

## 3-way front system Mercedes Sprinter (69731, 69732 / 69781, 69782) incl. subwoofer and amplifier, optional living room boxes

( for vehicles with and without front roller blind (with cover flaps on the dashboard) )

Model/year of manufacture:  
Sprinter VS30 from 2018 (Type W907 / W910)



### Packing list:

1x mid-high module (left & right) Mercedes Sprinter, covered  
2x acoustic cloth cover for midrange/tweeter module  
2x »XE26« neodymium softdome tweeter Ø 26mm  
2x »XE55« Midrange Ø 55mm incl. Remis  
    »X80« Midrange Ø 80mm without Remis  
2x »XM165« low-midrange driver „Power-Woofer“ Ø 165mm  
    with mounting ring with M4x16 premounted on woofer  
2x mid-high crossover incl. cable assembly (Art.-No.: 65780FW-MHT)  
1x mounting set - Mercedes Sprinter Art.-no.: 65780/65730  
1x cable crossover for center crossover speaker jacketed  
1x mounting template for 65780 or 65730  
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

### with sound package 2 (69732/ 69782):

2x living room boxes of your choice incl. installation set  
and installation instructions

### Mounting set art. no. 65730 incl. Remis:

2x countersunk screw M4 x 12  
4x countersunk screw M4 x 20  
4x countersunk screw M4 x 40  
2x countersunk screw M4 x 30  
12x self-locking nut M4  
12x washer 4,3 x 12

### Mounting kit for MDF subwoofer

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

### Mounting set art. no. 65780 without remis:

4x spax screw 3.5 x 25mm  
2x spax screw 3.5 x 40mm  
6x M4 nut  
6x washer Ø4mm

### Mounting kit for door subwoofer

2x M6 x 30 hexagon  
2x 8,4 x 24mm washer



incl. blackout blind



without blackout blind



watch how to install the center  
crossover on youtube:



### Benötigtes Werkzeug

Hole saw 70mm (alternative: jigsaw)  
Hole saw 48mm (alternative: jigsaw)  
Phillips screwdriver  
Torx screwdriver (TX 20/25/30)  
Cutter knife (sharp!)  
Hot glue gun  
Hot air dryer  
Plastic wedge

insulating tape  
white marker  
wire stripper  
crimping pliers  
side cutting pliers

### Optional accessories:

- plug & play adapter f. orig. Mercedes radio without E3D interface
- Remote control to control the subwoofer and to control the sound setup
- Bluetooth function /AUX integrated in the amplifier
- rocker switch
- Insulation package: 3x Alubutyl, 2x insulation fleece

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.

## 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 2.5mm<sup>2</sup> (for standard variant)/ 10mm<sup>2</sup> (for high power variant) and a fuse protection of the amplifier with 20A/30A.



