

Front & Rear System incl. subwoofer and amplifier and optional accessories



Packing list sound package 1 69758-82:

- 2x „XE 26A“ tweeters (front & rear)
- 2x vehicle specific tweeter crossovers
- 2x „XM165“ Power Woofer (Front)
- 2x Marco Polo specific mounting rings for „XM165
- 2x 2-way woofer crossovers for front system (rear side covered with felt)
- 1x 200mm quadcoil subwoofer (Horizon specific) incl. mounting bracket
- 1x subwoofer connection cable 3.3m „plug&play
- 1x digital high-performance amplifier
- 1x amplifier connection cable 2.2m „plug&play
- 1x „plug&play“ adapter for original Mercedes radio
- 1x plug & play crossover for volume reduction center speaker

Additionally included in sound package 2 69759-82:

- 2x 130mm coaxial speaker incl. mounting ring (consisting of two parts)
- pre-assembled incl:



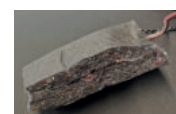
Optional: 69497

- Cable extension for the sliding door control module incl.
- insulation fleece 1x10x17cm
- 1x 4,2x16 lens head, self-tapping
- 1x 3m adhesive pad round
- 1x extension cable
- 2x screw with collar 3,9 x 16

Optional accessories:

- Bluetooth function integrated in amplifier
- Rocker switch
- Remote control to control the subwoofer and to regulate the sound setup
- Extension cable for the sliding door control module

mounting kit:



Tweeter: Tweeter mounting kit

woofer: 8x lens head 3,9 x 16
subwoofer: 1x 14x25cm damping fleece



- for canbus module
- 2x cable tie 36cm length
- 1x piece of felt 12 x 8cm (self-adhesive)
- 2x Self-tapping screw 3,9 x 16



Amplifier: 8x Velcro dots
Aluminum strip



General installation instructions - must be observed!



Power supply:

The amplifier must be supplied with a separate power supply to the body battery with a cable cross-section of 10mm² and a fuse protection of the amplifier with 30A.



Radio settings:

For the best sound, all radio settings (bass, treble, loudness, equalizing, etc.) should be set to ZERO or OFF.

Installation note:

To avoid vibration noise, secure all wiring harnesses with insulating tape or similar.

Cable routing / connection scheme Marco Polo Horizon

Tweeter crossover

Head unit connection cable

Connection radio - amplifier

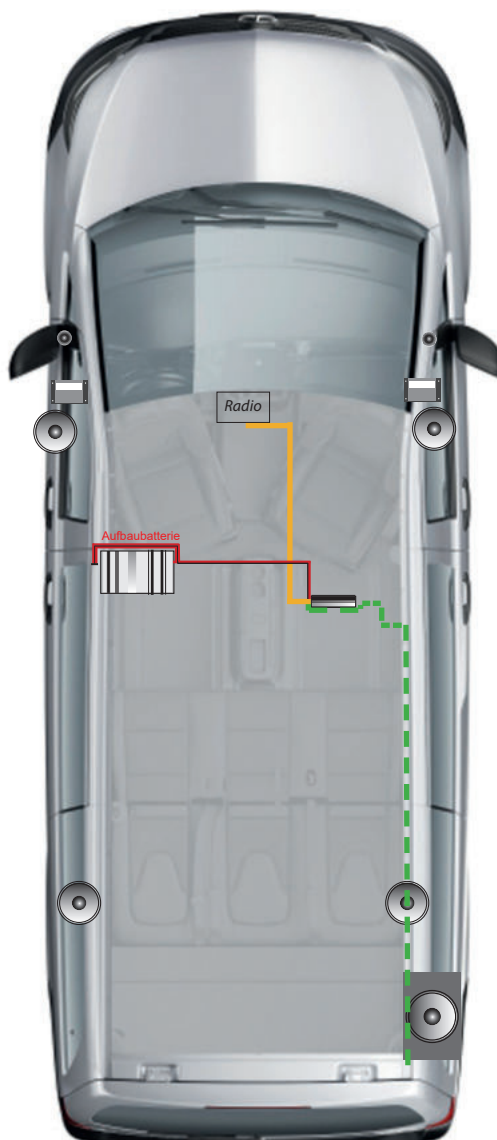
Low frequency crossover

Power cable 12V+

Ground cable

10mm² / 30A fuse

The fuse connection of the + line was laid in the inspection area under the driver's seat of the ground distribution.



