

Mercedes Sprinter Integrated

W907 / W910 Soundpackage 1 and 2

Assembly instruction

Status: 19.02.2024

Art.-No. 68131/68132

JEHNERT
Sound Design
AUTOMOTIVE

3-way sound system Mercedes Sprinter (68131/68132) incl. subwoofer and amplifier, living room speakers

Model/year: Sprinter VS30 from 2018 (Type W907 / W910) - Integrated models incl. low-frequency extension.

Only for vehicles without cover flaps on the dashboard/storage compartment



Packing List:

- 1x midrange/tweeter module incl. acoustic fabric baffle (left & right), covered.
- 2x „XE26“ neodymium softdome tweeter Ø 26mm
- 2x „XE80“ midrange driver Ø 80mm
- 2x „XE130G“ low-midrange driver „Power-Woofer“ Ø 130mm inkl. mounting ring and grille
- 2x mid-high crossover incl. cable assembly (Art.-No.: 7000 FW)
- 2x low frequency crossover incl. cable assembly and rear felt (Art.-No.: 65130FW-TT)
- 1x mounting set - Mercedes Sprinter art.-no.: 65130)
- 1x 5-channel DSP amplifier incl. 2,2m ISO cable and mounting instructions
- 1x subwoofer of your choice incl. mounting set and 4,8m subwoofer cable
- 1x cable crossover for center crossover speaker jacketed
- 1x mounting set consisting of 10x countersunk head screw 3.9 x 16mm

with sound package 2 (68132):

- 2x living room speakers of your choice incl. mounting set and mounting instructions

Mounting kit Art.-No. 65740:

Dashboard mid-high module

- 2x spax screw 4 x 25
- 2x spax screw 4 x 55
- 2x spax screw 4 x 70
- 2x collar screw 3.9 x 16 mm

Mounting set for MDF subwoofer

- 4x Velcro pads round
- 4x self-adhesive velcro pads
- 4x Pan head screw 3,5x13mm

Required tools

- | | |
|--------------------------------|-----------------|
| Phillips screwdriver | Insulating tape |
| Torx screwdriver (TX 20/25/30) | Stripper |
| Hot glue gun | Crimping pliers |
| Plastic wedge | Side cutter |



Optional accessories:

- Remote control to control the subwoofer and to regulate the sound setup
- AUX connection integrated in the amplifier (optional additionally Bluetooth connection external via Y-adapter)
- Bluetooth function integrated in the amplifier (instead of AUX)
- Rocker switch

Note: For easier installation, it is recommended to order the radio preparation (Mercedes code: E3D) at the factory, so that simple plug&play connection is possible. If the motorhome is a Hymer motorhome, the ISO cabling of the factory-installed of the factory-installed DSP box (only for vehicles incl. multimedia system), but the DSP amplifier must remain connected for TV use (power).

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 2.5mm² (for standard variant)/ 10mm² (for high power variant) and a fuse protection of the amplifier with 20A/30A.



