












	Remove		
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
 Danger!	Risk of explosion from oxyhydrogen gas. Risk of poisoning and caustic burns caused by swallowing battery acid. Risk of injury caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries	No fire, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and safety glasses. Pour battery acid only into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
1	Disconnect battery ground line		
 AR			AR54.10-P-0003V
	Notes on battery	All models	AH54.10-P-0001-01A
2	Remove COMAND operating, display and control unit	 Disconnect black coupling (24) from COMAND operating, display and control unit (A40/3) and strap down with cable tie on on-board radio wiring harness. The black coupling (24) is no longer required.	
 AR			AR82.85-P-1000V
3	Remove center console (13)	 Installation: Do not pinch and damage retrofitted iPod wiring harness with the center console (13).	
 AR			AR68.20-P-2000V
4	Remove cover below instrument panel (right)		
 AR			AR68.10-P-1520V
5	Fold floor covering (4) on passenger side back to the rear		
6	Remove impact absorber (9) from step plate (11)	 Installation: Ensure that the impact absorber (9) is seated correctly in the tabs of the step plate (11).	
7	Remove nuts (12) and remove step plate (11) from front passenger footwell		
	Install		
8	Retrofit iPod interface wiring harness		AZ82.60-P-0001-01V
9	Retrofit iPod wiring harness		AZ82.60-P-0001-02V
10	Retrofit iPod interface		AZ82.60-P-0001-03V
11	Install remaining parts onto vehicle	 Steps 7 up to 1.	
12	Glue cradle (10) into the center console (13) as per the picture using PU hot melt adhesive		
13	Connect iPod connector (2) to iPod (18)		
14	Place iPod (18) into cradle (10)		


15	Carry out start-up and function test	 For vehicles without a telephone, the " Telephone " menu item in the " Instrument cluster " must be set from " NOT AVAILABLE " to " AVAILABLE " using STAR DIAGNOSIS. The iPod now can be operated via the multifunction steering wheel.	
		STAR DIAGNOSIS diagnosis system	WE58.40-Z-1013-06A

Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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Parts ordering notes

Part no.	Designation	Quantity
B6 782 42 09	iPod installation kit (ECE and ROW)	1
B6 782 42 17	iPod installation kit (USA)	1
B6 782 42 07	Cradle (ECE, ROW, and USA)	1

AH54.00-P-0001-01A	Information on preventing damage to electronic components due to electrostatic discharge	All models	
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Electrostatic charge

The materials are electrostatically charged during the separation and friction of two non-conducting materials. Plastics generally produce the highest electrostatic charge.

We come across electrostatic charge and discharge in lots of everyday situations, e.g.:

- Combs
- Walking on carpets or plastic floors
- Putting and taking off textiles
- Disembarking from the vehicle
- Contact of various packing materials (e.g. polystyrene, vinyl) on the shelf or in the transport container

The following electronic components listed as an example can be damaged by ESD:

- Airbag components
- Control units, in particular bus connections (Controller Area Network (data bus/CAN bus) (CAN), local interconnect network (LIN) etc.)
- Sensors
- mechatronic components (actuators etc.)
- Antenna amplifier
- Receivers (radio, TV, GPS, telephone etc.)
- Displays

Modes of behavior and safety precautions

- Electrostatic discharge from the fitter (e.g. due to brief contact with the vehicle body).
- Suitable cotton clothing and footwear with conductive soles.
- The workplace must correspond to the ESD guidelines.
- Shelves must stand directly on the floor, there must not be any insulating materials between the base of the shelves and the floor, the same applies to worktables. If the above-mentioned insulators cannot be removed, the shelves must be grounded (e.g. low-impedance electrical connection/line from metal shelf to a heater pipe or similar).
- Never put down a transport container/box so that it is insulated (e.g. wooden pallet), otherwise no equipotential bonding can take place.
- Control units or electrical components which have been removed may not be put down on the seat protective foil under any circumstances, the static charging is transferred to the control unit or electrical component. The protective foils used today for the vehicle seat, steering wheel and footwell charge up a lot. Therefore, for example, an ESD service kit or a complete connected ESD table mat must be used.

The following electrostatic discharge (**Electro Static Discharge (ESD)**) can be so strong that a small electric shock is detected.

But small discharges which people do not detect, can cause lasting damage to electronic components and control units.

Effects and consequences of ESD


Electronic components and control units are very sensitive to ESD. The damage is often not immediately obvious but only after some time.

In order to prevent failure and damage to vehicle electronics due to ESD, various modes of behavior and safety precautions must be taken into account. There is a risk of damage through transport, handling, testing and installation of parts in the production process and when performing repair work.

- Leave replacement parts in the original packing for as long as possible, do not tear open sealers but cut them open.
- Before unpacking discharge ESD protective packaging at the ESD workplace.
- Avoid contact with materials which can be charged up electrostatically such as PE, PVC, polystyrene etc.
- Use original or marked and defined packaging and transport materials only.
- Electronic components which have been removed must be put down on an ESD workplace.
- Only take hold of electronic components by the housing, not by the pins or contacts.
- Before contacting an electronic component this must be installed first so that an equipotential bonding can take place via the body.

- Information on the safety regulations/safety precautions can be obtained from the brochure "The ESD risk factor, understanding and avoiding electrostatic discharges" (order no. 6516 1310 00). This brochure can be ordered under tel: +49 (0)711 17-83160 Fax: +49 (0)711 17-83451 e-mail: service.informationen@daimlerchrysler.com.


Outside Germany please consult the contact person responsible for your market.

 ESD protection is only effective if the safety regulations/safety precautions are kept to.

Returning electronic components in warranty and goodwill cases

When sending back electronic components it is absolutely essential to observe the correct mode of behavior and safety precautions.

Otherwise it may be that the original fault is distorted or superimposed by the additional damage. This can lead to distorted fault symptoms in the case of the fault analysis of the component concerned.

AS54.10-Z-0001-01A	Risk of explosion from gas. Risk of poisoning and burns from swallowing battery electrolyte. Risk of injury to eyes and skin as result of caustic burns from battery electrolyte or from handling damaged lead-acid batteries.	No fire, sparks, naked flames or smoking. Wear acid-resistant gloves, clothing and eye protection. Pour battery electrolyte only into suitable and appropriately marked containers.	 Danger!
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Possible hazards

Risk of explosion

A highly explosive gas mixture is produced when charging lead-acid batteries.

Risk of poisoning

If battery electrolyte is swallowed, this can result in manifestations of poisoning such as headaches, dizziness, stomach pain, respiratory paralysis, unconsciousness, vomiting and cramps.

Battery electrolyte mist causes caustic burns to the eyes.

If swallowed, this can result in caustic burns to the mucous membranes and respiratory passages.

The absorption of lead in the body can cause damage to blood, nerves and kidneys; in addition, lead compounds are considered to represent a reproductive hazard.

- Keep lead-acid batteries and battery electrolyte away from unauthorized persons.
- Pour battery electrolyte only into suitable and appropriately marked containers.
- Always store lead-acid batteries horizontally.
- Ensure the gassing line is properly connected.
- Ensure the gassing line does not have any kinks and is not blocked at any point.
- Pay attention to instructions for use of the particular lead-acid battery and the operating instructions of the vehicle.
- Wear acid-resistant clothing and eye protection with side guards.

Injury hazard

Battery electrolyte contains sulfuric acid which can cause severe caustic burns to skin and eyes. Strict caution is required when handling damaged lead-acid batteries (removing from vehicle damaged in accident) because of the sharp edges on the fractured housing and direct contact with the lead plates.

Protective measures/rules of conduct

- Charge lead-acid batteries only in well ventilated areas.
- No fire, sparks, naked flames or smoking.
- Do not place any tool or other conducting objects onto the lead-acid battery (risk of short-circuit).
- Disconnect and remove lead-acid batteries for charging.
- Always **disconnect negative terminal** first of all; always **connect positive terminal** first of all.
- Do not switch on the charger until after it has been connected to the terminals; switch it off before disconnecting.

First-aid measures

Eye contact

- Rinse out eyes immediately with plenty of water.

Skin contact

- Take off moistened clothing.
- Immediately neutralize acid splashes on skin or clothing with acid converter or soap suds and rinse off with plenty of water.

Inhaling battery electrolyte mist

- Take the affected person out into the fresh air.

Swallowing battery electrolyte

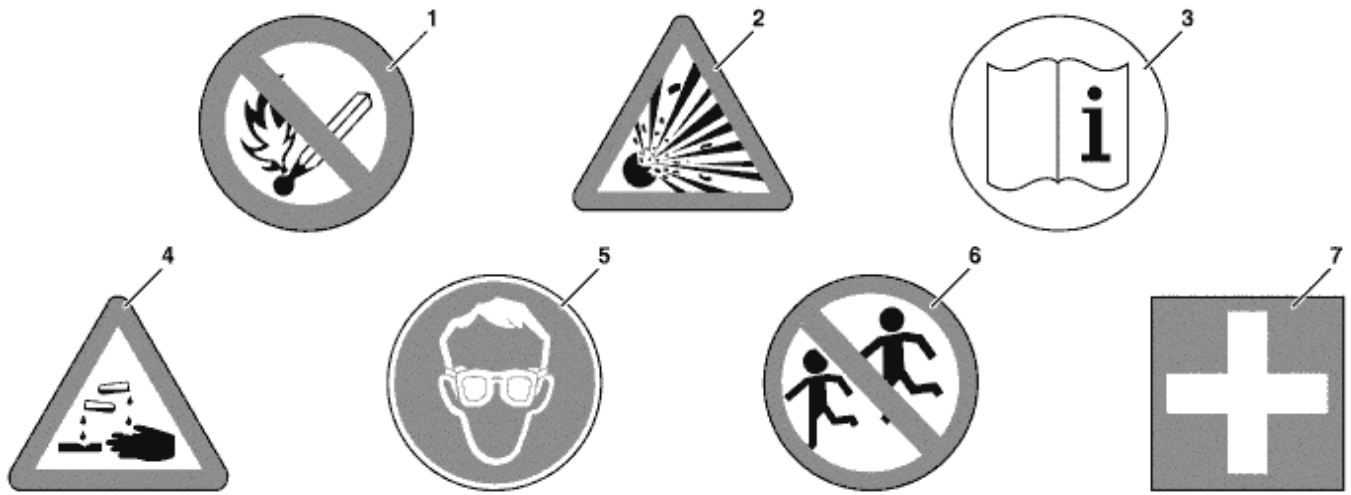
- Have the person affected drink plenty of water with the addition of activated charcoal.

As a general rule, the person affected should consult a medical service or doctor after first-aid has been rendered.

Fire protection measures

Suitable extinguishing agents

- CO2 and dry extinguishing agent



P54.10-0270-08

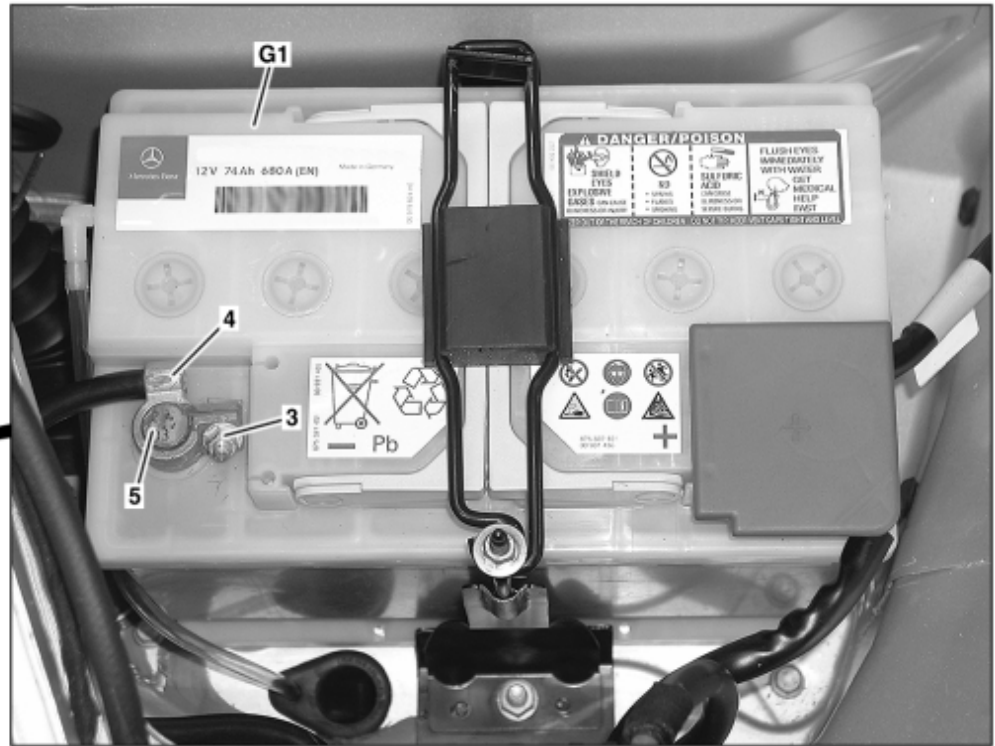
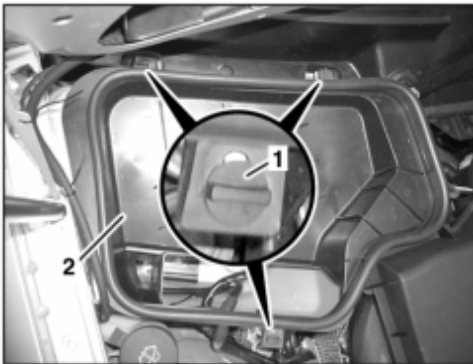
Warning instructions for lead-acid batteries

1 No fire, sparks, naked flames or smoking
2 Risk of explosion

3 Pay attention to operating instructions
4 Risk of caustic burns
5 Wear eye protection

6 Keep away from children
7 First-aid

MODEL 171.4



P54.10-2376-09

1 Quick-release catch
2 Air duct
3 Nut

4 Ground cable
5 Negative terminal

G1 Battery

	Disconnect, connect		
Danger!	Risk of explosion caused by explosive gas. Risk of poisoning and caustic burns caused by swallowing battery electrolyte. Risk of injury caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries	No fire, sparks, open flames or smoking. Wear protective gloves, acid-resistant clothing and safety glasses. Pour battery electrolyte only into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
	Notes on battery		AH54.10-P-0001-01A
1	Remove transmitter key from electronic ignition switch control unit and ensure that all consumers are switched off		
2	Open engine hood and move to upright position		AR88.40-P-1000V
3	Open quick-release fittings (1) and remove air duct (2)		
4	Loosen nut (3) and remove ground line (4) from negative terminal (5) of the battery (G1)	Installation: All electrical consumers must be switched off otherwise the electrical system may be damaged.	