Tweeter »XE 26A«

Crossover
vehicle specific

Front woofer

Subwoofer connection cable
Length 3,3m

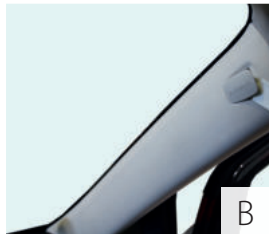
»plug & play« amplifier- subwoofer

Subwoofer

with vehicle specific housing and
»plug & play« connection cable

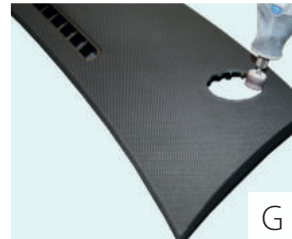
1. tweeter mounting

1.1 Disassembly of the A-pillar

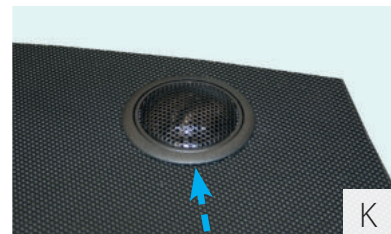
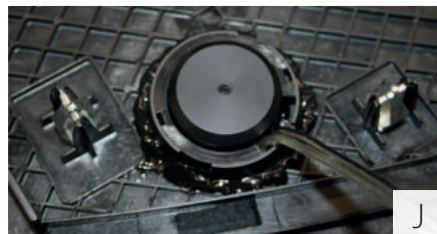


Remove the A-pillar on both sides to be able to dismantle the front grilles.

1.2 Tweeter preparation

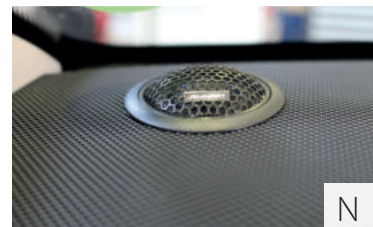
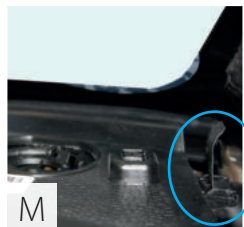


- Remove the front grille on the dashboard
- Unplug and remove original tweeter (installed in dashboard).
- Tape off front grille in the area of the cutout (important to avoid damage!)
- Mark cutouts (position is exactly in the center of the factory speaker opening)
- Cut out the pre-drawn opening (e.g. with a conical drill and Dremel).



- Glue the tweeter to the back of the front grille to secure it in place and let dry

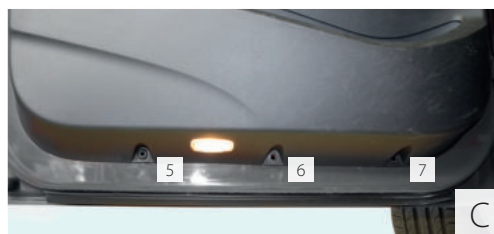
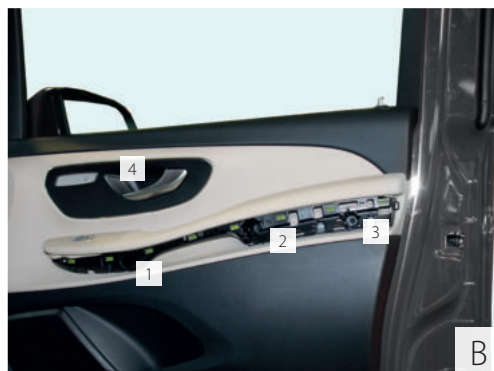
Note: The visible side of the tweeter should be flush with the grille.



