

## 3-way sound system Mercedes Sprinter sound package 1 and 2 (69741 / 69742) incl. subwoofer and amplifier, living room boxes

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

For vehicles with/without front rollo , only for vehicles without cover flaps on the dashboard/storage compartment



### Packing list:

- 1x mid-high module incl. acoustic fabric cover (left & right), covered
- 2x »XE26« neodymium softdome tweeter Ø 26mm
- 2x »XE80« midrange driver Ø 80mm
- 2x »XM165« low-midrange driver „Power-Woofer“ Ø 165mm
- 2x mounting ring for »XM165« with M4x16 premounted on woofer
- 2x mid-high crossover incl. cable assembly (Art.-No.: 7000 FW)
- 1x mounting set - Mercedes Sprinter (Art.-No.: 65740)
- 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
- 12x Velcro dots 2,5x2,5

### for sound package 2 (69742):

- 2x living room boxes of your choice incl. assembly set and

### Mounting set art. no. 65741:

Other:

- 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 kit for MDF subwoofer

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

### Mounting kit for door subwoofer

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

### Required tools

- 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 for orig. Mercedes radio f. models 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

Watch how to install the center crossover on youtube:



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:

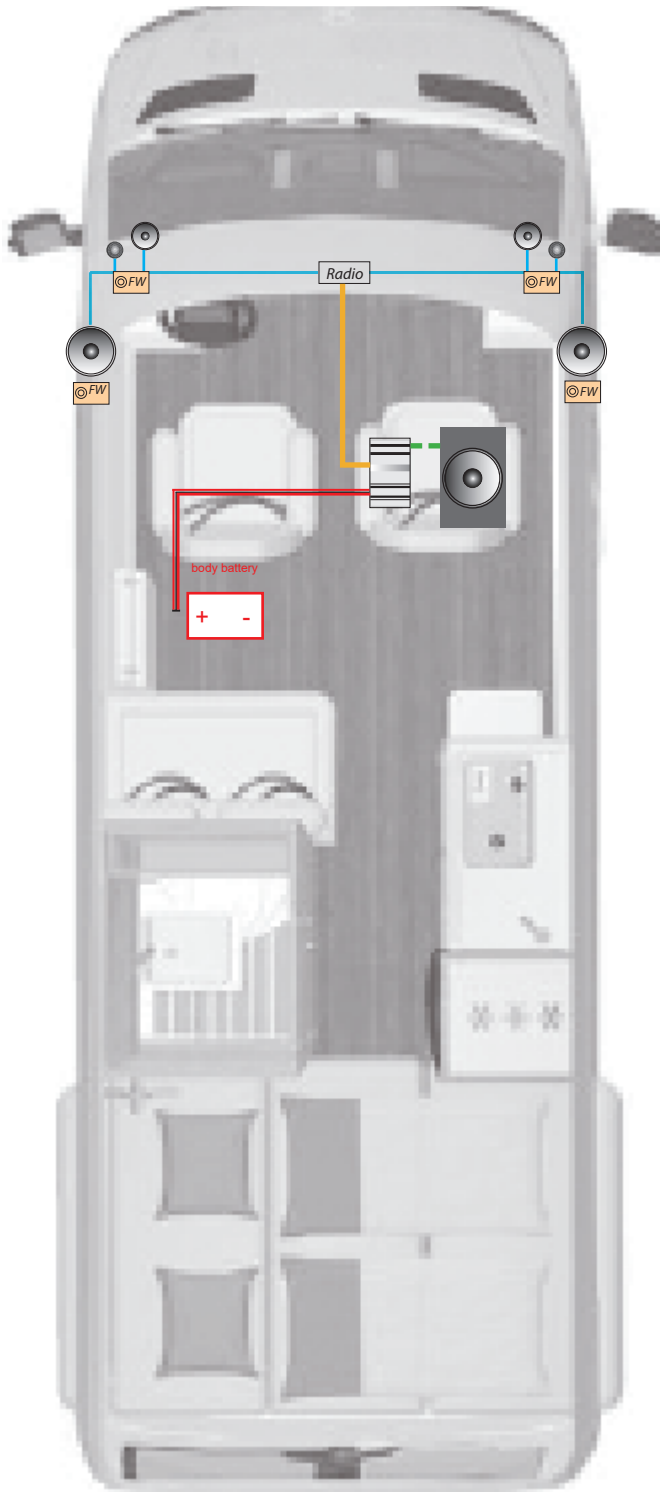


To achieve the best sound, all settings on the radio (bass, treble, loudness, equalizing, etc.) should be set to ZERO or OFF.

