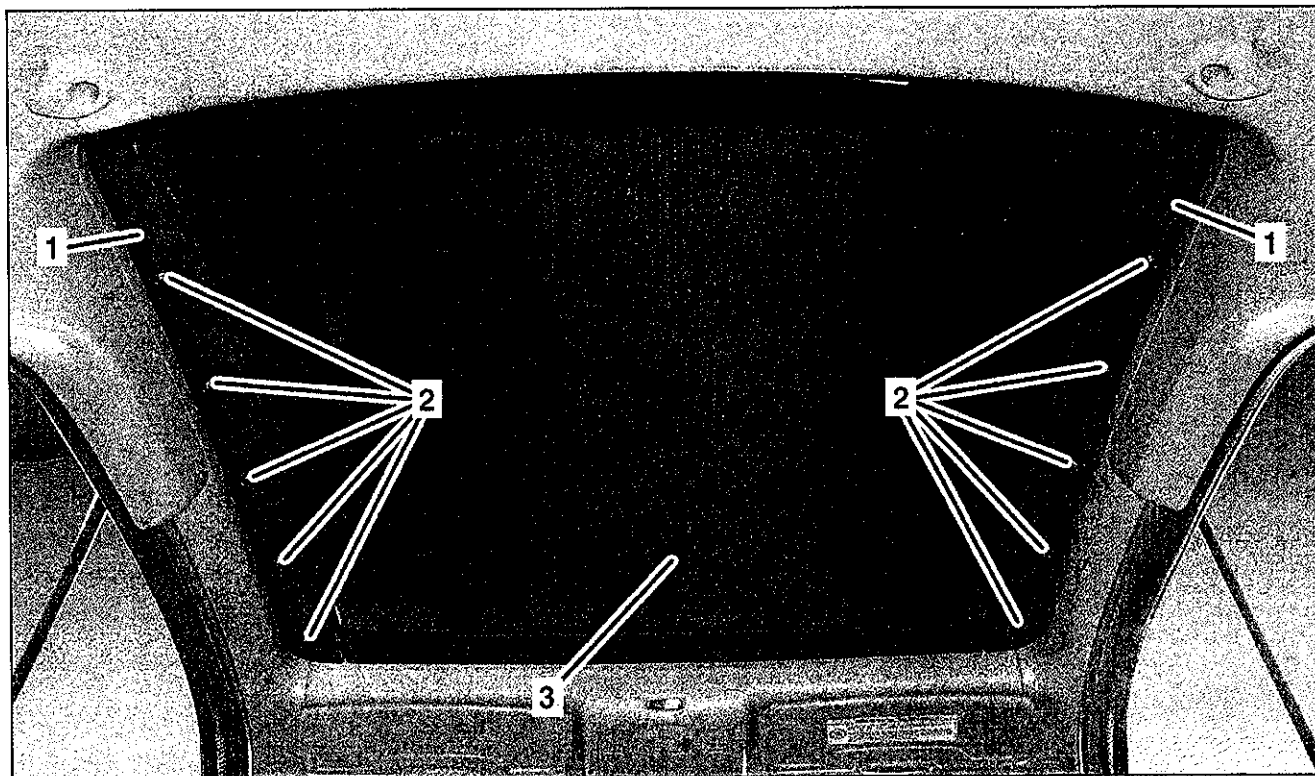
P67.10-2303-11

AR77.21-P-0205KD

Remove/install roller sun blind on panoramic sunroof

3.8.08

- 1 Guide rail
- 2 Bolts
- 3 Roller sun blind



P77.21-2185-05

	Remove/install		
1	Adjust left and right seat toward rear.		

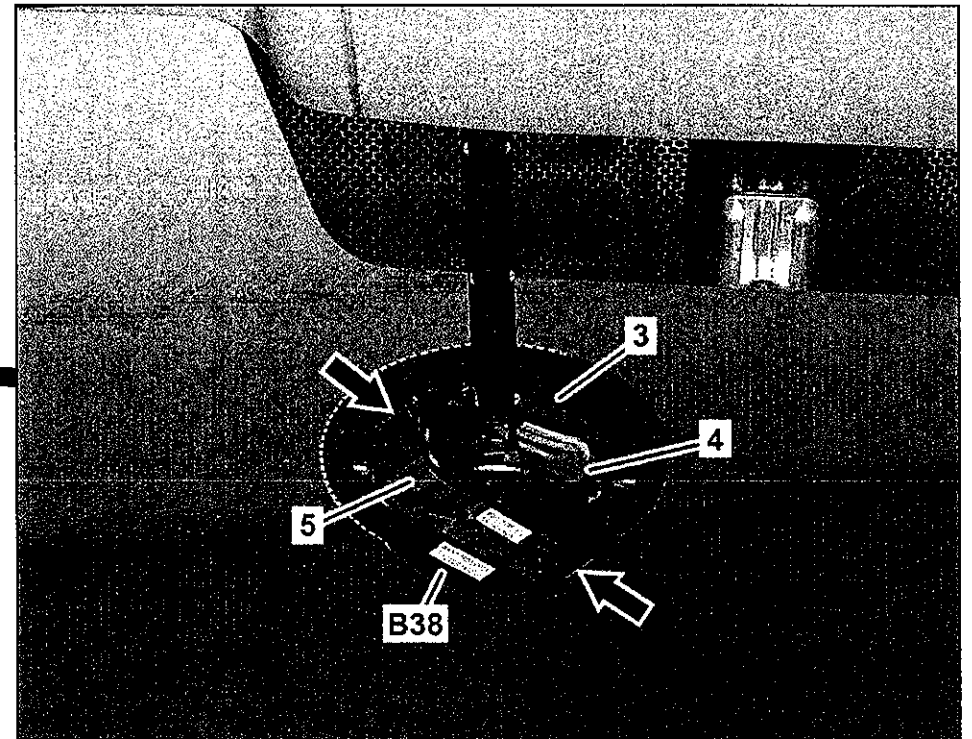
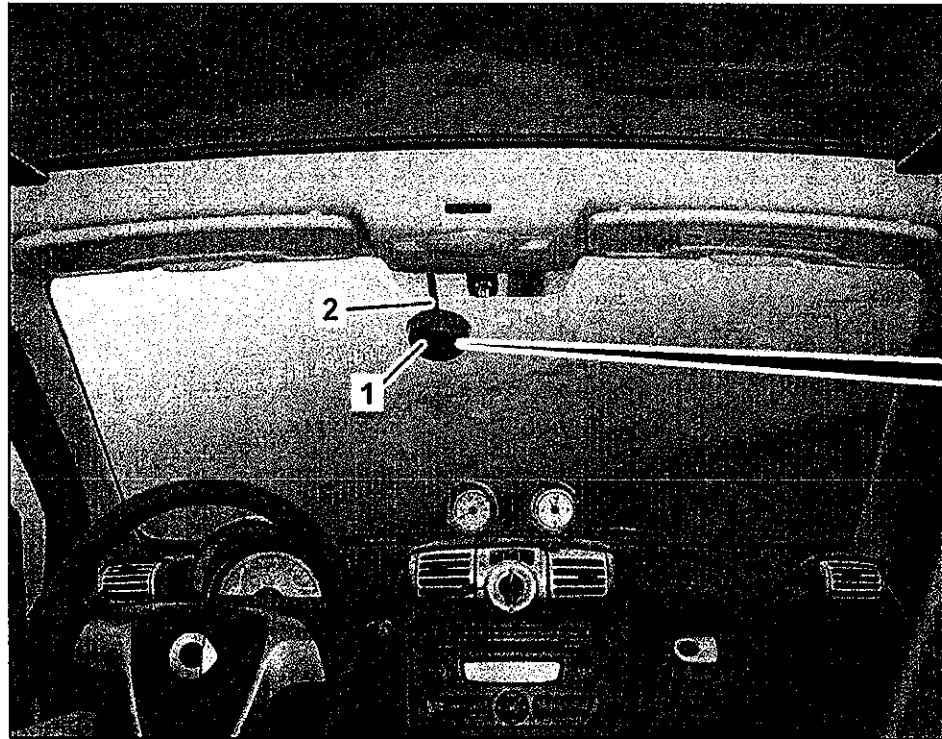


2	Close roller sun blind (3)	 The roller sun blind (3) should be in the closed position to prevent damage when removing.	
3	Remove bolts (2) from left and right guide rails (1)	 Installation: Tighten bolts (2) in a cross pattern. Start with center bolts (2). 	2 Nm
4	Grab roller sun blind (3) at guide rails (1) and remove from vehicle with aid of helper	 When removing roller sun blinds (3), ensure that they do not roll up, otherwise they might be damaged and will have to be replaced.	
5	Install in the reverse order		

AR82.30-P-7800KD

Remove/install rain/light sensor

4.8.08



P82.30-2792-08

1 Cover
2 Cable retainer

3 Retaining ring
4 Electrical connector

5 Retaining clamp

B38 Rain sensor/light sensor

	Remove		
1	Unclip cover (1) from the retaining collar (3) and detach cable routing (2) out of the cover (1)	 Carefully unclip cover (1) to prevent the retaining clips from breaking.	
2	Disconnect electrical connector (4)		
3	Unclip retaining clip (5) for rain sensor/light sensor (B38) at retaining collar (3) (arrows)		
4	Remove rain sensor/light sensor (B38) from the retaining collar (3)	 The rain sensor/light sensor (B38) must always be replaced after removing from the windshield.	
	Install		
5.1	Remove protective cap from retaining collar (3)	With new windshields.  With new windshields the contact surface of the rain sensor/light sensor (B38) is protected from dirt with a protective cap. The protective cap is clipped into the retaining collar (3)	
5.2	Clean contact surface of rain sensor/light sensor (B38) on windshield	Only if the windshield was not protected from dirt by a protective cap.  The contact surface must be clean and free of grease.	

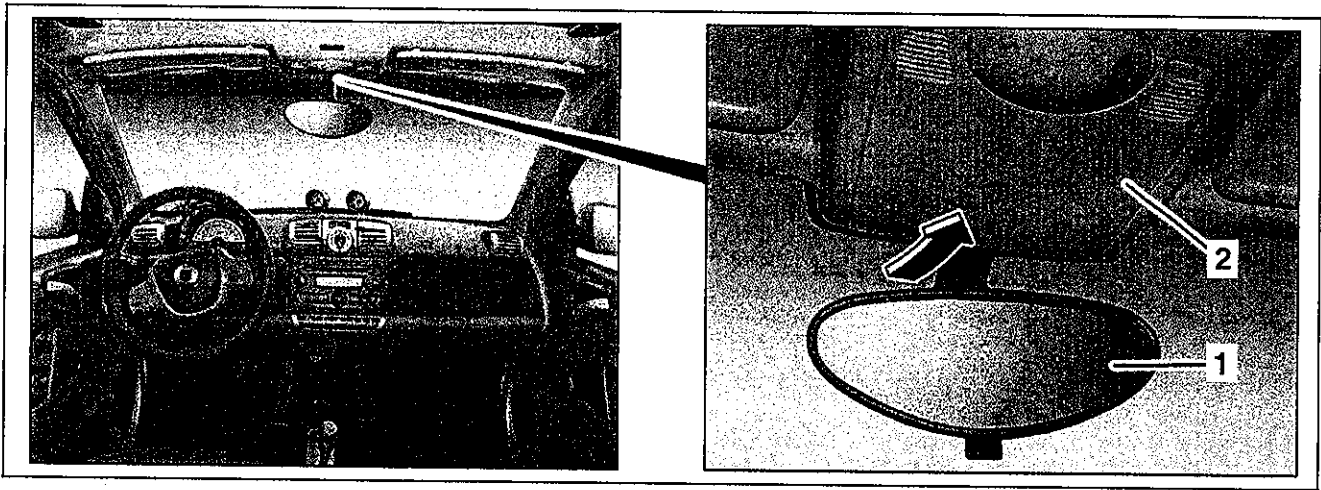
6	Carefully pull off protective foil from new rain sensor/light sensor (B38)	⚠ If the silicone pad on the optics of the rain sensor/light sensor (B38) is damaged or dirty, this must be replaced.	
7	Insert rain sensor/light sensor (B38) into the retaining collar (3)	⚠ The contact surfaces of the rain sensor/light sensor (B38) must not be damaged or dirty, as this will result in the rain sensor/light sensor (B38) being unusable.	
8	Clip in retaining clip (5) for rain sensor/light sensor (B38) at retaining collar (3) (arrows)		
9	Insert cable routing (2) into cover (1)		
10	Connect electrical connector (4)		
11	Clip cover (1) into retaining collar (3)	⚠ Carefully clip in cover (1) to prevent the retaining clips from breaking.	
12	Carry out function check		

AR68.40-P-0001KD

Remove/install inside rearview mirror

3.8.08

- 1 Inside rearview mirror
- 2 Front headliner



P68.40-2126-04

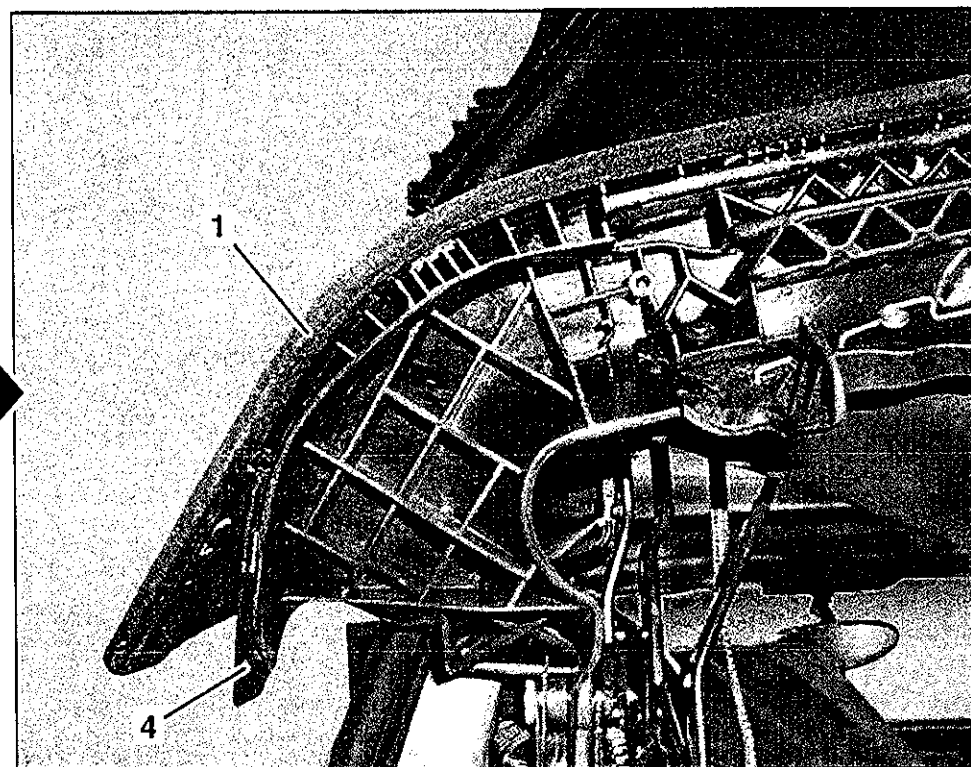
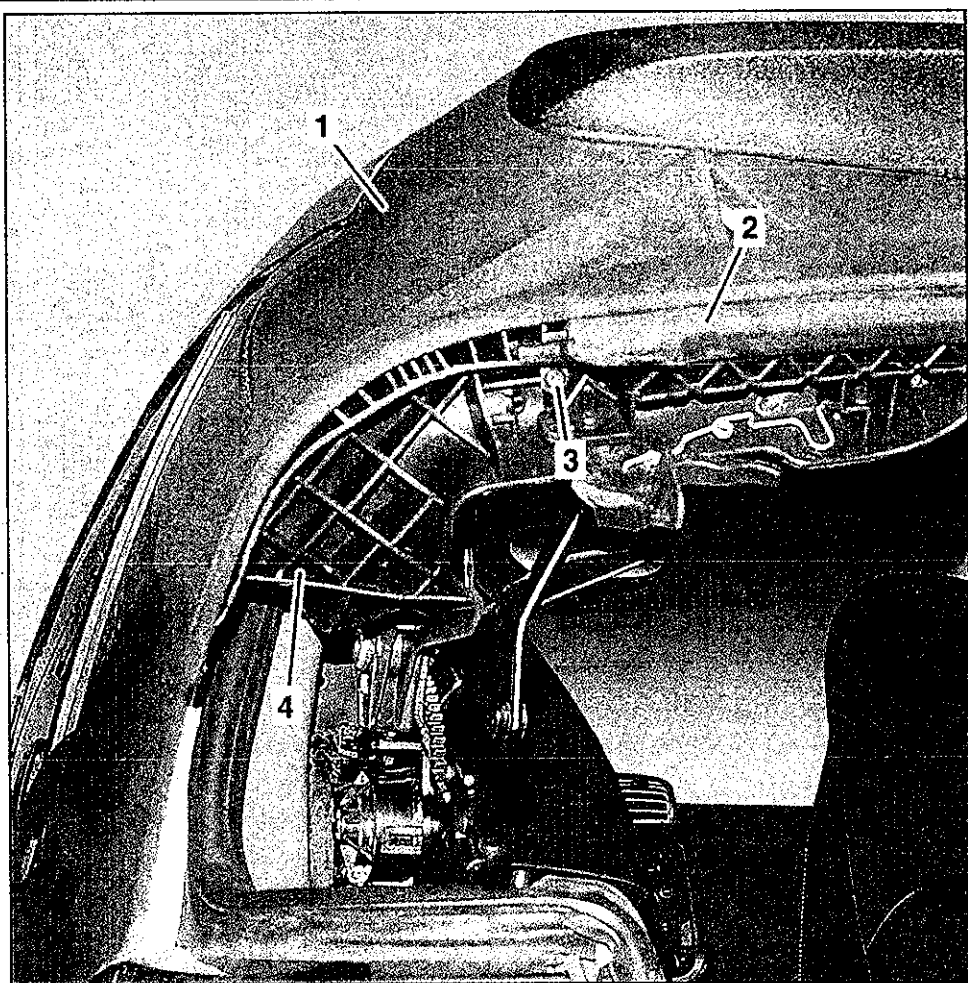
	Remove/install		
1	Carefully slide inside rearview mirror (1) upward in direction of arrow and remove.	⚠ Ensure that the front headliner (2) is not scratched when folding inside rearview mirror (1) in/out; otherwise, it must be replaced.	
2	Install in the reverse order		



AR77.30-P-1151KD

Remove/install rear soft top retaining clip

3.8.08

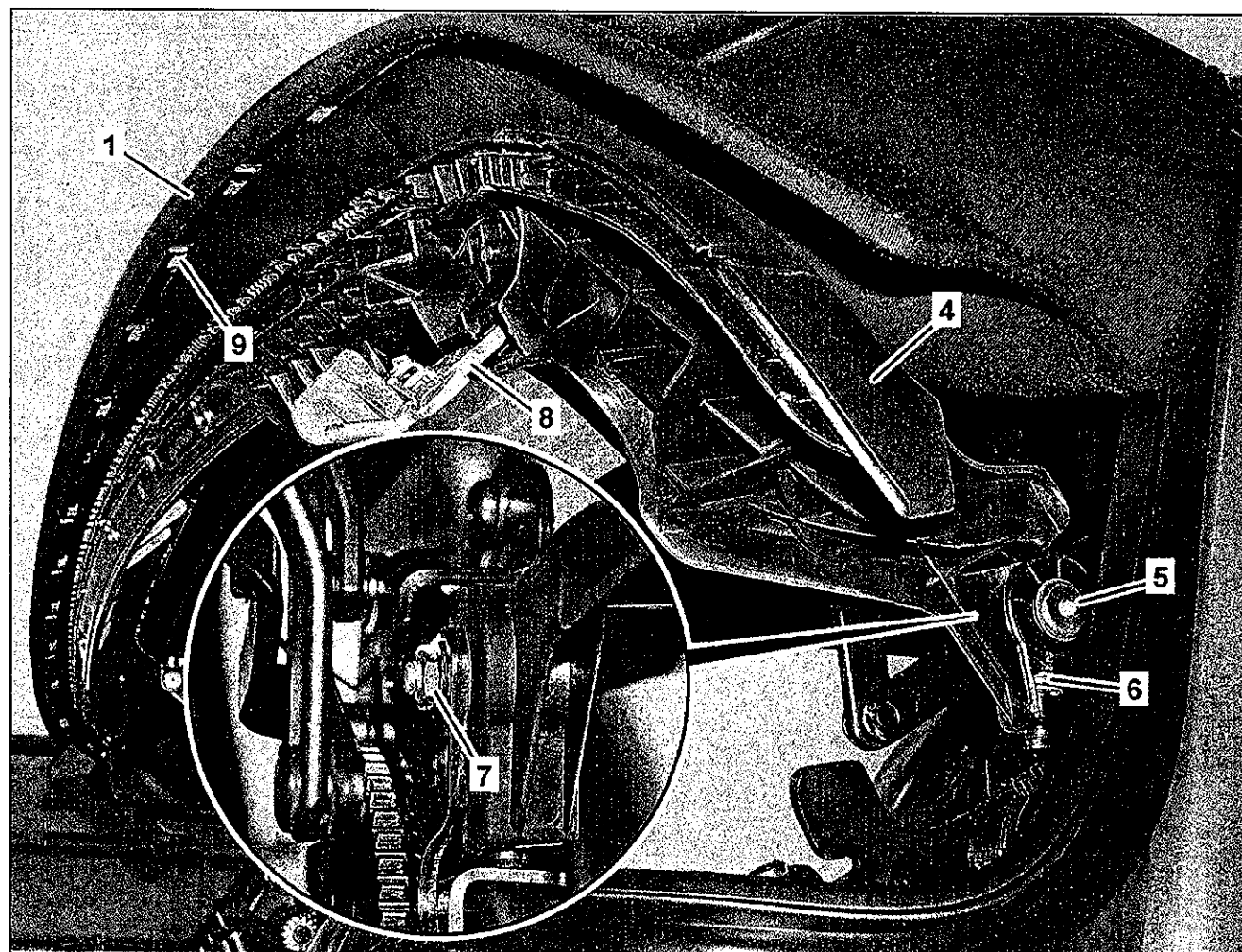


- 1 Rear soft top
- 2 Seal

- 3 Bolt

- 4 Retaining clamp

- 1 Rear soft top
- 4 Retaining clamp
- 5 Bolt
- 6 Locking bolt
- 7 Nut
- 8 Notch lever
- 9 Clamp



