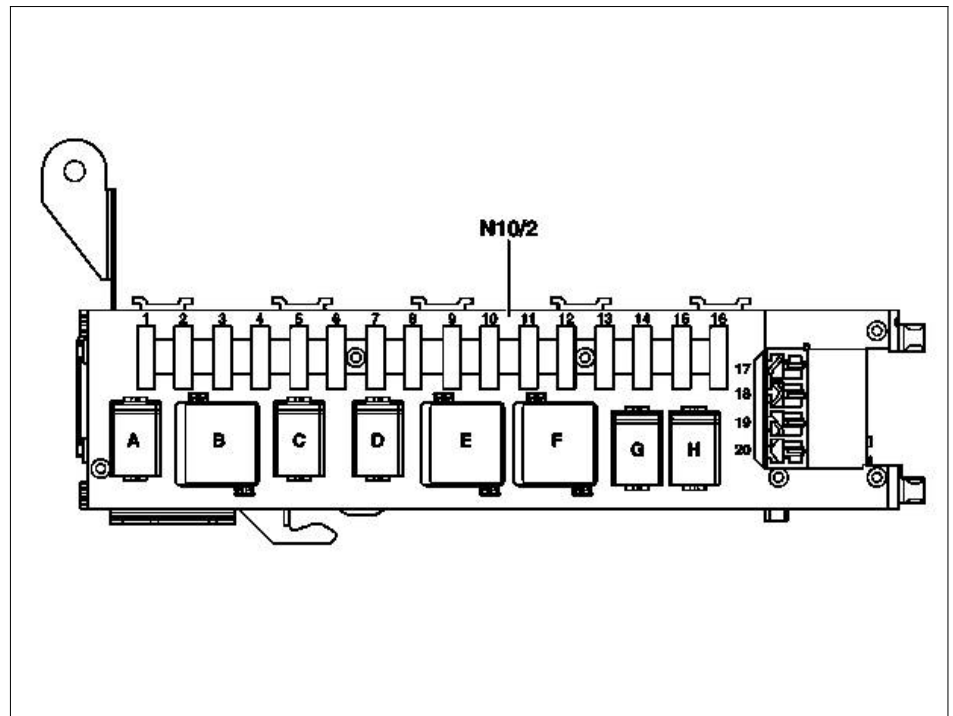


1 to 20 Socket

N10/2 Rear SAM control unit with fuse and relay module

A to H Relay



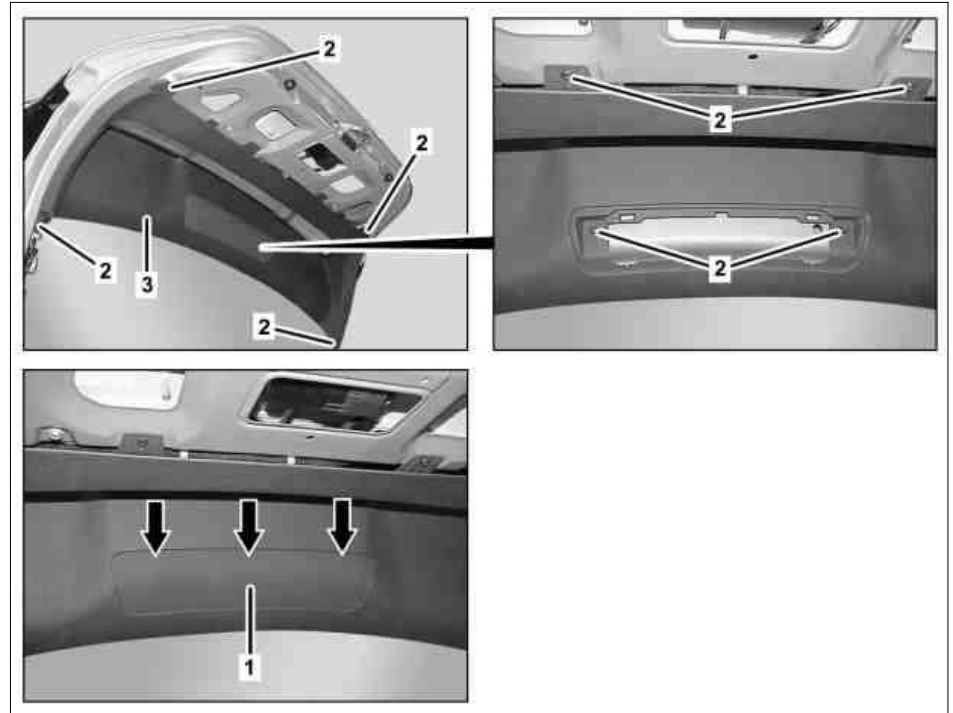
P54.15-2206-06

Socket	Fuse	Circuit	Plug cage	Fused line	Fused function	Rating in amperes (A)
1	N10/2f1	15R	1, pin 6	BKPK 2.5 mm ²	Valid for model 203.0/2/7 with code (242) Electrically adjustable front passenger seat with memory: <ul style="list-style-type: none"> Front passenger front seat adjustment control unit with memory (N32/2) 	30
			1, pin 6	BKPK 2.5 mm ²	Valid for model 203.0/2 without code (242) Electrically adjustable front passenger seat with memory: <ul style="list-style-type: none"> Front passenger partially-electric seat adjustment switch (S23/1) 	30
2	N10/2f2	15R	1, pin 5	BKYE 2.5 mm ²	Valid for model 203.0/2/7 with code (275) Electrically adjustable driver seat, steering column and outside mirrors with memory: <ul style="list-style-type: none"> Driver front seat adjustment control unit with memory (N32/1) 	30
			1, pin 5	BKYE 2.5 mm ²	Valid for model 203.0/2 without code (275) Electrically adjustable driver seat, steering column and outside mirrors with memory: <ul style="list-style-type: none"> Driver partially-electric seat adjustment switch (S22/1) 	30
3	N10/2f3	30	17, pin 1	RDGN 0.75 mm ²	Valid for model 203.0 with code (220) Parktronic system (PTS): <ul style="list-style-type: none"> Dome lamp (A44/3e3) 	7.5
			17, pin 1	RDGN 0.75 mm ²	Valid for model 203.7: <ul style="list-style-type: none"> Dome lamp (E15/3e3) 	7.5
			17, pin 1	RDGN 0.5 mm ²	Valid for model 203.2 with code (220) Parktronic system (PTS): <ul style="list-style-type: none"> Dome lamp (A44/3e3) Right luggage compartment lamp (E18/4) Left luggage compartment lamp (E18/5) 	7.5
			16, pin 1	RDGN 0.5 mm ²	Valid for code (228) Stationary heater: <ul style="list-style-type: none"> STH radio remote control receiver (A6/1) 	7.5
			9, pin 1	RDYE 0.75 mm ²	Valid for code (860) TV tuner: <ul style="list-style-type: none"> TV tuner (A2/42) (up to 29.2.04) TV tuner (MOST) (A2/10) (as of 1.4.04) 	20
4	N10/2f4	30	-	-	<ul style="list-style-type: none"> Fuel pump relay (N10/2kA) 	20