### 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«

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

### Woofer »XE130G«

Mounting in the vehicle side panels.

### Crossovers

MHT crossover vehicle specific pre-mounted in the mid-high module

### **Subwoofer**

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

E.g. housing for mounting on the driver's door. incl 4.8m „plug & play“ subwoofer cable.

### **Amplifier / Radio**

5-channel digital sound processor/amplifier.

### **Power cable 12V+**

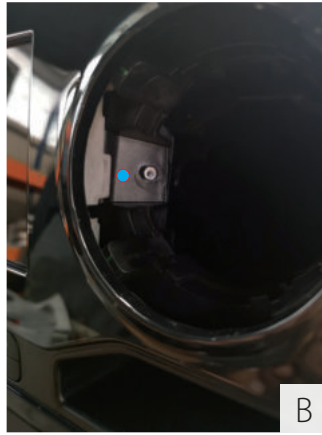
#### **Ground cable**

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-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. A)
- 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. B).
- Connect the radio connection cable (11080) with the original radio plug. Connect the opposite side to the radio.

## 2. general dismantling

### 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 the cover (see fig. B) with a plastic wedge and remove it.
- 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 the screws and the plastic sill trims ● (driver and passenger side) (see fig. A)
- Remove the cover in the footwell (on-board tool kit) ● under the glove compartment (see fig. B)
- Remove other covers in the footwell to be able to remove the Mercedes rubber floor mat
- Remove the plastic trim ● under the center console (see fig. B)

### 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 (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 Fig. E & F).

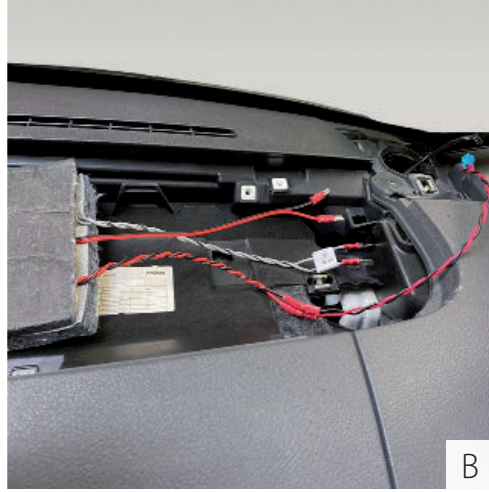


- Dismantle cupholder/storage compartment -> use wedge and loosen part starting from outside (see Fig. G)