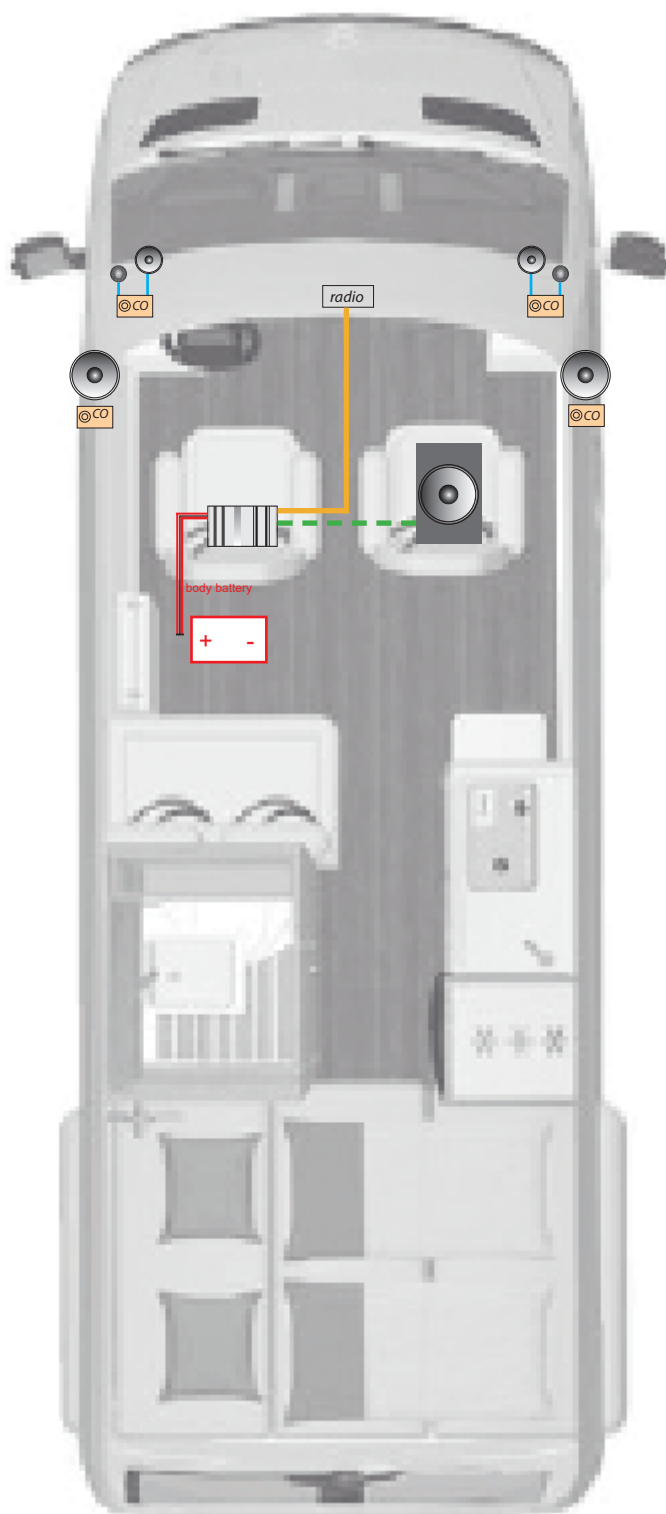
Radio settings:

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

Installation Notice:

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

Cable routing / connection scheme



Tweeter »XE 26«

Mounting in the dashboard in the mid-high module, pre-installed.

Mid range »XE 80«

Mounting in the dashboard in the mid-high module, pre-installed.

Woofers »XE130G«

Mounting in the vehicle side panels.

Crossovers

MHT crossover vehicle specific

Mounting behind the A-pillar trim laterally in the cavity of the dashboard.

TT crossover vehicle specific

Mounting in the side panel.

Subwoofer

For example, housing for mounting under the passenger seat incl 4.8m »plug & play« subwoofer cable.

Amplifier / Radio

5-channel digital sound processor/amplifier.

Power cable 12V+

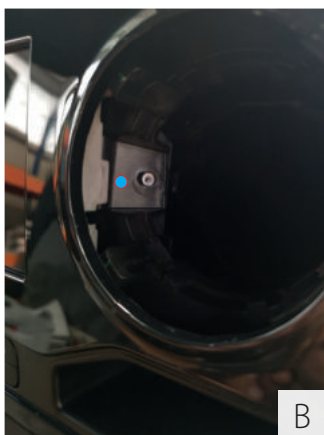
Ground cable

2.5mm² / 20A fuse (standard variant).

10mm² / 30A fuse (high power variant).

The position of the body battery, subwoofer and amplifier is not identical in every vehicle!

1. radio disassembly (only necessary if no Mercedes E3D interface (DSP preparation) is available)



- Pull out the ventilation nozzles forwards using a hook inside the radius (recess provided) on the left-hand side. ● (see fig. A)
- Remove the screws behind the air vents. ● (see fig. B)
- Carefully pry out the radio console (display with frame) between the dashboard and the plastic trim with a plastic wedge, starting at the front, disconnect the connector and remove the complete panel. ● (see fig. C)