### Radio settings:

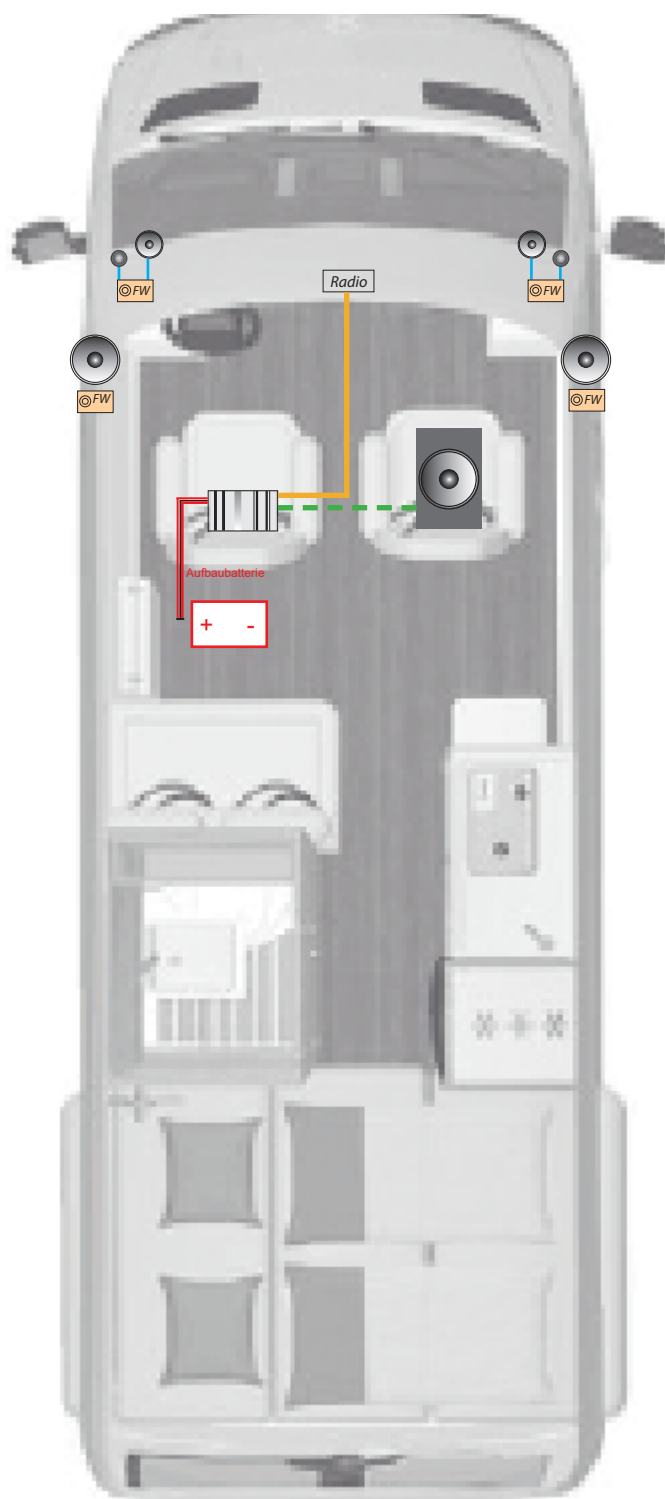


To achieve the best sound, all settings on the radio (bass, treble, loudness, equalizing, etc.) should be set to ZERO or OFF.

### 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« »XE 55«

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

### Woofer »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**

2.5mm<sup>2</sup> / 20A fuse (standard variant).

10mm<sup>2</sup> / 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 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. D)
- Disconnect the connector from the radio ● (see fig. E)
- Route the iso connection cable starting from the radio shaft to the power amplifier mounting location.  
(see description of power amplifier)
- Connect the radio connection cable (11080) to the original radio connector. Connect the opposite side to the radio.

## 2. general disassembly

### 2.1. seats

- **Disconnect all plugs from the seats! (Please switch off vehicle ignition and remove key).**
- Remove driver and passenger seat from the vehicle 4 screws per seat (Important: disconnect plug!)



### 2.2. door panels



- Remove screws 1-6 ● (see fig. A)
- Lever out and remove the cover (see fig. B) with a plastic wedge
- Lever out the door trim starting from the side and working upwards ● paying attention to the trim clips
- Disconnect the factory woofers and remove them from the door panel (see fig. B)

### 2.3. rubber mat in the footwell

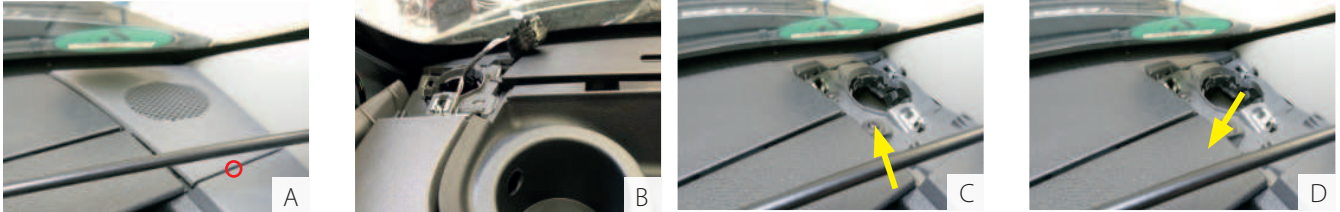


- Remove screws and plastic sill trims ● (driver and passenger side) (see fig. C).
- Remove the cover in the footwell (on-board tool) ● under the glove compartment (see fig.D)
- Remove other covers in the footwell to be able to remove the Mercedes rubber floor mat
- Remove plastic trim ● under center console (see fig. D)