P77.30-2405-06



Remove/install

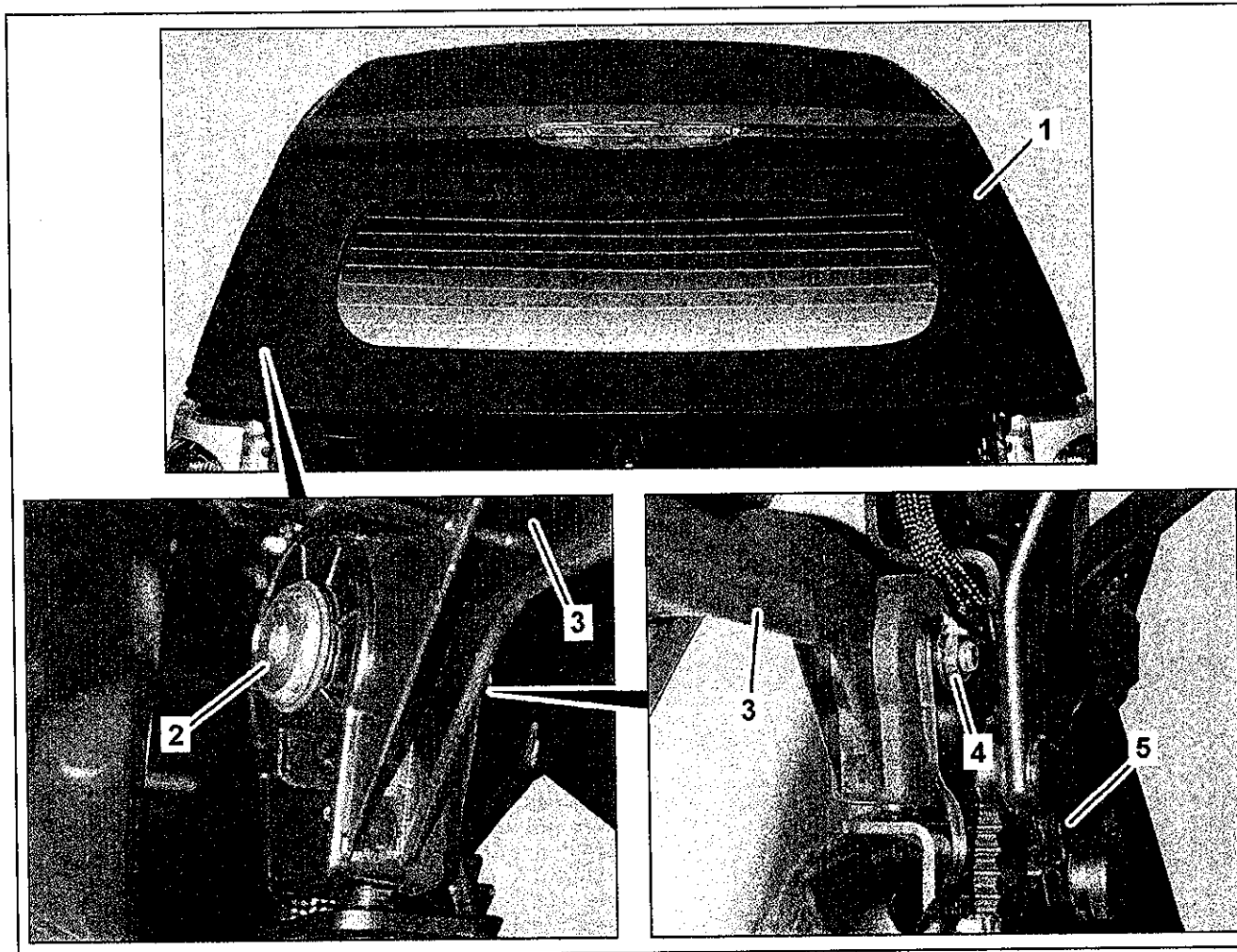


1	Fold up retaining clip (4), unscrew bolts (3) and pull seal (2) out of retaining clip (4).		
2	Unhook rear soft top (1) from retaining clip (4), from outside toward inside.		
3	Remove clips (9) remaining in retaining clip (4) using suitable tool.	i Installation: Insert clips (9) into hooking lug on rear soft top (1).	
4	Unscrew bolts (5) and remove retaining clip (4).		
5	Install in the reverse order		
6	Perform a function test		

AR77.30-P-1151-01KD

Adjust rear soft top retaining clip

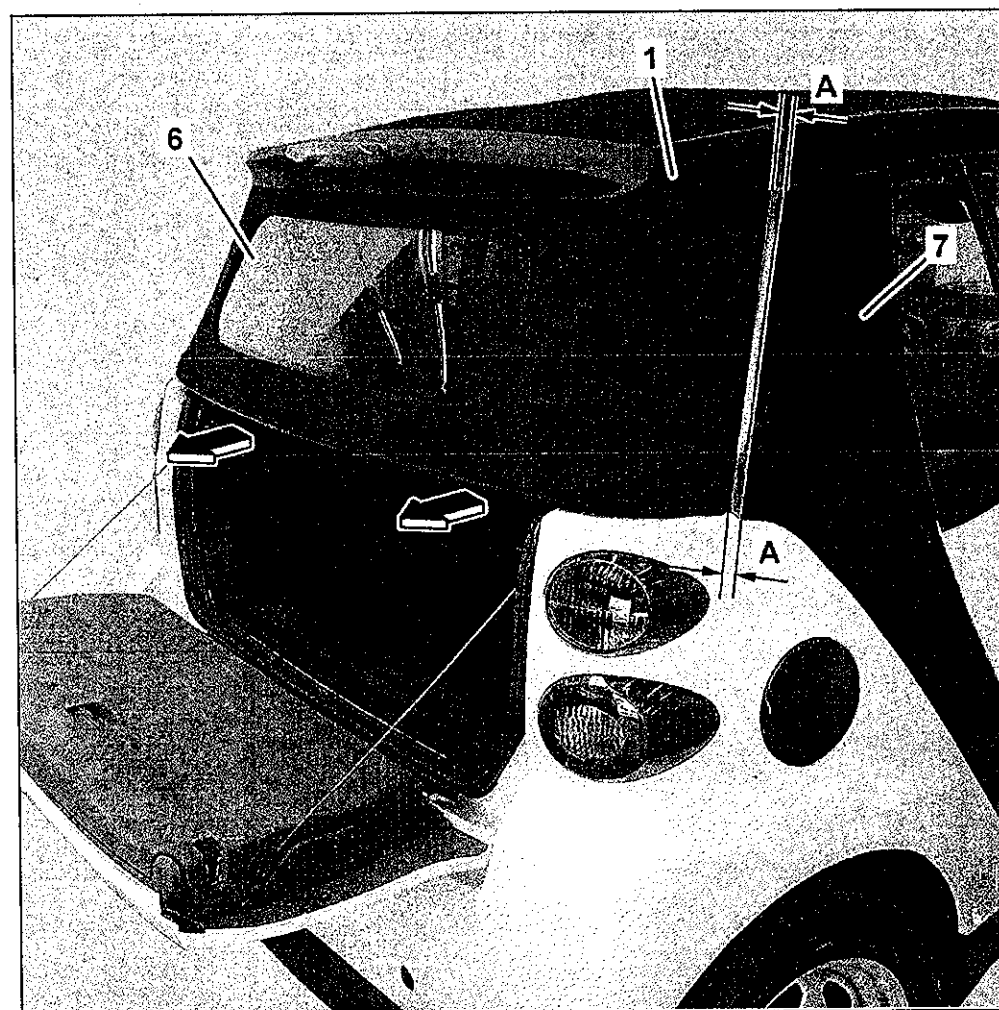
- 1 Open rear soft top (1).
- 2 Loosen bolts (2), nuts (4) and retaining clip (3) on main bearing (5).
- 3 Close rear soft top (1).



4 Pull rear soft top (1) on retaining clip toward rear (arrows).

5 Check gap between rear soft top (1) and B-pillar (7).

i The distance (A) should be the same at top and bottom, the covering of the rear soft top (1) should make contact with the seal on the rear window (6).

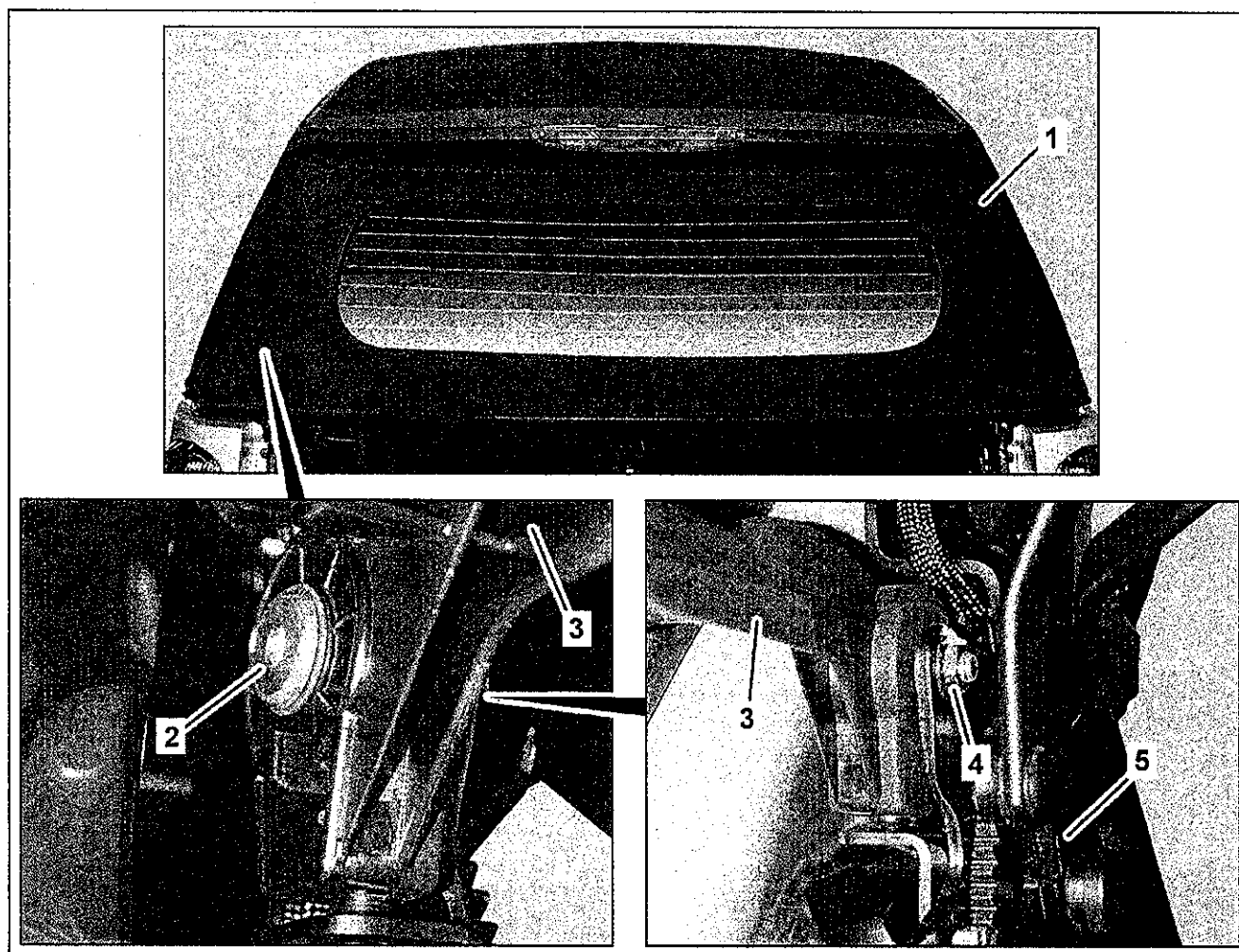


P77.31-2195-12

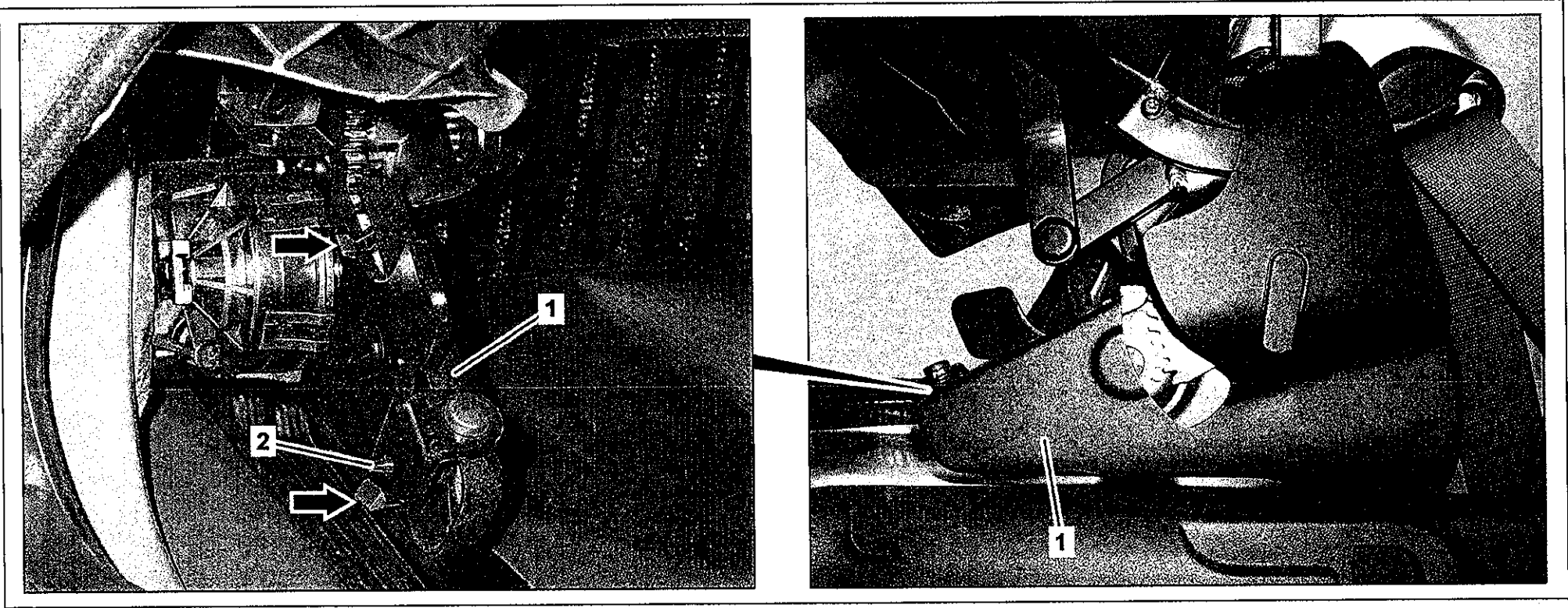
6 When rear soft top (1) is closed, tighten bolt (2) and nuts (4) on main bearing (5).

7 Open and close rear soft top (1).

i The retaining clip (3) should close easily, the covering of the rear soft top (1) should be seated tautly and without creases.



AR68.30-P-4505KD	Remove/install paneling on rear pillar	3.8.08
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P68.30-3316-08

- 1 Trim
- 2 Guide pin

✕	Removing		
1	Open rear soft top cover		



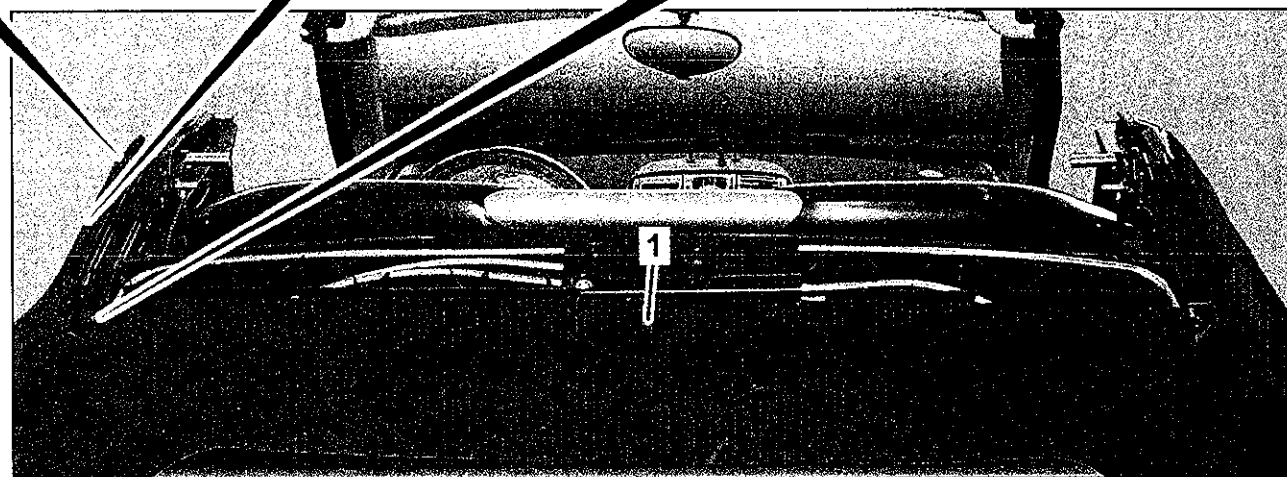
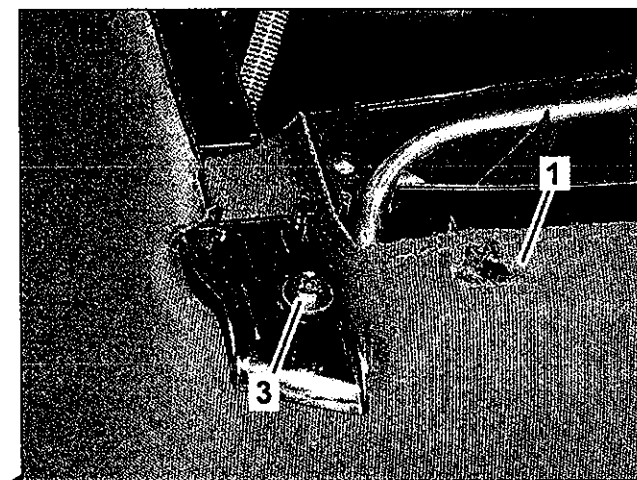
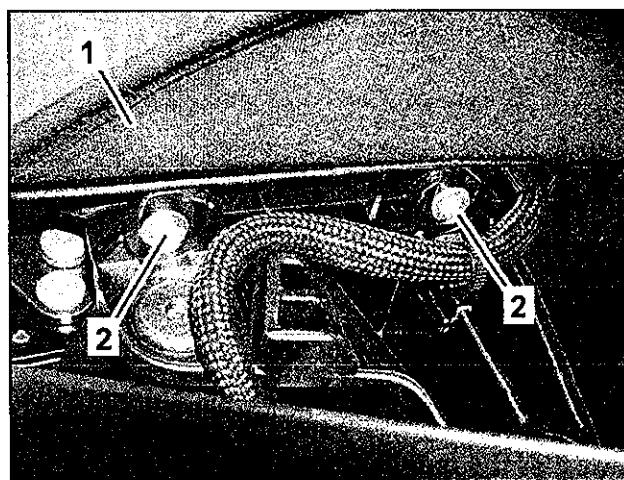
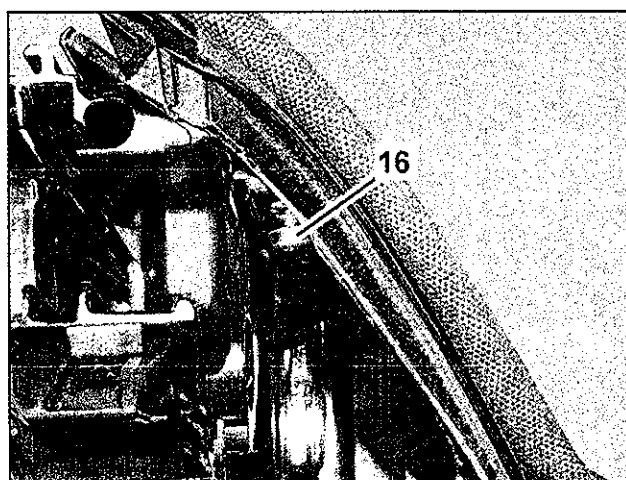
2	Open catches (arrows) and remove paneling (1) from rear toward front.		
	Install		
3	Hook paneling (1) into front area and position at rear, insert guide pins (2) and arrest paneling.		
4	Close rear soft top		