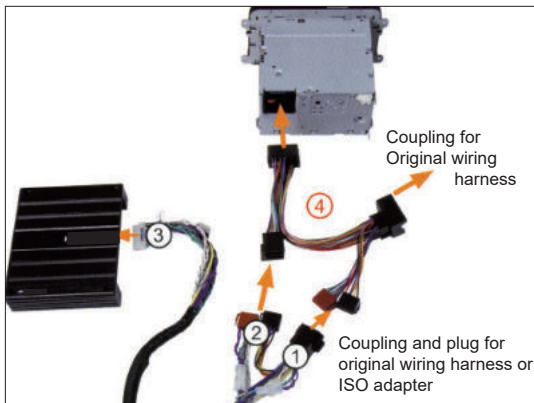
- Remove the radio mounting screws (4 pcs.), then remove the radio. (see fig. E)
- Run Iso connection cable starting from the radio shaft to the amplifier mounting location. (see description of amplifier)
- Disconnect the connector plug from the radio ● (see fig. F).
- Connect the radio connection cable (11080) with the original radio plug. Connect the opposite side to the radio.

2. 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 2.5mm² and a fuse rating of 20A.

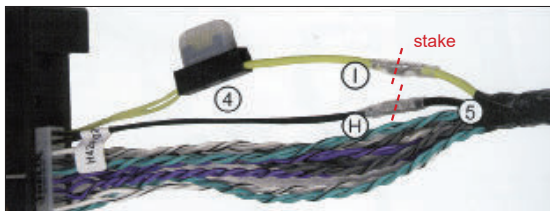
Amplifier connection »Standard amplifier«:

2.1. connection to the car radio



- ISO coupler - the wiring harness of the original radio or an ISO adapter is plugged in here.
- ISO plug - these are plugged into the original radio or ISO adapter.
- This 20-pin connector is plugged into the amplifier.
- **Optional:** ISO adapter - if the ISO plugs of the supplied wiring harness do not fit the original radio, an ISO adapter must be used.

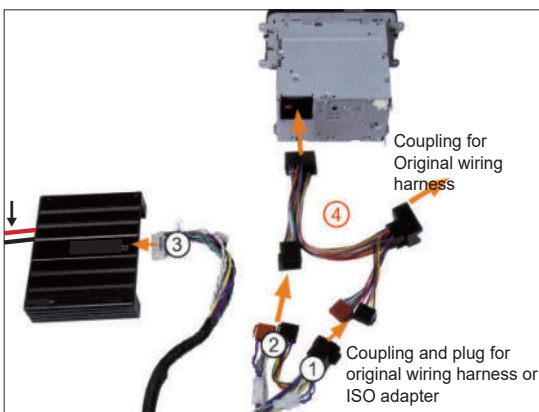
2.2. connection for direct power supply from the battery.



- This side is connected directly to the battery. For this purpose, the cable connections I and H are disconnected.
- After disconnecting cable connections I and H, the open ends must be insulated individually.
- I +12 volt line for connection to the positive pole of the car battery.
- H Ground line for connection to the negative pole of the car battery or for connection to the ground point of the car chassis.

Amplifier connection »High power amplifier«:

2.1.1. Connection to the car radio



- ISO coupler - the wiring harness of the original radio or an ISO adapter is plugged in here.
- ISO plug - these are plugged into the original radio or ISO adapter.
- This 20-pin connector is plugged into the amplifier.
- **Optional:** ISO adapter - if the ISO plugs of the supplied wiring harness do not fit the original radio, a 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).

3. general dismantling

3.1. seats

- **Disconnect all plugs at the seats! Attention: yellow plug: belt tensioner / airbag**
(Please switch off vehicle ignition, remove key and disconnect battery)
- Remove driver and passenger seat from the vehicle 4 screws per seat (Important: disconnect plug!)



3.2. rubber mat in the footwell



- Screws and the plastic sill trims ● disassemble (driver and passenger side) (see Fig. A)
- Cover in footwell (on-board tool) ● remove under the glove compartment (see fig. B)
- Remove other covers in the footwell to be able to remove the Mercedes rubber floor mat
- Plastic cladding ● disassemble under the center console (see fig. B)

4. mounting of the mid-high modules in the dashboard

4.1. Dismantle factory tweeter



- Remove original tweeter cover with a plastic wedge from the front. (see fig. A) ○
- Remove Mercedes tweeter, disconnect original connection cable (see Fig. B).