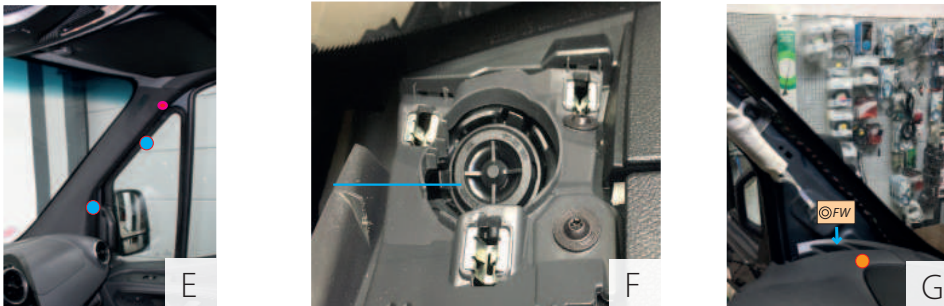
## 3. mounting of the mid-high modules in the A-pillar

### 3.1 Disassembling the factory tweeters



- Remove original tweeter cover with a plastic wedge from the front. (see fig. A) ○
- Remove Mercedes tweeter, disconnect original connection cable and lead it under the dashboard to the A-pillar. (see fig. B)
- Loosen screw from cover (see fig. C)
- Unclip cover -> loosen starting from outside (see fig. D)

### 3.2 Dismantle the A-pillar panels, prepare the mid-high crossover, plug it in and mount it.



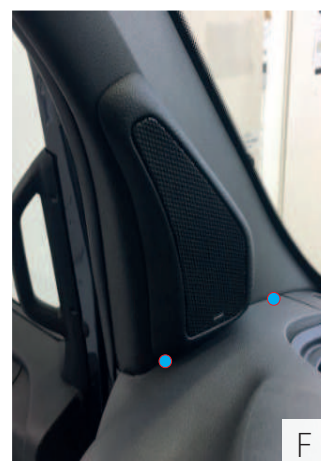
- Remove screw cover ● from top of A-pillar trim and disassemble screws. (see fig. E)
- Dismantle A-pillar trim ● starting at points with plastic wedge, (detach from body). (see fig. E)
- Connect MHT crossover input with original Mercedes tweeter plug. Disconnect midrange (fig. F) and tweeter output cables from crossover between dashboard and A-pillar for later connection of tweeters and midrange drivers in case of A pillar trim installation (see fig. G) ●

## 4. mounting of the mid-high modules with blackout blinds incl. crossovers

### 4.1. preparation and mounting of the mid-high modules to the A-pillar panels

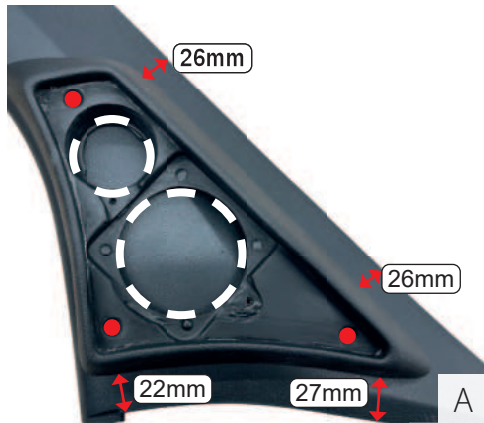


- Place the enclosed template exactly on the lower edge of the A-pillar trim (see picture A), mark the cut-out with a white Edding and then cut out with a fine (multi) cutter.
- Place the -molded part on the cutout and secure exact fit (see picture B), insert the lateral protrusions into the roller blind gap ● as well as to the inner trim edge flush ● and flush with the inner edge of the trim and mount the molded part to the A-pillar trim using the screws supplied and secure it from behind with the enclosed sheet metal nuts.
- Carefully press the loudspeaker cover grille into the molded part and secure it flush against the leather edge. (see Fig. C)