5	Connect in the reverse order.		
6	Perform basic programming		AR00.19-P-0200V



General information on batteries

- Do not store batteries over a longer period at a storage point with direct solar radiation.
- Discharged or defective batteries can freeze, therefore store free from frost.
- Avoid polarity reversal and short-circuits.
- Do not place tool or other conducting objects on the battery (risk of short-circuit).
- Before removal and installation of batteries all switchable current consumers should be switched off, as well as the engine switched off so that inadvertent arcing is ruled out.
- Always disconnect the **negative terminal first** and always connect **the positive positive terminal first** .

- Only charge batteries with DC, 10 % of the capacity is recommended as charging current for slow charging and 50 % of the capacity recommended for fast charging.
- Only switch on the charger after connecting to the terminals and switch off before disconnecting.
- We recommend greasing the batteries slightly with battery terminal grease.
- If the battery is to remain in the parked vehicle for a longer time, the negative terminal should be disconnected.
- If possible batteries should be kept clean and dry.
- Batteries should not be stored over a longer period without recharging.

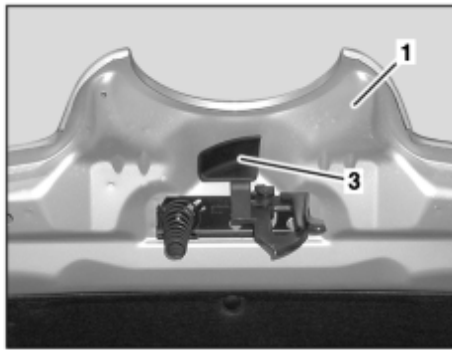
Notes on lead-gel batteries

- Lead-gel batteries are free from gassing, acid does not run out of them and are completely independent of position and maintenance free.
- When fast charging ensure that the housing of the lead-gel battery does not heat up excessively otherwise a pressure relief valve will be opened and the lead-gel battery will be defective.

Notes on lead acid batteries

- Always store lead lead-acid batteries horizontally to prevent acid leaking out and do not tilt during transportation.
- When fast charging ensure that the housing of the lead-acid battery does not heat up excessively.

MODEL 171.4






P88.40-2425-07

1 Engine hood

2 Lever

3 Locking lever

	Opening		
 Danger!	Risk of injury to fingers being jammed or pinched when Remove/install 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.	AS00.00-Z-0011-01A
1	Pull lever (2) in left front footwell to unlock engine hood (1)		
2	Press locking lever (3) upward and open engine hood (1)		
	Moving to upright position		
3	Push engine hood (1) at recess (arrow) for Mercedes star upward beyond dead center point of engine hood hinge to upright position	 The engine hood (1) is moved and held in the vertical position by the spring force of the gas pressure struts.	
	Closing		
4	Press engine hood (1) at recess (arrow) for Mercedes star down and lock		
5	Ensure that engine hood locks (1) properly		

AS00.00-Z-0011-01A	Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.	 Danger!
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Risk of injury

When working on hoods, doors, trunk lids/tailgates and sliding roofs and on their connecting mechanisms, serious injuries can occur due to cutting, jamming or pinching of body parts like fingers and hands.

Safety instructions/precautions

- Be careful when working in hazardous areas.
- When moving components, secure the movement area of the mechanism to prevent interference.
- Use special tool or other means to ensure safe distance to dangerous areas.
- Wear protective gloves

MODEL 171.4

	Adjust		
1.1	Set time on instrument cluster	For vehicles without code (525) MB Audio 50 APS radio or without code (527a) COMAND APS (with navigation).	
		i See Operating Instructions	
2	Normalizing power windows	i With a closed Vario roof move both windows up to the upper block position. Keep the switches of the driver power window switch group (S20/1) pressed in this position for at least 1 s.	
3.1	Normalizing seats	On vehicles with code (242b) Electrically adjustable front passenger seat with memory or with code (275a) Memory package (driver seat, steering column, mirrors)	
		i To normalize the seats the following stops have to be approached: front stop of the fore/aft adjustment, lower downstop of the inclination adjustment, lower downstop of the height adjustment, front stop of the backrest adjustment. Keep the switches of the left seat adjustment switch group (S22) and the right seat adjustment switch group (S23) pressed for at least 1 s in the particular downstop points.	

MODEL 171.4

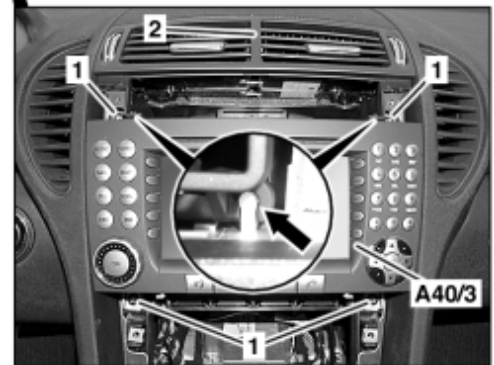
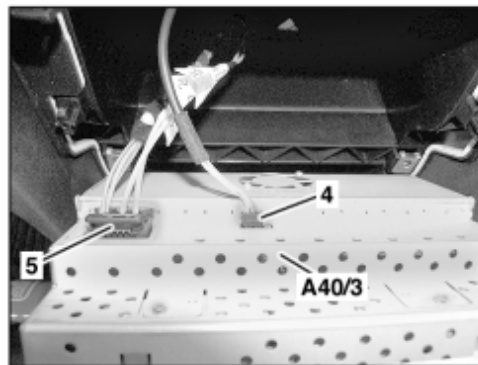
with CODE (527) COMAND APS (with navigation)

with CODE (529) HIGH Class Japan

with CODE (530) COMAND APS USA (with navigation system)

- 1 Bolts
- 2 Center air outlet
- 3 Center console
- 4 Electrical connector
- 5 Fiber optical cable connection

A40/3 COMAND operating, display and control unit



P82.85-9964-06

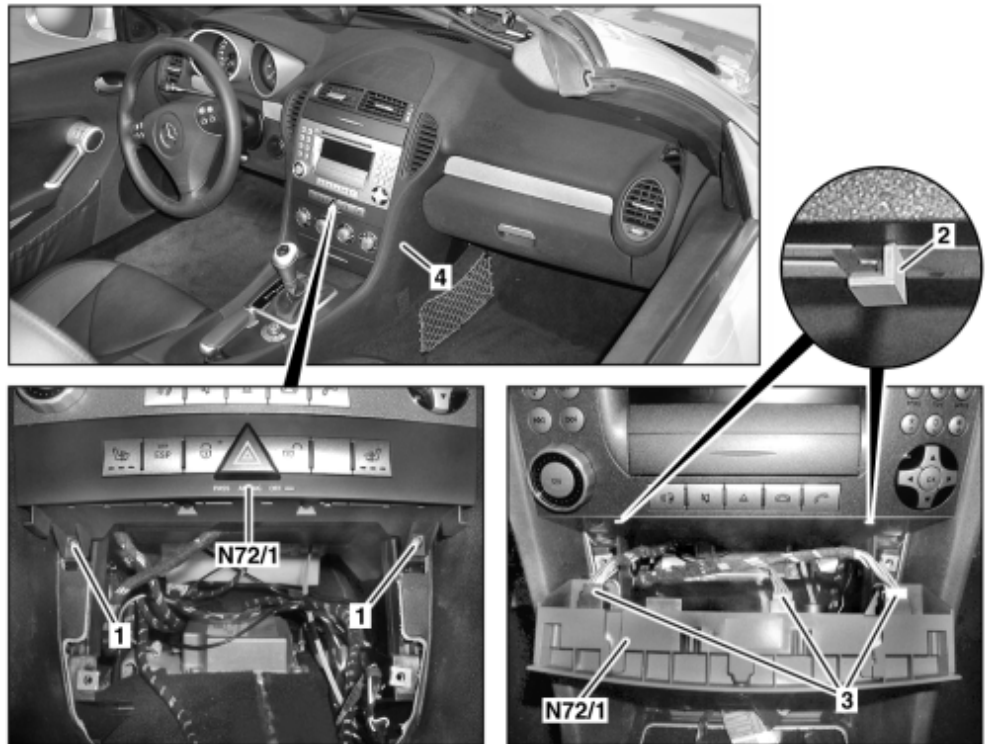
☒ ☒	Remove/Install		
1	Remove upper control panel control unit		AR54.21-P-1262V
2	Remove stowage compartment or beverage holder		AR68.10-P-1600V
3	Remove bolts (1)		
4	Lift center air outlet (2) until it is released from the fixings (arrow) on the COMAND operating, display and control unit (A40/3)	i Installation: Ensure correct seating of the center air outlet (2) in the fixings (arrow) on the COMAND operating, display and control unit (A40/3).	
5	Pull COMAND operating, display and control unit (A40/3) out of the center console (3) sufficiently until the electrical connector (4) and the fiber optical cable coupling (5) are accessible		
6	Disconnect fiber optical cable coupling (5)		
7	Cover fiber optical cable coupling (5)		AR82.95-P-0005-01A

8	Disconnect electrical connector (4) and remove COMAND operating, display and control unit (A40/3)		
9	Install in the reverse order		
10	Perform function check of COMAND operating, display and control unit (A40/3)		




MODELS 171.4

- 1 Screw
- 2 Guide
- 3 Electrical connectors
- 4 Center console

N72/1 Upper control panel control unit



P54.21-2377-06

 	Removal/installation		
1.1	Stage basic data from upper control panel control unit (N72/1) in STAR DIAGNOSIS	When replacing upper control panel control unit (N72/1).	
		i Installation: Transfer staged basic data to the new upper control panel control unit (N72/1).	
 AD	Connect STAR DIAGNOSIS, read out fault memory		AD00.00-P-2000-04A
		Diagnosis system STAR DIAGNOSIS	WE58.40-Z-1013-06A
2	Disconnect ground cable of battery		AR54.10-P-0003V
3.1	Loosen HEAT [HAU] control and operating unit and put to one side with electrical lines connected	On vehicles without code (580a) automatic air conditioning or without code (581b) comfort air conditioning	AR83.25-P-1125V
3.2	Loosen AAC [KLA] control and operating unit or comfort AAC control and operating unit and put to one side with electrical lines connected	On vehicles with code (580a) automatic air conditioning or with code (581b) comfort automatic air conditioning	AR83.40-P-6350V
4	Remove bolts (1)		

5	Pull upper control panel control unit (N72/1) backwards, lower and tilt until the electrical connectors (3) are accessible	i Installation: Insert upper control panel control unit (N72/1) in the guides (2) and latch forwards	
6	Separate electrical connectors (3) and take upper control panel control unit (N72/1) out of the center console (4)		
7	Install in the reverse order		

Workshop equipment/MB testers (see Workshop Equipment Manual)

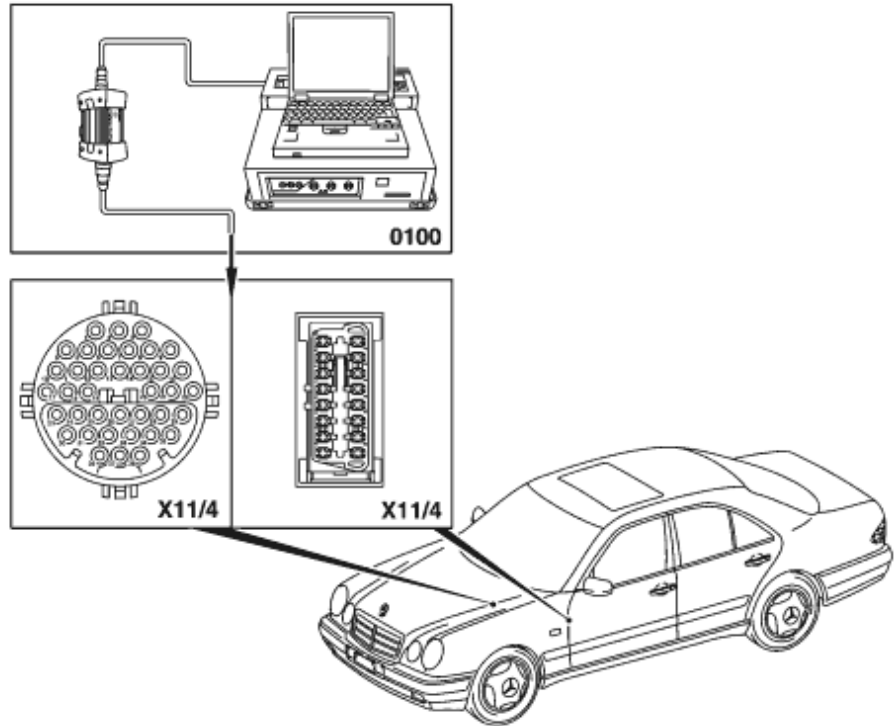
WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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AD00.00-P-2000-04A