- Route original connection cable under dashboard to A-pillar and connect factory tweeter cable with crossover-input
- Connect crossover with tweeter
- Route crossover under dashboard and mount front grille (left and right)
- Disconnect factory center speaker and mount center front grille
- Then mount the A-pillars again

2. woofer mounting »front« in the vehicle doors

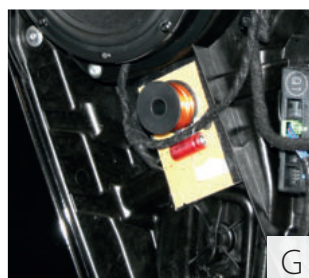
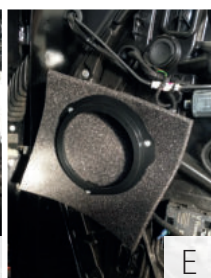
2.1. disassemble door panel



- Remove door handle
- Loosen 7 screws (see Fig. B and C)
- Unclip door trim - remove all plugs and the locking cable

2.2. woofer mounting

- Insulate the back of the door trim with insulating fleece.
- **Recommendation (optional):** Insulate the inside of the door (body) (behind the original speaker opening) with Alubutyl.



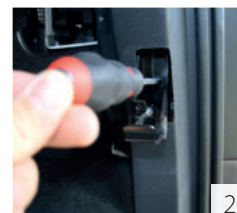
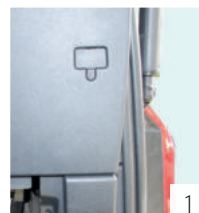
- Cut Rainstop to size and mount woofer adapter (Fig. D and E).
(Optimal: tape front & back of ring with compressor tape --> avoids vibration noise)
- Cut off protruding rainstop around woofer adapter (Fig. F)
- Mount crossover to car doors (see fig. G); collar screw 3.9 x 16mm
- Connect original connection cable (see fig. H) of woofer with crossover input
(green cable = plus, green/brown cable = minus)
- Drill a hole in the woofer adapter from below for the connection cable.
- **Lead the connection cable from the crossover to the woofer through the hole**
- Connect the Jehnert woofer (see fig. I)
- Mount the door panel with the original screws



3. disassembly seats - side panel

3.1. remove seats

3.2 Dismantle the side panels on the driver and passenger side.



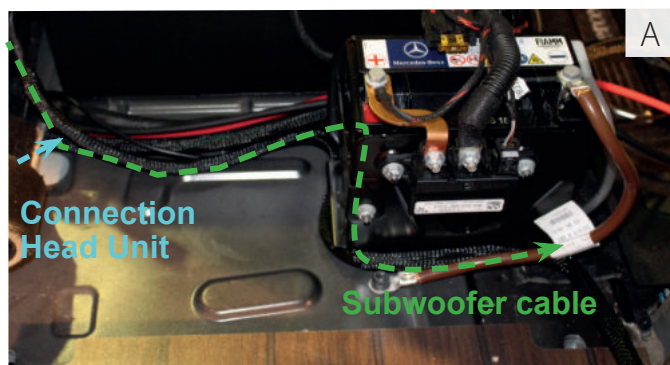
Loosen all screws (see Fig. A):

- Loosen screws (Fig. 1, 3 and 5).
- Remove release (Fig. 2):
- Remove small cotter pin on left side (see Fig. 2)
- Pull off rotating mechanism to the outside
- Remove screws and plastic cap
- Loosen 2 screws on metal holder
- Remove metal holder
- Remove cladding (Fig. 4 and 6)

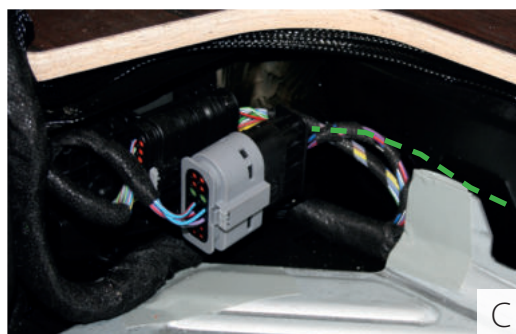


- Carefully release the side panel from the rubber seal and unplug any connectors
- Unclip the side panel