AR77.30-P-1150KD

Remove/install rear soft top

3.8.08

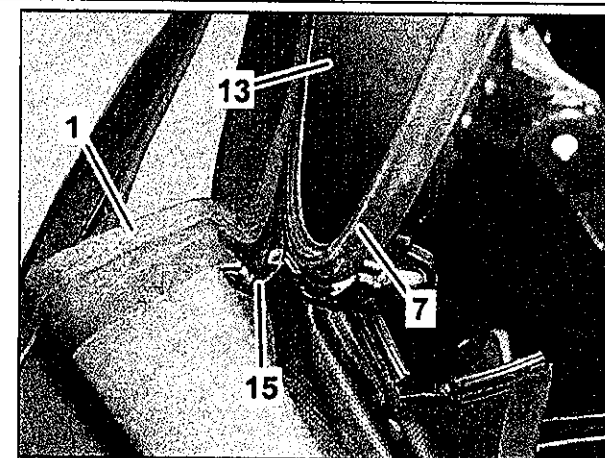
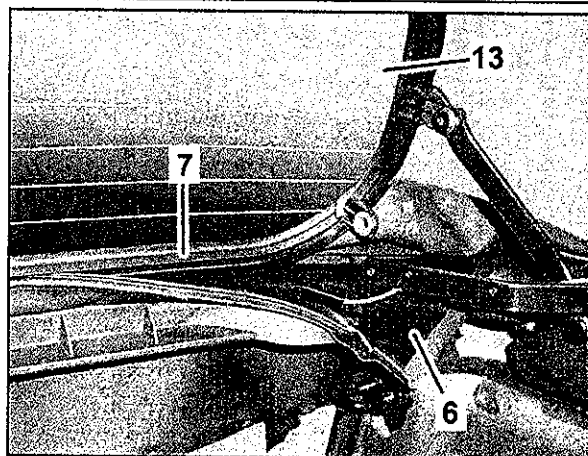
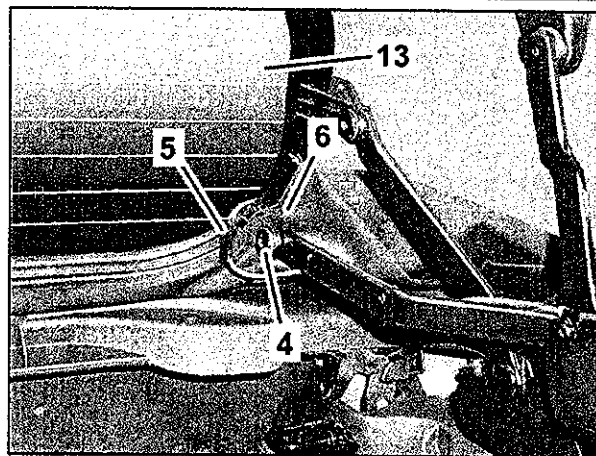


1 Rear soft top

2 Bolt

3 Bolt

16 Bolt



P77.30-2399-07

1 Rear soft top

4 Bolt

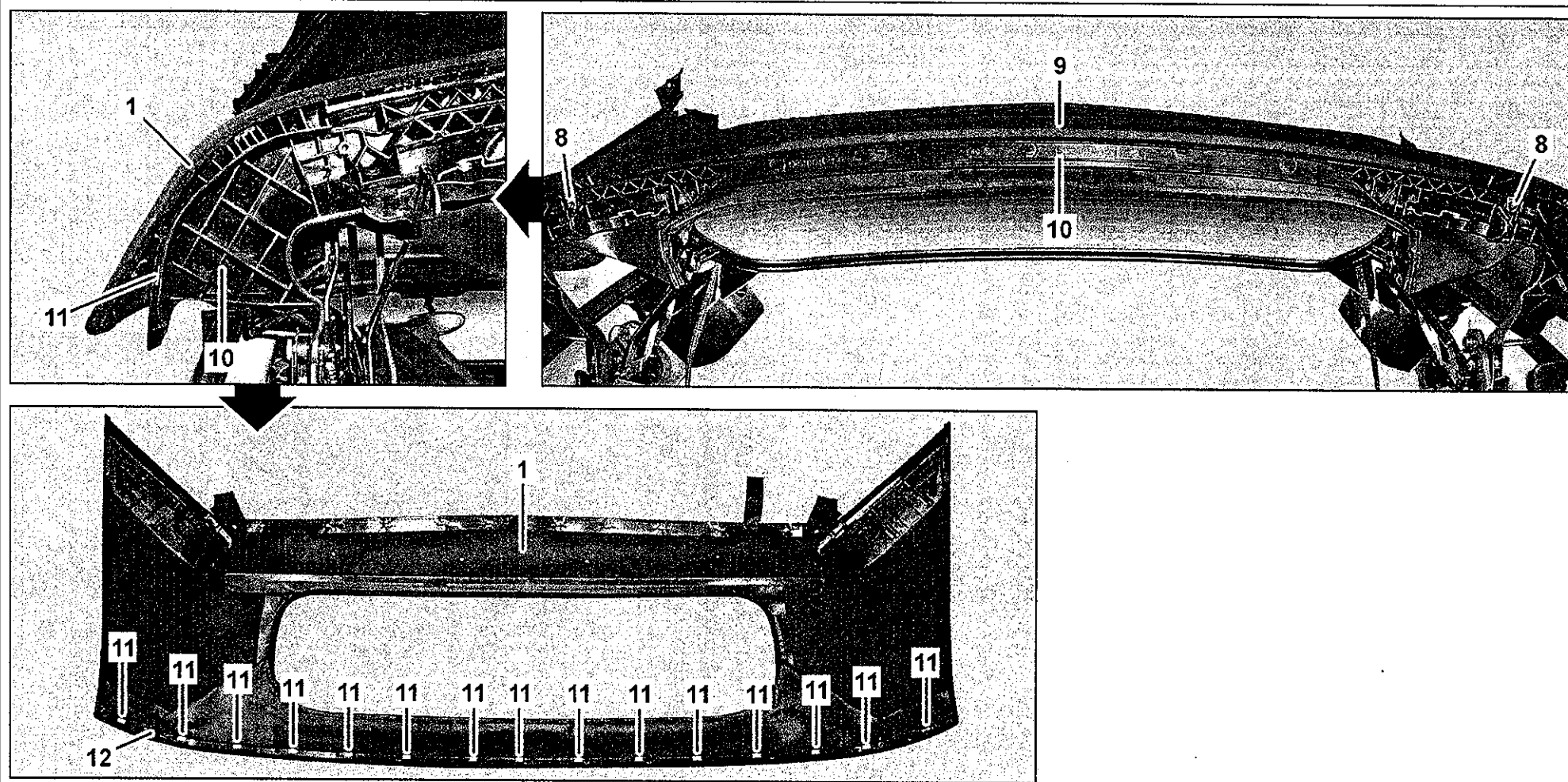
5 Electrical connector

6 Water pocket

7 Frame

13 Rear window

15 Retaining tab



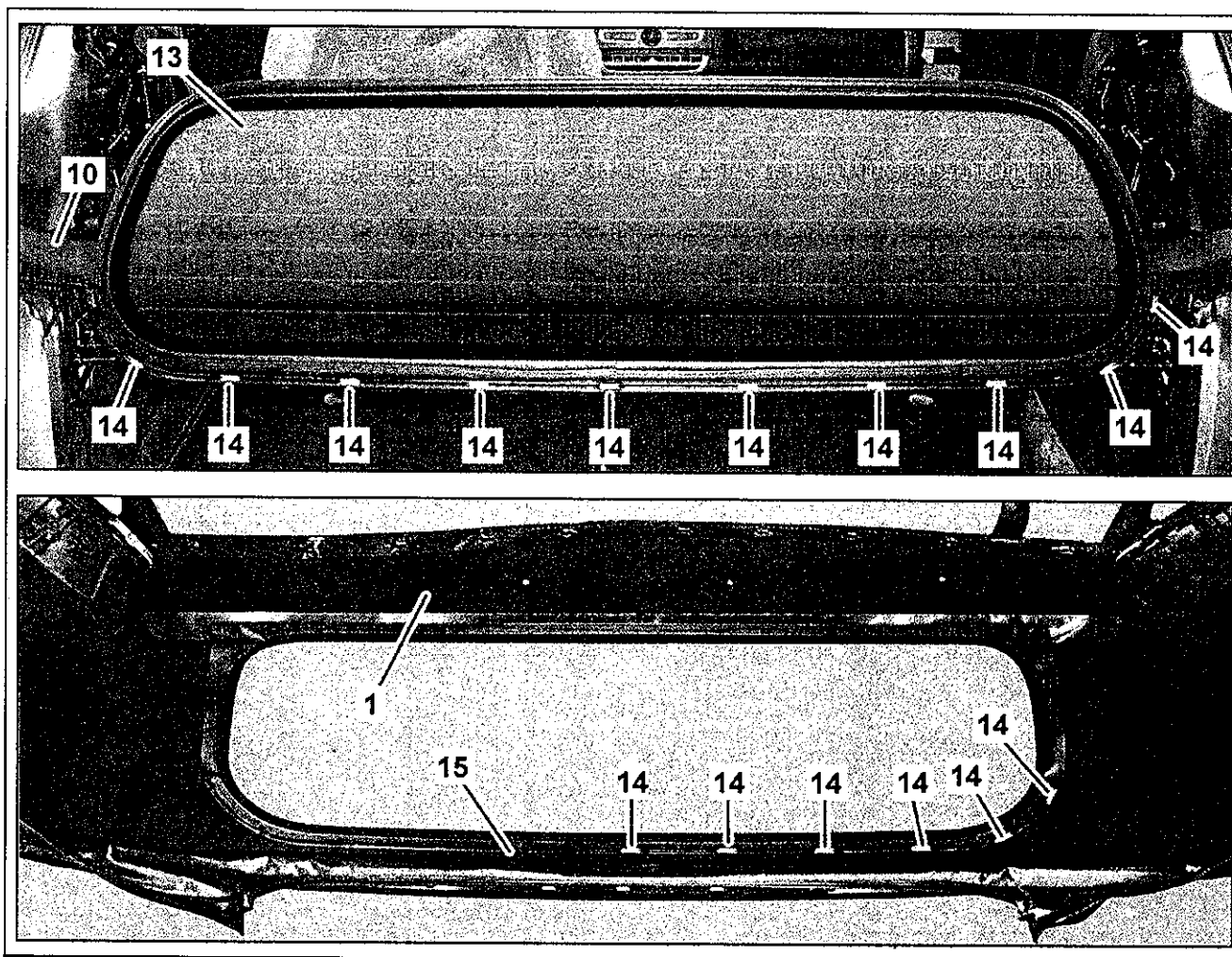
1 Rear soft top
8 Bolt

9 Seal
10 Retaining clamp

11 Clamp
12 Hooking lug

P77.30-2400-09

- 1 Rear soft top
- 10 Retaining clamp
- 13 Rear window
- 14 Clamp
- 15 Retaining tab



P77.30-2401-06

 	Remove/install		
1	Remove bolts (3)		
2	Unscrew bolts (2, 16)		



3	Unhook rear soft top (1) from roof cassette on left and right and fold toward rear, guide electrical lines through		
4	Remove bolts (4)		
5	Disconnect electrical connectors (5)		
6	Pull retaining tab of water pocket (6) out of frame (7) on rear window (13).		
7	Pull retaining tab (15) of rear soft top (1) out of frame (7) on rear window (13).		
8	Fold up retaining clip (10), unscrew bolts (8) and pull seal (9) out of retaining clip (10).		
9	Unhook rear soft top (1) from retaining clip (10) from outside toward inside and remove.		
10	Remove clips (11) remaining in retaining clip (10) with suitable tool.	i Installation: Install clips (11) on hooking lug (12) on rear soft top (1).	
11	Fold down rear window (13) and retaining clip (10).		
12	Remove clips (14) remaining in rear window (13) of frame (7) with suitable tool.	i Installation: Install clips (14) on retaining tab (15) on rear soft top (1).	
13	Install in the reverse order		



AH77.30-P-0001-01KD

Notes on soft tops

i The use of Daimler AG approved materials and tools is absolutely necessary for proper repair because the material characteristics of the recommended products influence the work results and working time.

Grease side strut:

During maintenance work on vehicle the side struts must be cleaned and greased.

Use only cleaning felts and greases approved by Daimler AG. On vehicles which are exposed to high dust influence, it can be necessary to clean and grease the side struts in between the maintenance operations.

Roof cassette locks:

The roof cassette locks can also be cleaned and greased during maintenance work.

Grease roof cassette locks only at specified points using types of grease approved by Daimler AG only.

Ensure that the springs on the microswitch are not damaged or bent.

Repair work at soft top should only be carried out by trained skilled personnel.

The drive cable, the soft top sliding blocks and the side strut bearings on the A-pillar must only be changed in pairs.

To prevent torsion, i.e. twisting of body, which leads to adjustment faults during repair work on soft top and its detachable body components, the vehicle must be positioned horizontally on the ground.

Drive cable for soft top:

Do not grease or oil drive cable on soft top.

The drive cables are moistened with a special oil at the factory.

Soft top:

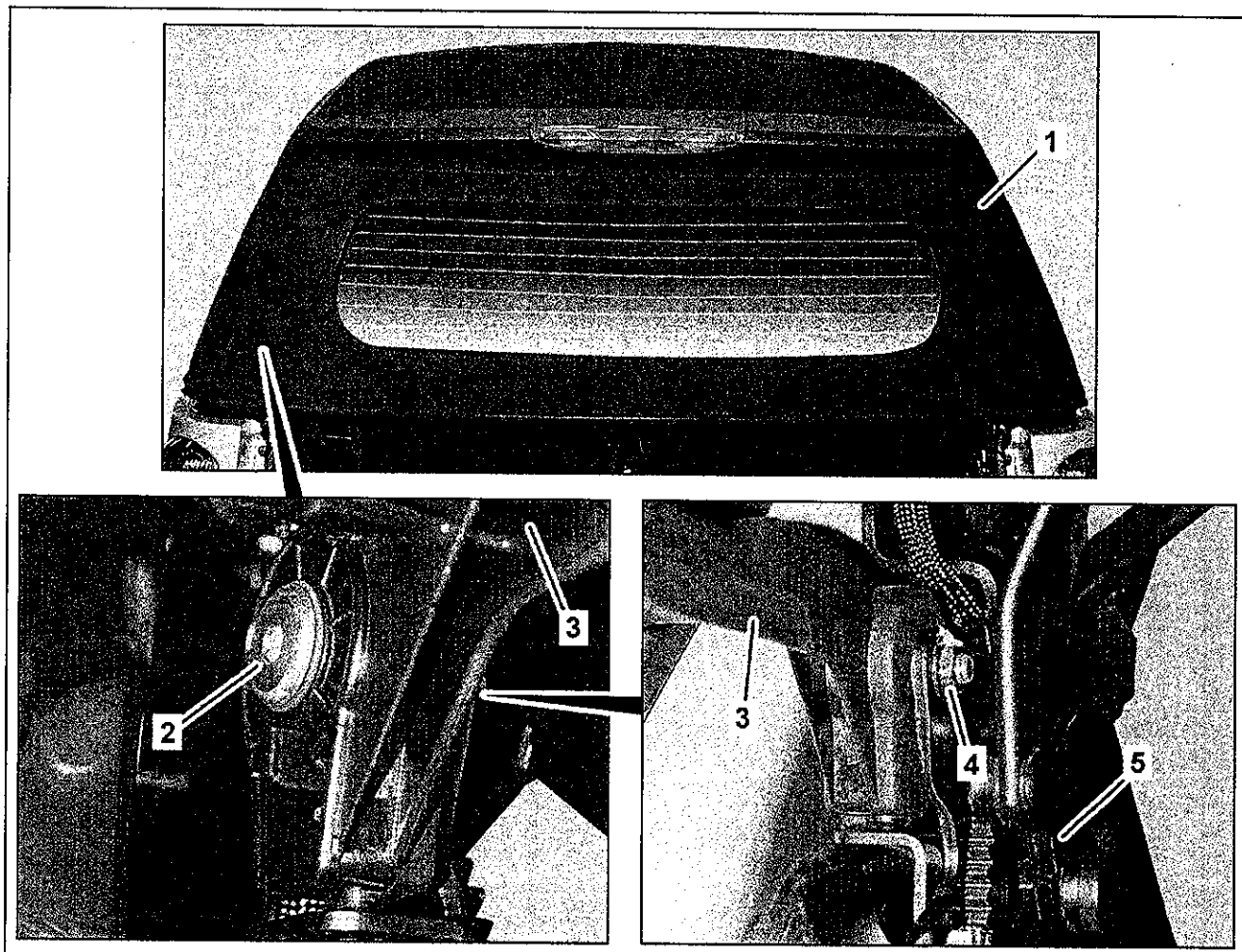
After replacing the soft top or rear soft top, increased closing forces can occur on the soft top and retaining clip.

The vehicle must stand with closed soft top for at least 12 h at room temperature.

AR77.30-P-1151-01KD

Adjust rear soft top retaining clip

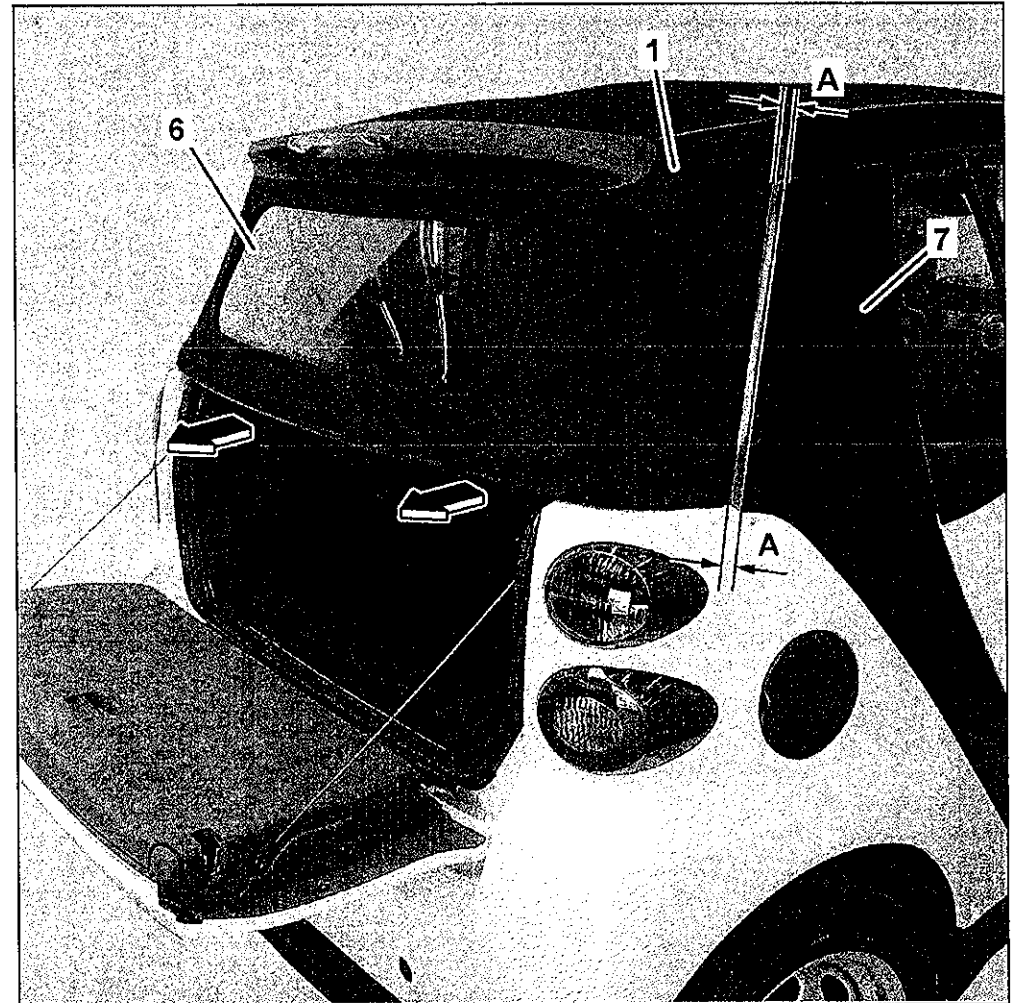
- 1 Open rear soft top (1).
- 2 Loosen bolts (2), nuts (4) and retaining clip (3) on main bearing (5).
- 3 Close rear soft top (1).



4 Pull rear soft top (1) on retaining clip toward rear (arrows).

5 Check gap between rear soft top (1) and B-pillar (7).

i The distance (A) should be the same at top and bottom, the covering of the rear soft top (1) should make contact with the seal on the rear window (6).