Connect STAR DIAGNOSIS and
read out fault memory**Workshop equipment/MB testers** (see Workshop Equipment Manual)WE58.40-Z-1013-
06A

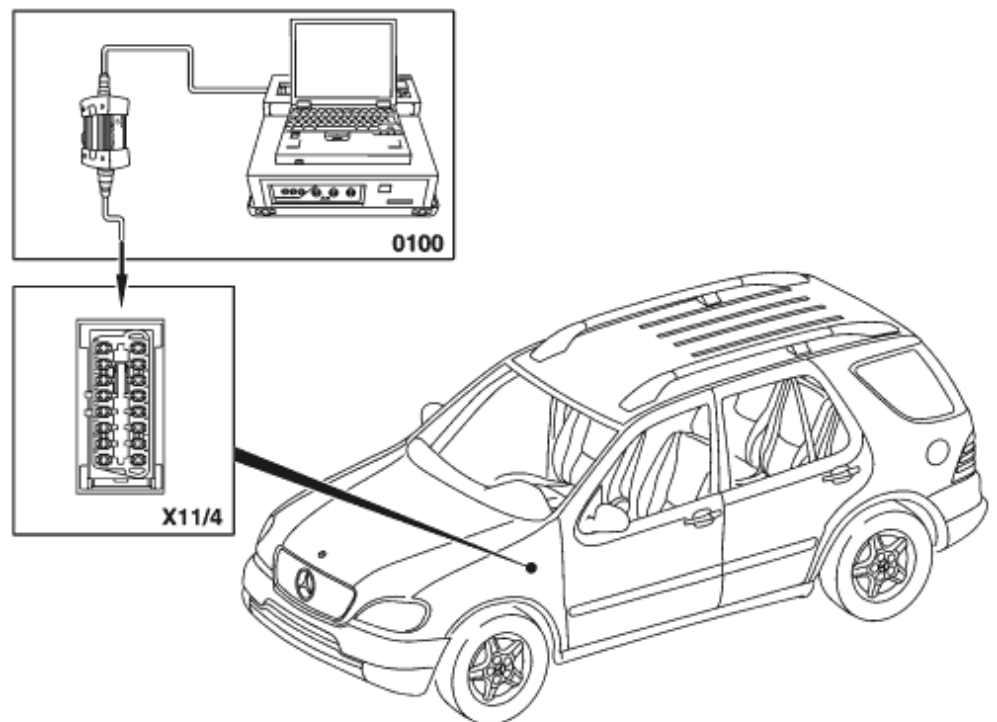
STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00

Illustrated on model 210
0100 STAR DIAGNOSIS
X11/4 Data link connector



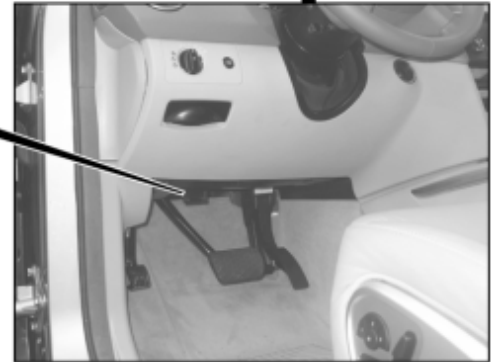
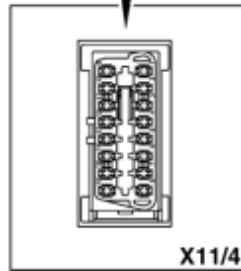
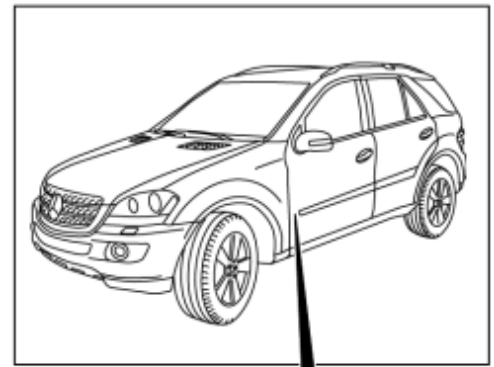
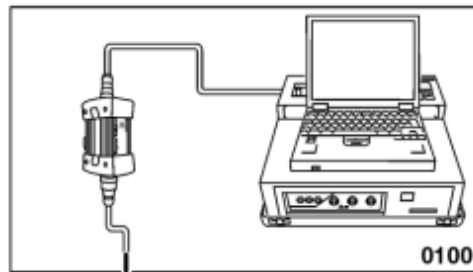
P00.30-2002-06

Illustrated on model 163
0100 STAR DIAGNOSIS
X11/4 Data link connector



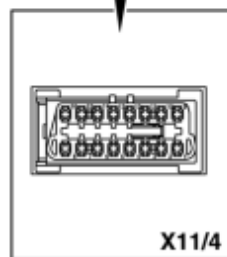
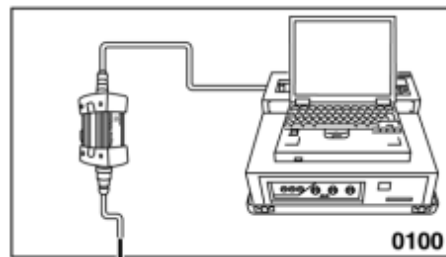
P00.30-2005-06

Illustrated on model 164.1
0100 STAR DIAGNOSIS
X11/4 Data link connector



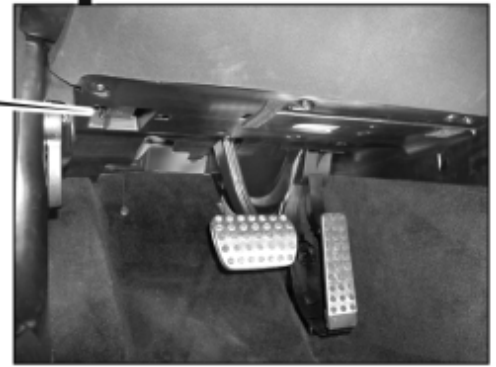
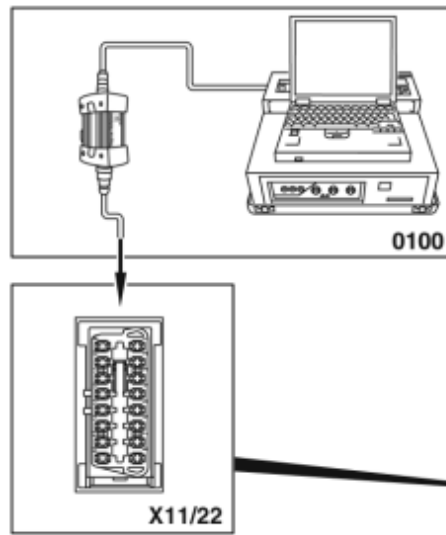
P00.30-2031-06

Shown on model 461.302
0100 STAR DIAGNOSIS
X11/4 Data link connector



P00.00-3388-06

Shown on model 171.4
0100 STAR DIAGNOSIS
X11/22 Data link connector (1.3)



P00.30-2028-06

1 Connect STAR DIAGNOSIS (0100) to diagnostic socket (X11), the data link connector (X11/4) or to the data link connector (1.3) (X11/22).

2 Switch on ignition.

3 Start the Diagnosis Assistance System.

4 In the "Model" menu, select the sub menu "Other model series".

5 Go through the instructions on the screen:

- Enter the control unit version.
- Read fault memory, erase.
- Read actual values.
- Perform actuations.
- Adaptation of control units

6 Disconnect STAR DIAGNOSIS (0100).

i Stored faults which may be caused by disconnecting cables or by simulation during testing operations must be deleted in the diagnostic trouble code memory following completion of the operations.

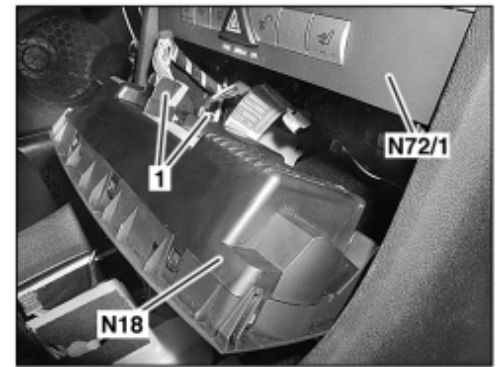
MODEL 171.4

except CODE (580a) Automatic air conditioning


except CODE (581b) Convenience automatic air conditioning

1 Electrical connectorsN18 HEAT [HAU] control and
operating unit

N72/1 Upper control panel control unit



P83.25-2228-06

☒ ☒	Removal/installation		
1.1	Buffer basic data from HEAT control and operating unit (N18) in STAR DIAGNOSIS	When installing a new HEAT control and operating unit (N18).	
		i Installation: Transfer buffered basic data to the new HEAT control and operating unit (N18).	
 AD	Connect STAR DIAGNOSIS and read out fault memory		AD00.00-P-2000-04A
		Diagnosis system STAR DIAGNOSIS	WE58.40-Z-1013-06A
2	Disconnect battery ground line		AR54.10-P-0003V
3	Remove stowage compartment or ashtray housing		AR68.20-P-2420V
4	Pull HEAT control and operating unit (N18) out of the recesses (arrow) on the upper control panel control unit (N72/1) and tilt downward until the electrical connectors (1) are accessible	i Installation: Ensure correct seating of the HEAT control and operating unit (N18) in the recesses (arrow) on the upper control panel control unit (N72/1).	

5	Disconnect electrical connectors (1) and remove HEAT control and operating unit (N18)		
6	Install in the reverse order		

Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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MODELS 171.4

with CODE (580a) Automatic air conditioning

with CODE (581b) Convenience automatic air conditioning

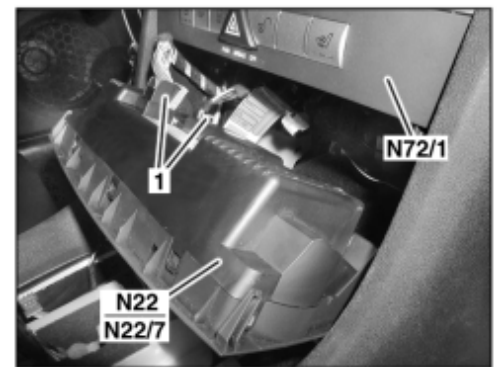
**Shown on vehicle with code (580a)
automatic air conditioning**

1 Electrical connectors

2 Center console

N22 AAC [KLA] control and operating
unit(for code (580a) automatic air
conditioning)N22/7 Comfort AAC control and
operating unit(for code 581b) comfort automatic air
conditioning)

N72/1 Upper control panel control unit



P83.40-2646-06

☒ ☒	Removal/installation		
1.1	Stage the basic data of the AAC [KLA] control and operating unit (N22) or the comfort AAC control and operating unit (N22/7) in STAR DIAGNOSIS	When replacing the AAC [KLA] control and operating unit (N22) or comfort AAC control and operating unit (N22/7)	
		i Installation: Transmit staged basic data to the new AAC [KLA] control and operating unit (N22) or the new comfort AAC control and operating unit (N22/7)	
AD	Connect STAR DIAGNOSIS, read out fault memory		AD00.00-P-2000-04A
		Diagnosis system STAR DIAGNOSIS	WE58.40-Z-1013-06A
2	Disconnect battery ground line		AR54.10-P-0003V
3	Remove stowage compartment or ashtray housing		AR68.20-P-2420V

4	Pull AAC [KLA] control and operating unit (N22) or comfort AAC control and operating unit (N22/7) backwards out of the fixtures (arrow) on the upper control panel control unit (N72/1) and tilt downwards	i Installation: Check that the AAC [KLA] control and operating unit (N22) or the comfort AAC control and operating unit (N22/7) is correctly seated in the fixtures (arrow) on the upper control panel control unit (N72/1)	
5	Detach electrical connector (1) and remove AAC [KLA] control and operating unit (N22) or comfort AAC control and operating unit (N22/1) from the center console (2)		
6	Install in the reverse sequence		

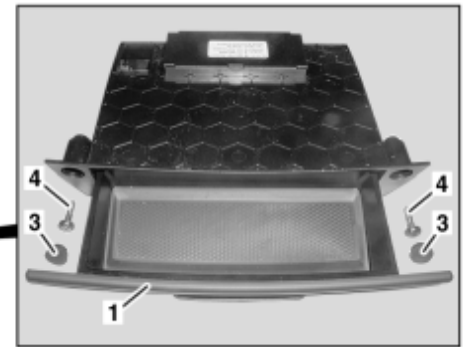
Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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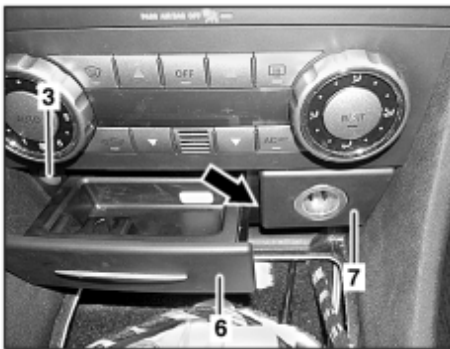
MODEL 171.4