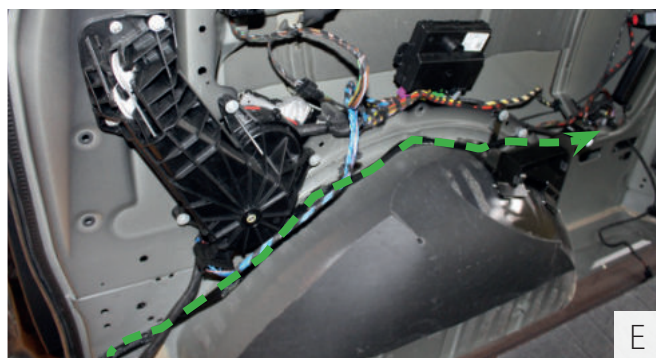
4. cable routing subwoofer (passenger seat - rear side panel).



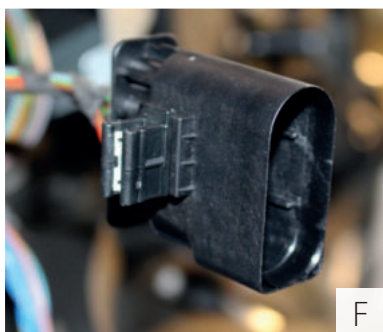
- Route subwoofer connection to side of battery through seat console.
- Subwoofer mounting location: passenger side in rear, behind side trim (see floor plan on page 2 for cable routing).



- Lay the subwoofer cable on the side of the B-pillar, then route it under the wooden floor along the entrance and secure it additionally with adhesive tape (on the entrance).



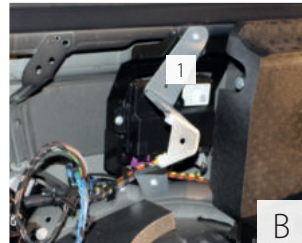
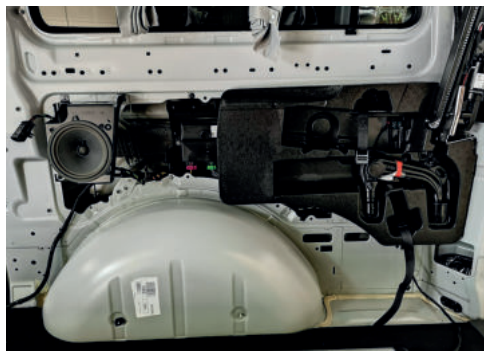
- Run the cable up to the wheel housing and along above the wheel housing to the subwoofer connection point.



- Remove Delphi connector from the body (unclip)
- Then cover plug with felt to avoid vibration noise

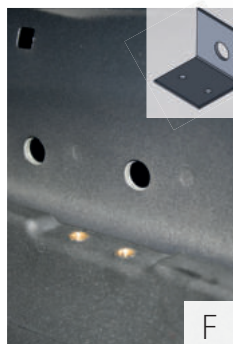
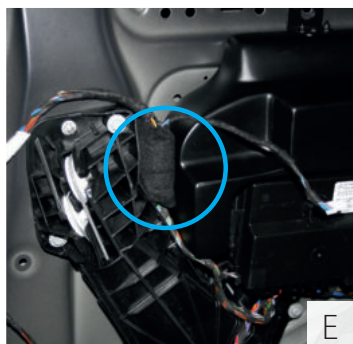
5. subwoofer mounting passenger side

5.1 Preparations



- Remove styrofoam insert (jack and trailer hitch).
- Remove all metal brackets (1 & 2) so that the subwoofer can be inserted.
- Remove sliding door module, disconnect all plugs to do this. If necessary, the cable (with green plug) must be extended by 35cm (until year of manufacture 03.2018, item no.: 69497)