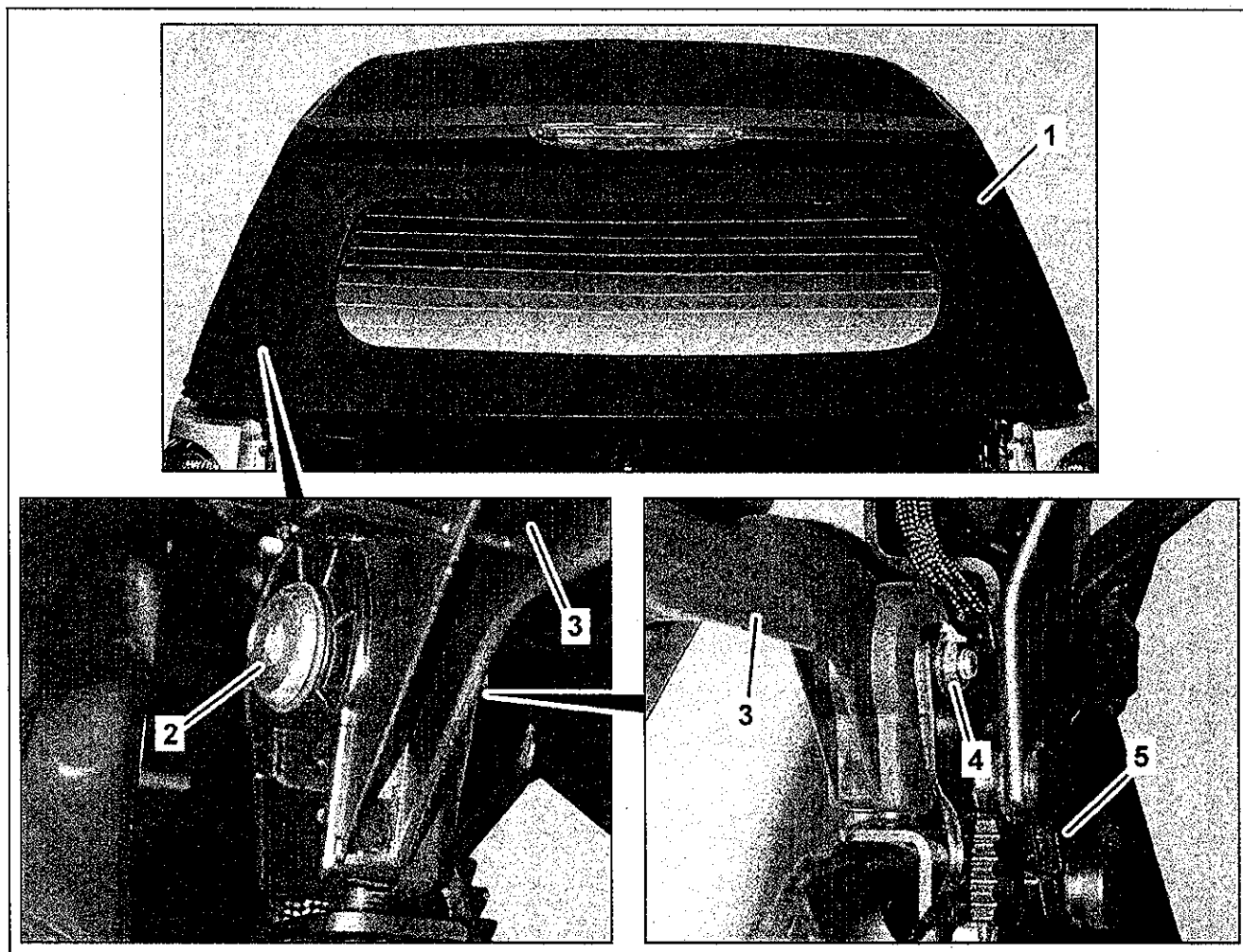


P77.31-2195-12

- 6 When rear soft top (1) is closed, tighten bolt (2) and nuts (4) on main bearing (5).

- 7 Open and close rear soft top (1).

i The retaining clip (3) should close easily, the covering of the rear soft top (1) should be seated tautly and without creases.

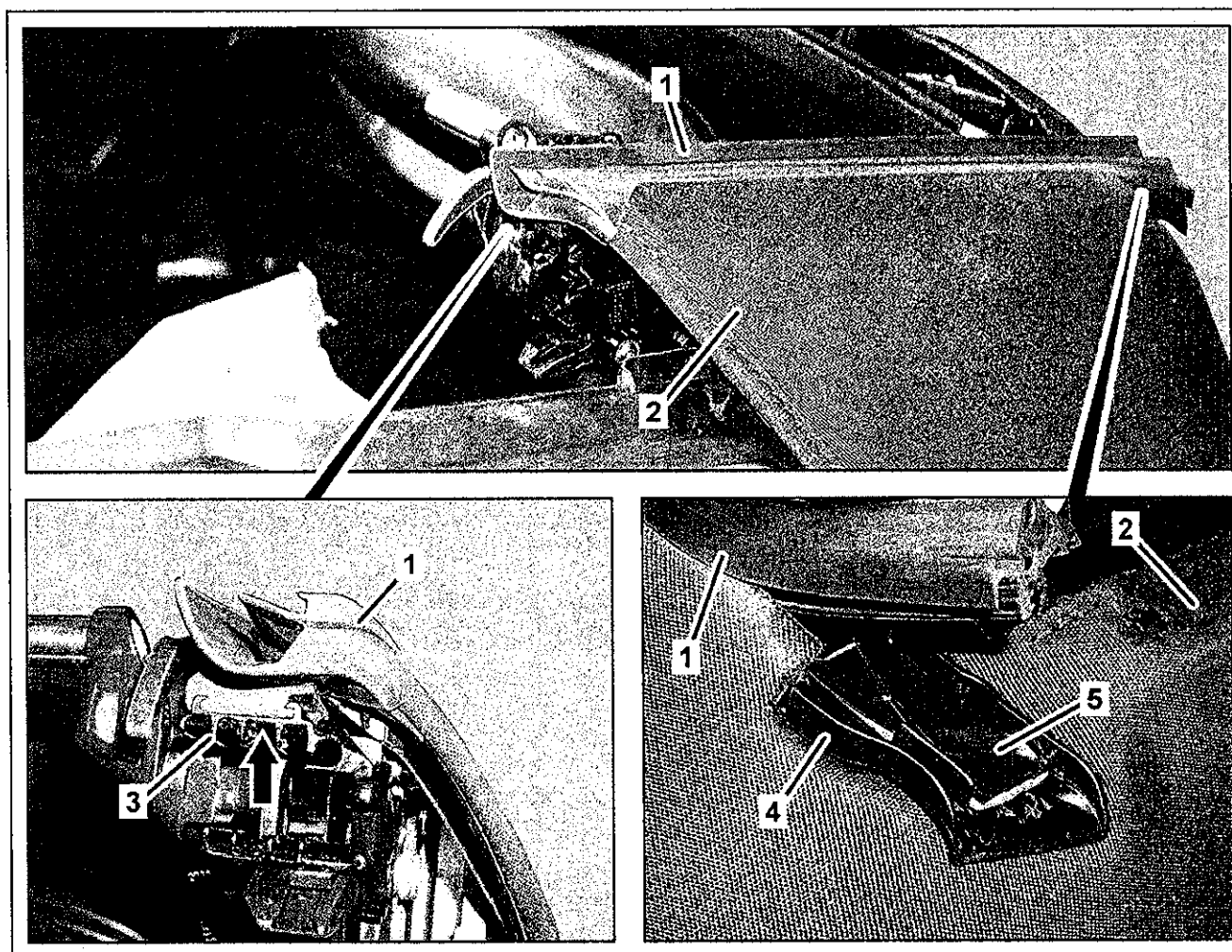


AR77.30-P-1109KD

Remove/install soft top roof cassette

3.8.08

- 1 Roof cassette seal
- 2 Rear soft top
- 3 Guide
- 4 Trim
- 5 Sealing strip



P77.31-2192-06

	Removing		
1	Pull roof cassette seal (1) on left and right, from rear toward front, out of guide (3)	Detach glued front area on roof cassette seal (1) if necessary with suitable tool.	
2	Remove sealant and glue residues in front area of guide (3).		
3	Remove old sealant from paneling (4).		
	Install		
4	Insert roof cassette seal (1) from front toward rear into guide (3).	Insert roof cassette seal (1) so that it is flush with the guide (3). The sealing lip on the roof cassette seal (1) should make contact with rear soft top covering (2) over the entire length.	
5	Lift roof cassette seal (1) at front (arrow) and additionally glue to guide (3).		BR00.45-Z-1095-02A
6	Lift roof cassette seal (1) at rear and attach sealing strip (5) to paneling (4).	Cut sealing strip (5) so that it is approx. 50 mm long.	BR00.45-Z-1088-01A
7	Remove protective foil from sealing strip (5) and press on roof cassette seal (1).	The sealing lip on the roof cassette seal (1) should make contact with the rear soft top covering (2) over the entire length.	
8	Perform a function test		

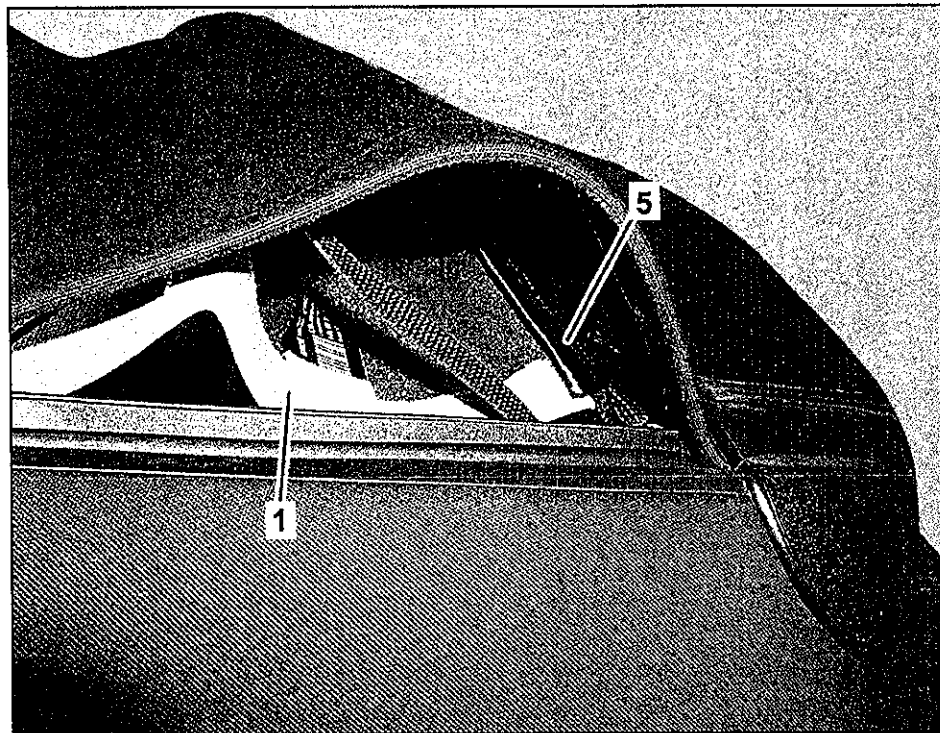
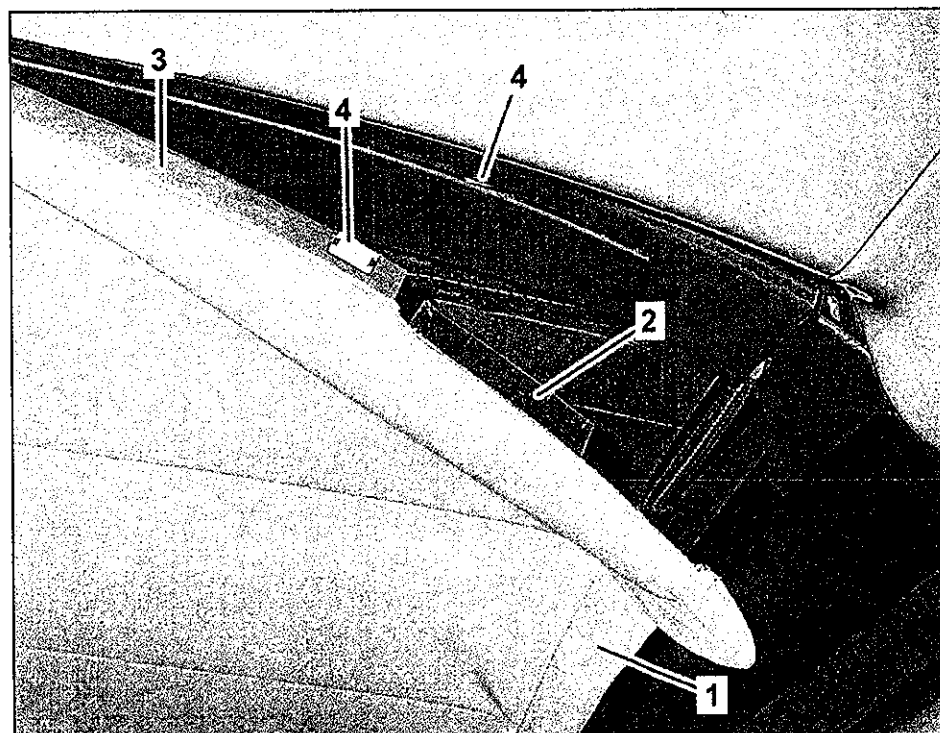
**Repair materials**

Number	Designation	Order number
BR00.45-Z-1088-01A	Sealing strip 119.32 Terostat 20×2 mm	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. + 49 899268-0 Fax + 49 899101978 www.Loctite.de
BR00.45-Z-1095-02A	Ultra-fast super glue 20g. Sabesto	Adolf Würth GmbH & Co. KG Reinhold-Würth-Str. 12-17 74653 Künzelsau-Gaisbach Germany Tel. + 49 7940 15-0 Fax + 49 7940 15-1000 www.wuerth.de Art. no.: 089309

AR77.31-P-1005KD

Remove/install headliner

3.8.08



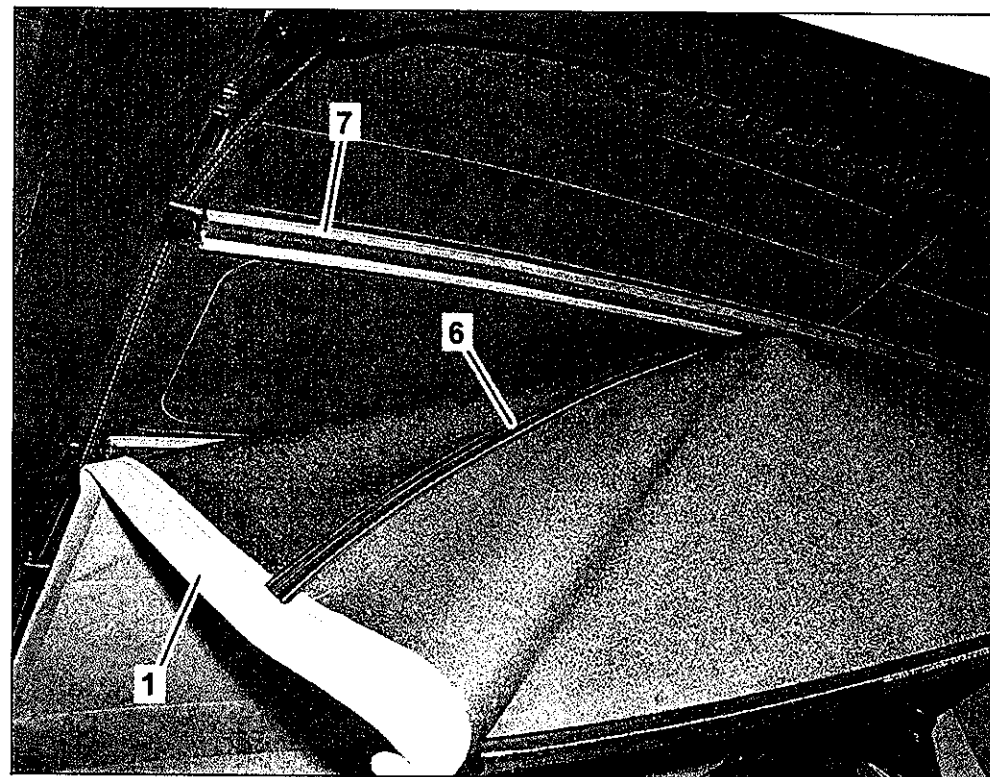
P77.31-2186-08

1 Headliner
2 Retaining tab

3 Retaining tab
4 Retaining clamp

5 Retaining tab

- 1 Headliner
- 6 Fastening strip
- 7 Soft top bow



P77.31-2187-11

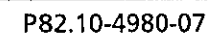
	Removing		
1	Open soft top so that retaining tabs (2, 3, 5) on headliner (1) can be removed from roof edge and roof cassette without tension.	When removing retaining tabs (2, 3, 5) on headliner (1), open soft top slightly, otherwise headliner (1) can be damaged by overstretching.	
2	Loosen retaining tabs (2) on roof edge and pull out of gap on roof edge.	Use plastic wedge when loosening retaining tabs (2).	



3	Loosen retaining tabs (3) on left and right front roof edge, then pull headliner (1) out of gap of roof edge, from outside toward center	 Use plastic wedge when loosening retaining tabs (3).	
4	Loosen retaining tab (5) on left and right roof cassette, then pull headliner (1) out of gap of roof cassette, from outside toward center.	 Use plastic wedge when loosening retaining tab (5).	
5	Close soft top		
6	Remove mounting strips (6) from soft top bows (7).	 Loosen mounting strips (6) on left and right, then pull headliner (1) out of gap of soft top bow (7), from outside toward center.	
7	Remove remaining retaining clamps (4) from gap on roof edge and gap on roof cassette.		
	Install		
8	Attach retaining clamps (4) on retaining tabs (2, 3, 5).		
9	Open soft top so that retaining tab (5) on headliner (1) can be installed on roof cassette.		

10	Insert retaining tab (5) on headliner (1) at center into gap on roof cassette and press in with uniform pressure from left and right, starting at center.		
11	Close soft top		
12	Insert mounting strips (6) into soft top bows (7) starting at rear and press in from left and right, starting at center, with uniform pressure.	 Aid of helper required. Counterhold soft top from outside.	
13	Position mounting strips (6) on headliner (1) in center of roof bows (7).	 Prevent formation of creases.	
14	Turn front edge of headliner (1) 90° upward, insert retaining tab (3) in center into gap of roof edge and press in with uniform pressure toward left and right, starting at center.		
15	Insert retaining tabs (2) into gap on roof edge and press in with uniform pressure.		

16	Check headliner (1).	i Check headliner (1) for formation of creases and position mounting strips (6) in center, if necessary. Open soft top, check headliner (1) for tension and position mounting strips (6) in center, if necessary. Close soft top and observe chafing spots of headliner (1) on soft top seal; center mounting strips (6), if necessary.	
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1	Screw	2	Electrical connector	E21	Center high-mounted stop lamp
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	Remove/install		
1	Remove bolts (1) of center high-mounted brake lamp (E21)		
2	Remove center high-mounted brake lamp (E21) until the electrical connector (2) is accessible		

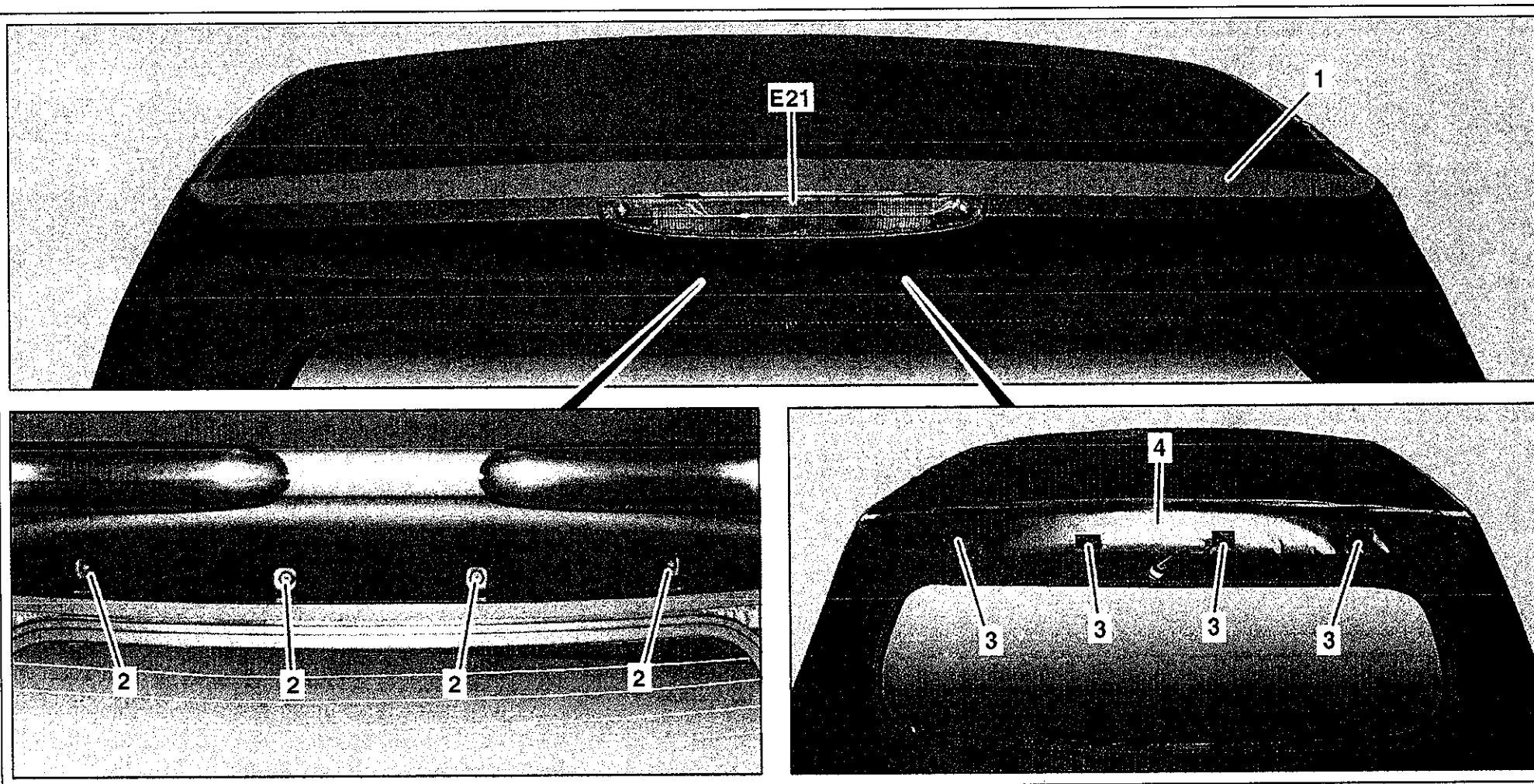


3	Disconnect electrical connector from center high-mounted brake lamp (E21) and remove center high-mounted brake lamp (E21)		
4	Install in the reverse order		
5	Perform function test of center high-mounted brake lamp (E21)		

AR77.33-P-2030KD

Remove/install roof cassette spoiler

3.8.08



P77.33-2123-09



1 Spoiler
2 Bolt

3 Sealing strip
4 Sealing

E21 Center high-mounted stop lamp

	Removing		
1	Remove bolts (2)		
2	Remove spoiler (1).		
3	Remove old sealant from spoiler (1) and from seal (4) on soft top.		
	Install		
4	Cut sealing strip (3) down to approx. 30 mm as shown on seal (4) on soft top.		BR00.45-Z-1088-01A
5	Insert bolts (2) into through holes.	Aid of helper required.	
6	Position spoiler (1) and tighten bolts (2).	Aid of helper required. Screw in bolts (2) alternately and uniformly.	