Shown without code (301a) Ashtray package/smoker package

- 1 Stowage compartment
- 2 Center console cover
- 3 Cover
- 4 Bolt
- 5 Center console



P68.20-3039-04



P68.20-3161-07

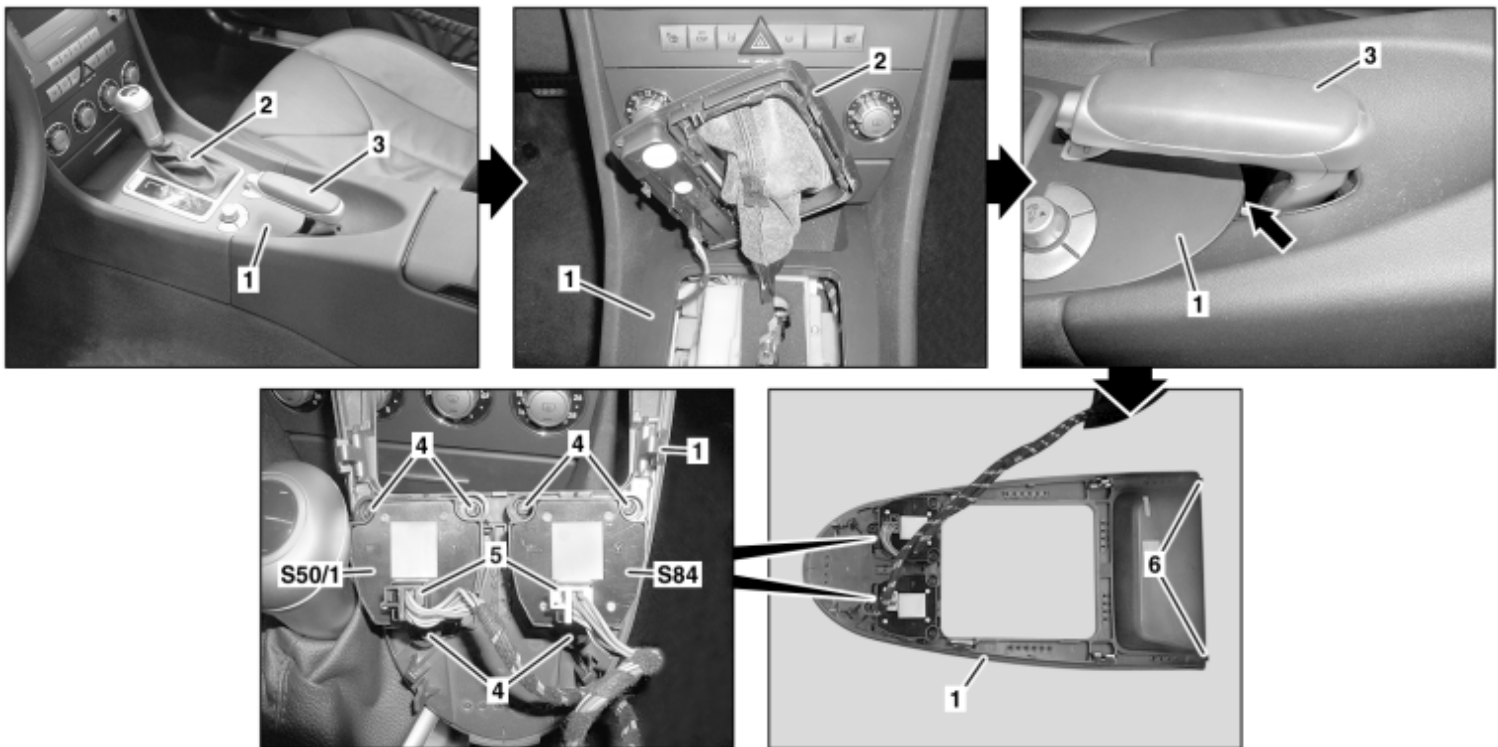
Shown with code (301a) Ashtray package/smoker package

- 3 Cover
- 4 Bolt
- 5 Center console
- 6 Ashtray housing
- 7 Cover
- 8 Electrical connector

	Removal/installation		
1	Loosen center console cover (2) and lay down to side with electrical connectors connected	i It is not necessary to remove the outside mirror adjustment switch with/without mirror fold-in/out facility and Vario roof/ATA switch group	AR68.20-P-2350V
2.1	Position gearshift lever toward rear	With transmission 716	
2.2	Move gearshift lever to position "D"	With transmission 722	
3	Open stowage compartment (1) or ashtray housing (6)	i See Operating Instructions	
4.1	Remove covers (3) from bolts (4)n	On vehicles without code (301a) Ashtray package/smoker package	
4.2	Remove cover (3) from left bolt (4) and unclip cover (7) at side with suitable screwdriver (arrow)	On vehicles with code (301a) Ashtray package/smoker package	
		i Installation: Ensure that cover (7) is seated correctly.	
5	Unscrew bolts (4)		

6.1	Remove stowage compartment (1) from center console (5) toward rear	On vehicles without code (301a) Ashtray package/smoker package	
6.2	Remove ashtray housing (6) from center console (5) toward rear and disconnect electrical connector (8)	On vehicles with code (301a) Ashtray package/smoker package	
7	Install in the reverse order		

MODEL 171.4



P68.20-3008-09


**Shown on vehicle with
transmission 722**

1 Center console cover
2 Selector lever handle with cover
(with transmission 722)
3 Parking brake lever

4 Bolts
5 Electrical connectors
6 Guides

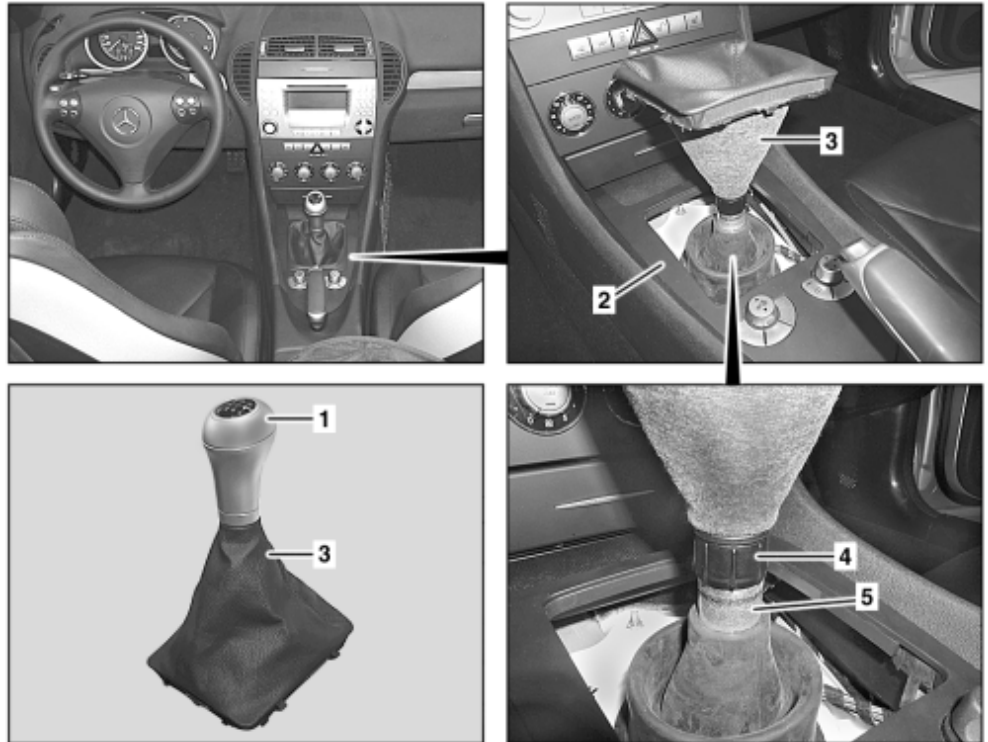
S50/1 Outside mirror adjustment
switch with/without mirror fold-in/fold
out facility
S84 Vario roof/ATA [EDW] switch
group

	Remove/Install		
1.1	Loosen gearshift lever cover	Transmission 716.6	AR68.20-P-2310V
		Do not loosen clamping piece	
1.2	Loosen selector lever handle with cover (2)	On transmission 722	AR27.60-P-0905VA
		Do not loosen clamping piece and do not disconnect connector.	
2.1	Move gearshift lever to center position	Transmission 716.6	
2.2	Move selector lever into position "N"	On transmission 722	
3	Pull parking brake lever (3) all the way up		
4	Reach into rear center console cover (1) (arrow) and unclip upward	Installation: First insert guides (6) for center console cover (1) into center console at front	

5	Lay center console cover (1) to side while guiding selector lever handle with cover (2) or gearshift lever cover through		
6	Unscrew bolts (4) and remove outside rearview mirror adjustment switch with/without mirror fold-in/out feature (S50/1) and Vario roof/ATA switch group (S84)	 Do not disconnect electrical connectors (5).	
7	Remove center console cover (1) from vehicle		
8	Install in the reverse order		

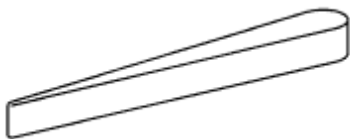
MODEL 171.4 with TRANSMISSION 716.6

- 1 Shift lever knob
- 2 Center console cover
- 3 Shift lever sleeve
- 4 Clamping piece
- 5 Gearshift lever



P68.20-3009-06

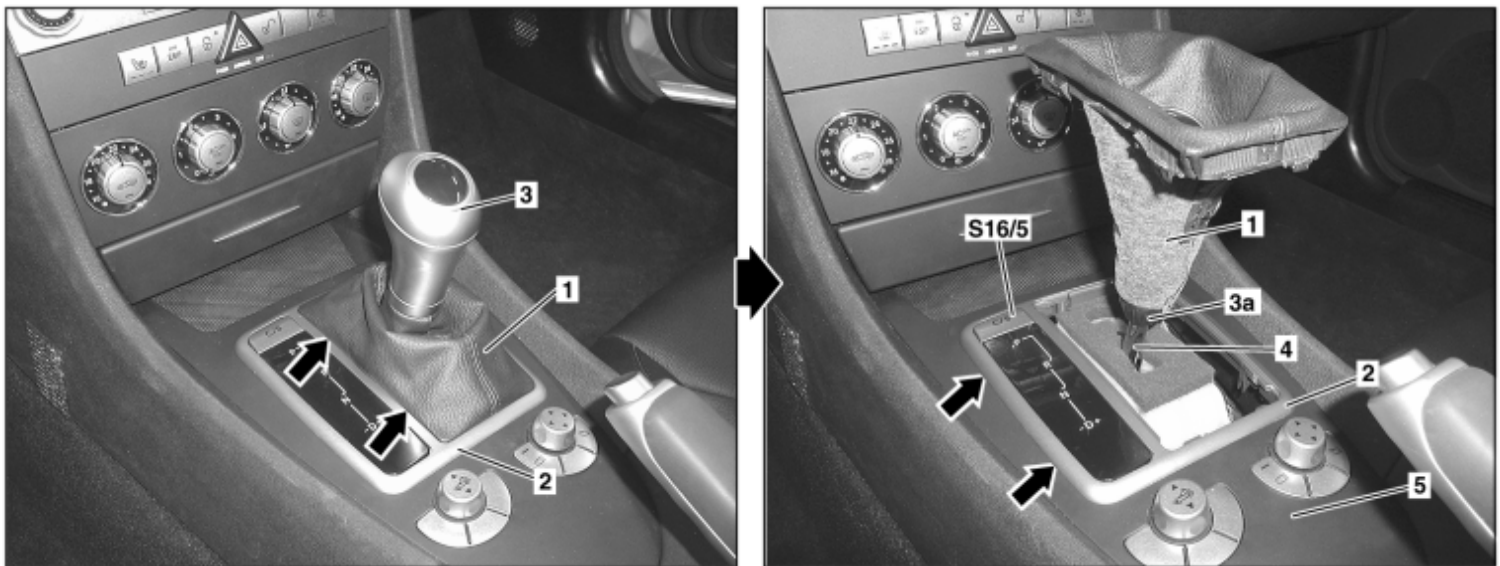
☒ ☒	Remove/Install		
1	Unclip gearshift lever boot (3) from center console cover (2) with long wedge	☒	115 589 03 59 00
2	Pull gearshift lever boot (3) over shift knob (1)		
3	Unlock clamping piece (4) clockwise		
4	Remove gearshift lever knob (1) from gearshift lever (59 with gearshift lever boot (3)).		
5	Install in the reverse order		



115 589 03 59 00

Long wedge

TRANSMISSION 722.6 /9 in MODEL 171.4



P27.60-2526-08

1 Gaiter
2 Cover

3 Selector lever handle
3a Plastic nut









4 Selector lever rod
5 Cover
S16/5 Transmission mode switch

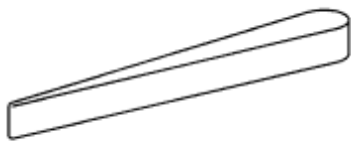
1 Gaiter
1a Band
S16/5 Transmission mode switch



P27.60-2527-05

	Remove/Install		
1	Move selector lever into position "N"		
2	Turn key in electronic ignition switch control unit to position "0"		
3	Remove gaiter (1) from cover (2)	If necessary fit installation wedge at points marked with arrows.	
		Installation wedge	115 589 03 59 00