- Loosen screw from cover (see Fig. C)
- Unclip cover -> loosen starting from outside (see Fig. D)



- Remove the two cupholder/storage compartment screws located under the disassembled cover (see Figs. E & F)

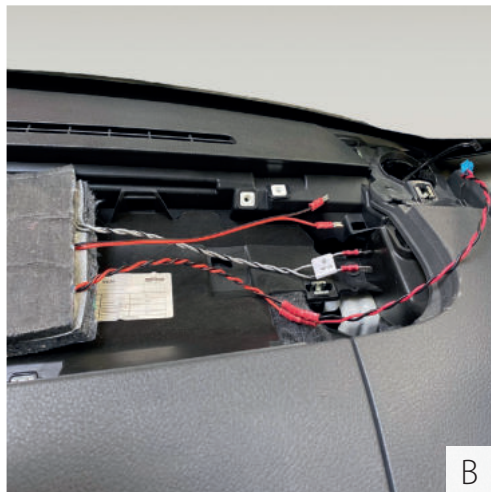


- Dismantle cupholder/storage compartment -> use wedge and loosen part starting from outside (see Fig. G)

4.2 Assembly of the crossovers



A

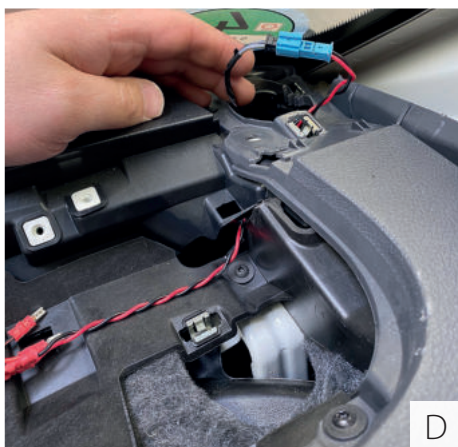


B



C

- Wrap mid-high crossover in damping fleece (see Fig. A).
- Place crossover in indentation of storage compartment and route tweeter connection through original tweeter hole and connect with cable (see Fig. C and D).



D

- Drill a 10 mm hole in the center of the cupholder/storage compartment -> ideally use a step drill.
- Feed the midrange and tweeter speaker cables from below through the drilled hole and check the position of the storage compartment. (see fig. E)



E

4.3. mounting of the mid-high modules in the dashboard (only suitable for vehicles with storage compartment without cover flap)



- When the cables have been properly routed through the hole (no excessive tension) insert both screws of the cupholder storage compartment and tighten them (see fig. A/B)



- Clip the tweeter cover strips back in place and tighten the screw on the outside (see Fig. C).
- Mount original HT cover (see Fig. D)

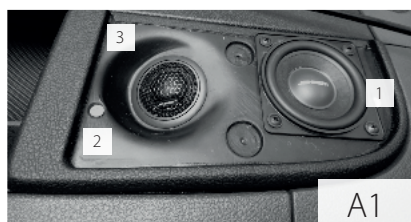


- Place the mid-high module on the discard tray and connect the tweeter and mid-range drivers so that they are short-circuit-proof (see Fig. E and F).

4.5. mounting of the midrange/tweeter modules in the dashboard incl crossovers (only suitable for vehicles with storage compartment without cover flap)



- Tighten the MHT module ->outside: Spax 4x25mm, inside: Spax 4x55mm (see fig. A/A1/A2)



- | | |
|---|-------------|
| 1 | Spax 4 x 25 |
| 2 | Spax 4 x 55 |
| 3 | Spax 4 x 70 |