5	N10/2f5	30	27, pin 3	RD 0.75 mm ²	Valid for engine 112.961 (up to 31.3.04): ● Charge air cooler circulation pump (M44) Valid without engine 112.961: ● Backup relay 2 (N10/2kC)	20
6	N10/2f6	30	28, pin 1	-	● Spare	25
7	N10/2f7	15R	-	-	● Backup relay 1 (N10/2kD)	7.5
8	N10/2f8	30	23, pin 4	RDYE 0.75 mm ²	Valid for model 203.0/7 (up to 31.3.04), model 203.2: ● Amplifier module 1, window antenna (A2/71) Valid for model 203.0/7 (as of 1.4.04): ● Amplifier module 2, window antenna (A2/72) Valid for code (551) Anti-theft alarm system (ATA [EDW]): ● Alarm signal horn (H3) ● ATA [EDW] inclination sensor (B33)	7.5 7.5 7.5
9	N10/2f9	30	22, pin 4	RDBU 2.5 mm ²	● Overhead control panel control unit (N70)	25
10	N10/2f10	15R	20, pin 5	BK 2.5 mm ²	● Heated rear window (R1)	40
11	N10/2f11	30	20, pin 3	-	● Spare	20
12	N10/2f12	15R	20, pin 2	BKGN 1.5 mm ²	Valid for model 203.2: ● Interior socket (X58/1) Valid for model 203.0 with code (494) USA version (up to 31.3.04): ● Power outlet (X58/27)	15 15
13	N10/2f13	15R	19, pin 1	BKYE 0.75 mm ²	Valid for model 203.0/2 with code (404) Left multicontour seat and code (405) Right multicontour seat: ● Multicontour seat pneumatic pump (M40) Valid for code (813) Voice control system (VCS [SBS]): ● Voice control system control unit (A35/11) Valid for code (498) Japan version: ● VICS+ETC voltage supply separation point (X137/1) Valid for model 203.0/2 without code (220) Parktronic system (PTS): ● Rear dome lamp (E15/3) Valid for model 203.0/2 with code (220) Parktronic system (PTS): ● Rear dome lamp PTS warning indicator (A44/3) ● PTS control unit (N62)	5 5 5 5 5
14	N10/2f14	15R	20, pin 1	BKYE 1.5 mm ²	Valid for model 203.2: ● Tailgate wiper motor (M6/4)	15
15	N10/2f15	30	-	-	● Fuel filler cap polarity change relay 1 (N10/2kG) ● Fuel filler cap polarity change relay 2 (N10/2kH)	10
16	N10/2f16	30	5, pin 1	RDBK 0.75 mm ²	Valid for code (813) Voice control system (VCS [SBS]): ● Voice control system control unit (A35/11)	20
17	N10/2f17	30	S17 (external fuse)	RDGN 2.5 mm ²	Valid for code (550) Trailer hitch: ● Trailer recognition control unit (N28/1)	20
18	N10/2f18	30	S18 (external fuse)	RDYE 2.5 mm ²	Valid for code (550) Trailer hitch: ● Trailer hitch socket (13-pin) (X58)	20
19	N10/2f19	30	S19 (external fuse)	RDWH 1.5 mm ²	Valid for model 203.0/2 with code (404) Left multicontour seat and code (405) Right multicontour seat: ● Multicontour seat pneumatic pump (M40)	20
20	N10/2f20	30	S20 (external fuse)	RDBU 1.5 mm ² RDBU 0.75 mm ²	Valid for model 203.2/7 with code (494) USA version: ● Power outlet (X58/27) Valid for model 203.0 with code (540) Electric rear window roller blind: ● Rear window roller blind relay (K74)	15 15

MODEL 203.7## #A,
203.7## #E up to 035817

- 1 Cover
- 2 Bolts
- 3 Upper rear-end door paneling



P68.30-3361-06

☒ ☒	Remove/install		
1	Remove bottom rear-end door paneling		AR68.30-P-1060PB
2	Remove inner paneling at rear window		AR68.30-P-1080PB
3	Unclip cover (1) (arrows)		
4	Unscrew bolts (2) from upper rear-end door paneling (3)		
5	Unclip upper rear-end door paneling (3) and remove	i Installation: Insert upper rear-end door paneling (3) into corresponding guides.	
6	Install in the reverse order		

MODEL 203.0 /2,
203.7## #A,
203.7## #E up to 035817

Shown on left front door on vehicle up to
28.2.02

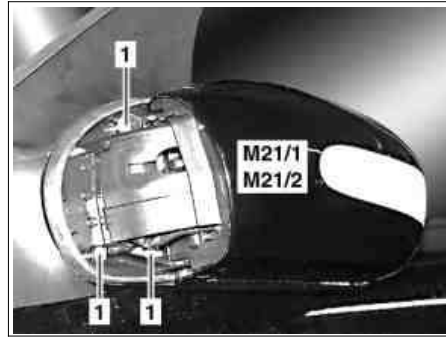
1 Screw

M21/1 Left electrically adjustable and
heated outside mirror

M21/1x1 Left electrically adjustable and
heated exterior mirror connector

M21/2 Right electrically adjustable and
heated outside mirror

M21/2x1 Right electrically adjustable and
heated exterior mirror connector



P88.70-2069-01



P88.70-2508-01

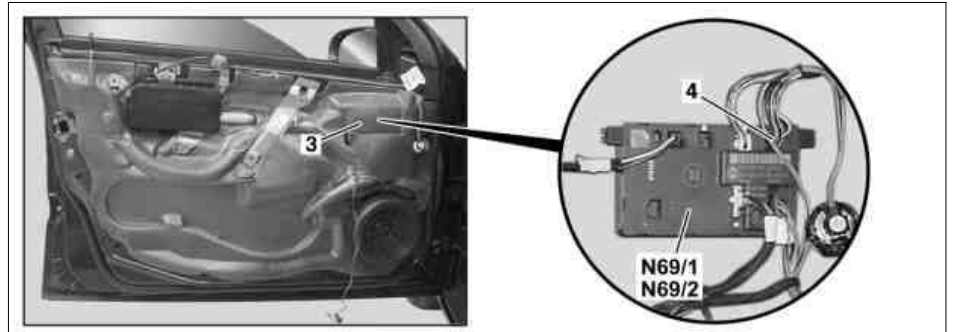
Shown on left front door on vehicle as of
1.3.02