5.2 Mounting the subwoofer

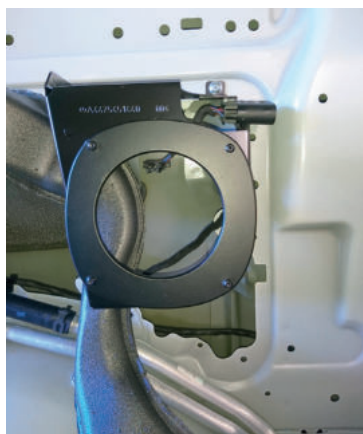


- The subwoofer connection cable has already been routed according to the description on page 8.
- Insert the subwoofer into the rear wall of the car body. Press the lower edge first, then the upper edge against the body.
To avoid vibration noise, secure all cable harnesses with felt/insulating tape or similar.
Ensure that the wiring harnesses, Delphi connectors and control module are protected against vibration.
Please always ensure that the side panel can be refitted.
- Secure the Delphi connector against vibration and clamp it to the left of the subwoofer (see Fig. F).
- Align the subwoofer to the mounting points and fix it by means of the 2x Self-tapping screw 3.9 x 16 and the corresponding safety washer to the existing thread of the body.



- Connect subwoofer cable to terminal of subwoofer (rear side).
- Mount and connect door and tailgate control module in existing recess of subwoofer.
- Entry strip and side panel can be mounted again

6. mounting rear system (side panel left & right)



- Disassemble the workpiece loudspeaker.
- Fastening the mounting ring
- Mount the coaxial loudspeaker (rear system) on the mounting ring and connect it.



- Fix the rack with the aluminum angle
- Then mount dismantled side panel. (Recommendation 2 persons)

TIP: We recommend insulating the side panels with Alubutyl against vibration.



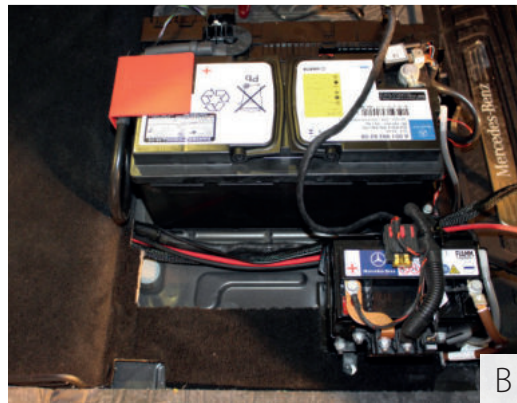
7. power supply amplifier (and optional remote switch).



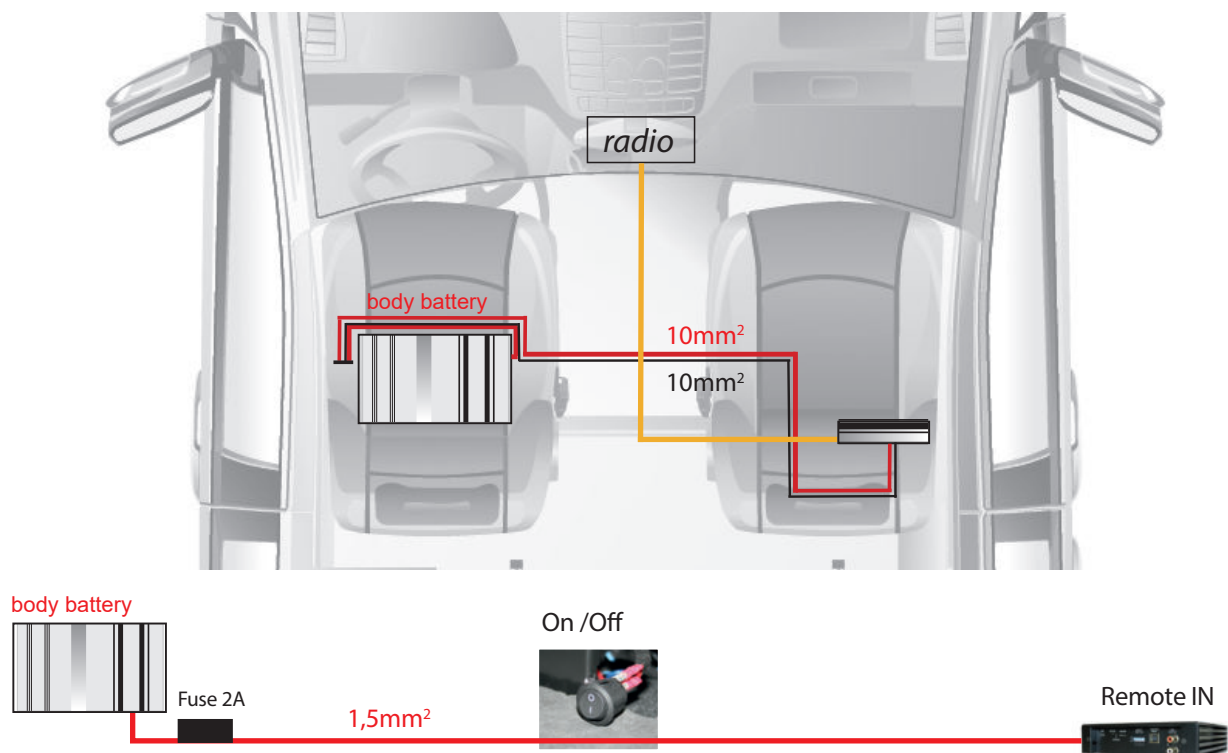
To ensure optimum adhesion of the Velcro pads, we recommend pre-ringing all adhesive dots (e.g. thinner).