Fig.: Mid/high module passenger side



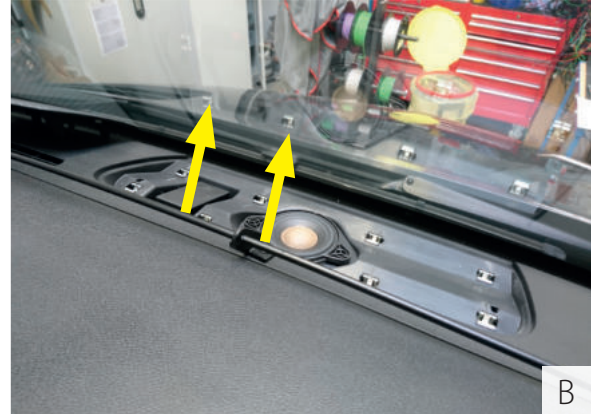
Fig.: Mid/high module passenger side



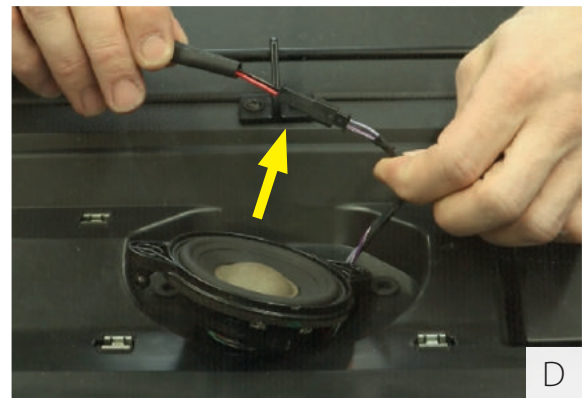
Fig.: Mid/high module passenger side

- Re-attach the midrange speaker using the 3 pre-assembled **3.9x13mm** collar screws.
- Fix the loudspeaker and the moulded part to the dashboard in the rear corner using a **3.9 x 16 mm** collar screw (see Fig. B)
- Check tight fit, then fit acoustic fabric cover and press on firmly (Velcro disc) (see Fig. c)

5. Attenuation of the center speaker in the dashboard

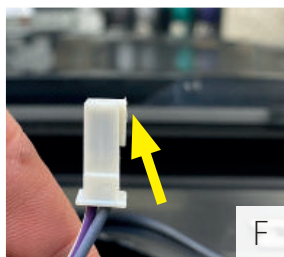
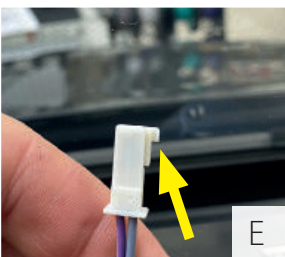


- Dismantle original cover (see fig. A)
- Lever out loudspeaker (see Fig. B)

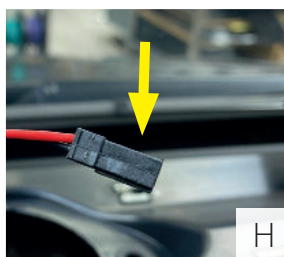
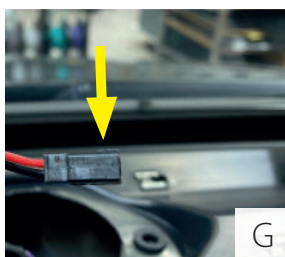


- Disconnect the purple-white marked cable, insert the cable switch (fig. C) and reconnect the loudspeaker (see fig. D).
- finally reinsert loudspeaker and clip in cover

Attention: On some vehicles the original Mercedes connectors have been swapped.
In this case, the connector must be modified as follows:



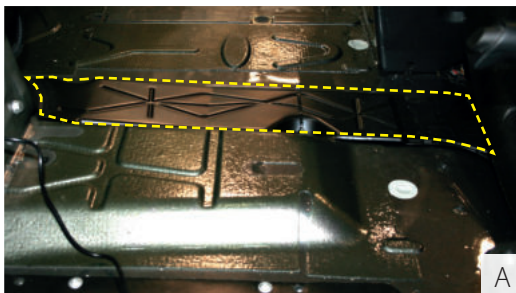
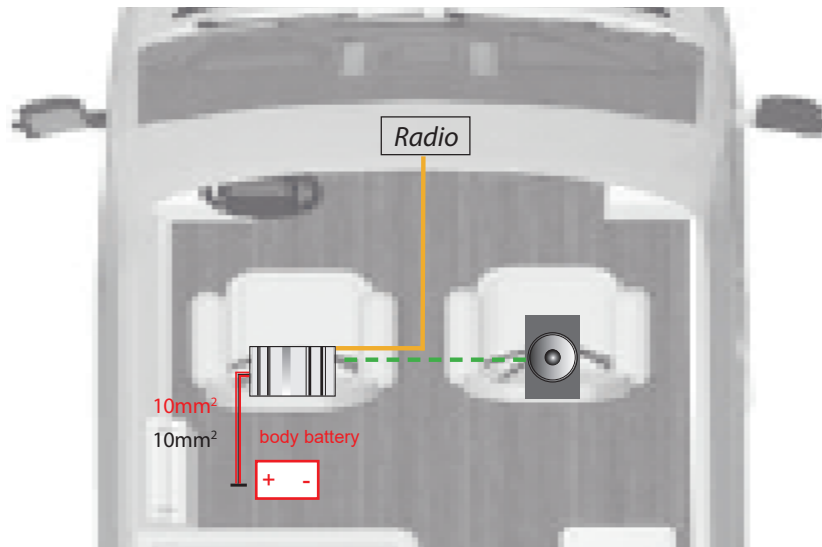
- If the factory speaker connector has a pin on the end of the plug (see Fig. E), carefully separate it with a knife (see Fig. F).