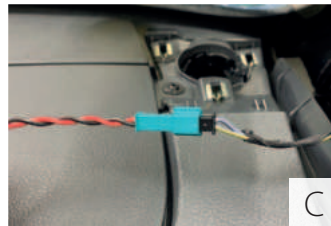
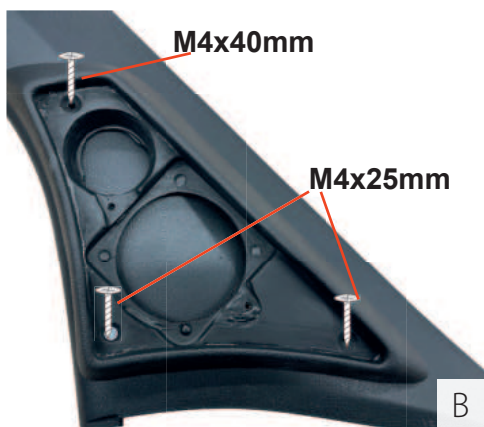


- Connect the tweeter and midrange output cables of the crossovers with the connection cables of the tweeters and midrange drivers.
- Then wrap the crossovers in damping material, thus securing the circuit board against short-circuit and insert it laterally ● between the A-pillars and the dashboard. (see fig. D,E)
- Secure the crossovers with cable ties on the sides (e.g. on original cable harnesses) to prevent them from falling down.
- Then insert A pillar trim into the specified recess ● on the side of the dashboard (see fig. F), guide with light pressure to the body and press the plastic clips exactly into the given body holes. (ensure correct hold)

## 5. mounting of the mid-high modules without blackout blinds incl. crossovers on the A-pillar panels



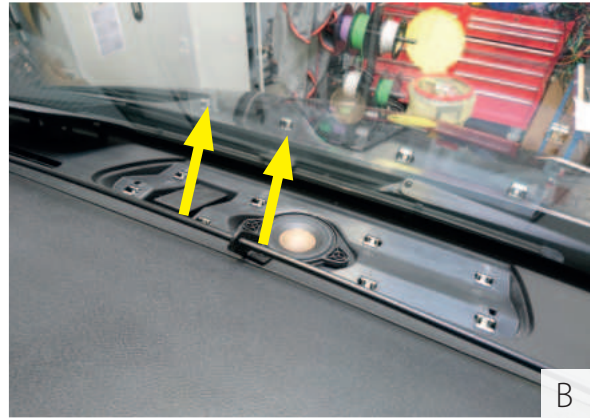
- Place the moulded part on the A-pillar trim with the specified spacing. (see Fig. A)
- Mark the screw holes and speaker openings
- Pre-drill the holes with a 5mm drill bit and cut out the holes for the speakers with a multitool or Dremel.



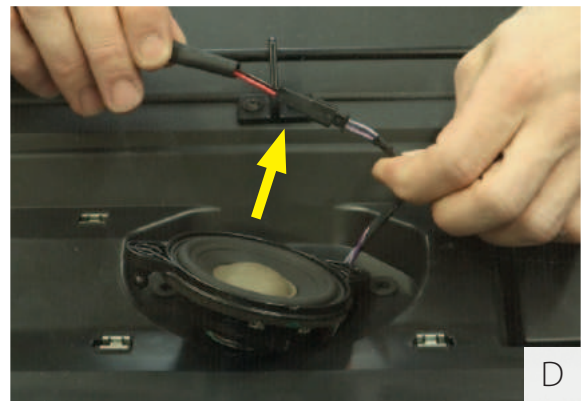
- Place the moulded part on the A-pillar trim. ATTENTION: Moulded part must fit tightly all round!
- Fit the moulded part to the A-pillar trim using the screws provided. (See Fig. B)  
CAUTION: Do not overtighten, otherwise the plastic of the A-pillar will warp! Secure nuts with hot glue or similar!
- Plug the loudspeaker connection into the original loudspeaker plug. (Fig. C)
- Fit the mid-range loudspeakers with the pre-assembled screws.
- Fit the A-pillar in its original position.
- Carefully press the acoustic fabric cover into the moulded part. (Fig. D)