4	Turn gaiter (1) inside out over selector lever handle (3) and release plastic nut (3a)	 Turn plastic nut (3a) 90° counterclockwise.	
		 Installation: The elastic bands (1a) of the gaiter (1) must be placed over the selector lever handle (3) before installation.	
5	Pull selector lever handle (3) off selector lever rod (4)	 To avoid damaging gaiter (1) only pull on selector lever handle (3)	
6	Lever cover (2) out of cover (5) of center console.	 If necessary fit  installation wedge at points marked with arrows.	
		 Installation wedge	115 589 03 59 00
7	Unplug electrical connector at transmission mode switch (S16/5) and remove cover (2)		
8.1	Unclip transmission mode switch (S16/5) from cover (2)	If necessary	
		 To avoid damaging cover (2) and transmission mode switch (S16/5), remove the 6 locking clips of the transmission mode switch (S16/5) from the back using a screwdriver.	
9	Install in the reverse order		
10.1	Read out fault memory and erase if necessary	After installing new transmission mode switch (S16/5)	
 AD	Connect STAR DIAGNOSIS, read out fault memory		AD00.00-P-2000-04A
		STAR DIAGNOSIS diagnosis system	WE58.40-Z-1013-06A



115 589 03 59 00

Installation wedge

Workshop equipment/MB testers (see Workshop Equipment Manual)

WE58.40-Z-1013-06A	STAR DIAGNOSIS Compact diagnosis system for passenger cars, order number 6511 1801 00
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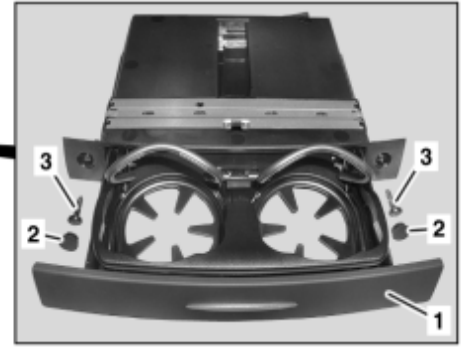
MODEL 171.4

**Shown on vehicles with code (309)
Cup holder**


1 Cup holder

2 Cover

3 Bolt



P68.10-3029-04

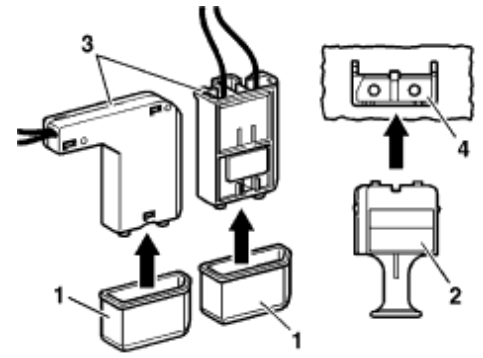
☒ ☒	Remove/install		
1	Open stowage compartment or beverage holder (1)	 See Operating Instructions	
2	Remove covers (2) from bolts (3)		
3	Unscrew bolts (3)		
4	Remove stowage compartment or beverage holder (1) from instrument panel		
5	Install in the reverse order		

! Do not remove protective covers from the fiber optic cable connector (3) or device connection (4) too soon, because contaminated or scratched surfaces dampen the light. Fiber optic cables must not be kinked, routed around sharp edges or bent to a radius of less than 25 mm, otherwise the fiber optic cable core will be yellowed and broken. Yellowed or broken fiber optic cables dim the light

i The work sequence is illustrated on the components of the digital data bus (D2B)

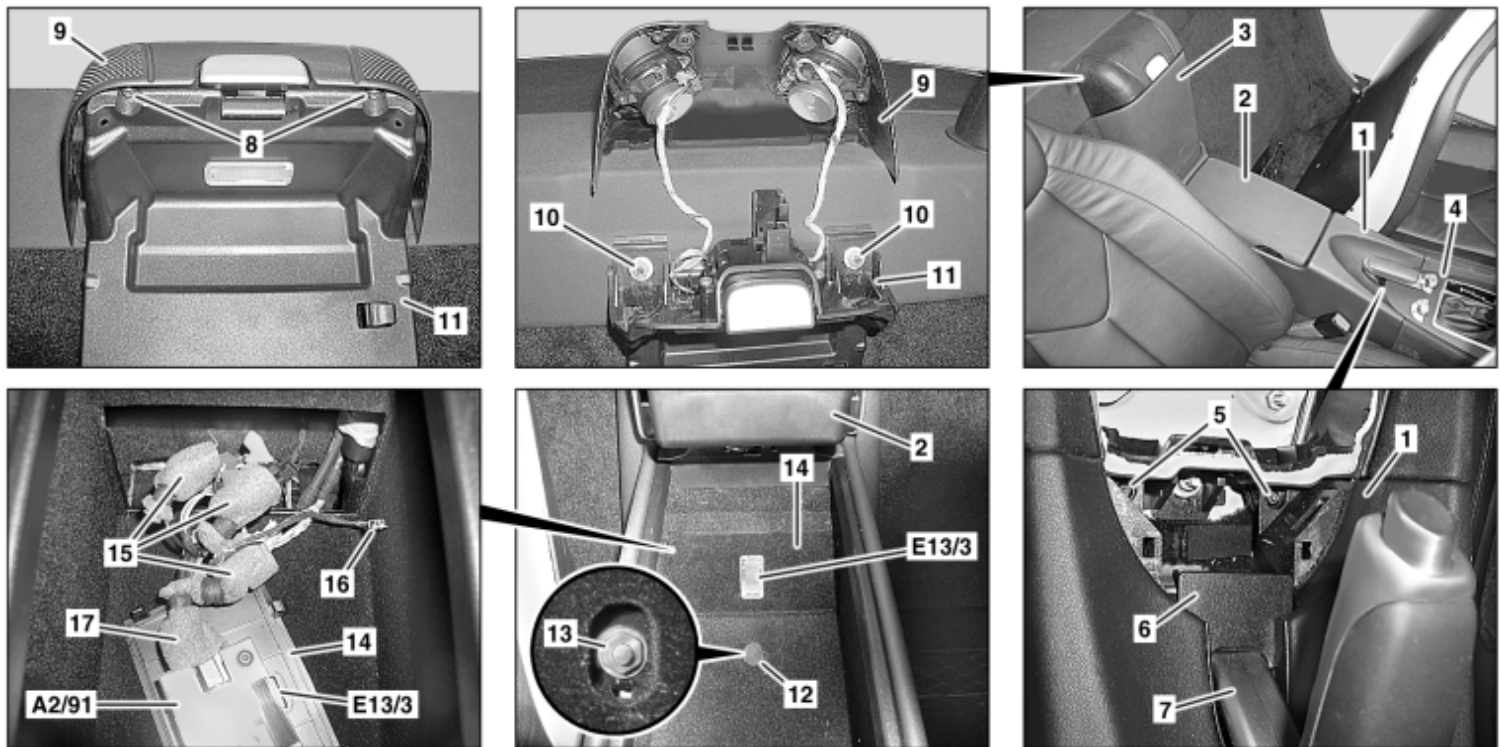
1 Carefully detach the fiber optic cable connector (3) from the device connection (4) and cover with a protective cap (1), stop plug (2) or a clean rag.

i The protective cap (1) and stop plug (2) are not separately available for digital data bus (D2B) components. Use protective caps (1) and stop plugs (2) of replacement parts installed Cover components of the media-oriented system transport (MOST) with clean rag, because protective caps (1) and stop plugs (2) are not installed there in general



P82.95-2048-01

MODEL 171.4

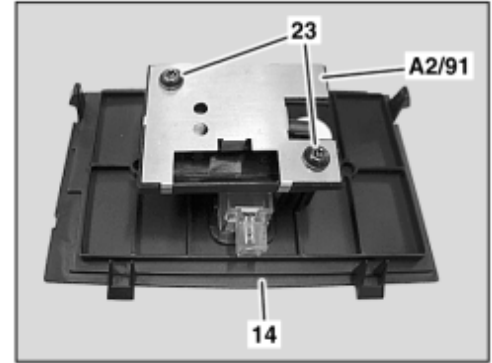
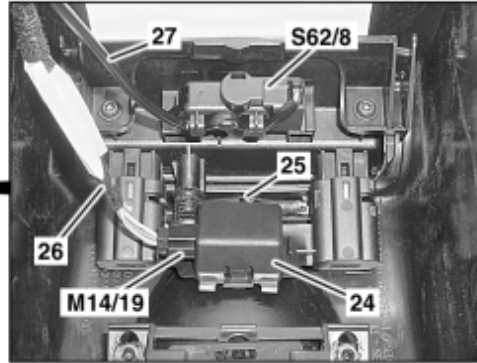
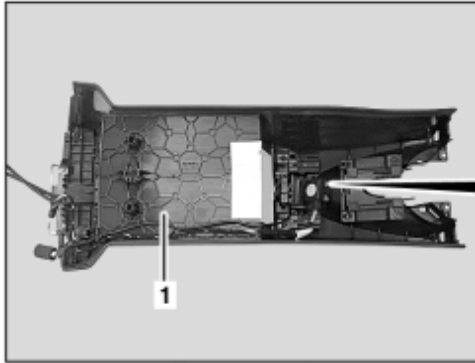
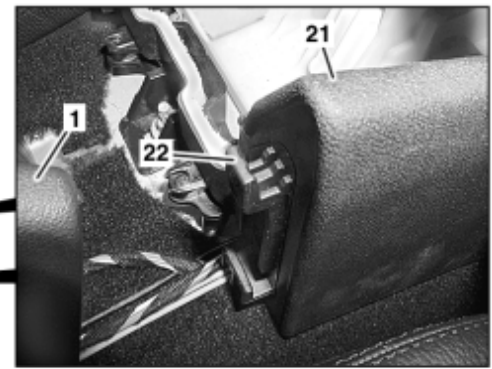
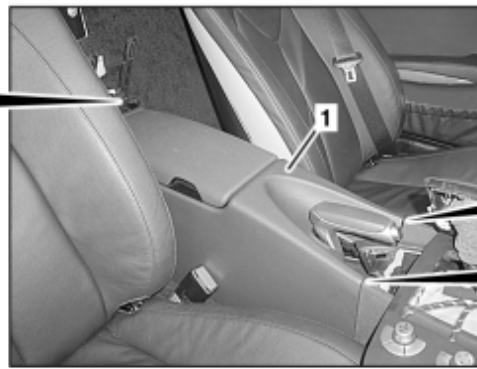
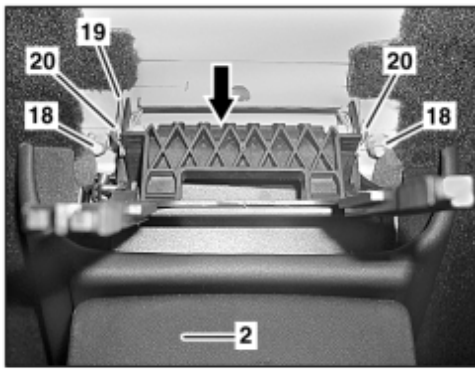


P68.20-3050-09

- 1 Center console
- 2 Cover
- 3 Cover
- 4 Cover
- 5 Bolts
- 6 Cover
- 7 Hand brake lever
- 8 Bolts
- 9 Cover
- 10 Nut
- 11 Storage shelf
- 12 Cover

- 13 Nut
- 14 Cover
- 15 Electrical connectors
- 16 Electrical connector
- (with code (876) Interior compartment light package)
- 17 Electrical connector
- (with code (386) Preinstallation for portable CTEL telephone, UPCI system or code (388) Portable CTEL telephone, UPCI system)

- A2/91 Bluetooth antenna
- (with code (386) Preinstallation for portable CTEL telephone, UPCI system or code (388) Portable CTEL telephone, UPCI system)
- E13/3 Illumination for stowage compartment between seat backrests
- (with code (876) Interior compartment light package)









P68.20-3051-09

1 Center console
2 Cover
14 Cover
18 Nut
19 Bracket
20 Bolt
21 Instrument panel
22 Retaining lug

23 Bolts
(with code (386) Preinstallation for portable CTEL telephone, UPCI system or code (388) Portable CTEL telephone, UPCI system
24 Cover
25 Spring
26 Wiring harness
27 Wiring harness
(with code (882b) Interior monitoring (only with ATA))

A2/91 Bluetooth antenna
(with code (386) Preinstallation for portable CTEL telephone, UPCI system or code (388) Portable CTEL telephone, UPCI system
M14/19 Center console compartment
CL [ZV] motor
S62/8 ATA center stowage switch
(with code (882b) Interior monitoring (only with ATA))

	Remove/Install		
1	Detach cover (4) from center console (4) and lay toward front with lines connected		AR68.20-P-2350V
2	Unscrew bolts (5) and remove cover (6)		
3	Release hand brake lever (7)	See Operating Instructions	
4	Open cover (3) for stowage box in rear	See Operating Instructions	
5.1	Remove cover (3) for stowage box in rear	Only when replacing center console (1).	AR68.20-P-5701VB
6	Unscrew bolts (8) and remove cover (9)	On vehicles with code (810) lay sound system cover (9) down to side with electrical lines connected.	
7	Unscrew nut (10), remove stowage compartment (11) and lay down toward rear	Do not disconnect electrical connectors.	