- Repeat this for the connector of the Jehnert Center crossover (Fig. G/H) so that the connection fits between the crossover and the factory connection cable.

Note: keep the radio playing while unplugging the center speaker. No sound should be played, otherwise the emergency system has been interrupted.

6. amplifier mounting (optional: subwoofer controller mounting)



- Open the original cable gland (cable shaft) (fig. A).
- Lay the ISO cable from the center console (radio) through the shaft to the mounting location of the amplifier (fig. B,C).

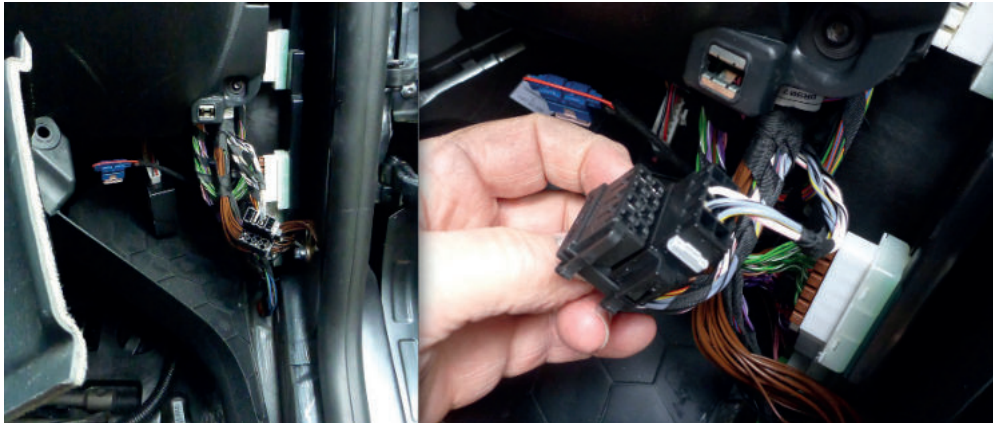


- Optional: Lay the cable for the URC remote control (controller for controlling the subwoofer) from the center console (radio) through the shaft to the mounting location of the amplifier, (mounting location example for the URC see fig. D) positioning freely selectable.
- Lay the 3.3m subwoofer cable from the mounting location of the subwoofer to the amplifier (fig. E).
- Connect the ISO and subwoofer cable (plug and play) to the amplifier (fig. E)
- Depending on the position of the body battery (if it is under the driver's seat), the amplifier may have to be installed in a different place. (unit dimensions 44 x 185 x 164 mm) An optional mounting location (see fig. F) would be under the cover in the footwell on the passenger side.

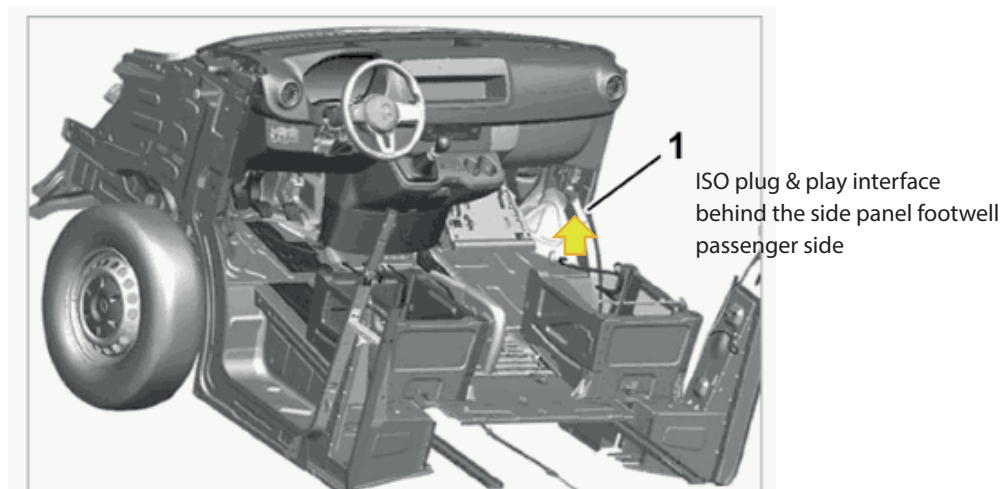
This must also be taken into account when laying the cables!