## 6. Attenuation of the center speaker in the dashboard

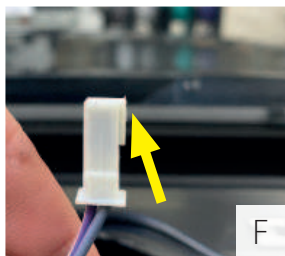
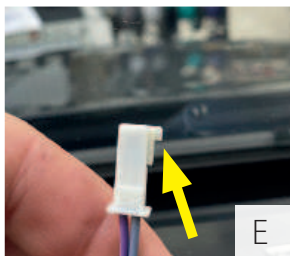


- Dismantle original cover (see fig. A)
- Lever out loudspeaker (see Fig. B)

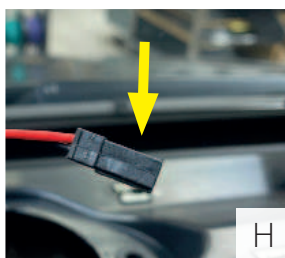
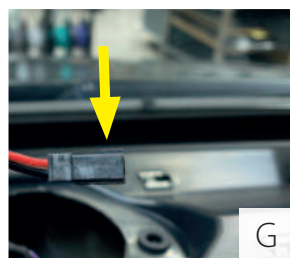


- Disconnect the purple-white marked cable, insert the cable switch (Fig. C) and reconnect the loudspeaker (see Fig. D).
- Finally, reinsert the loudspeaker and clip in the cover.

**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).

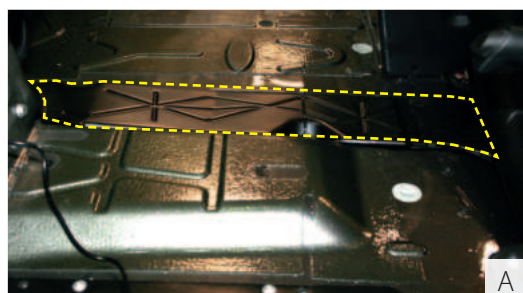
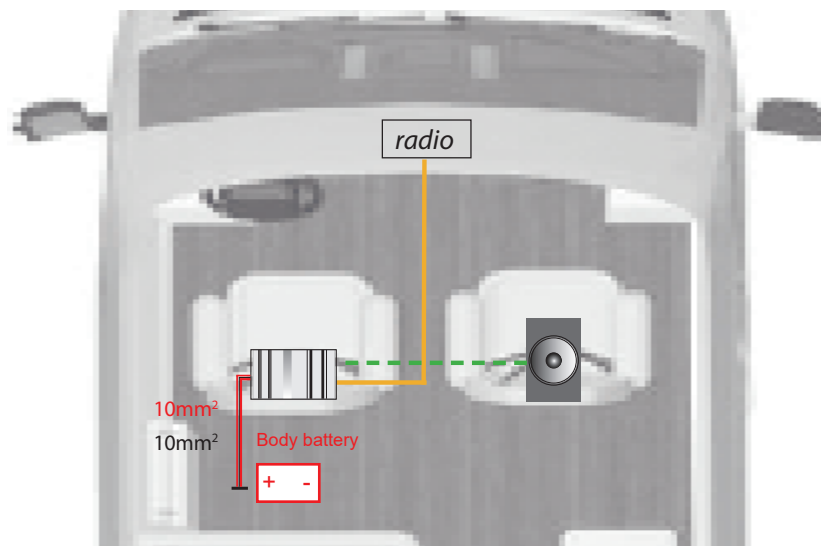


- Repeat this for the connector of the Jehnert Center crossover (Fig. G/H) so that the connection fits between the crossover and the factory connection cable.