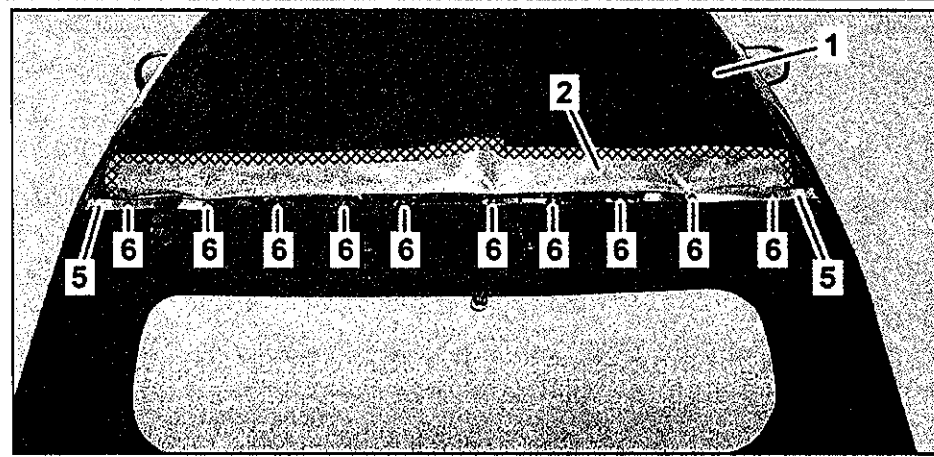
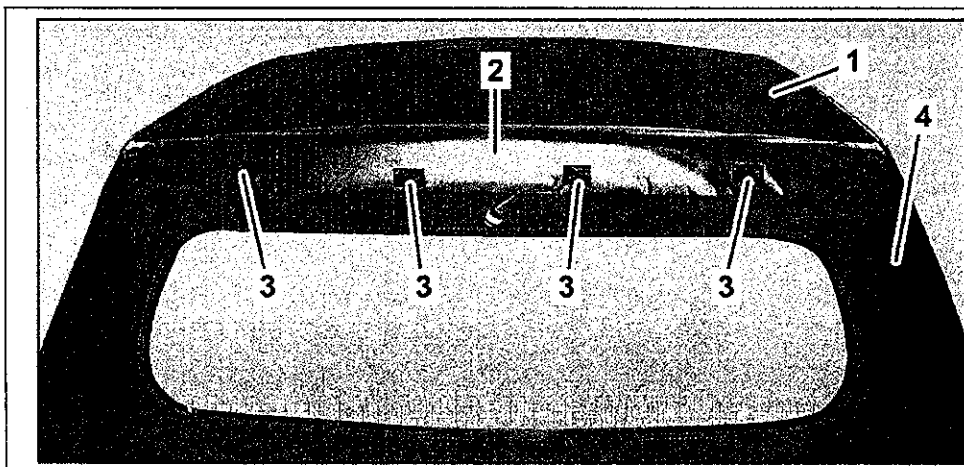
**Repair materials**

Number	Designation	Order number
BR00.45-Z-1088-01A	Sealing strip 119.32 Terostat 20 x 2 mm	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 München Germany Tel. +49-899268-0 Fax +49-899101978 www.Loctite.de

AR77.30-P-1100KD

Remove/install folding top

3.8.08



P77.31-2188-07

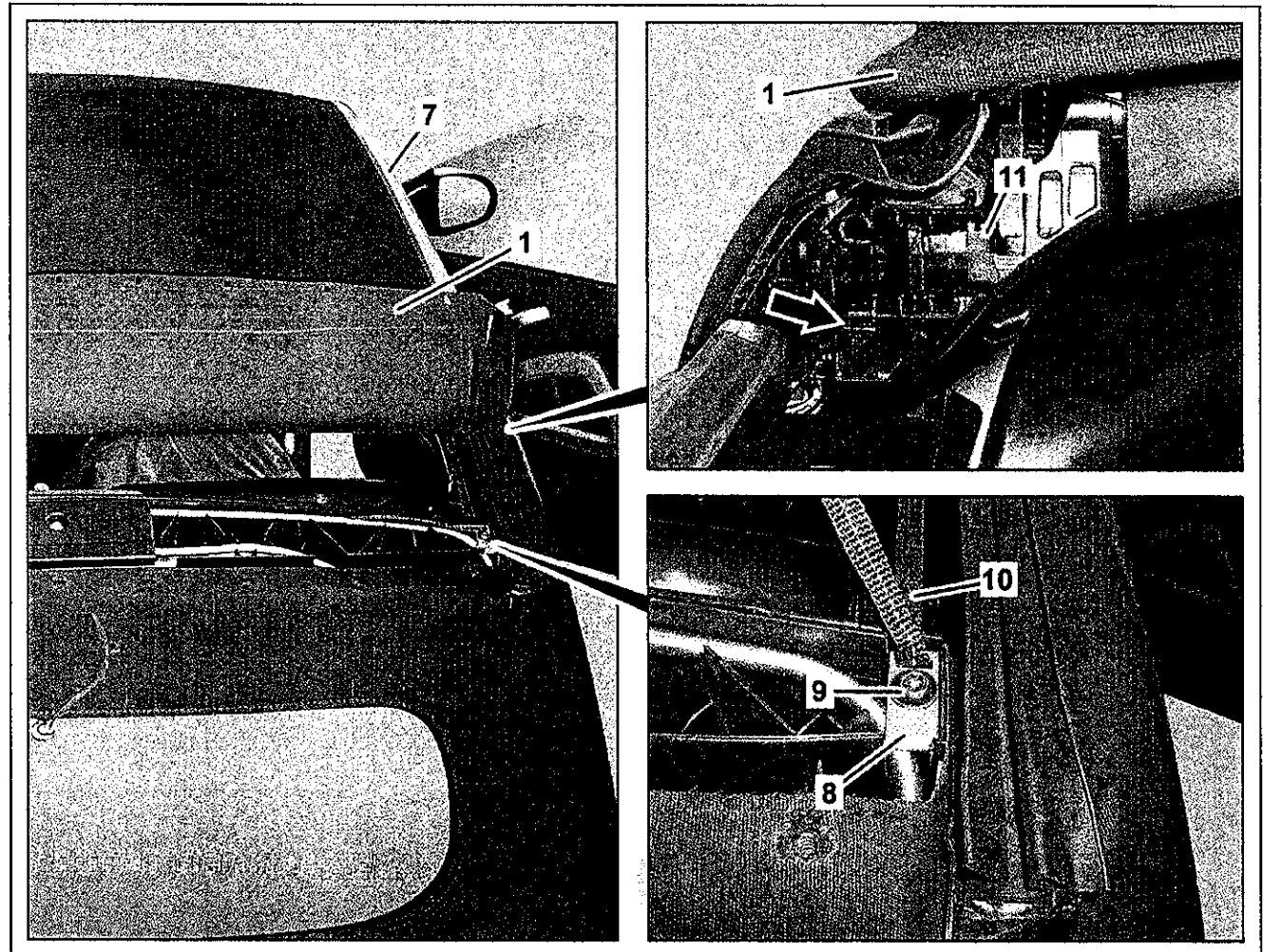
1 Folding top
2 Sealing

3 Sealing strip
4 Rear soft top

5 Tension cable retaining plate
6 Screw

Shown on right side of vehicle

- 1 Folding top
- 7 Side support
- 8 Clamping plate
- 9 Screw
- 10 Tensioning strap
- 11 Sliding plate



P77.31-2189-06

Shown on left side of vehicle

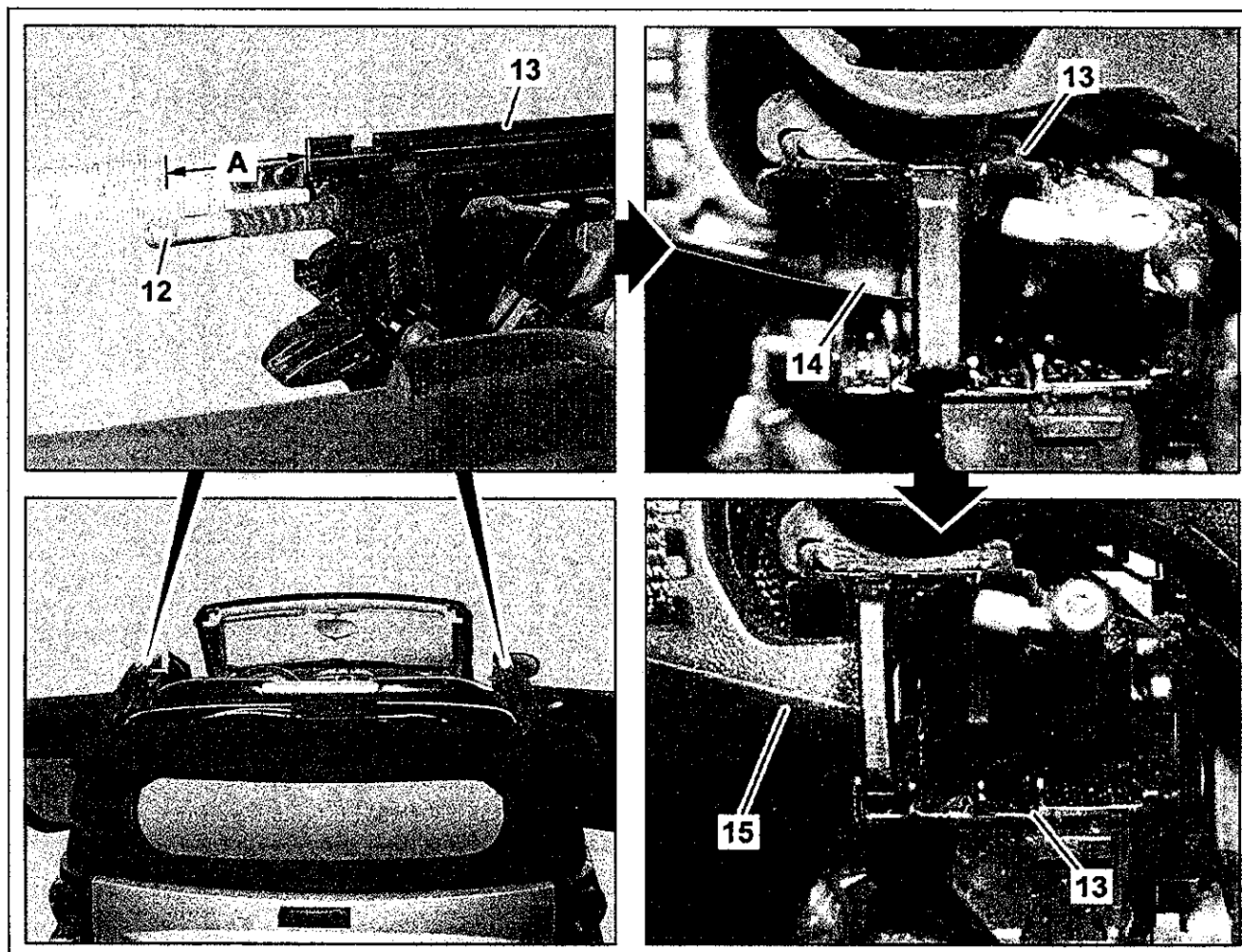
12 Drive cable

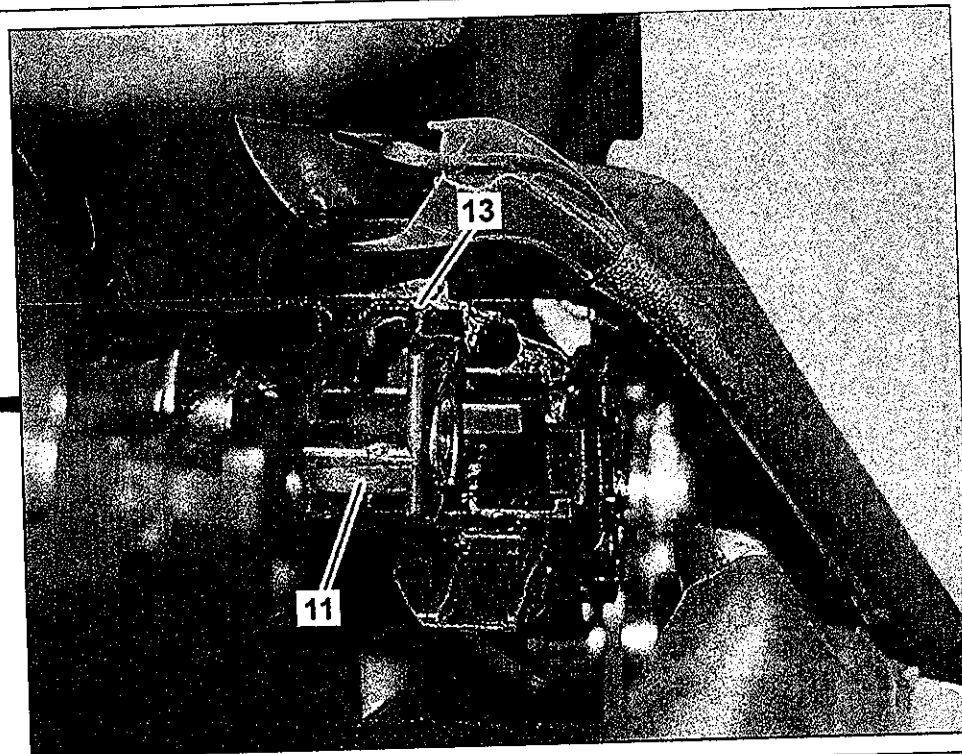
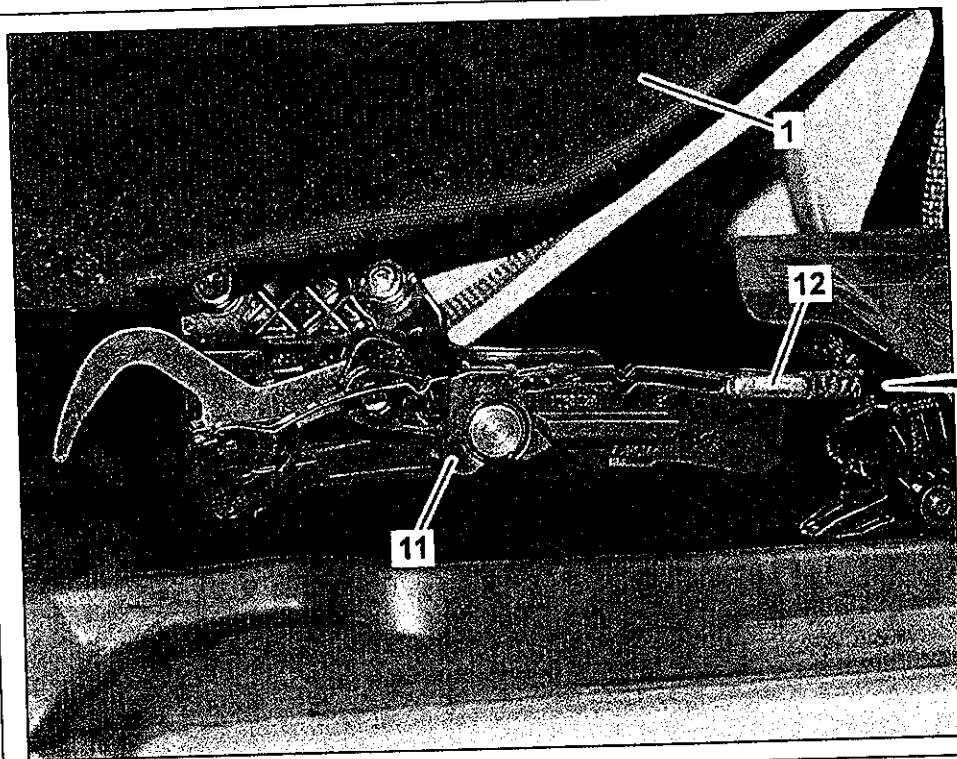
13 Guide

14 Slider

15 Slider

A Distance





P77.31-2191-08

Shown on right side of vehicle

1 Folding top
11 Sliding plate

12 Drive cable

13 Guide

✕	Removing		
1	Remove seal (2) from rear soft top (4) and fold toward front.		



2	Unscrew bolts (6) and fold soft top (1) toward front.		
3	Mark length of tensioning straps (10) on roof cassette.		
4	Unscrew bolts (9), remove clamping plates (8) and pull tensioning straps (10) out of clamping plates (8) and roof cassette.		
5	Remove side supports (7).		
6	Actuate both side support recognition sensors (arrow), simultaneously actuate power soft top switch in closing direction and extend soft top (1) until sliding rails (11) are exposed.	i Aid of 2 helpers required.	
7	Unhook drive cable (12) from sliding rails (11).		
8	Pull soft top (1) with sliding rails (14 and 15) out of guides (13) on roof cassette.	i Aid of helper required.	
9	Remove soft top (1) and put down.	i Aid of helper required.	
	Install		
10	Connect STAR DIAGNOSIS, select soft top control, select power soft top switch and erase coding.		



11	Measure distance (A) between drive cable (12) and guides (13).	i The distance (A) should be equal on the left and right; if the difference is > 1 mm, adjust drive cables (12) so that they run synchronous to one another.	
12	Slide soft top (1) with rear sliding rails (14) into guides (13) on roof cassette.	⚠ Push sliding rail (14) into center channel of guides (13); erroneous positioning can lead to damage on the soft top system. i Aid of helper required.	
13	Slide soft top (1) with center sliding rails (15) into guides (13) on roof cassette.	⚠ Push sliding rail (15) into inner channel of guides (13); erroneous positioning can lead to damage on the soft top system. i Aid of helper required.	
14	Hook sliding plates (11) into drive cable (12).	i Aid of helper required.	
15	Align sliding plates (11) as shown and carefully pull into guides (13) on roof cassette by actuating power soft top switch.	⚠ Pull sliding plates (11) into outer and center channel of guides (13); erroneous positioning can lead to damage on the soft top system. i Aid of 2 helpers required.	
16	Pull tensioning straps (10) into roof cassette and clamping plates (8).	i The tensioning straps (10) should not be twisted.	
17	Align tensioning straps (10) and clamping plates (8) according to marking and tighten bolts (9).		

18	Install side supports (7).		
19	Close soft top (1).		
20	Fold back soft top (1) and check tension of tensioning straps (10).	i The side edges of the soft top (1) should be flush with the contour of the side supports (7).	
21	Open soft top (1) approx. 10 cm.		
22	Align tension cable retaining plates (5) and tighten bolts (6).	i Ensure that creases are not present in the soft top covering (1).	
23	Attach double-sided adhesive tape in crosshatched areas of seal (2), remove protective foil and glue seal (2) to soft top (4) without creases.	i Remove loose pieces of old adhesive tape; it is not necessary to remove areas with good adhesion. Use double-sided adhesive tape with a width of 19 or 25 cm.	BR00.45-Z-1075-02A
24	Restore coding of power soft top switch, read out fault memory and disconnect STAR DIAGNOSIS		
25	Perform function test and check soft top (1) for creases.		