3 Door foil

4 Electrical connector

N69/1 Door control module front left

N69/2 Door control module front right

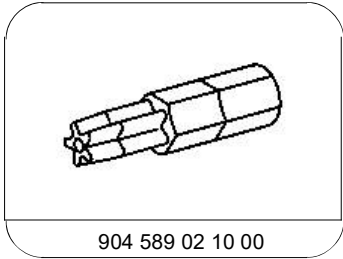


P88.70-2516-04

	Remove/install		
1	Fold left electrically adjustable and heated outside mirror (M21/1) or right electrically adjustable and heated outside mirror (M21/2) toward rear		
2	Remove front door lining	In vehicles as of 1.3.02	AR72.10-P-1000P
3	Loosen door foil (3) in area of left front door control unit (N69/1) or right front door control unit (N69/2)	In vehicles as of 1.3.02	
4	Disconnect electrical connector (4) from left front door control unit (N69/1) or right front door control unit (N69/2)	In vehicles as of 1.3.02	
5	Remove bolts (1)	Vehicles as of 1.12.04	*BA72.10-P-1011-01A *904589021000
6	Disconnect left electrically adjustable and heated outside mirror connector (M21/1x1) or right electrically adjustable and heated outside mirror connector (M21/2x1)	In vehicles up to 28.2.02	
7	Remove left electrically adjustable and heated outside mirror (M21/1) or right electrically adjustable and heated outside mirror (M21/2)		
8	Install in the reverse order		

Front door

Number	Designation	Model 203
BA72.10-P-1011-01A	Rearview mirror on front door	Nm 2.5



904 589 02 10 00

Screwdriver insert

MODEL 203, 209

Shown on Model 203.0

1 Electrical connectors

E19/1 Left license plate lamp




E19/2 Right license plate lamp



P82.10-2541-06

Modification notes

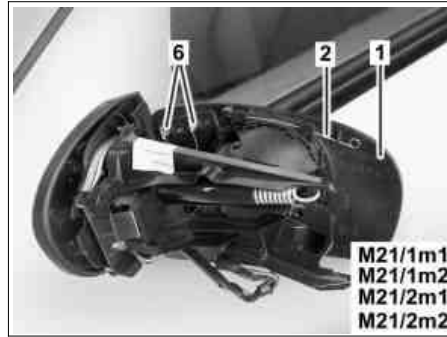
24.5.06	"Disconnect/connect battery ground line" removed		
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 	Remove/install		
1.1	Remove outer paneling at trunk lid	Model 203.0 Model 203.2 Model 209.3 Model 209.4	AR88.50-P-5080P AR88.50-P-5080PA AR88.50-P-5080Q AR88.50-P-5080QA
1.2	Remove upper rear-end door paneling	Model 203.7## #A, Model 203.7## #E up to 035817 Model 203.7## #E with code (809) Model year 2009	AR68.30-P-1070PB AR68.30-P-1070PC
2	Unclip left license plate lamp (E19/1) or right license plate lamp (E19/2)	 Installation: Ensure that seal in left license plate lamp (E19/1) or right license plate lamp (E19/2) is correctly seated.	
3	Disconnect electrical connector (1) from left license plate lamp (E19/1) or right license plate lamp (E19/2)		
4	Install in the reverse order		

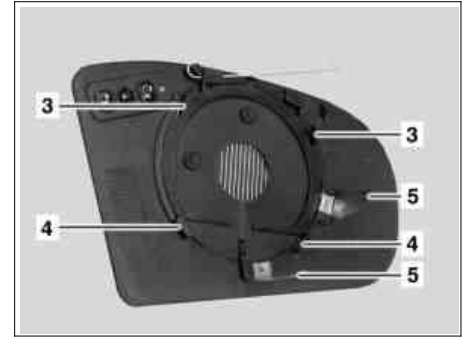
MODEL 203.0 /2,
203.7## #A,
203.7## #E up to 035817

Shown on removed outside mirror paneling

- 1 Mirror glass
- 2 Retaining spring
- 3 Upper catch hook
- 4 Lower catch hook
- 5 Guide lugs
- 6 Electrical connectors



P88.70-2511-01





P88.70-2066-01

M21/1m1 Mirror up/down adjustment motor
M21/1m2 Mirror in/out adjustment motor

M21/2m1 Mirror up/down adjustment motor
M21/2m2 Mirror in/out adjustment motor

Modification notes

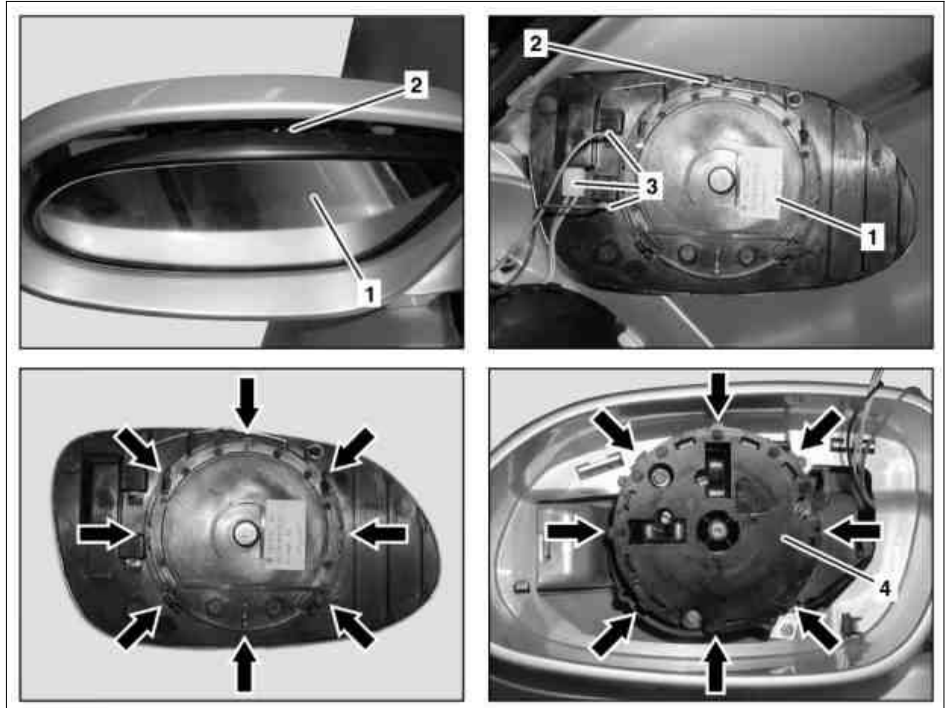
23.1.08	Removal and installing of outside mirror paneling eliminated		
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 	Remove/install		
1	Tilt mirror glass (1) toward rear at top		
2	Unhook retaining spring (2) with screwdriver		
3	Push upper catch hooks (3) to side		
4	Remove mirror glass (1) from drive	i Installation: First move mirror glass (1) with lower catch hooks (4) into guides on mirror adjustment up/down motor (M21/1m1 or M21/2m1) and mirror adjustment in/out motor (M21/1m2 or M21/2m2).	
5	Disconnect electrical connectors (6) and remove mirror lens (1)		
6	Install in the reverse order		