		 Installation: Before tightening nuts (10) close cover (3) and align stowage compartment (11).	
8	Open cover (2) for stowage box in center console (1)	 See Operating Instructions	
9.1	Remove cover (2) for stowage box in center console (1)	Only when replacing center console (1).	
		On vehicles with code (359) TELE AID emergency call system, lowcost or without code (386) Preinstallation for portable CTEL telephone, UPCI system or without code (387) Preinstallation for portable CTEL telephone, UPCI system USA/Canada or without code (388) portable CTEL telephone, UPCI system or without code (498) Japanese version	AR68.20-P-5701V
		On vehicles with code (359) TELE AID emergency call system, lowcost or with code (386) Preinstallation for portable CTEL telephone, UPCI system or with code (387) Preinstallation for portable CTEL telephone, UPCI system USA/Canada or with code (388) portable CTEL telephone, UPCI system or with code (498) Japanese version	AR68.20-P-5701VA
		 Installation: Check cover (2) for proper function, if necessary loosen bolts (20) on mount (19) and align cover (2) along mount (19, arrow) with mounting wedge.	
			110 589 03 59 00
10	Unclip cover (12) with suitable screwdriver and unscrew nut (13)		
11	Unclip cover (14) with suitable screwdriver and disconnect all electrical connectors (15) located behind	 Number of electrical connectors (15) depends on equipment	
12.1	Disconnect electrical connector (16) from stowage compartment illumination between seat backrests (E13/3)	Only on vehicles with code (876) Interior compartment light package	
13.1	Disconnect electrical connector (17) from Bluetooth antenna (A2/91)	Only on vehicles with code (386) Preinstallation for portable CTEL telephone, UPCI system or with code (388) Portable CTEL telephone, UPCI system	
14	Close cover (2) for stowage box in center console (1)	 See Operating Instructions	

15	Loosen nut (18) until center console (1) can be removed together with bracket (19)		
16	Loosen center console (1) at front from retaining lugs (22) for instrument panel and remove from vehicle toward rear	i Installation: Ensure that wiring harness are routed correctly below center console (1).	
17.1	Unscrew bolts (20) and remove bracket (19) from center console (1)	Only when replacing center console (1).	
18.1	Unscrew bolts (23) and remove Bluetooth antenna (A2/91) from cover (14)	Only when replacing center console (1) and on vehicles with code (386) Preinstallation for portable CTEL telephone, UPCI system or with code (388) Portable CTEL telephone, UPCI system	
19.1	Open cover (24), unclip center stowage CL motor (M14/19) from center console (1), detach from spring (25) and expose wiring harness (26).	Only when replacing center console (1).	
20.1	Unclip ATA center stowage switch (S62/8) from center console (1) and expose wiring harness (27)	Only when replacing center console (1) and on vehicles with code (882b) Interior monitoring (only with ATA)	
21	Install in the reverse order		

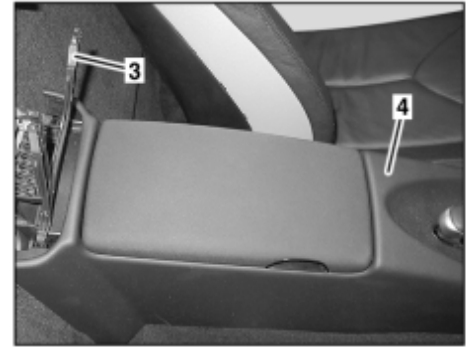
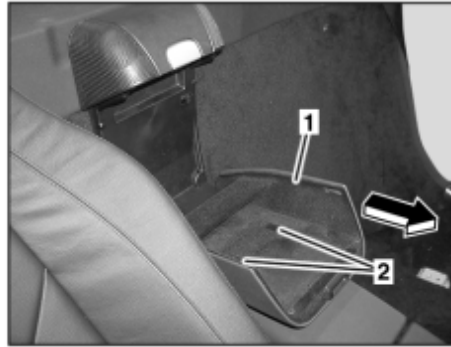


110 589 03 59 00

Mounting wedge

MODEL 171.4

Lid for stowage box in rear






P68.20-3053-07

1 Lid
2 Retaining clip

3 Hinge

4 Center console

	Remove/Install		
1	Open lid (1) for stowage box in rear	 See Operating Instructions	
2	Unclip retaining clips (2) with suitable screwdriver	 Installation: Before installing retaining clip (2) adjust lid (1) by moving on hinge (3). The lid (1) should open and close easily.	
3	Remove lid (1) from hinge (3) for center console (4) in direction of arrow		
4	Install in the reverse order		

MODEL 171.4

except CODE (359) TELE AID emergency call system, lowcost

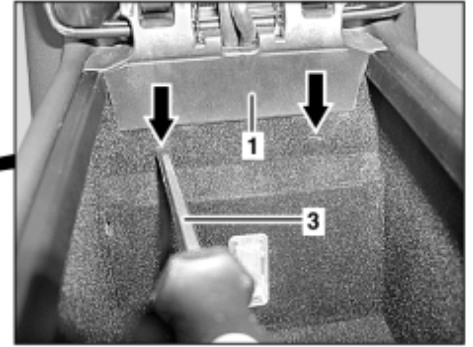
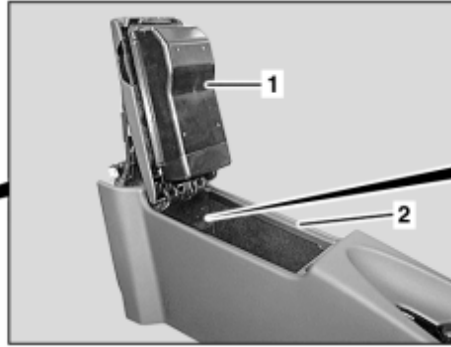
except CODE (386) Preinstallation for portable CTEL telephone, UPCI telephone system

except CODE (387) Preinstallation for portable CTEL telephone, UPCI system USA/Canada

except CODE (388) Portable CTEL telephone, UPCI system

except CODE (498) Japanese version

Cover for stowage box in center console



P68.20-3049-07

Shown on removed center console

1 Cover

2 Center console

3 Screwdriver

☒ ☒	Remove/Install		
1	Open cover (1) for stowage box in center console (2)	i See Operating Instructions	
2	Unlock lid (1) above openings (arrows) in stowage box with suitable screwdriver (3)		
3	Remove lid (1) upward from center console (2)		
4	Install in the reverse order		

MODEL 171.4

with CODE (359) TELE AID emergency call system, lowcost

with CODE (386) Preinstallation for portable CTEL telephone, UPCI telephone system

with CODE (387) Preinstallation for portable CTEL telephone, UPCI system USA/Canada

with CODE (388) Portable CTEL telephone, UPCI system

with CODE (498) Japanese version

Cover for stowage box in center console

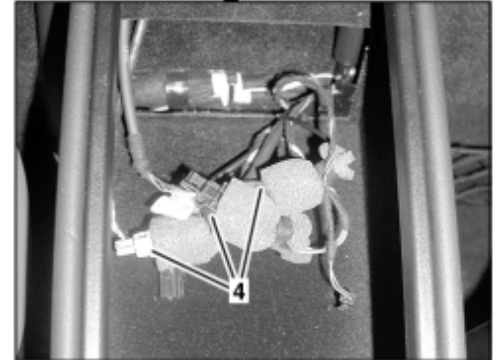
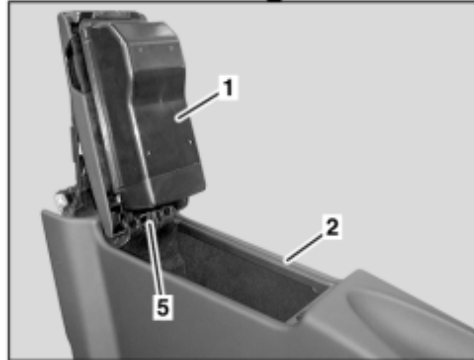
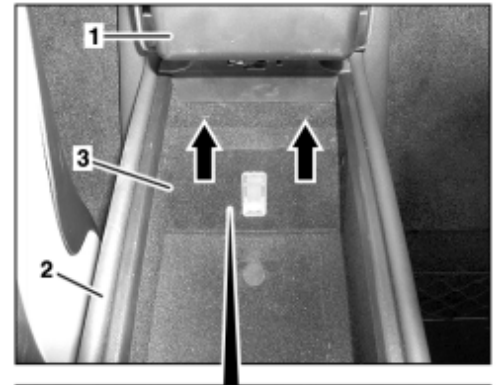
1 Lid

2 Center console

3 Cover

4 Electrical connectors

5 Wiring harness

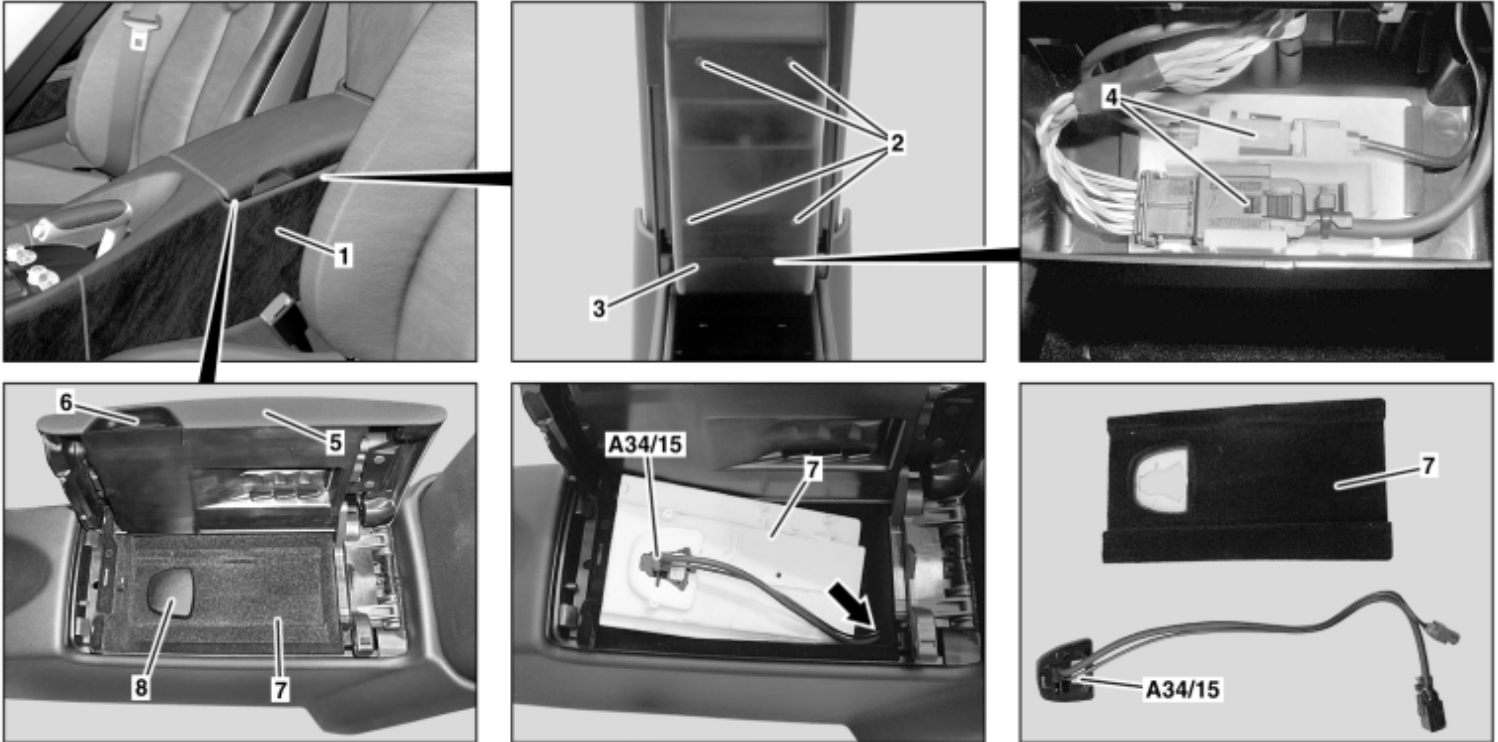


P68.20-3052-06

☒ ☒	Remove/Install		
1	Open lid (1) for stowage box in center console (2)	i See Operating Instructions	
2	Unclip cover (3) with suitable screwdriver		
3	Separate electrical connectors (4)		
4	Unlock lid (1) in recesses (arrows) with suitable screwdriver		
5	Remove lid (1) upward from center console (2) and remove wiring harness (5) from center console	i Installation: Observe routing of lines.	
6.1	Remove bracket for portable CTEL telephone	Only when replacing lid (1).	AR82.70-P-8918V
7.1	Remove wiring harness (5) from lid (1)	Only when replacing lid (1).	
8	Install in the reverse order		

MODELS 171.4

- with CODE (359) TELE AID emergency call system, low-cost
- with CODE (386) Preinstallation for "portable CTEL" UPCI telephone system
- with CODE (387) preinstallation for "portable CTEL" UHI system USA/Canada
- with CODE (388) "Portable CTEL" UPCI telephone system
- with CODE (498) Japan version




P82.70-5057-09

- 1 Center console
- 2 Bolts
- 3 Cover
- 4 Electrical connectors

- 5 Cover for CTEL tray
- 6 Left release button
- 7 Stowage shell
- 8 Cover

A34/15 UPCI Portable CTEL holder
(Universal Portable CTEL Interface)

☒ ☒	Removal/installation		
1	Open the stowage box of the center console (1)	i See Operating Instructions	
2	Unscrew bolts (2)		
3	Unclip cover (3)		
4	Separate electrical connectors (4)		
5	Close the stowage box of the center console (1) and open the cover on the telephone compartment (5) by pressing the left-hand release button (6)		
6	Take off cover (8)		
7	Remove the storage tray (7)		