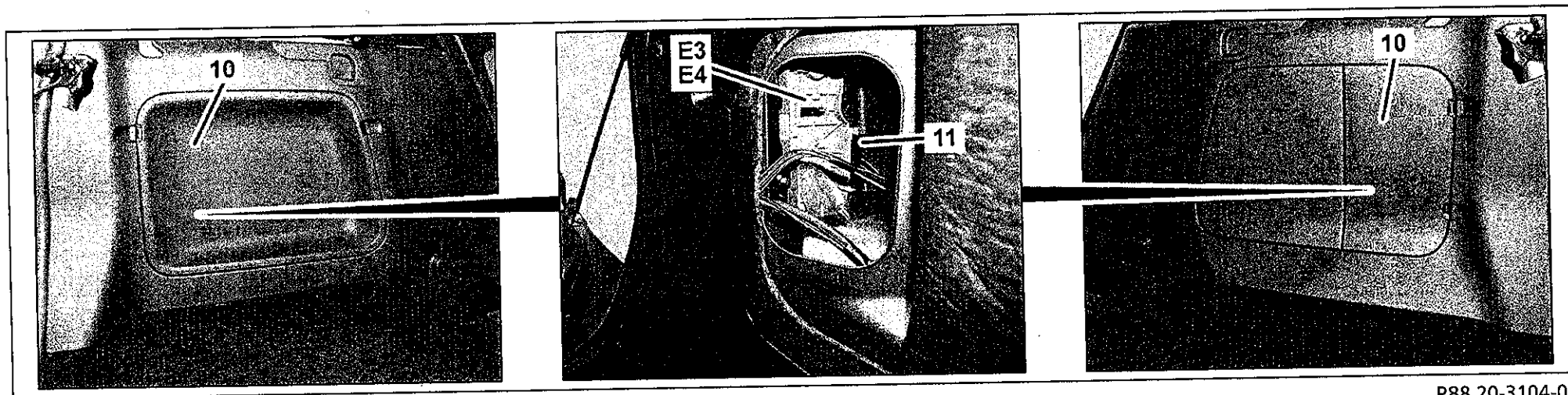
Repair materials

Number	Designation	Order number
BR00.45-Z-1075-02A	Terson double-sided adhesive tape For bonding trim strips and emblems (UV-resistant and weatherproof, black) (Width: 12 mm) Order no.: 107.64 A (Width: 19 mm) Order no.: 107.96 K (Width: 25 mm) Order no.: 117.05 Y	Henkel Loctite Deutschland GmbH Arabellastrasse 17 81925 Munich Germany Tel. + 49-89-9268-0 Fax + 49-89-9101978 www.Loctite.de

AR88.20-P-1900KD

Remove/install rear CBS

4.8.08

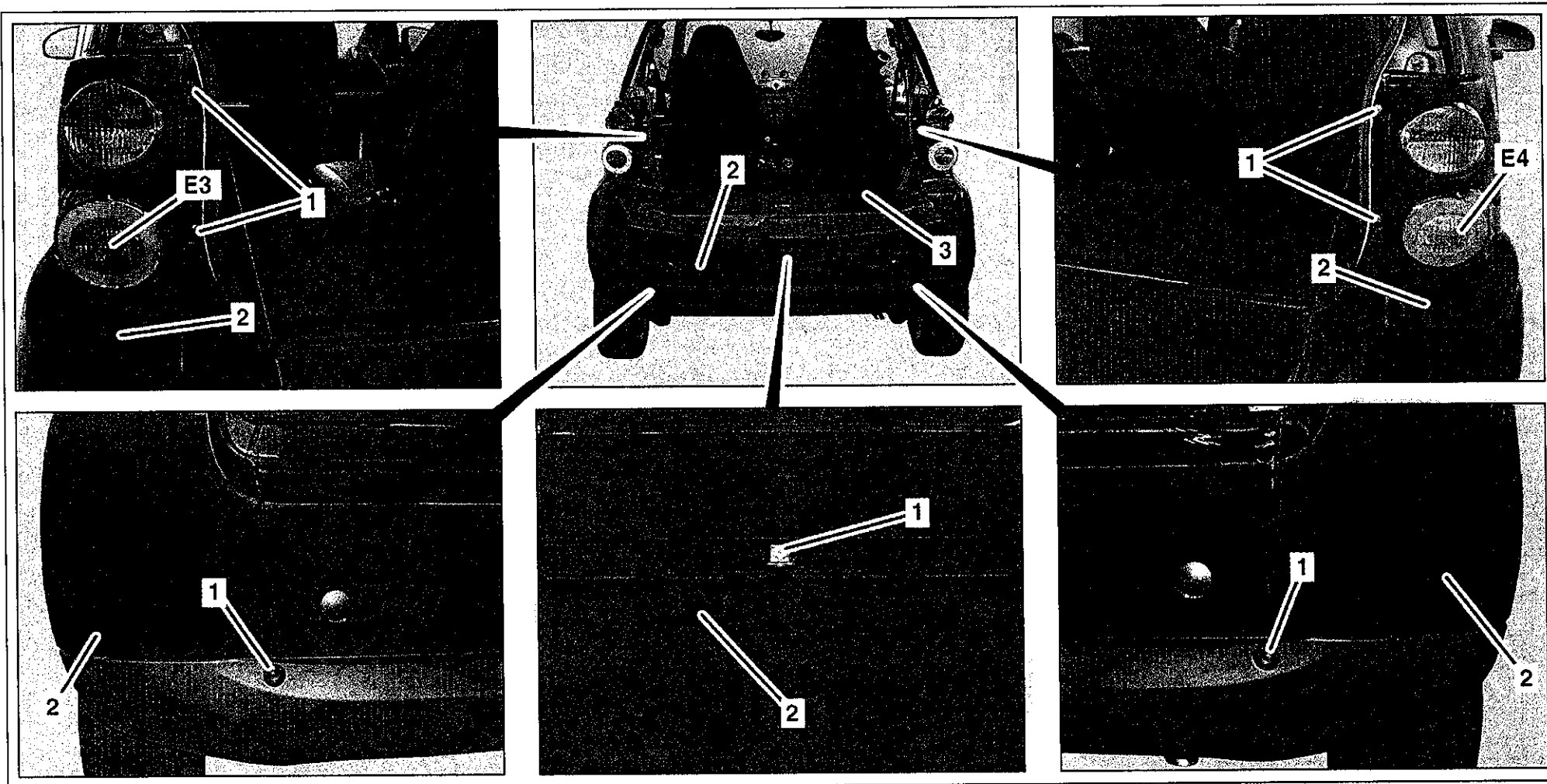


P88.20-3104-07

10 Cover

11 Electrical connector

E3 Left taillamp
E4 Right taillamp

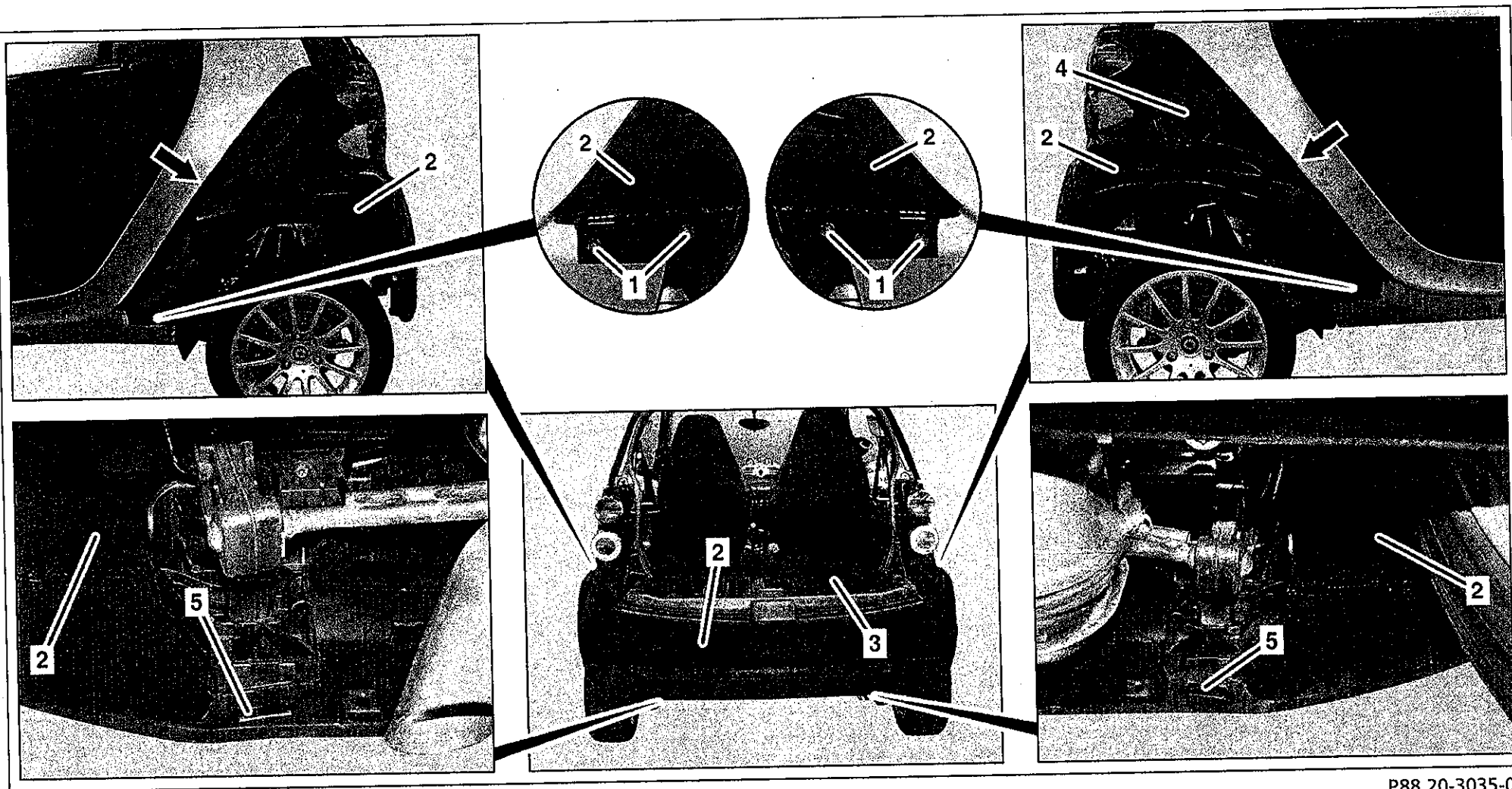


P88.20-2959-09

1 Bolts
2 Rear CBS

3 Rear-end door

E3 Left taillamp
E4 Right taillamp

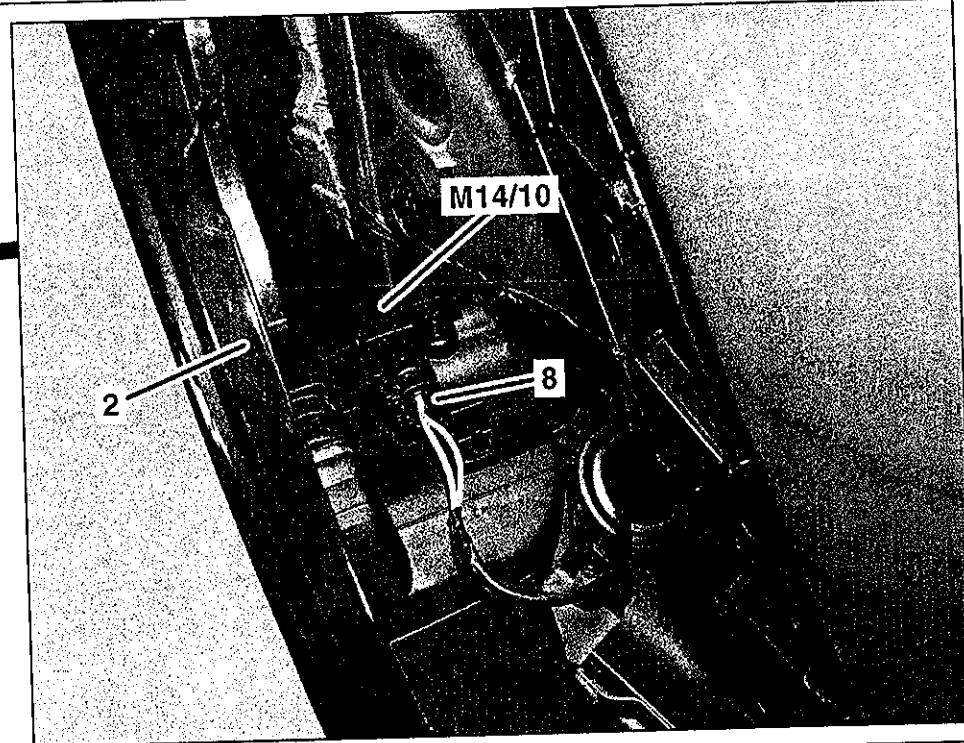
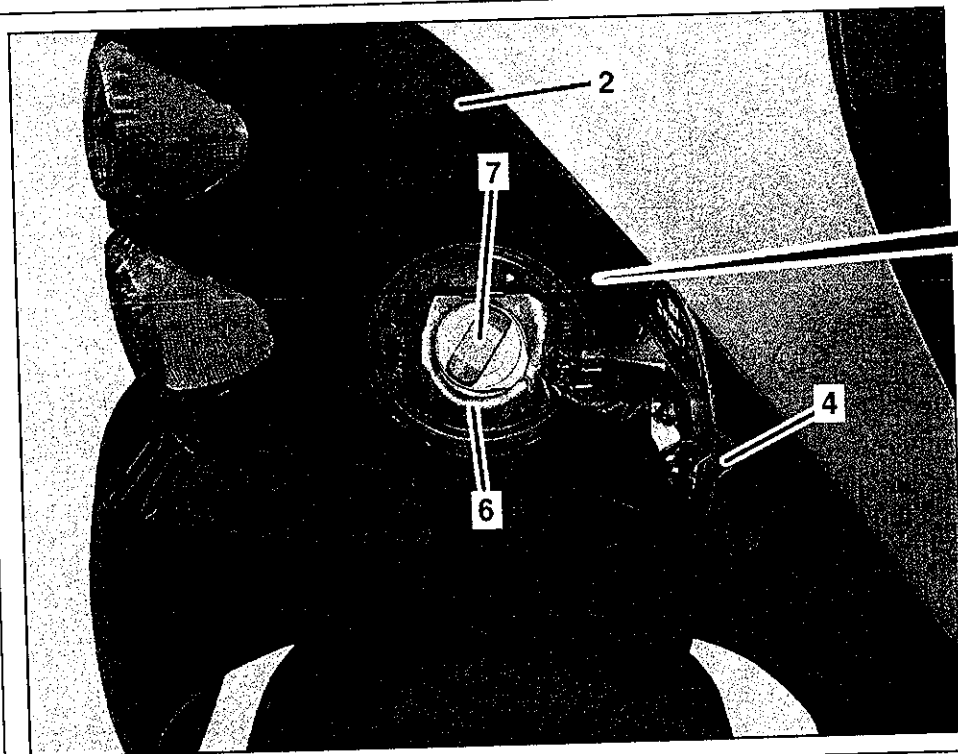


P88.20-3035-09

1 Bolts
2 Rear CBS

3 Rear-end door
4 Fuel filler flap

5 Catch hook



P88.20-2961-08

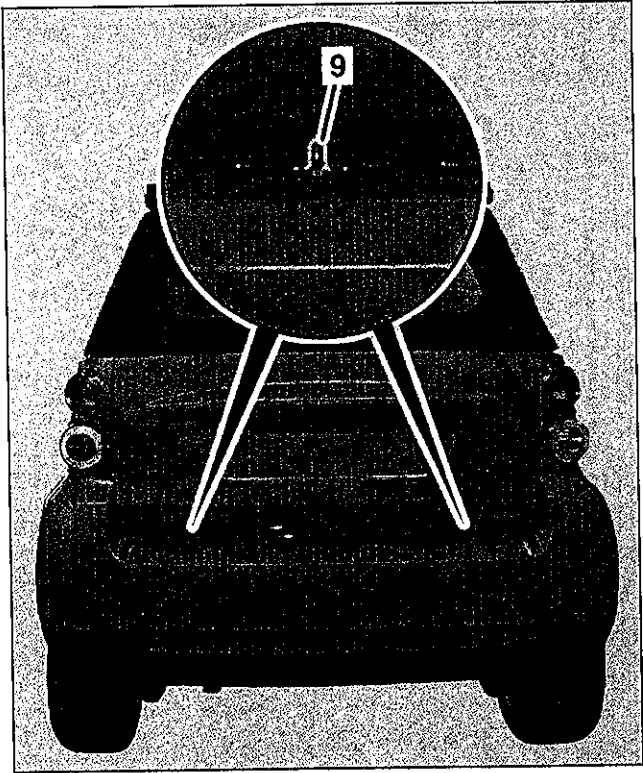
2 Rear CBS
4 Fuel filler flap

6 Gasket
7 Latch

8 Electrical connector
M14/10 Fuel filler flap CL [ZV] motor



9 *Mounting bolt (with code (E14) Basic carrier (DFO))*



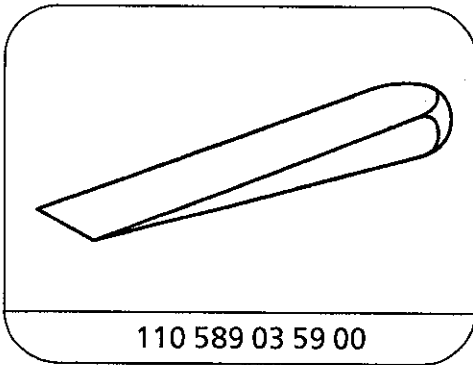
P82.20-2982-02

 	Remove/install		
1	Open tailgate (3)		
2	Remove covers (10) and disconnect electrical connector (11) from left taillamp (E3) and right taillamp (E4)		
3	Unscrew bolts (1) from rear CBS (2).		

4	Unscrew mounting bolt (9).	On vehicles with code (E14) Basic carrier (DFO)	
5	Loosen catch hook (5) on left and right bottom on rear CBS (2).		
6	Open fuel filler flap (4) and unscrew lock (7).		
7	Carefully loosen rear CBS (2) in marked area (arrows) starting at bottom with assembly wedge.	 i Installation: Slide seal (6) over tank filler neck and align.	110 589 03 59 00
8	Slightly pull rear CBS (2) toward outside in area of fuel filler flap (4) and disconnect electrical connector (8) from fuel filler flap CL motor (M14/10)		
9	Close rear-end door (3).		
10	Guide rear CBS (2) downward along rear-end door (3) on left.	! Carefully remove rear CBS (2), otherwise rear-end door (3) and rear CBS (2) can be damaged by scratching. i Aid of helper required.	
11	Guide rear CBS (2) downward along rear-end door (3) on right side and remove.	! Carefully remove rear CBS (2), otherwise rear-end door (3) and rear CBS (2) can be damaged by scratching.	



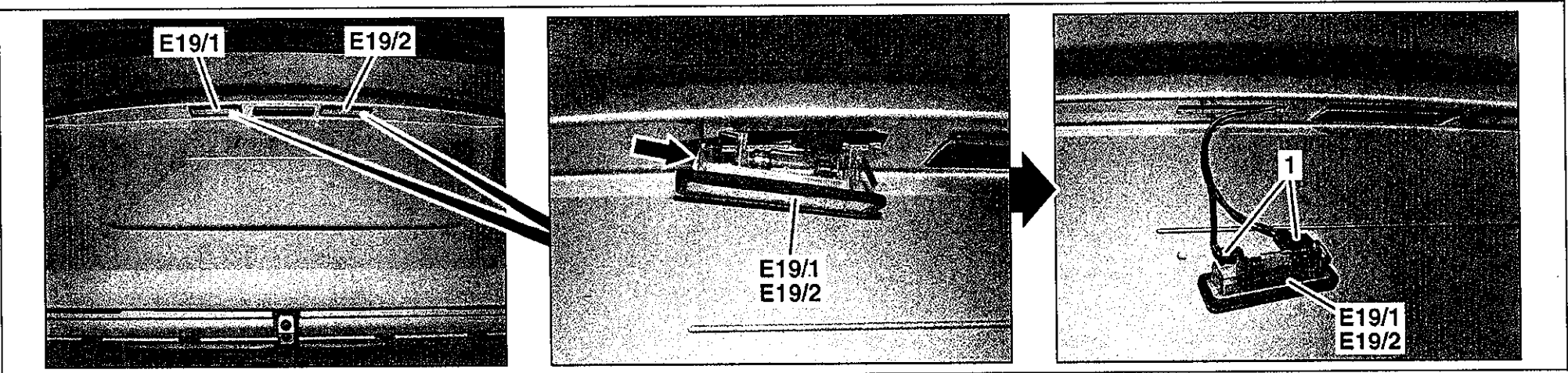
		i Aid of helper required. Lay rear CBS (2) down on suitable subsurface.	
12	Loosen latch (7) on fuel filler flap (4) and close tank filler neck		
13	Install in the reverse order		
14	Check left taillamp (E3) and right taillamp (E4) for proper function		



Mounting wedge



AR82.10-P-5161KD	Remove/install license plate lamps	4.8.08
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P82.10-4599-07

- 1 *Electrical connectors*
- E19/1 *Left license plate lamp*
- E19/2 *Right license plate lamp*

 	Remove/install		
1	Release catch (arrow) and lead left license plate lamp (E19/1) or right license plate lamp (E19/2) downward out of rear-end door until the electrical connectors (1) are accessible		