MODEL 211.0 /2 /6 up to 31.5.06
MODEL 230.4## ## up to 064520 except CODE (804) Model year 2004
MODEL 240

Shown on model 230

- 1 Mirror lens
- 2 Retaining spring
- 3 Electrical connectors
- 4 Glass adjustment drive

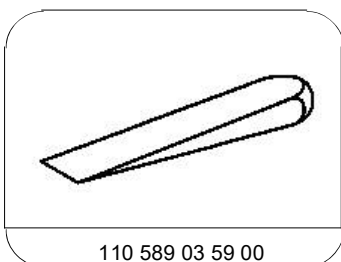


P88.70-2121-06

Modification notes

15.8.06	"Disconnect/connect battery ground line" removed	Model 240	
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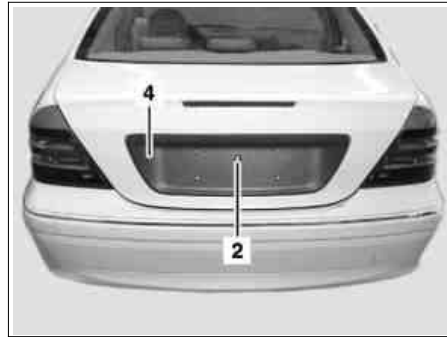
☒ ☒	Remove/install		
⚠ Danger!	Risk of injury. Skin, eye and respiratory system irritation may occur through contact or inhalation of substances contained in the mirror lens.	Wear protective gloves and safety glasses.	AS60.00-Z-0008-01R
1	Tilt out mirror lens (1) upward		
2	Press retaining spring (2) upward with suitable screwdriver and press mirror lens (1) away from glass adjustment drive (4) with mounting wedge.	<div style="border: 1px solid black; padding: 2px; display: inline-block;">S</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> i Installation: Clip mirror lens (1) into glass adjustment drive (4) from bottom upward. Thereby observe retaining spring (2) and arrests (arrows) on mirror lens (1) and glass adjustment drive (4). </div>	*110589035900
3	Disconnect electrical connectors (3) and remove mirror lens (1)		
4	Install in the reverse order		



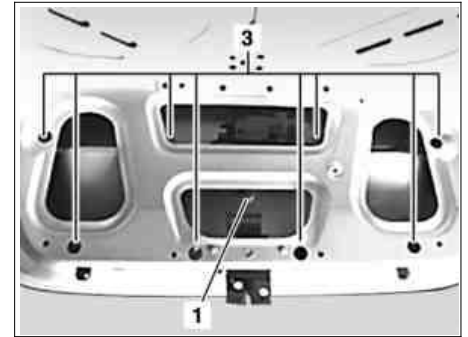
Wedge tool

MODEL 203.0

- 1 Nut
- 2 Bolt
- 3 Bolts
- 4 Outer paneling



P88.50-2452-01



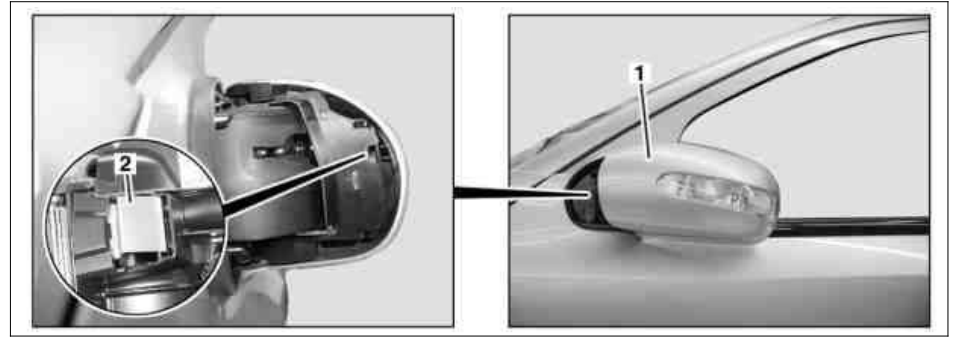
P88.50-2453-01

☒ ☒	Remove/install		
1	Remove rear license plate		
2.1	Unscrew license plate holder	If available	
3	Remove paneling at trunk lid		AR68.30-P-8150P
4	Unscrew nut (1)		
5	Remove bolt (2)		
6	Unscrew bolts (3)		
7	Remove outer paneling (4)		
8	Install in the reverse order		

MODEL 203.0 /2,
203.7## #A,
203.7## #E up to 035817

Shown on model 203.0



- 1 Outside mirror trim
- 2 Retaining clamp

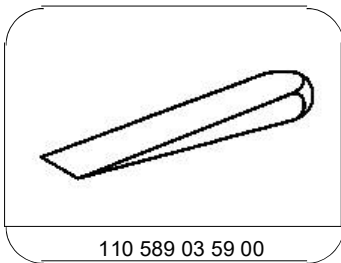


P88.70-2144-04

Modification notes

10.12.04	"Glue slip band to outside mirror" added	Step 4	
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	Remove/install		
⚠ Danger!	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities	No parts of the body or limbs should be within the operating range of the mechanism when moving components.	AS00.00-Z-0009-01A
1	Fold outside rearview mirror toward rear	i Installation: Outside rearview mirror should catch.	
2	Press retaining clip (2) back with suitable tool and remove outside mirror paneling (1)		
3	Install in the reverse order		
4	Glue sliding tape to outside mirror paneling (1)	On vehicles with code (500) Folding left/right outside mirrors  Slip band Cleaner	AR88.70-P-9040-01P *110589035900 *BR00.45-Z-1088-02A *BR00.45-Z-1025-04A