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

## 7. amplifier mounting (optional: subwoofer controller mounting)

(alternatively mounting amplifier under passenger seat)



- 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)



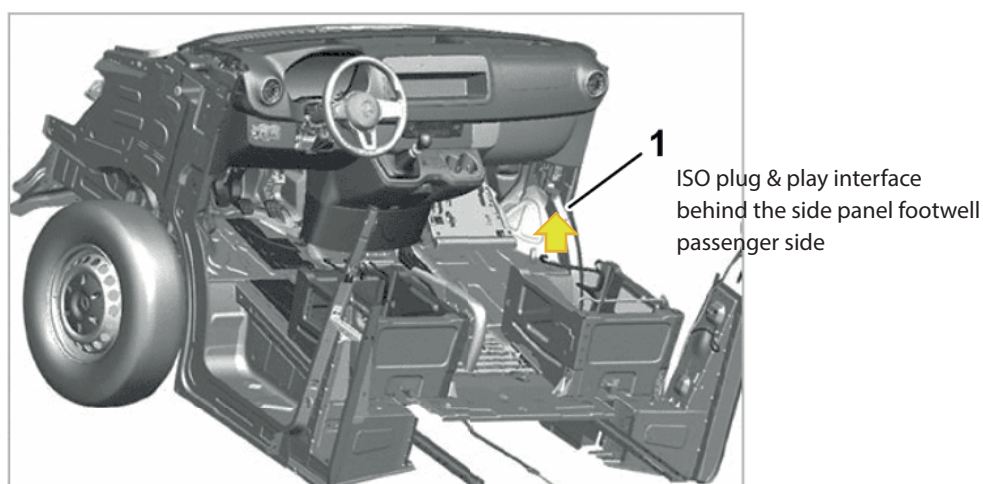
- Optional: Lay the cable for the URC remote control (controller for controlling the subwoofer) from the center console (radio) through the shaft to the mounting location of the amplifier. the shaft to the mounting location of the amplifier (mounting location example for the URC see Fig. D) positioning freely selectable.
- Lay the 4.8m subwoofer cable from the subwoofer mounting location 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. be installed. (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. footwell on the passenger side.  
This must also be taken into account when laying the cables!

## 8.1. 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.

## 8.2. radio connection for models without E3D

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

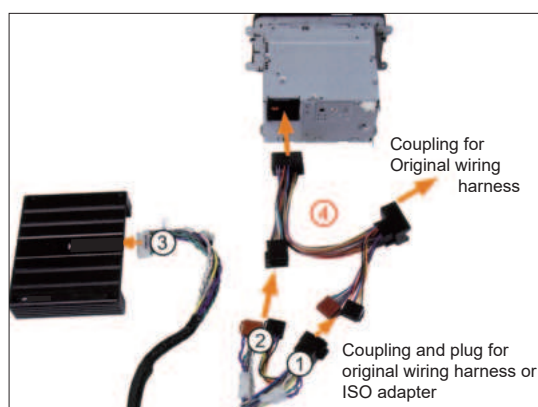


## 9. connect radio

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 2.5mm<sup>2</sup> and a fuse rating of 20A.