The adhesive surface of the Velcro dots is increased to the optimum by heating and a

7.1. Stromversorgung Verstärker



- Route power and ground cables from body battery (under driver's seat) under passenger seat (power supply to amplifier).
- Connect all cables to the amplifier (power/ground, speaker input & output, subwoofer cable)
- Route power and ground cable from body battery to Bluetooth module / rocker switch
- Fix cable adaption under the seat console
- After completion of the amplifier assembly (power connection) plug in the fuse
- The remote switch, which controls the Bluetooth module, is fused with 2A

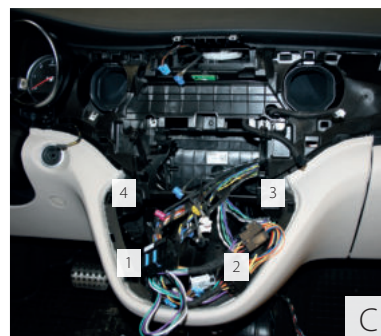
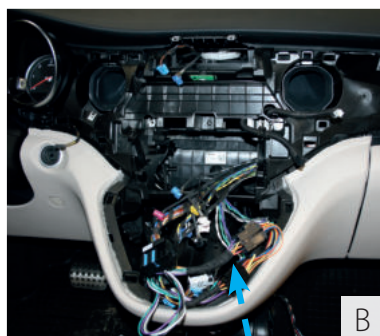


8. power supply amplifier (and optional remote switch)

8.1 Disassembling the center console

- Unplug Westfalia on-board computer
- Take out cup holder (remove screws)
- Loosen side screws and disconnect connectors
- Pull console backwards and remove

8.2. Radio demontieren



- Remove the lower plastic cover (see Fig. B) and loosen the 4 screws underneath (see Fig. C).
- Disconnect and remove touch panel
- Loosen 2 screws on the monitor to be able to remove it



- Remove ventilation nozzles (Fig. D; 1-3) with unlocking tool (Fig. E) and loosen the screws below them
- Pull off complete decor panel to the front and disconnect all plugs
- Undo 2 screws on radio, remove radio and disconnect all connectors

8.3 Cable preparation (ISO cable)



- Pull ISO cable through radio slot, center console to under passenger seat



- (Optional: Run the cable for controlling the subwoofer from the center console (see Fig. G) to under the passenger seat as well.

Optional accessories!