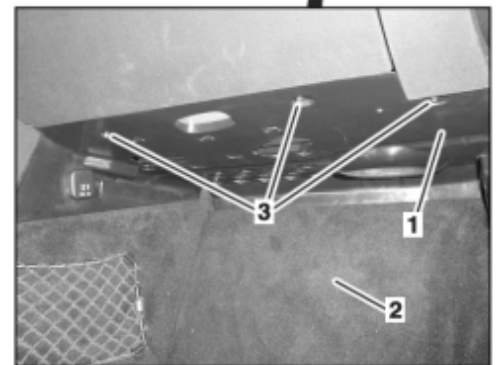
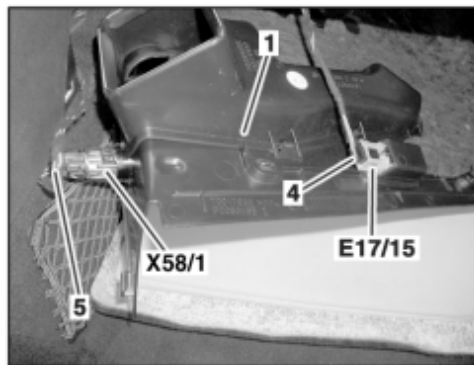
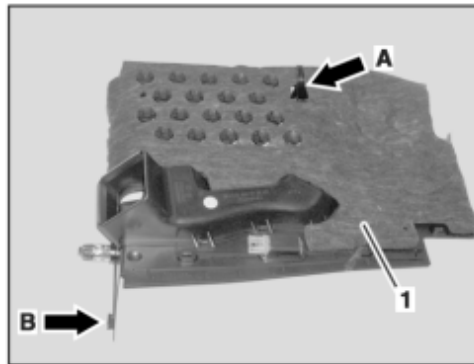
8	Route the wiring harness of the UPCI (Universal Portable CTEL Interface) holder (A34/15) through the opening (arrow)		
9	Use a suitable screwdriver to unclip the UPCI (Universal Portable CTEL Interface) holder (A34/15) from the storage tray (7)	 Carefully unclip the UPCI (Universal Portable CTEL Interface) holder (A34/15), as otherwise it will be damaged.	
10	Install in the reverse order		
11	Perform a function test		

MODEL 171.4

**Shown on vehicle with code (876)
Interior light package**

- 1 Cover
- 2 Floor mat
- 3 Bolts
- 4 Electrical connector
- 5 Electrical connector

E17/15 Right front footwell lamp
(with code (876) Interior light package)
X58/1 Interior socket



P68.10-3043-06

☒ ☒	Remove/install		
1	Move passenger seat to end position toward rear	i See Operating Instructions	
2	Fold back floor covering (2) in passenger footwell		
3	Unscrew bolts (3)		
4	Pull right cover (1) downward	i Installation: Move pins (arrow A) into lug below instrument panel.	
5.1	Disconnect electrical connector (4)	In vehicles with code (876) Interior light package	
6	Loosen cover (1) from center console until electrical connector (5) is accessible	i Installation: Arrest catch hook (arrow B) in center console.	
7	Disconnect electrical connector (5) from interior socket (X58/1)		
8	Remove cover (1) out of the footwell		
9	Install in the reverse order		

1 Open blue connector (15) and remove brown line (br) from blue connector (15).

i The blue connector (15) is still required.

7 Coupling for interface wiring harness

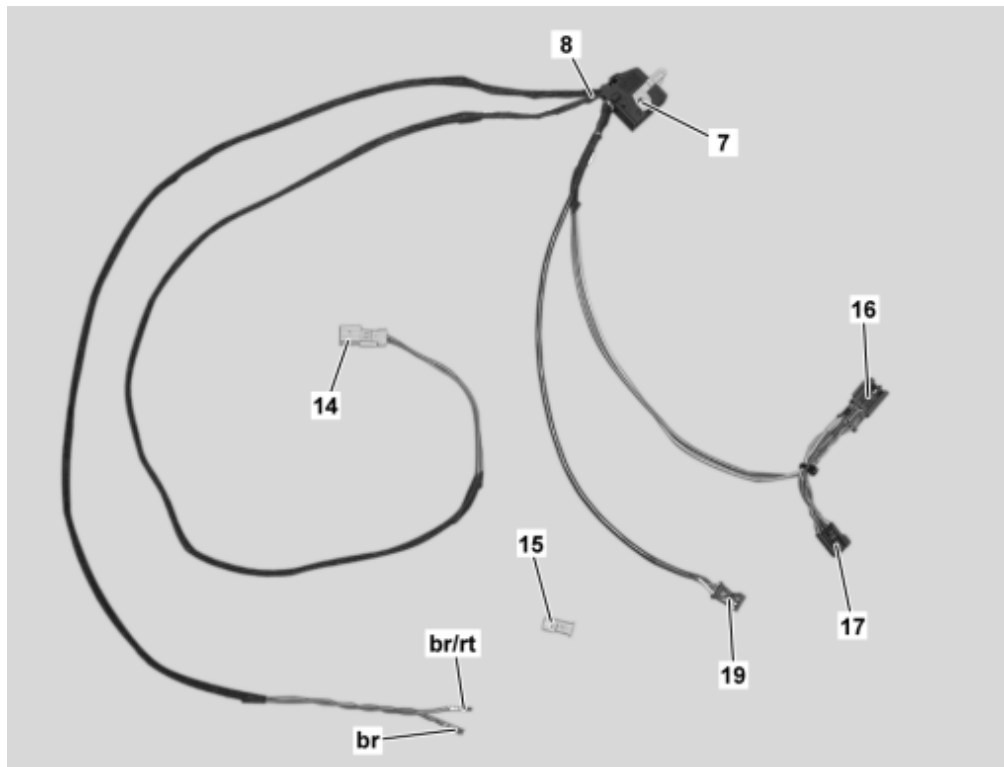
8 iPod interface wiring harness

14 Blue coupling (CAN)

16 Black coupling (voltage supply)

17 Black connector (voltage supply)

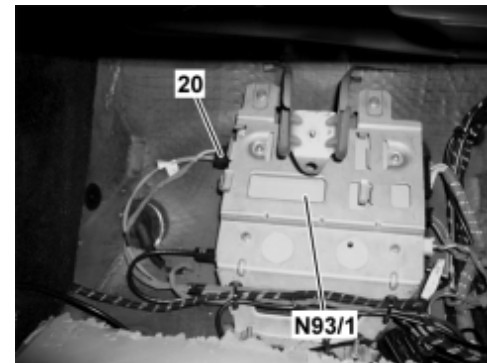
19 Black coupling (AUX input at COMAND)



P82.60-5331-06

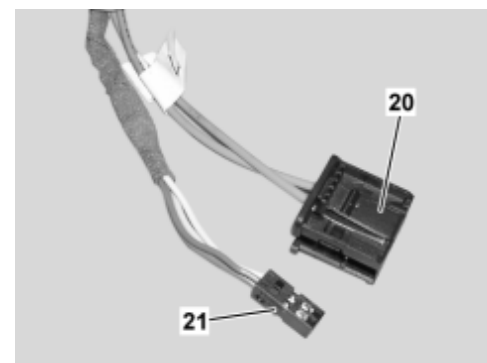
2 Disconnect connector (20) from audio gateway control unit (N93/1).

! **Risk of breakage!** Do not kink fiber optic cable, route over sharp edges nor bend in radii smaller than 25 mm. Tensile forces on inserts must not exceed 65 N. Do not squeeze fiber optical cable and do not compress with clamps or tie straps.



P82.60-5332-01

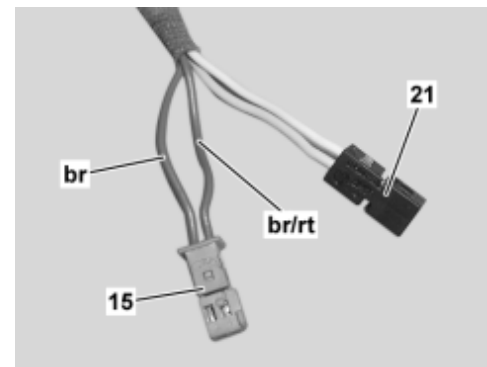
3 Remove connector (21) from connector (20).



P82.60-5333-01

4 Remove brown line (br) from contact cavity "4" of the on-board connector (21) and reinstall in contact cavity "2" of the blue connector (15) supplied.

5 Remove brown/red line (br/r) from contact cavity "2" of the on-board connector (21) and reinstall in contact cavity "1" of the blue connector (15) supplied.



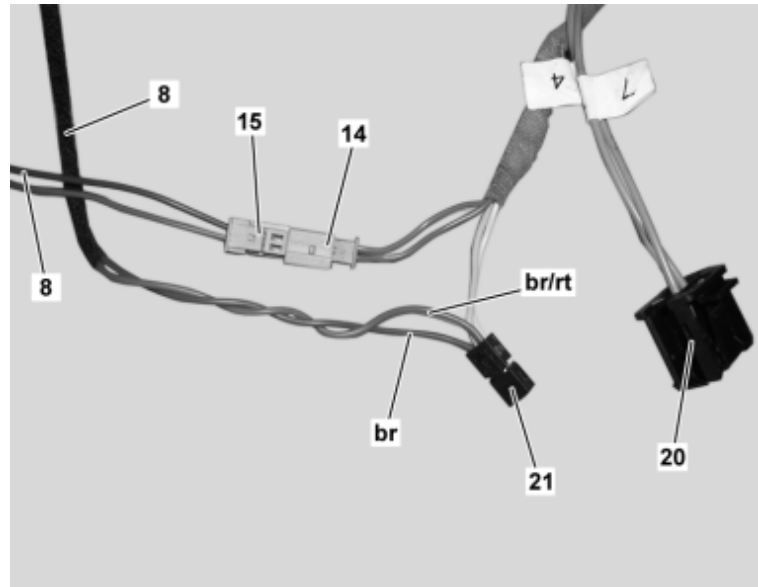
P82.60-5334-01

6 Connect blue connector (15) to blue coupling (14) of iPod interface wiring harness (8).

7 Install brown line (br) of iPod interface wiring harness (8) in contact cavity "4" of the on-board connector (21).

8 Install brown/red line (br/r) of iPod interface wiring harness (8) in contact cavity "2" of the on-board connector (21).

9 Reinstall connector (21) in connector (20).

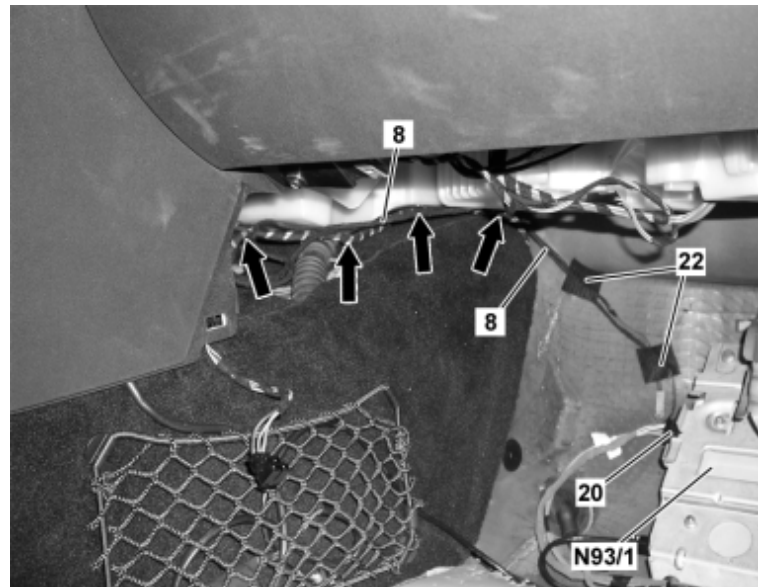


P82.60-5335-11

10 Reconnect connector (20) to audio gateway control unit (N93/1).

Risk of breakage! Do not kink fiber optical cable, route over sharp edges nor bend in radii smaller than 25 mm. Tensile forces on inserts must not exceed 65 N. Do not squeeze fiber optical cable and do not compress with clamps or tie straps.

11 Route the remaining couplings and connectors of the iPod interface wiring harness (8) from the front passenger footwell into the radio recess.



P82.60-5336-11

12 Route the two branch-off lines of the iPod interface wiring harness (8) as per the picture in the footwell and fix into position using two felt strips (22).

i The iPod interface wiring harness (8) has to be fastened on the floor with at least two felt strips (22) as illustrated in the picture. Otherwise, there is the risk of damaging the iPod interface wiring harness (8) when the step plate is installed.

13 Fasten the two branch-off lines of the iPod interface wiring harness (8) to the on-board wiring harness using cable ties (see arrows).

i The remaining couplings and connectors will be connected at a later point in time.

14 Fasten the excess length of the iPod interface wiring harness (8) to the on-board wiring harness using cable ties (see arrows).