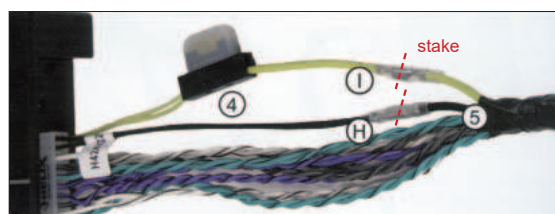
### Amplifier connection »Standard amplifier«:

#### 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.

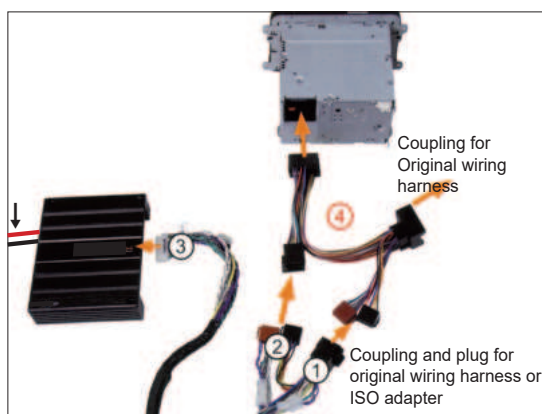
#### 2. connection for direct power supply from the battery.



- 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«:

#### 1. Connection to the car radio



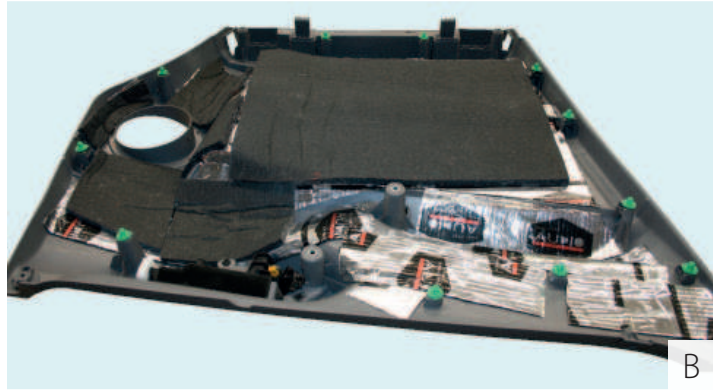
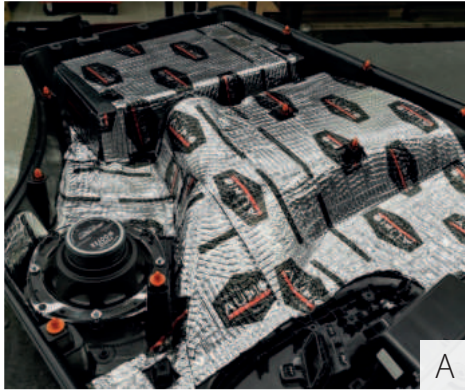
- ISO coupler - the wiring harness of the original radio or an ISO adapter is plugged in here.
- ISO plug - these are plugged into the original radio or ISO adapter.
- This 20-pin connector is plugged into the amplifier.
- **Optional:** ISO adapter - if the ISO plugs of the supplied wiring harness do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

The power connection is made directly to the battery using a 10mm<sup>2</sup> cable - the positive wire must be fused just before the battery (30A).



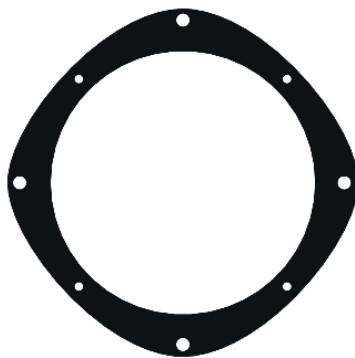
## 10. woofer mounting in the vehicle doors

### 10.1 Recommendation: Insulation of the door lining



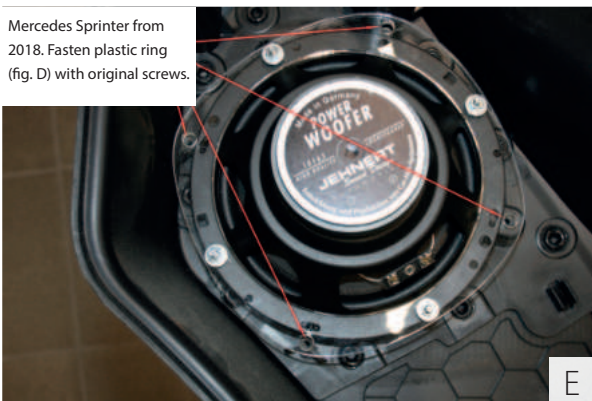
- Line the door panels from behind with Alubutyl. see (Fig. A),  
then glue insulating fleece over the entire surface. see (Fig.B)