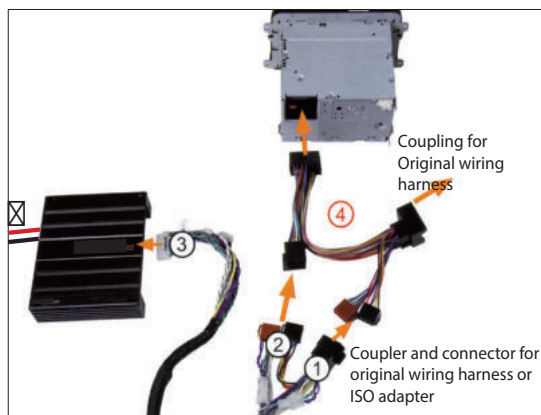
9. connect radio

The amplifier must be supplied with a separate power supply and ground to the body battery (under the driver's seat) with a cable cross-section of 10mm² and a fuse rating of 30A.

The power and ground cable as well as the loudspeaker input and output are provided ex works (laid by Daimler ex works) under the passenger seat.

Amplifier connection »High power amplifier«:

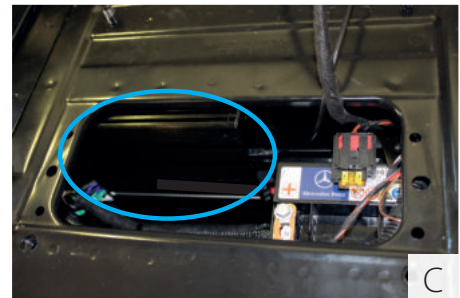
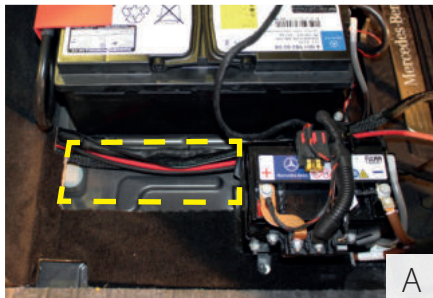
1. Anschluss an das Autoradio



- ✓ ISO coupling - here the wiring harness of the original radio is or an ISO adapter is plugged in.
- ✓ ISO connector - these are plugged into the original radio or into the ISO adapter.
- ✓ This 20-pin connector is plugged into the amplifier.
- ✓ Optional: ISO adapter - should the ISO plugs of the supplied harness does not fit to the original radio, a vehicle specific vehicle-specific ISO adapter must be used.
- ✓ The power connection is made directly to the battery using a 10mm² cable - the positive wire must be fused just before the battery (30A).

• Reinstall / mount all dismantled parts (on-board computer, cup holder, plastic cover, etc.)

10. amplifier mounting



- Cut out a piece of carpet (height 50cm) (see Fig. A).
- Connect short power cable (approx. 40cm) 1,5mm² to remote IN of the amplifier; the end is connected to the remote switch
- Stick amplifier to seat console (passenger side) with supplied velcro plates --> make sure seat fits back in!
- Put in the seat console (do not fix it yet!)

- Connect all cables and check a secure hold
- Provide power supply for amplifier and remote with a fuse holder (**do not insert fuse yet!**)
- Secure fuse holder with cable ties or velcro dots

Optional accessories!

- Secure / fasten remaining cables with cable ties
- Afterwards the seat consoles can be mounted (fixed)
- After fixing, mount the seats again

Optional: Remote control to control the subwoofer and the sound setups:

- Fasten remote control for controlling the subwoofer with 4 screws

11. install remote switch



D



E

Optionales Zubehör!

Cable routing see page X

- Drill an approx. 20mm hole in the plastic trim of the seat console (rear) (measure/check the Ø of the switch!)
- Connect 2x 1,5mm² to switch and put it through the hole (see fig. E)
- Mount the plastic trim again
- Insert the fuse into the holder. The sound system is now fully functional.

Notes:

Warranty:

As the manufacturer, we warrant these sound systems for 2 years from the date of purchase from the dealer. Within this warranty period, we will, at our option, repair or replace free of charge all defects that are due to material or manufacturing faults. Excluded from the warranty are damages which are due to improper use or installation, to wear and tear or to interventions by third parties. The warranty does not cover consequential damage or defects that only insignificantly impair the value or usability of the sound systems. A warranty obligation is not triggered in the case of damage caused by external influences. Systems with additional or incorrect mounting holes are excluded from exchange. These are damages to the components that cannot be repaired.

If you have any questions, please do not hesitate to contact our team in Pliezhausen:

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