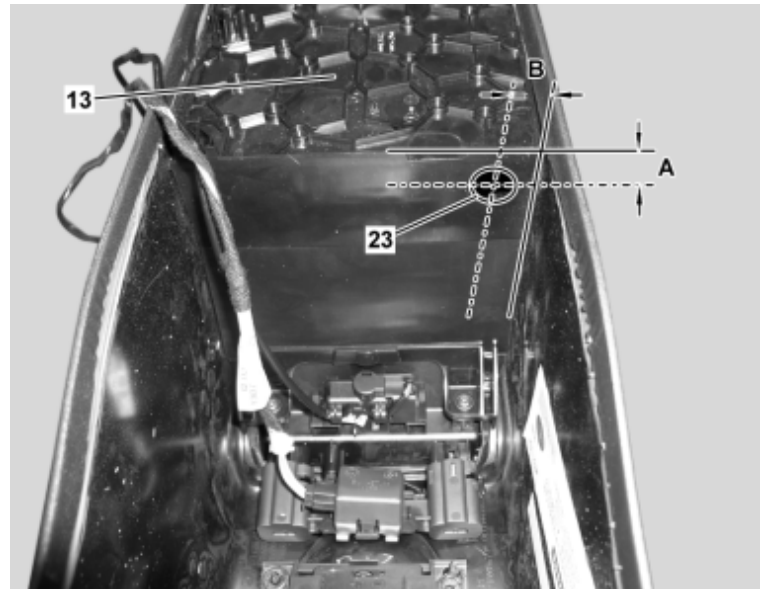
AZ82.60-P-0001-02V	Retrofit iPod wiring harness		
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1 Drill a hole (23) in the center console (13) as per the dimensions.

23 20 mm diameter

A 22 mm

B 20 mm



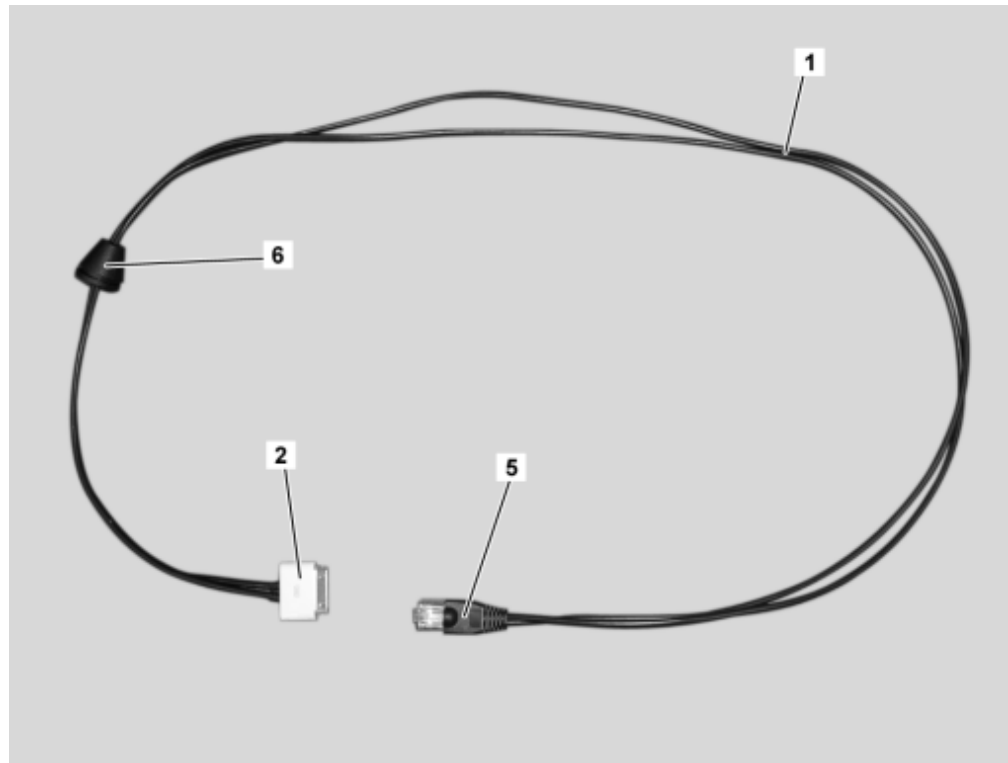
P82.60-5338-11

1 iPod wiring harness

2 iPod connector+

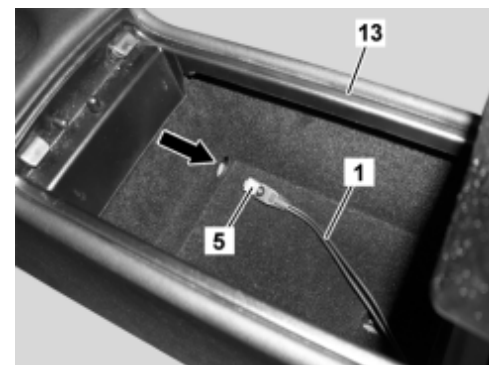
5 Coupling for interface

6 Grommet



P82.60-5339-06

3 Slide coupling for interface (5) of iPod wiring harness (1) from the inside out of center console (13) through the drilled hole (see arrow).



P82.60-5340-01

4 Close hole with grommet (6) of iPod wiring harness (1).

i The iPod coupling (2) of the iPod wiring harness (1) will be connected to the iPod at a later point in time.

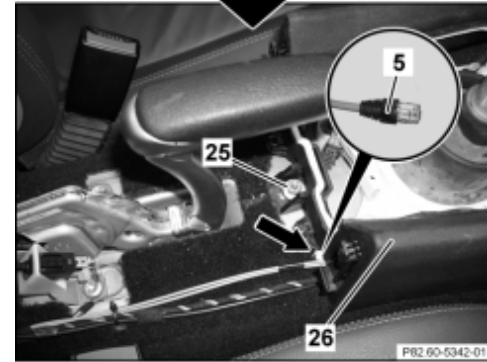
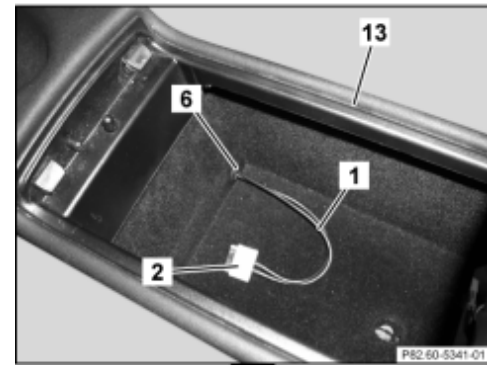
5 Unscrew nut (25).

6 Place center console (13) onto center tunnel.

7 Lift up front center console (26) until the coupling for interface (5) can be pushed through between the center tunnel and the front center console (26).

8 Fasten center console (13) on center tunnel.

! Do not pinch and damage retrofitted iPod wiring harness (1) with the center console (13).

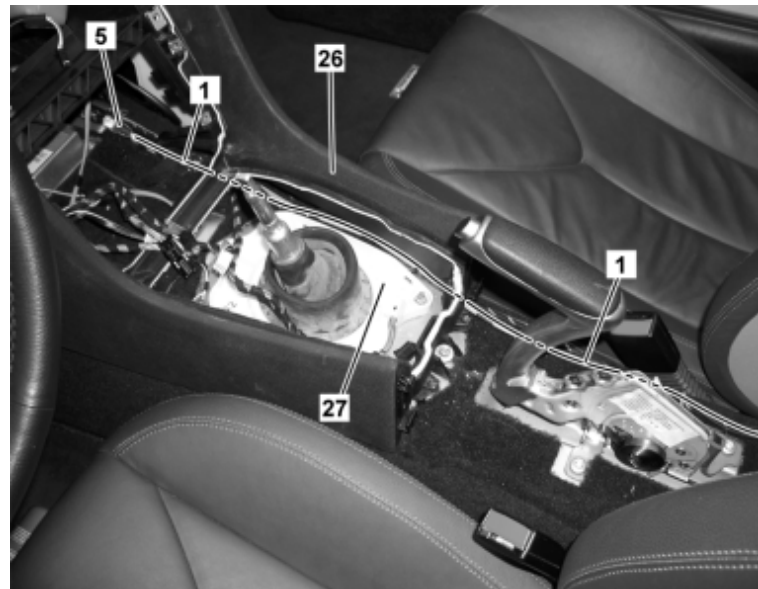


P82.60-5343-03

9 Route iPod wiring harness (1) as per the picture between the front center console (26) and the shift block (27), and secure in place using cable tie.

i The interface connector (5) can be connected to the iPod interface later.

Illustrated with removed rear center console

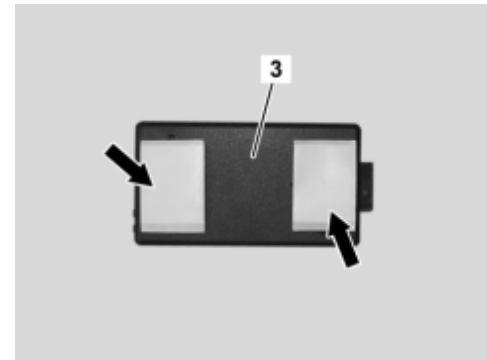


P82.60-5344-11

AZ82.60-P-0001-03V	Retrofit iPod interface		
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1 Glue two of the Velcro strips (see arrows) included in the installation kit onto the iPod interface (3) as per the picture.

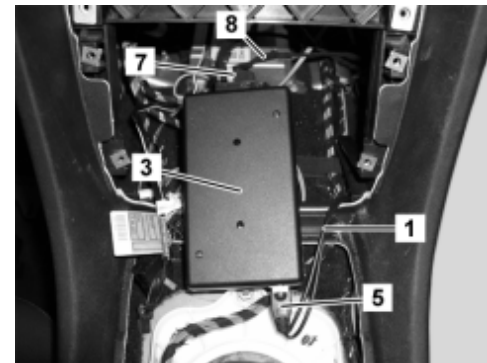
i Bonding surfaces must be clean, dry and free of grease.



P82.60-5311-01

2 Connect coupling for interface (5) of iPod wiring harness (1) and coupling for interface wiring harness (7) of iPod interface wiring harness (8) to iPod interface (3).

i The connections are coded mechanically and can therefore not be mixed up.

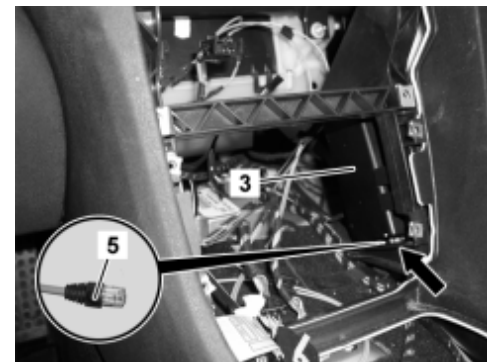


P82.60-5345-01

3 Fasten iPod interface (3) in radio recess with Velcro strips attached beforehand as shown in figure.

i The iPod interface (3) has to be installed in such a manner that the connection for the coupling for interface (5) is at the bottom (see arrow).

i Bonding surfaces must be clean, dry and free of grease. If required, the iPod interface (3) additionally has to be secured in place with self-adhesive felt tape.



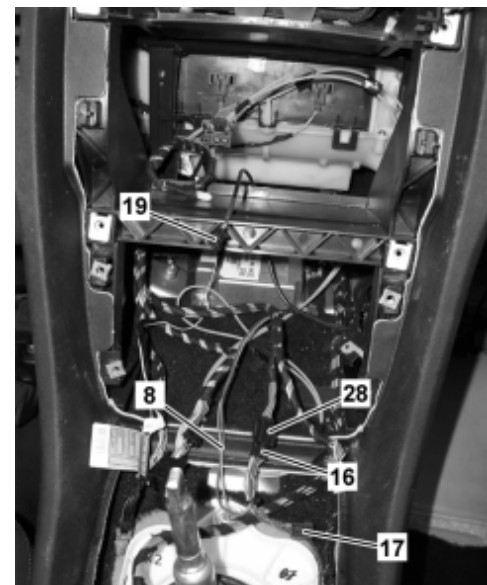
P82.60-5346-01

4 Route black coupling (19) from iPod interface wiring harness (8) into the radio recess.

i The black coupling (19) will be connected to the COMAND operating, display and control unit (A40/3) at a later point in time.

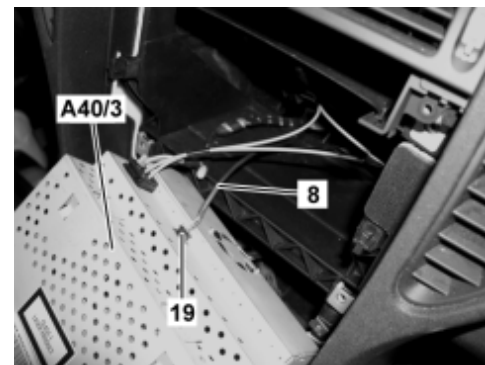
5 Connect black, 4-pin connector (28) of on-board wiring harness to black coupling (16) of iPod wiring harness (8).

i The black, 4-pin connector (28) was connected to the upper control panel control unit (N72/1). The black connector (17) will be connected to the upper control panel control unit (N72/1) at a later point in time.



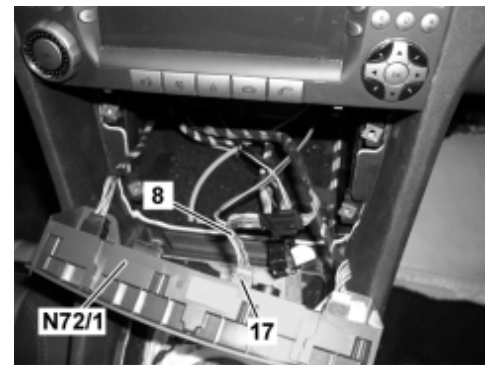
P82.60-5347-02

i When installing the COMAND operating, display and control unit (A40/3), the black connector (19) of the iPod interface wiring harness (8) has to be connected to the COMAND operating, display and control unit (A40/3).



P82.60-5348-01

i When installing the upper control panel control unit (N72/1), the black connector (17) of the iPod interface wiring harness (8) has to be connected to the upper control panel control unit (N72/1).



P82.60-5349-01