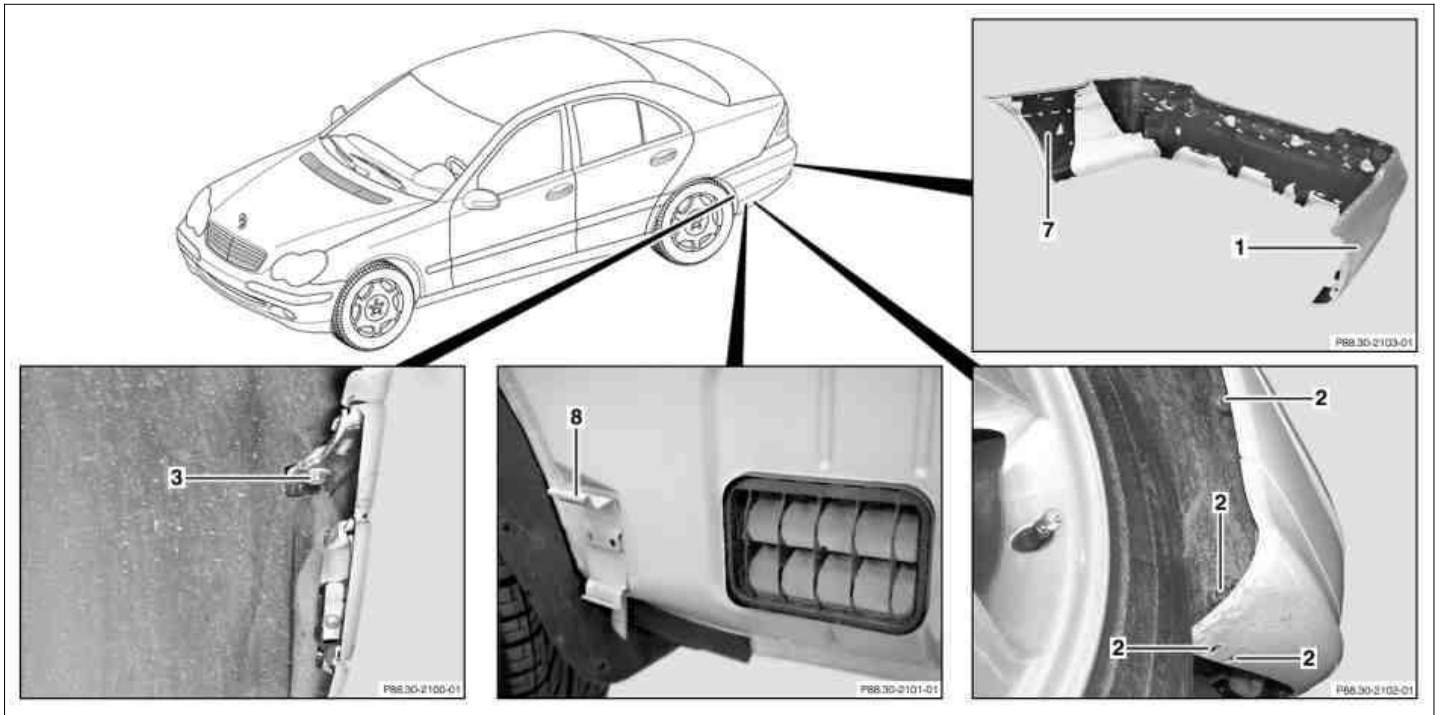


110 589 03 59 00

Mounting wedge

Repair materials

Number	Designation	Order number
BR00.45-Z-1088-02A	Slip band	A 211 811 00 96
BR00.45-Z-1025-04A	Cleaner	A 005 989 19 71



P88.30-2104-09

1 Bumper
2 Clips

3 Screw
7 Bracket

8 Guide



P88.30-2099-09











4 Nut
5 Screw

6 Nut
10 Adjustment bolt

11 Nut
"b" Gap dimension

Modification notes

16.2.00	Value changed from 20 Nm to 6 Nm	Value modified in BA88.20-P-1002-02A Model 203	*BA88.20-P-1002-01A
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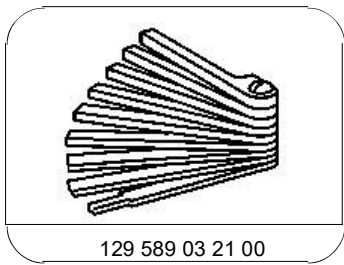
	Removing		
1	Remove trim in trunk	 Left and right side wall paneling and trunk floor paneling.	AR68.30-P-4600P
2.1	Disconnect PTS, rear bumper connector (X35/28)	With code 220a (Parktronic system).	
3	Remove clips (2) from inner fender and rear bumper		
4	Unscrew bolt (3)	 Left and right side	
5	Unscrew screw from rear exhaust mount		
6.1	Unscrew nuts (4, 11) and screw (5)	 Without code 550 (trailer hitch)  Left and right side	
6.2	Loosen nuts (6) on adjustment screw (10)	 With code 550 (trailer hitch).  Left and right side	
7	Remove bumper (1)		
	Install		
8	Convert M-AMG bumper	 Refer to installation instructions for accessories.	
<input type="checkbox"/>	Retrofit AMG trim parts		AZ88.00-P-0001L
9.1	Install bumper (1)	 Without code 550 (trailer hitch).  When installing ensure that mount (7) are moved into guides (8) on left and right.	
9.2	Install bumper (1)	 With code 550 (trailer hitch).  When installing ensure that mount (7) are moved into guides (8) on left and right. Move adjustment screws (10) into retaining sheet metal plates.	
10	Screw in bolts (3)	 Move bumper until edge of bumper (1) is flush with edge of rear fender.  Check bumper gaps (1), correct if necessary.  Left and right side 	*BE88.20-P-1002-01A *129589032100
11.1	Screw in nut (4) and screw (5)	 Without code 550 (trailer hitch).  Left and right side  	*BA88.20-P-1005-01A *BA88.20-P-1009-01A
11.2	Screw in nuts (11)	 Without code 550 (trailer hitch).  Left and right side 	*BA88.20-P-1002-01A
12.1	Position nuts (6) and tighten	 With code 550 (trailer hitch). Tighten nuts (6) only to point that it is possible to turn the adjustment bolts (10). Adjust uniform gap on bumper (1) with adjustment bolts (10).	
13	Screw screw into rear exhaust mount		
14	Press in clips (2)		
15	Connect rear bumper PTS connector (X35/28)	 With code 220a (Parktronic system).	
16	Install paneling in trunk	 Left and right side wall paneling and trunk floor paneling.	AR68.30-P-4600P

Bumper gap dimensions

Number	Designation	Model 203
BE88.20-P-1002-01A	Di- Rear bumper, gap dimension "B" men- sion	mm 6
	See picture	AR88.20-P-2200E