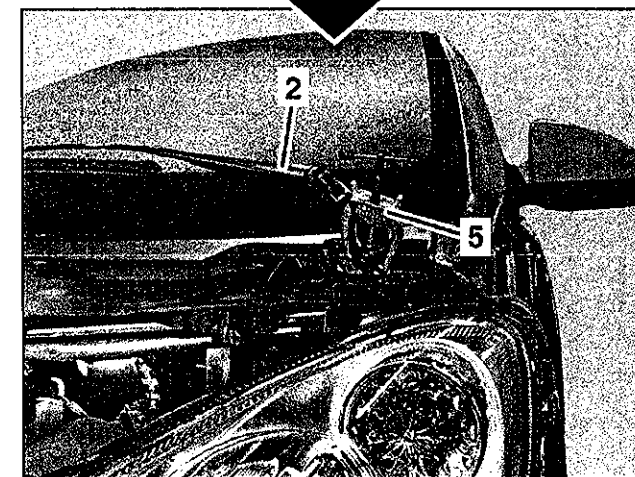
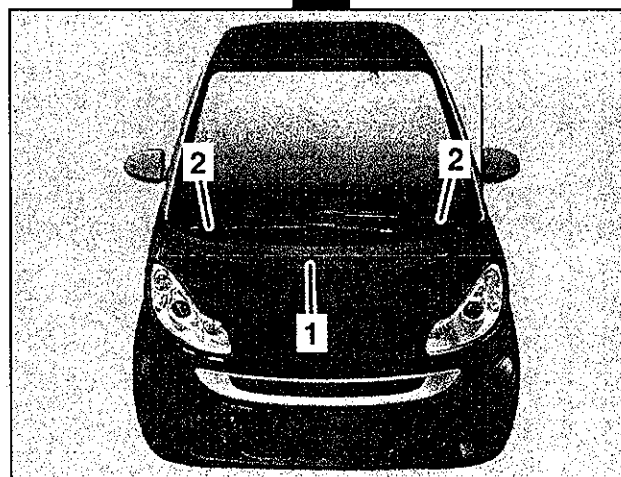
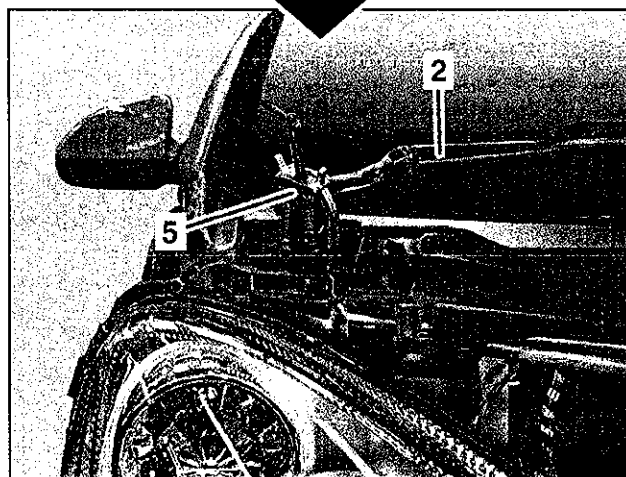
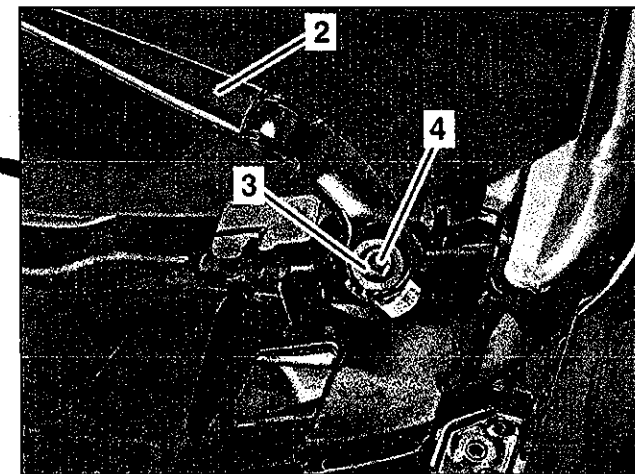
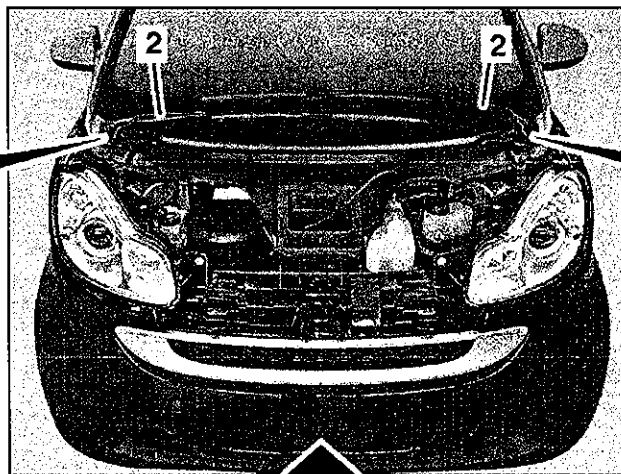
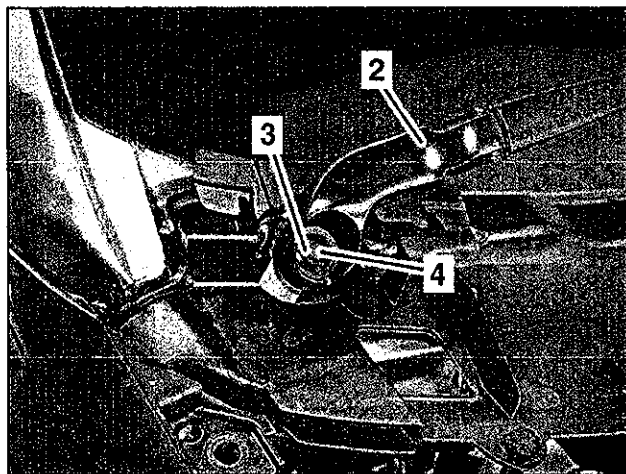
2	Disconnect electrical connectors (1) and remove left license plate lamp (E19/1) or right license plate lamp (E19/2)		
3	Install in the reverse order		
4	Perform function test on left license plate lamp (E19/1) or right license plate lamp (E19/2)		



AR82.30-P-6100KD

Remove and install wiper arm

4.8.08



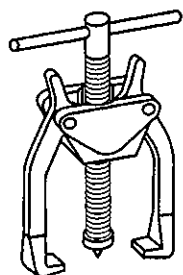


1 Trim
2 Wiper arm

3 Nut
4 Wiper arm shaft

5  Puller

	Remove/install		
 Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.	Always remove ignition key when working on windshield wiper mechanism.	
1	Allow wiper motor to run in end position and switch off ignition		
2	Remove cap on nut (3)		
3	Unscrew nut (3) on wiper arm (2)		20 Nm
4	Position puller (5) on wiper arm shaft (4)		001 589 38 33 00
5	Detach wiper arm (2) using puller (5)		001 589 38 33 00
6	Remove puller (5)		001 589 38 33 00
7	Remove wiper arm (2)		
8	Install in the reverse order		



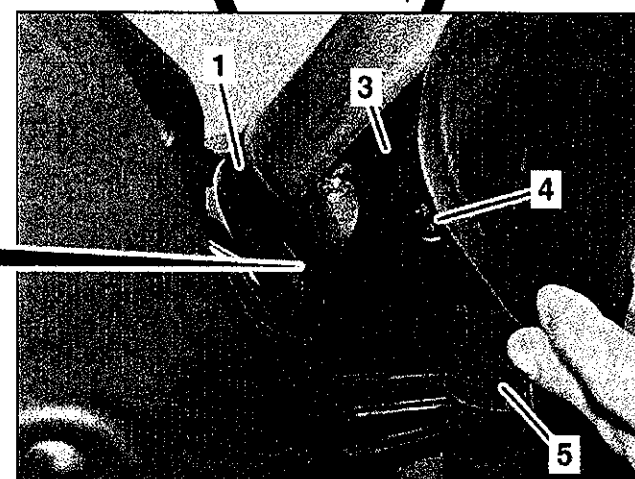
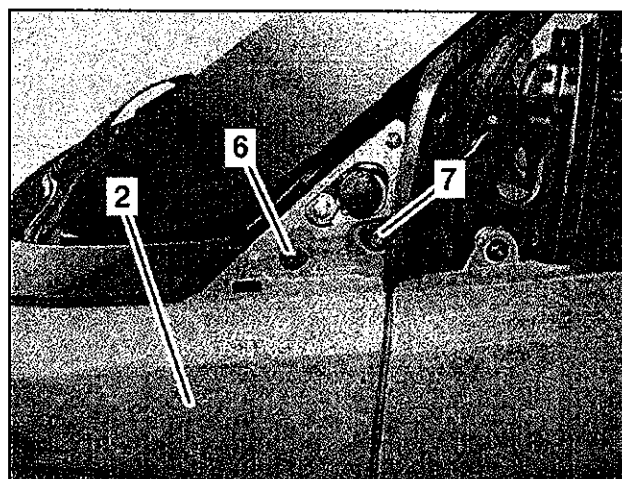
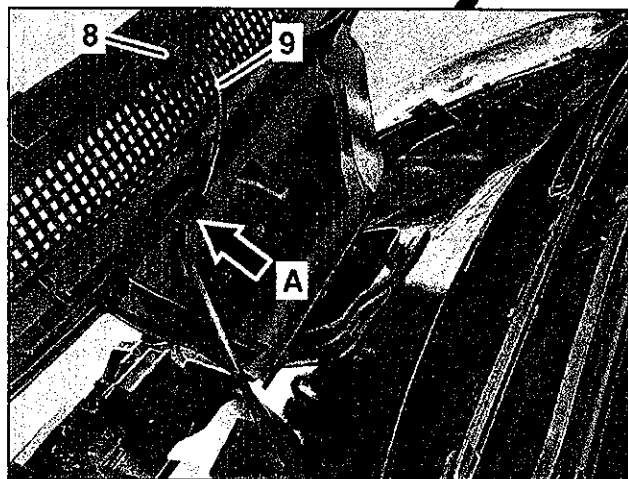
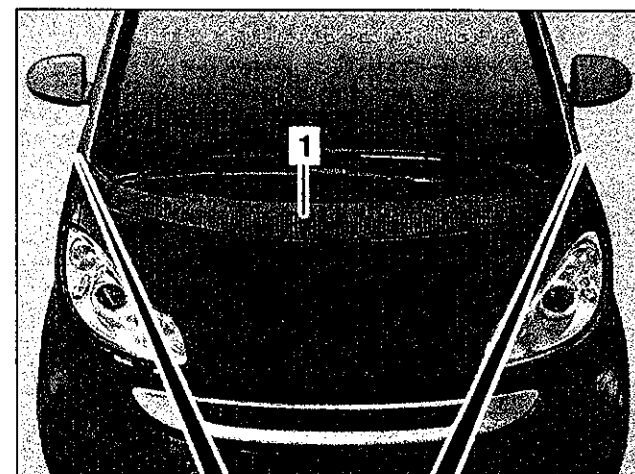
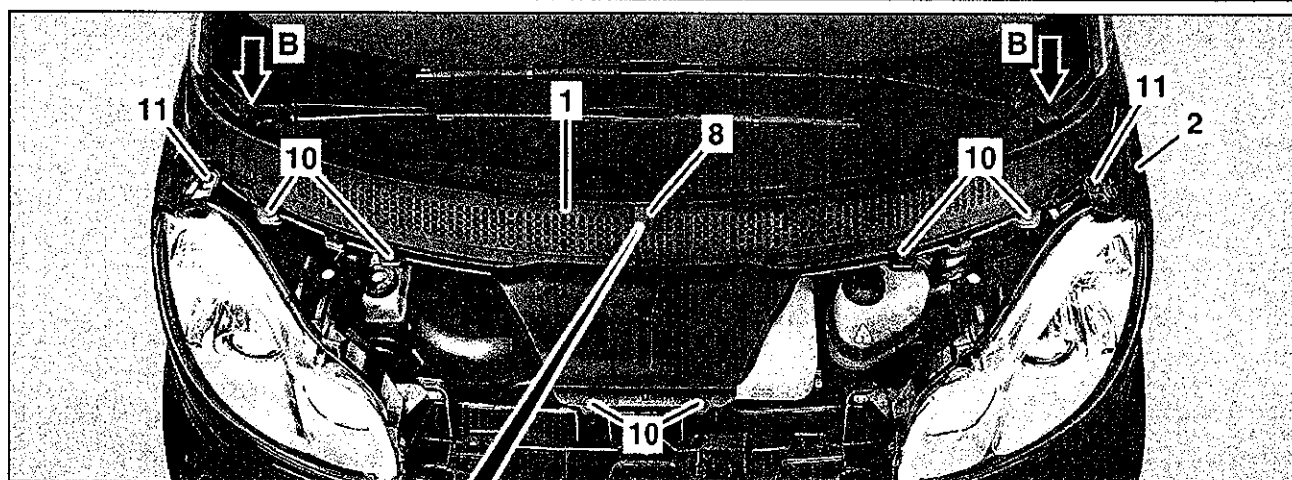
001 589 38 33 00

Puller

AR88.00-P-2792KD

Remove/install trim on center piece in front of windshield

4.8.08



- | | | | | | |
|---|----------------|---|--------------|----|-------|
| 1 | Trim | 5 | Edge guard | 9 | Hose |
| 2 | Front CBS | 6 | Bolt | 10 | Bolts |
| 3 | Fender cover | 7 | Bolt | 11 | Bolt |
| 4 | Expansion clip | 8 | Spray nozzle | | |

 	Remove/install		
1	Remove maintenance flap		
2	Remove antenna rod		
3	Open left and right door, press edge guard (5) to side in area of left and right fender covering (3) on both sides and remove expansion clip (4).		
4	Slightly slide left and right fender covering (3) upward and remove.		
5	Unscrew bolts (6, 7)	 Installation: Check whether guide sleeve on bolt (7) is seated correctly.	
6	Unscrew bolt (11) in area of left front lamp unit and right front lamp unit.		
7	Unscrew bolts (10) from paneling (1)		
8	Carefully remove trim (1) toward front and covering (arrow B) simultaneously toward rear until hose (9) on spray nozzle (8) is accessible.	 Installation: Observe installation position of hose (9) (arrow A) and covering (arrows B) in paneling (1).	

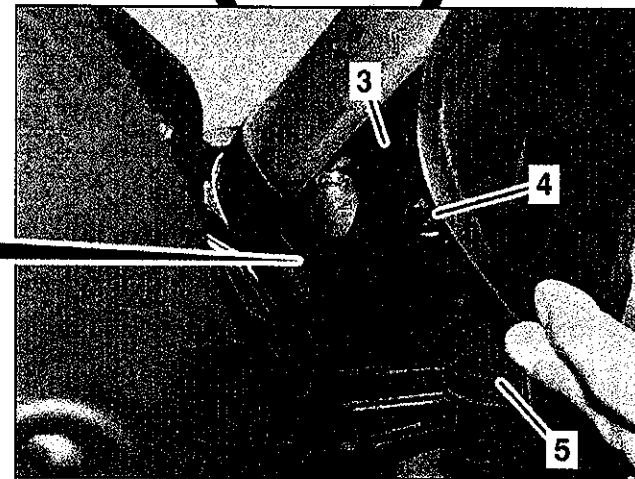
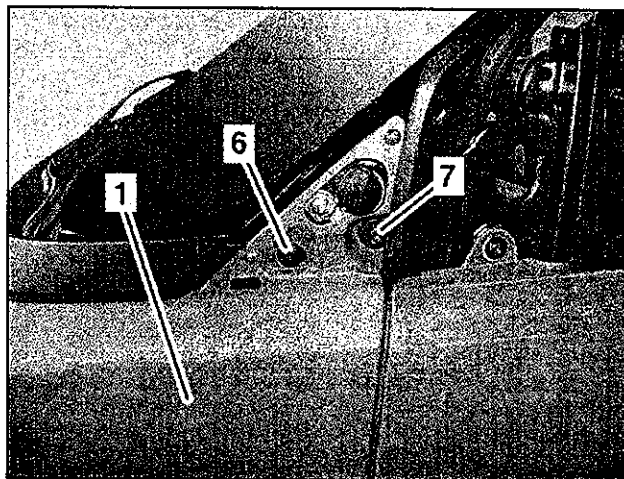
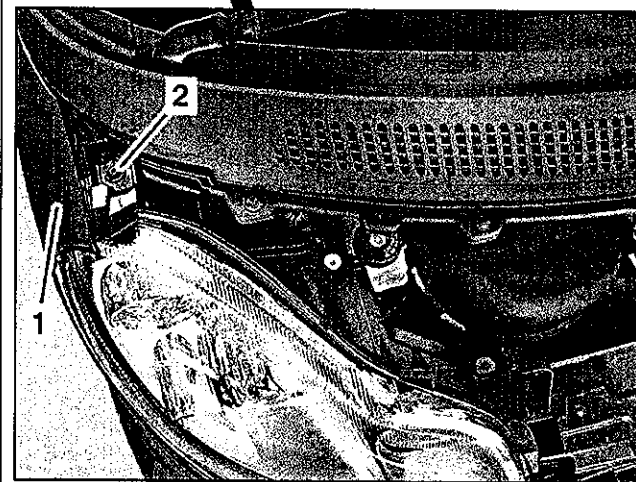
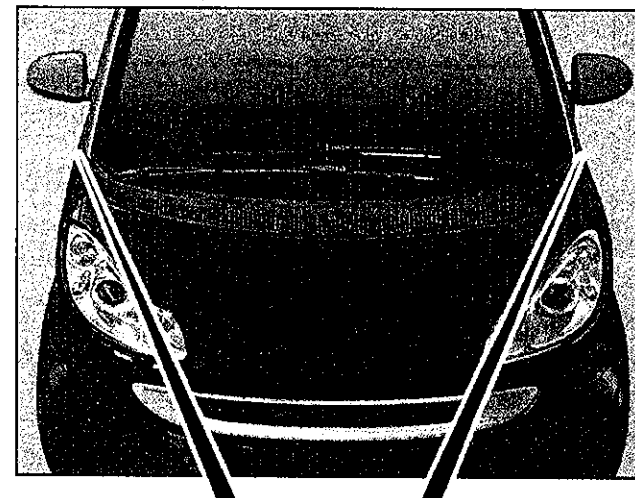
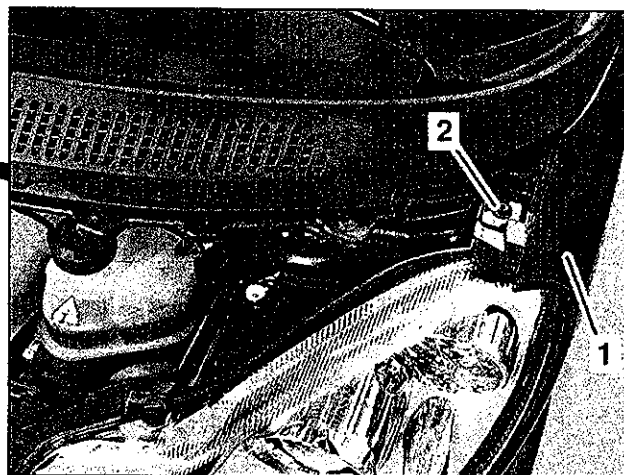
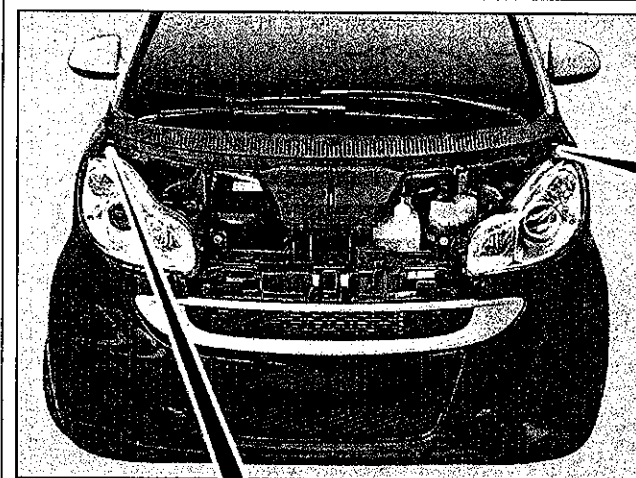


9	Remove hose (9) from spray nozzle (8) and lay trim (1) down to side.		
10	Loosen spray nozzle (8) from trim (1) from rear with suitable pliers and remove.	When replacing trim (1).	
11	Install in the reverse order		