### 10.2. preparation of door panels and mounting woofer incl. mounting ring



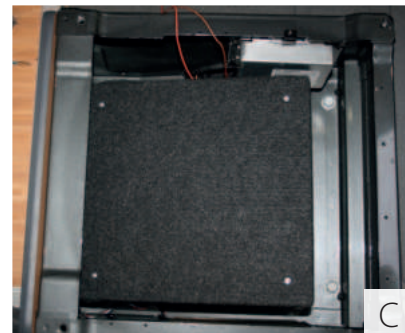
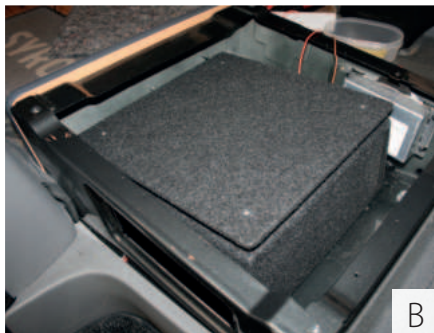
- Remove original radius ● (see Fig. C) flush with plastic ring using a multitool or similar.
- Position and mount the woofer incl. mounting ring with the factory screws at the factory speaker cutout on the door panel.  
and mount it. see (Fig. E)

Mercedes Sprinter from  
2018. Fasten plastic ring  
(fig. D) with original screws.



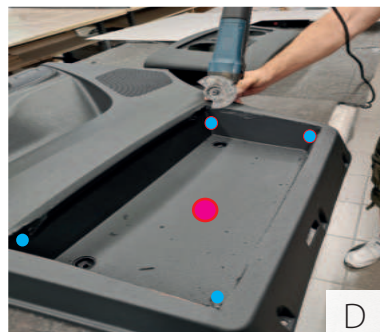
- Install (glue) the woofer crossover on the back of the door panel, make sure that it does not generate vibrations (see fig. F)
- Then connect the crossover output to the woofer, place the door panel on the car body, connect the original woofer  
connect the original woofer cable to the crossover and mount the panel to the door body. (Attach all screws).

## 11. 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.

### 11.1 Subwoofer mounting on the driver's door (Space saving)



- Cut out the side compartment of the driver's side door trim with a fine cutter (multi-cutter) parallel (flush) to the inner edges. The storage compartment must no longer have an edge after processing. ● (see Fig. C)
- Drill a hole in the side of the door panel to allow the subwoofer cable to pass through the panel.
- Dismantle the loudspeaker from the subwoofer housing to ensure the connection cable and proper installation.
- Insert subwoofer housing and check for air circulation (subwoofer housing should fit into the compartment without pressure).
- Cover the contact surface of the door panel with Sikaflex or similar and insert the subwoofer housing. ● (see fig. C)
- When installing the door panel, insert the supplied metric screws (M6x30mm hex incl washers 8.4x24mm) through the subwoofer housing, pull the door panel with the subwoofer all the way to the body and fasten.
- Connect the subwoofer chassis (speaker 130mm), guide it into the cabinet and fix it with the appropriate screws 3.9x16 with collar. Then press on the cover panel with fabric cover and press on the Velcro connectors hand-tight. ● (see fig. F)

## 12. assembly

### 12.1. seats

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



### 12.2 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

### 12.3. 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.**

**Mercedes Sprinter** Type W907/W910  
from 2018, Soundpackage 1 and 2

**Assembly instruction**  
Status: 18.03.2024  
**Art.-No. 69731, 69732 / 69781, 69782**

**JEHNERT**  
*Sound Design*  
A U T O M O T I V E

## 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:

### JEHNERT SOUND DESIGN

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