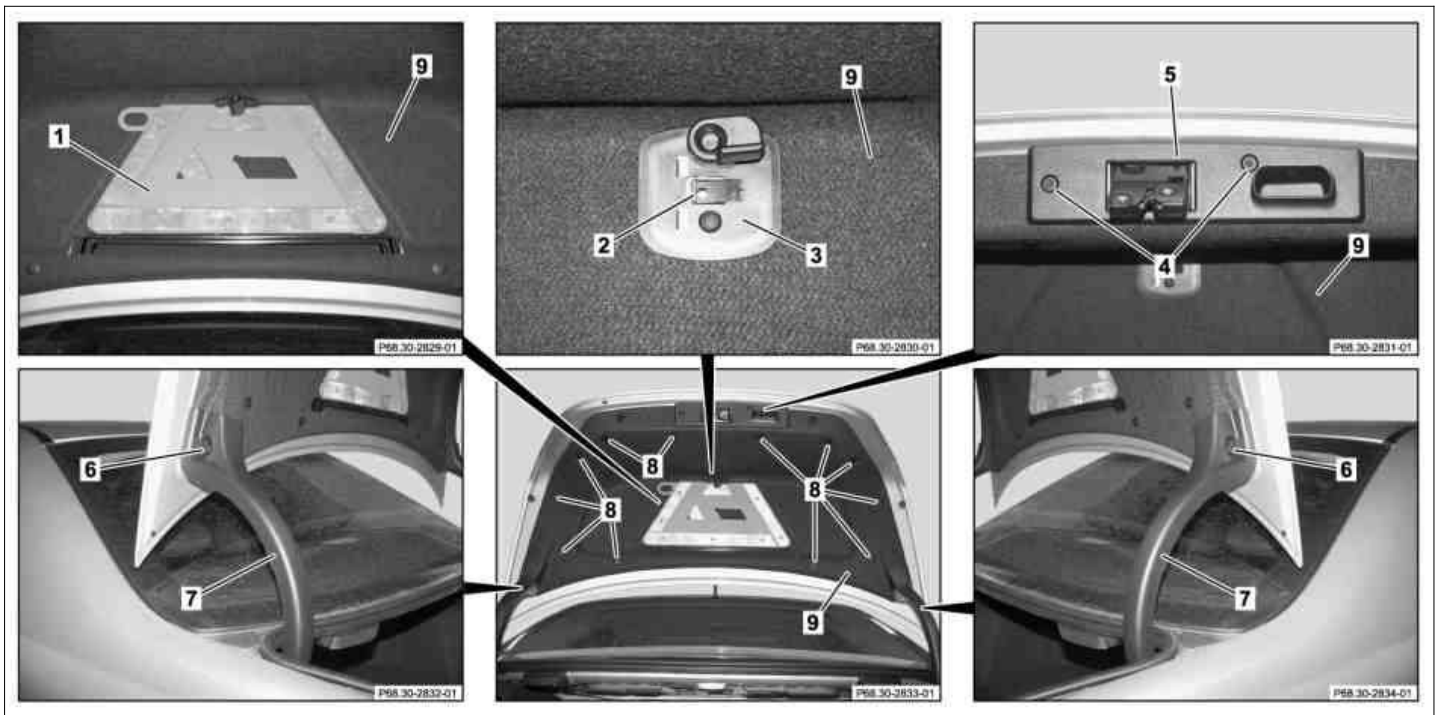
Nm Bumper

Number	Designation	Model 203
BA88.20-P-1002-01A	Nut of rear bumper to rear center section Nm	6
BA88.20-P-1005-01A	Bolt with seal washer of rear bumper to side fender Nm	8
BA88.20-P-1009-01A	Screw for bumper on side wall in area of taillamp Nm	6



129 589 03 21 00

Feeler gauge



P68.30-2828-09

- 1 Hazard warning triangle
- 2 Retaining clamp
- 3 Bracket

- 4 Bolts
- 5 Door lock paneling
- 6 Spreading clip

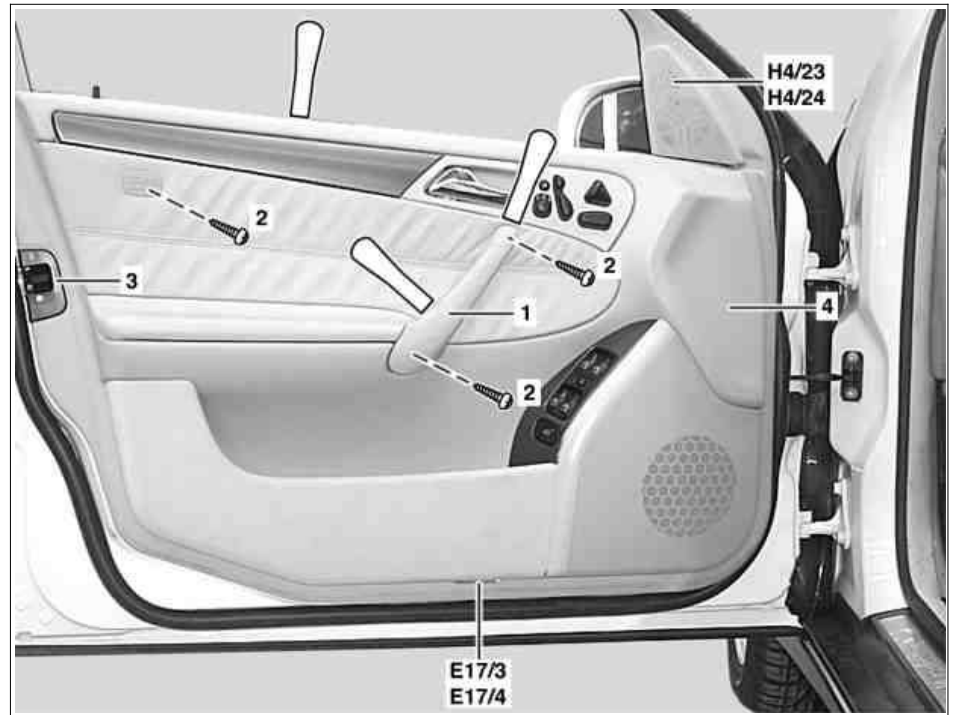
- 7 Hinge lever cover
- 8 Spreading clips
- 9 Paneling on trunk lid