AR88.00-P-1010KD

Remove/install front CBS

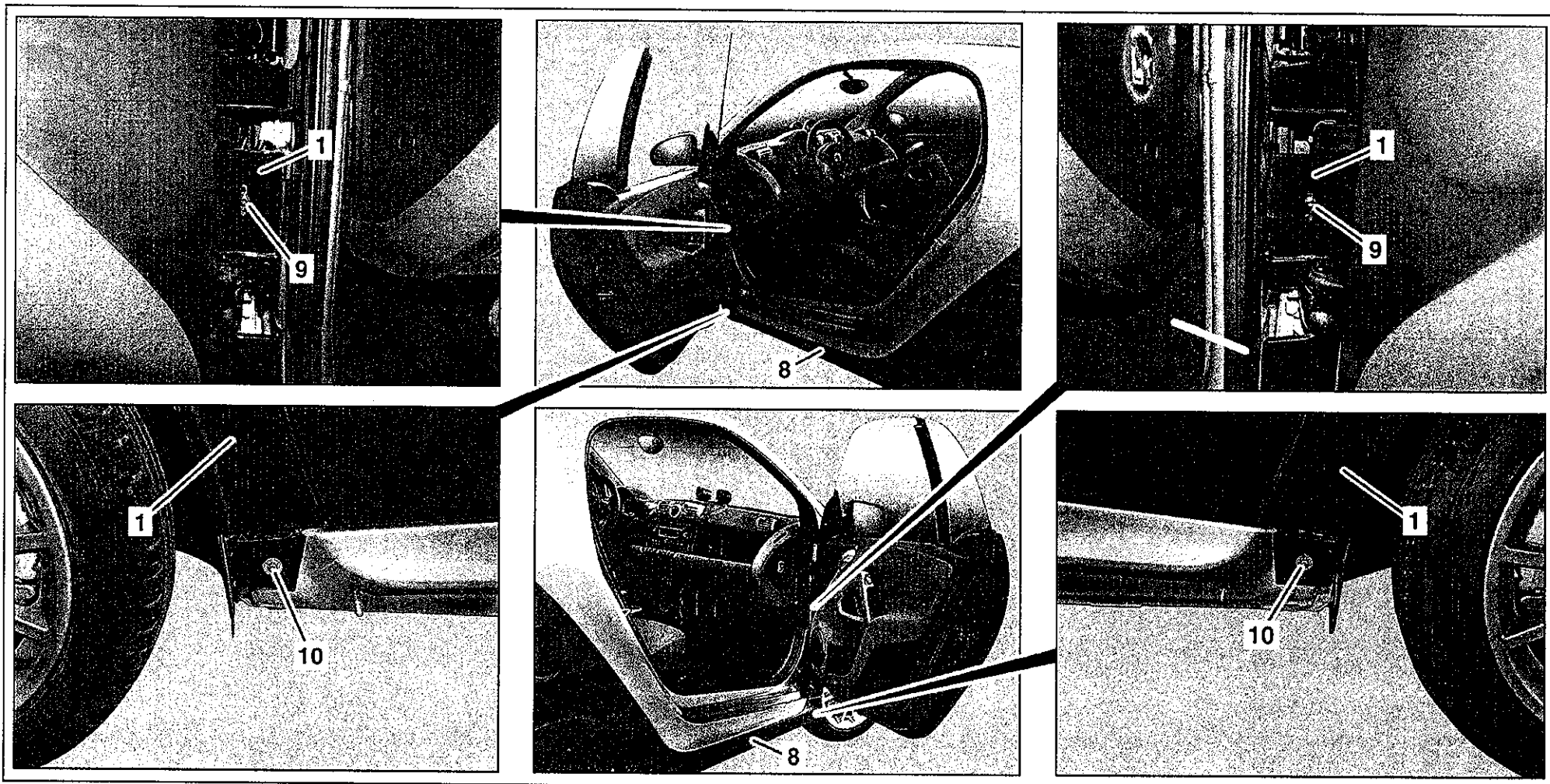
4.8.08



- 1 Front CBS
- 2 Bolt
- 3 Fender cover

- 4 Expansion clip
- 5 Edge guard

- 6 Bolt
- 7 Bolt





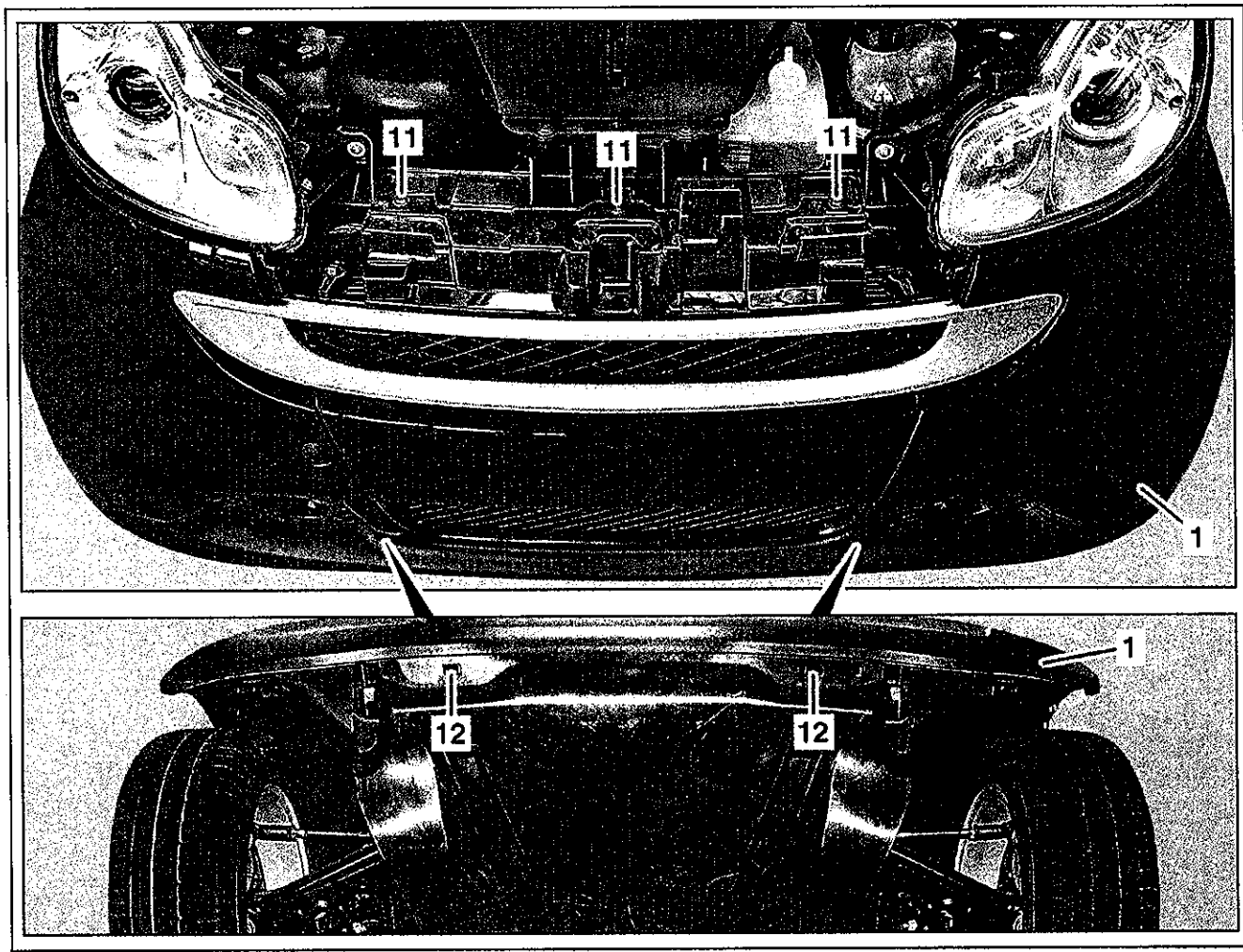
- 1 Front CBS
- 8 Longitudinal member paneling

- 9 Expansion clip

- 10 Bolt

Shown on vehicle with code (V07) Front fog lamps (FFO)

- 1 Front CBS
- 11 Bolt
- 12 Catch



 	Remove/install		
1	Remove antenna rod		
2	Open left and right door, press edge guard (5) to side in area of left and right fender covering (3) on both sides and remove expansion clip (4).		
3	Slightly slide left and right fender covering (3) upward and remove.		
4	Unscrew bolts (6, 7)	 Installation: Check whether guide sleeve on bolt (7) is seated correctly.	
5	Unscrew bolts (2) from front CBS (1).		
6	Remove expansion clip (9) in area of left and right door hinge.		
7	Unscrew bolts (10) located behind left and right longitudinal member paneling (8) from front CBS (1).		
8	Unscrew bolts (11) from front CBS (1).		
9	Loosen catches (12) on CBS front end (1) and remove CBS front end (1) with aid of helper.	 Lay front CBS (1) down on suitable subsurface.	
10	Install in the reverse order		

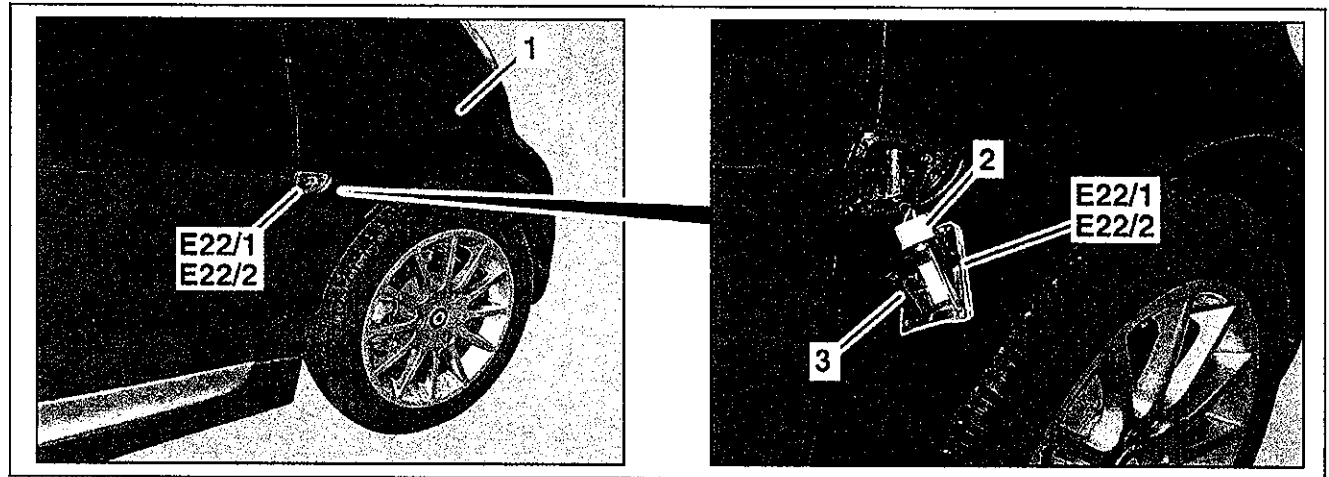
AR82.25-P-4726KD

Remove/install additional turn signal lamp

4.8.08

- 1 CBS front
- 2 Holder
- 3 Catch

E22/1 Left additional turn signal lamp
E22/2 Right additional turn signal lamp

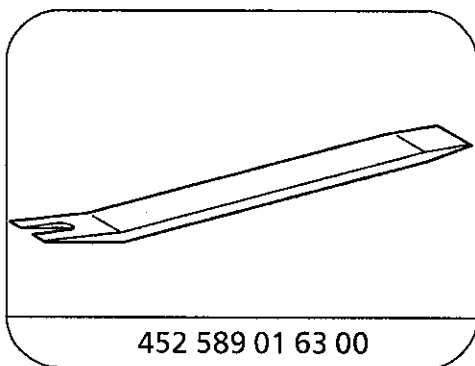


P82.25-2804-04

	Remove/install		
1	Release catch (3) using snap-release tool and remove left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2) from CBS front (1) until holder (2) is accessible		452 589 01 63 00
2	Rotate holder (2) counterclockwise by 90° and take out of left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2)	Installation: Ensure that the holder (2) is snapped into the left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2).	



3	Install in the reverse order		
4	Perform function test on left additional turn signal lamp (E22/1) or right additional turn signal lamp (E22/2)		

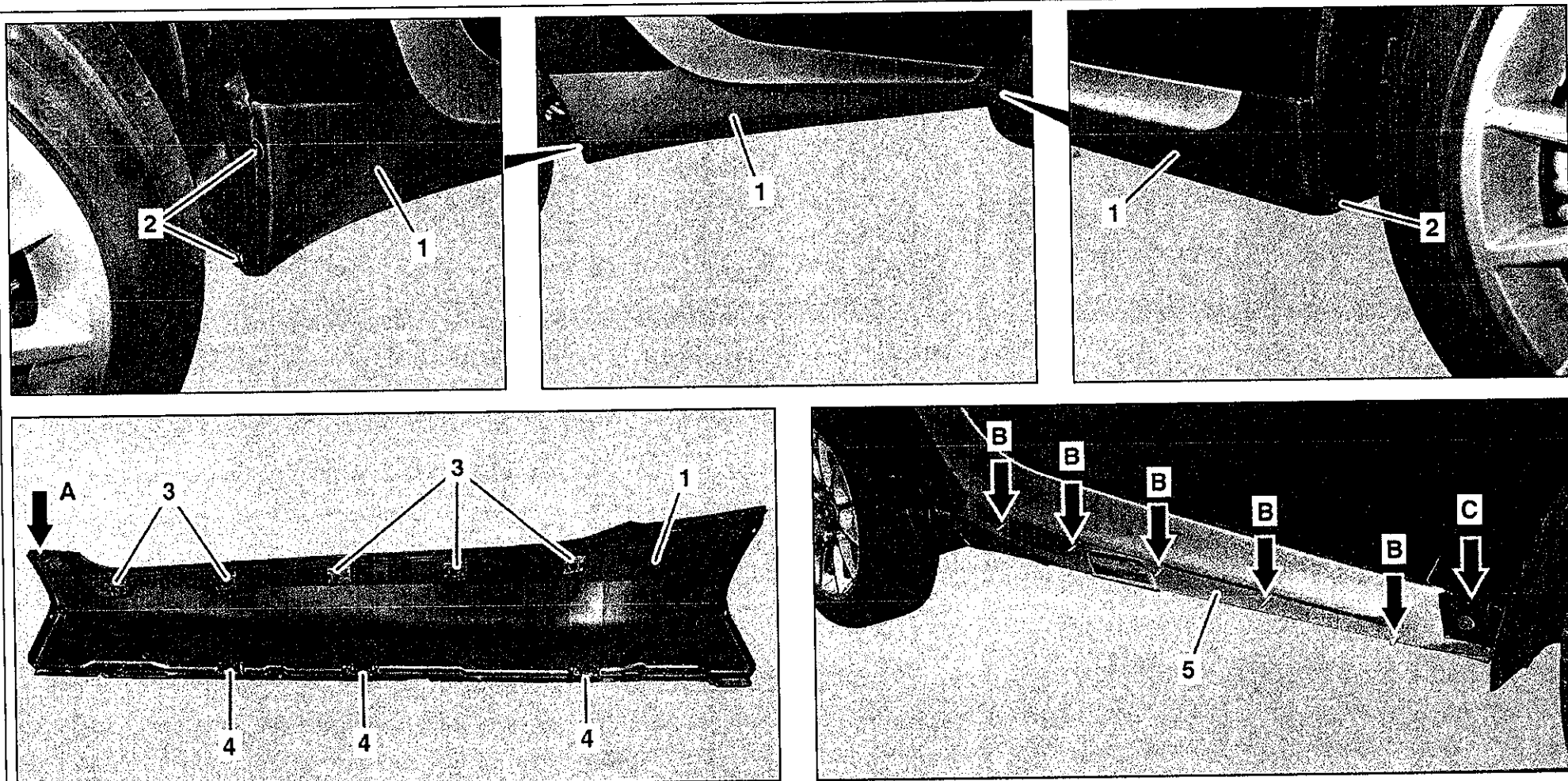


Snap-release tool

AR88.80-P-6000KD

Remove/install longitudinal member paneling

5.8.08



P88.20-3036-09



- 1

Longitudinal member paneling
- 2

Expansion clip
- 3

Bracket
- 4

Catch hook
- 5

Longitudinal member

	Removal		
1	Remove expansion clip (2) at front and rear from longitudinal member paneling (1).		
2	Unclip catch hook (4) on longitudinal member paneling (1) from longitudinal member (5).		
3	Carefully pull longitudinal member paneling (1) toward outside in front area and slide toward rear until bracket (arrow A) separates from guide (arrow C).		
4	Carefully pull longitudinal member paneling (1) in front area toward outside, slide toward rear and remove.		
5	Unscrew brackets (3) still located on the threaded studs (arrows B) on the longitudinal member (5).		
	Install		
6	Insert brackets (3) into guides on longitudinal member paneling (1).		



7	Position bracket (arrow A) in guide (arrow C) and clip brackets (3) on longitudinal member paneling (1) into threaded studs (arrows B) on longitudinal member (5).		
8	Clip catch hook (4) on longitudinal member paneling (1) into longitudinal member (5).		
9	Install expansion clip (2) on longitudinal member paneling (1) at front and rear.		

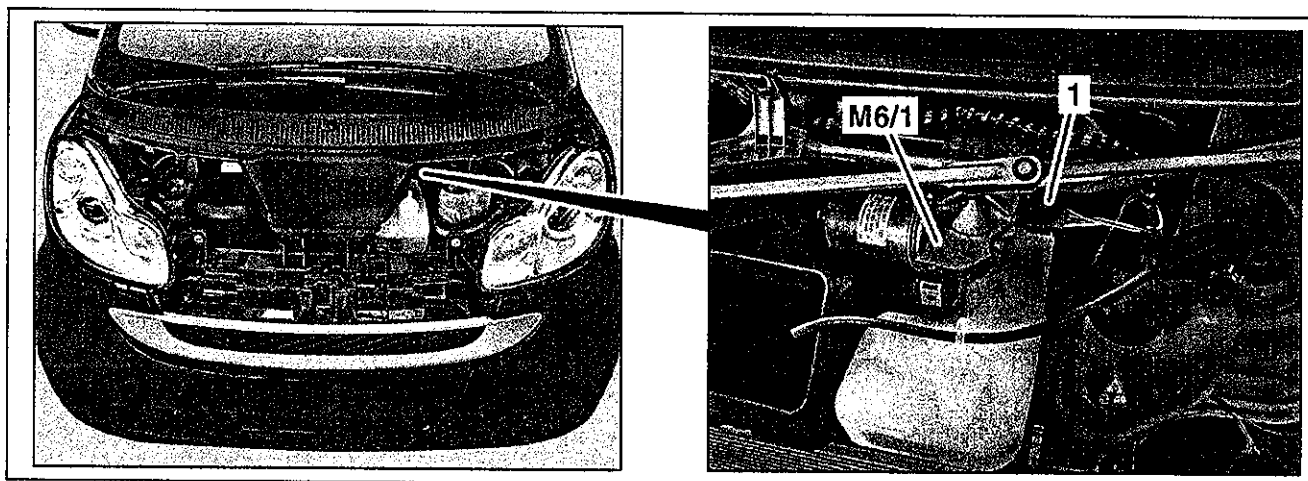
AR82.35-P-6975KD

Adjust spray nozzles of windshield washer system

4.8.08

1 Electrical connector

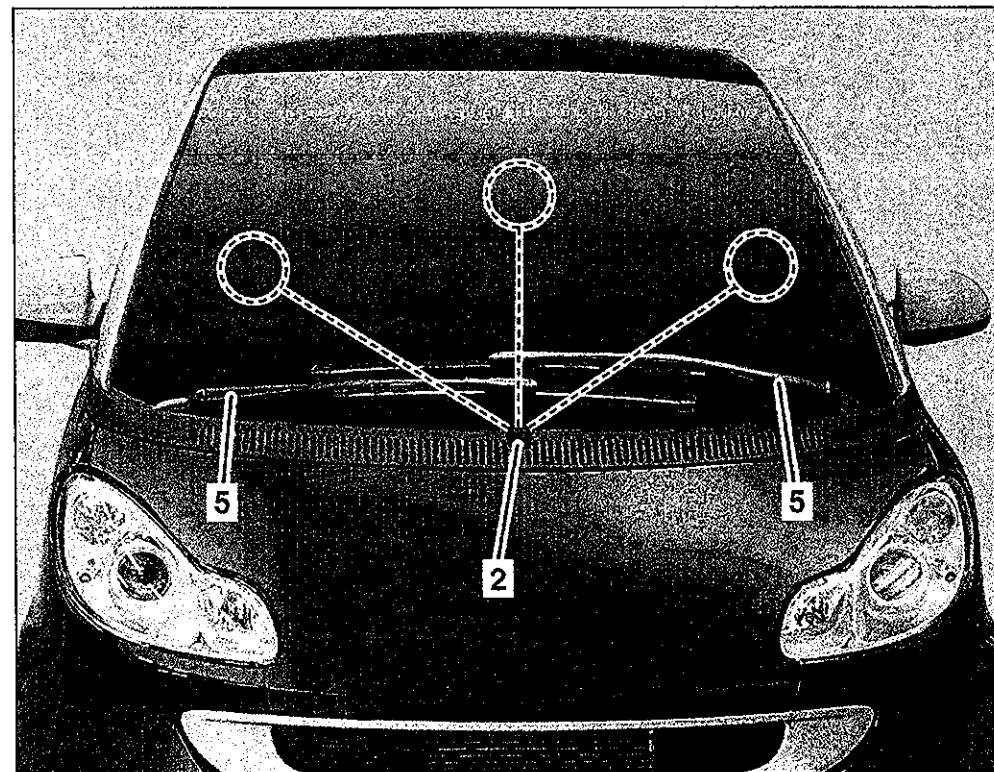
M6/1 Wiper motor



P82.35-2500-04

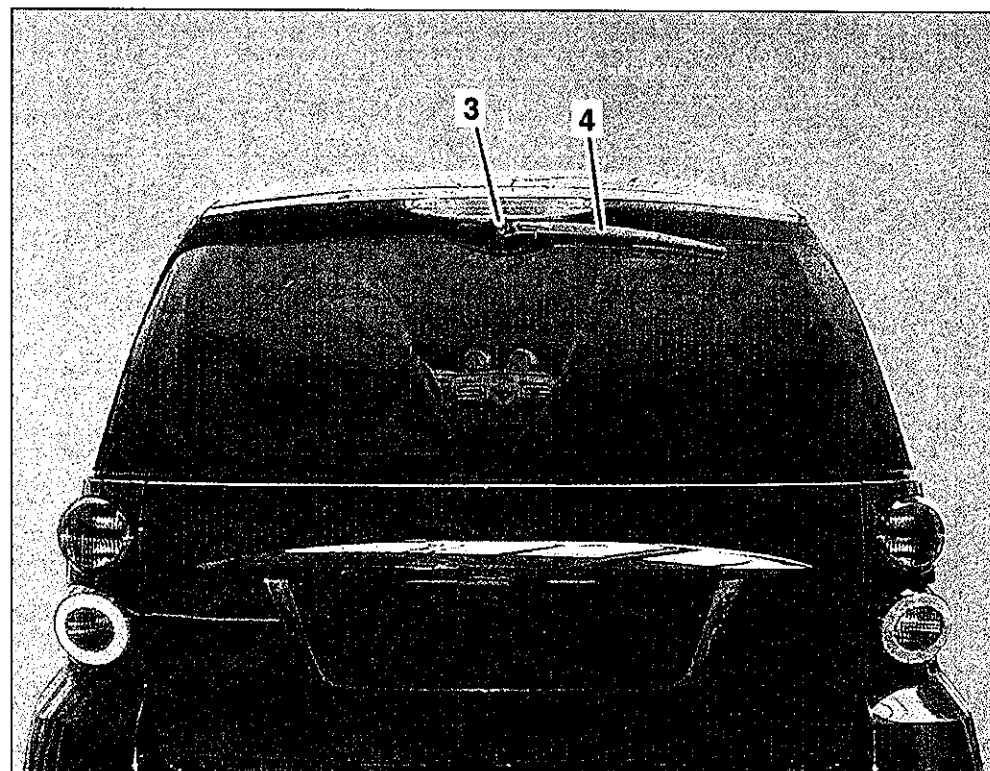


- 2 Windshield washer nozzle for windshield
- 5 Front wiper arm



P82.35-2501-11

- 3 Windshield washer nozzle for rear window (model 451.3)
- 4 Rear wiper blade (model 451.3)



P82.35-2492-11

	Adjust		
Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities.	Keep all body parts and limbs away from moving mechanical components.	

1	Move front wiper arms (5) from the parked position	i To do this, turn on ignition (circuit 15 or circuit 15R) and turn wiper switch to position "2". When the front wiper arms (5) are close to the reversing position, switch off ignition and turn wiper switch back to position "0".	
2	Disconnect electrical connector (1) from wiper motor (M6/1)		
3	Adjust windshield washer nozzle for windshield (2) according to the shown diagram		
4	Adjust windshield washer nozzle for rear window (3)	in case of MODEL 451.3 ! To prevent scratching the rear window, do not allow rear wiper blade (4) to run dry. i The windshield washer nozzle for rear window (3) cannot be aligned to certain points since it moves along with the wiper arm. It should spray onto the rear window in the center area in front of the rear wiper blade (4).	