7.1. radio connection to Mercedes original plug (code E3D)

Connect original Mercedes plug to Iso wiring harness, only for vehicle incl. factory DSP interface E3D



The Mercedes ISO interface is located in the factory behind the trim on the passenger side - footwell. There the ISO cable for the amplifier can be adapted plug & play.



Note for Hymer models:

The Hymer DSP box is located under the passenger seat at the factory, the power supply for the TV is fed from this (connection 4-pin Molex plug with 3 blue wires). Therefore, the amplifier must still be operated for the power supply, alternatively the adapter cable / power bridge is available (Art. No. 68491)

The ISO cable as well as the jack cable can be reconnected from the previous DSP amplifier, so that only the power supply via the DSP is still guaranteed. Alternatively, a new power supply for the TV must be installed, or the above power bridge must be installed.

7.2. radio connection for models without E3D

- Connect ISO cable to the connected radio connection cable (11080) (see point 1).

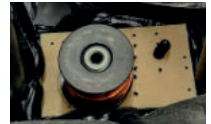
8. woofer mounting in the side panel

8.1 Optional recommendation: Insulation of the side paneling

- Line the side cladding with Alubutyl, then glue insulating fleece over the entire surface.

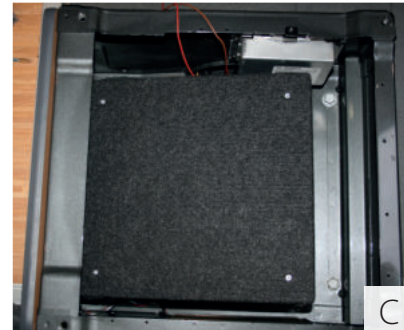
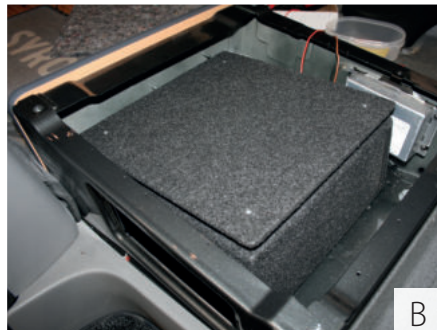
8.2 Preparation of side panel and mounting woofer incl. mounting ring

- Install woofer crossover with collar screw 3.6x16 in the side panel to the outer wall of the vehicle. make sure that it does not cause vibrations or short circuit (by screw).
- Then connect the original woofer cable to the crossover and connect the crossover output to the woofer.
- Position and mount the woofer incl. mounting ring to the factory speaker cutout on the side panel using the supplied screws.
- Place the cover grille on the speaker ring.



Ex. fig. Fiat Ducato (Hymer motorhome)

9. subwoofer mounting (under passenger seat)



- Place the subwoofer housing appropriately in the seat console and leave enough space around the sides, otherwise vibrations and disturbing noises may occur.
- Connect the subwoofer cable (plug and play) to the connection terminal of the subwoofer.
- Fix the cabinet to the floor with the supplied Velcro pads, or with the help of an aluminum bracket (not included in delivery) to the seat console.

10. assembly

10.1. seats

- **Reconnect all plugs on the seats!**
- Reinstall the driver and passenger seats in the vehicle (Important: Connect the plugs!)

10.2 All assemblies

- Laying out Mercedes rubber mat in the footwell
- All dismantled covers in the footwell can be mounted again
- Refit the glove box and side covers
- Screw or install other disassemblies again


10.3. radio



Radio settings:

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

- Reinstall the radio in the head unit and tighten the screws, then reinstall the radio's cover panel.

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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 caused by improper use or installation, wear and tear or 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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