☒ ☒	Remove/Install		
⚠	Danger!	Risk of injury to fingers being jammed or pinched when removing and installing or aligning hoods, doors, trunk lid/tailgate or sliding roof.	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.
1	Open trunk lid		
2	Unlock hazard warning triangle (1) and remove.		
3	Lift retaining clamp (2) with a suitable tool		
4	Slide bracket (3) to the left and remove.		
5	Remove bolts (4).		
6	Unlock door lock paneling (5) and remove		
7	Remove expanding clip (6)		
8	Open retaining tabs and remove hinge lever cover (7) on both sides		
9	Remove spreading clips (8)		
10	Remove paneling at trunk lid (9)		
11	Install in the reverse order		

MODEL 203

Illustrated on model 203.0

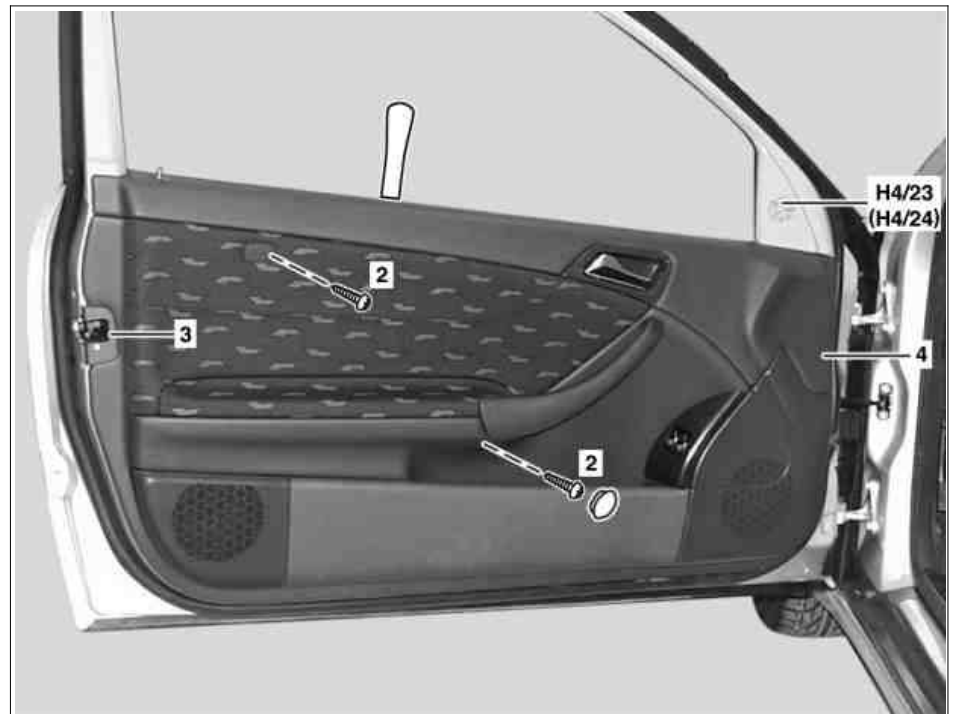
- 1 Door handle
- 2 Screws
- 3 Lock trim surround
- 4 Door liner
- E17/3 Left front door entrance and exit lamp
- E17/4 Right front door entrance and exit lamp
- H4/23 Left front door mirror triangle speaker
- H4/24 Right front door mirror triangle speaker



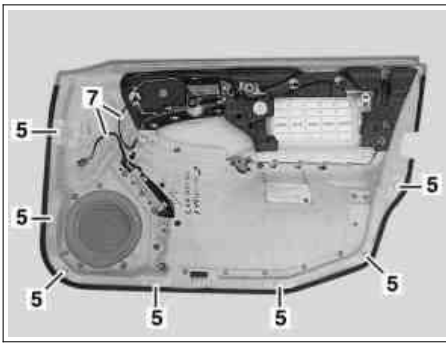
P72.10-2177-06

Illustrated on model 203.7

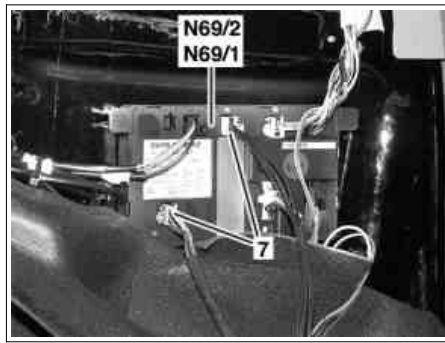
- 2 Screws
- 3 Lock trim surround
- 4 Door liner
- H4/23 Left front door mirror triangle speaker
- H4/24 Right front door mirror triangle speaker



P72.10-2277-06



P72.10-2178-01



P54.21-2070-01

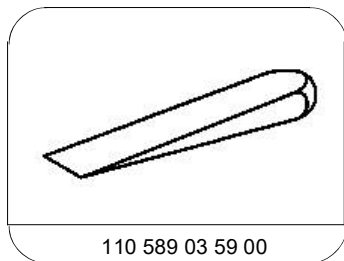


P72.10-2179-01

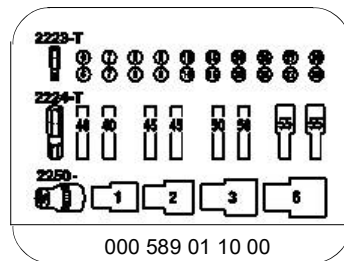
Illustrated on model 203.0

- 5 Clips
- 6 Control cable
- 7 Connectors
- N69/1 Right front door control module
- N69/2 Left front door control module

☒ ☒	Removing, installing		
1	Position assembly wedge at top of door handle (1) and press off	Model 203.0 / 203.2 i Press not more than 10 mm out of the catch. ☒ Assembly wedge	*110589035900
2	Position assembly wedge at bottom of door handle (1) and press off	Model 203.0 / 203.2 ☒ Assembly wedge	*110589035900
3	Take out door handle (1)	Model 203.0 / 203.2	
4	Unclip SRS cover		
5	Unscrew screws (2)		
6	Unhook front entrance and exit lamp and disconnect connector	With code (611) 2 exit lamps in front doors i Left front door entrance and exit lamp (E17/3), right front door entrance and exit lamp (E17/4).	
7	Remove door mirror triangle speaker	With code (810) sound system i Left front door mirror triangle speaker (H4/23), right front door mirror triangle speaker (H4/24).	AR82.62-P-7850P
8	Remove lock trim surround (3)	☒ Torx bit set	*000589011000
9	Press door liner (4) off of inner door panel at bottom, front and rear in area of clips (5) with assembly wedge	⚠ Inspect clips for damage. ☒ Assembly wedge	*110589035900
10	Use assembly wedge to lift top of door liner (4) out of inner sealing rail	☒ Assembly wedge	*110589035900
11	Unhook control cable (6) from inner door actuation		
12	Detach connectors (7)	i On left front door control module (N69/1), right front door control module (N69/2).	
13	Lay door liner (4) down		
14	Install in the reverse order		



Assembly wedge

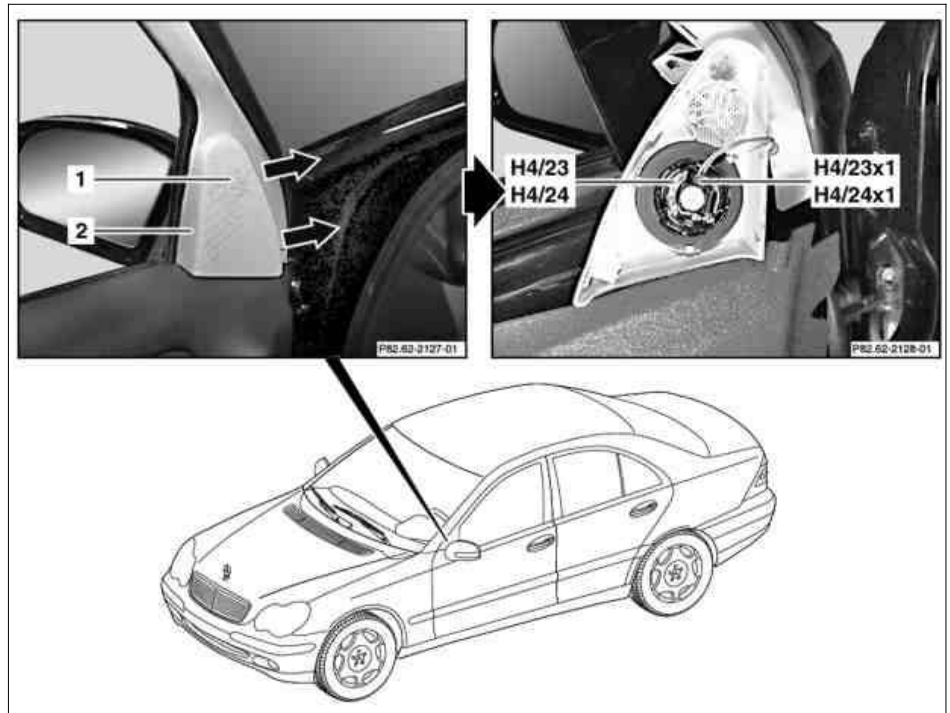


Torx bit set

MODEL 203

Shown on model 203.0

- 1 Cover
 H4/23 Left front door mirror triangle speaker
 H4/24 Right front door mirror triangle speaker
 H4/23x1 Plug connection of left front door mirror triangle speaker
 H4/24x1 Plug connection of right front door mirror triangle speaker

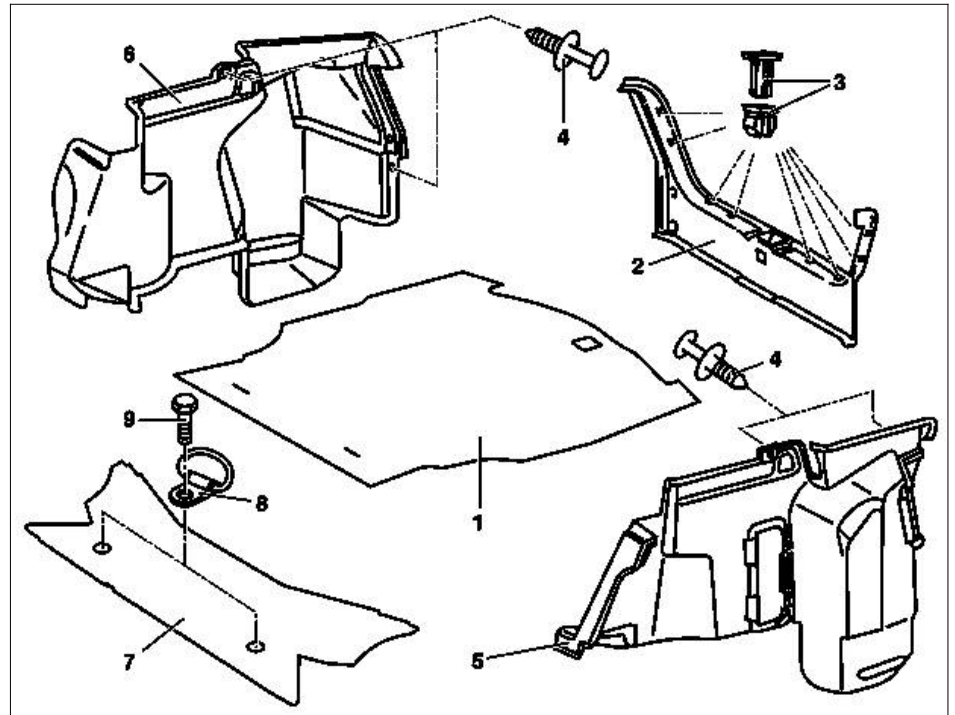


P82.62-2126-06










☒ ☒	Removal, installation		
1	Unclip cover (1) at mirror triangle	ⓘ Carefully release vertical side (2) first, then remove in direction of arrow.	
2	Separate plug connection of left front door mirror triangle speaker (H4/23x1); plug connection of right front door mirror triangle speaker (H4/24x1)		
3	Unclip left front door mirror triangle speaker (H4/23); right front door mirror triangle speaker (H4/24) and take out of cover (1)		
4	Install in the reverse order		
5	Perform function check		


MODEL 203.0

- 1 Trunk floor paneling
- 2 Lower rear center section paneling
- 3 Spreading clips
- 4 Clips
- 5 Left paneling
- 6 Right paneling
- 7 Cover behind rear seat
- 8 Anchoring lug
- 9 Screw



P68.30-2377-06

 	Removing, installing		
1	Remove trunk floor paneling (1)	 Move anchoring lugs (8) through trunk floor paneling (1).	
2	Unscrew bolt (9)	 On left and right.  Screw for anchoring lug at front in trunk.	*BA68.50-P-1002-03A
3	Remove anchoring lugs (8)	 On left and right.	
4	Remove cover behind rear seat (7)		
5	Unclip spreading clips (3)	 Spreading clips on bottom rear center section paneling (2).	
6	Remove bottom rear center section paneling (2)		
7	Unclip clips (4)	 Clips on left paneling.	
8	Remove left paneling (5)		
9	Unclip clips (4)	 Clips on right paneling.	
10	Remove right paneling (6)		
11	Install in the reverse order		

 Cargo retainers

Number	Designation	Model 203
BA68.50-P-1002-03A	Screw for anchoring lug at front in trunk.	Nm 20