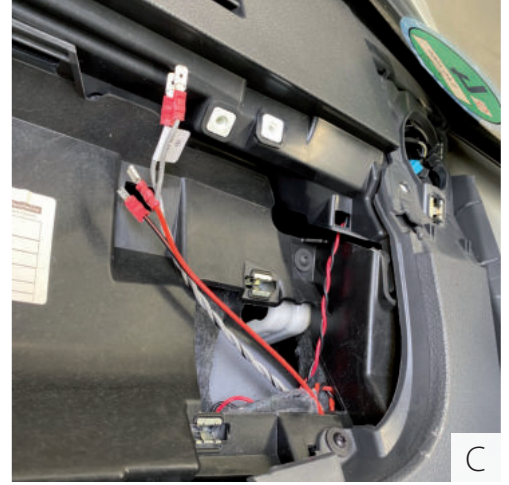
## 3.2 Assembly of the crossovers



A

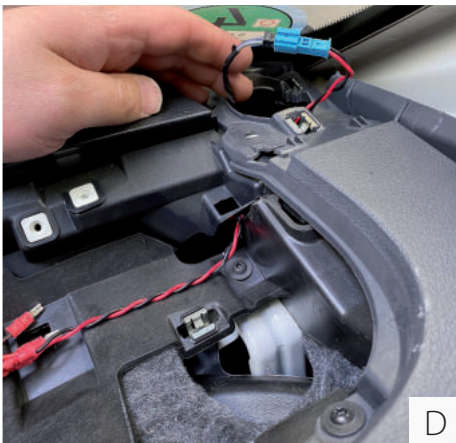


B



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)

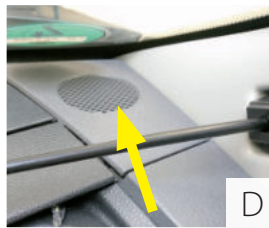


E

### 3.3 Mounting 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)

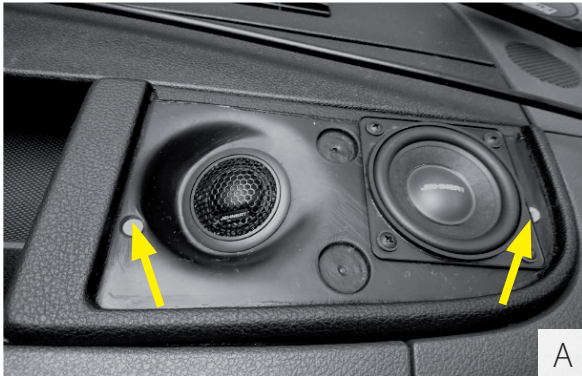


- Clip the tweeter cover strips back in place and tighten the screw on the outside (see Fig. C).
- Mount original HT cover (see Fig. D)

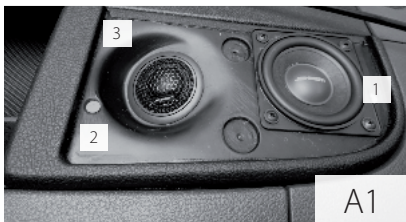


- Place the mid-high module on the discard tray and connect the tweeter and mid-range driver so that they are short-circuit-proof (see Fig. E and F).

### 3.4. mounting of the midrange/tweeter modules in the dashboard



- Screw MHT module tight (see fig. A) ->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



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- 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)

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

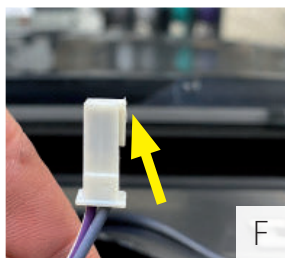
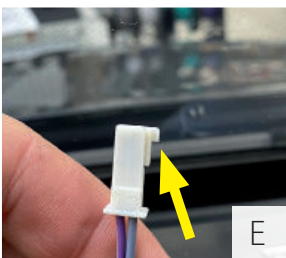


- Lever out original cover (see fig. A)
- Dismantel loudspeaker (see Fig. B)

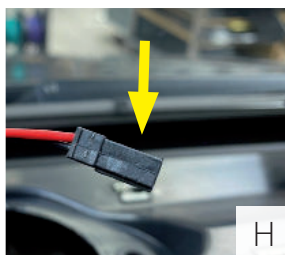
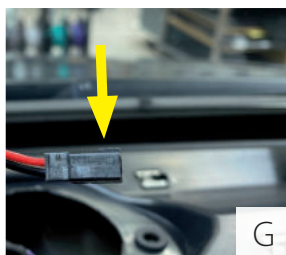


- Disconnect the purple-white marked cable, insert the cable switch (Fig. C) and reconnect the loudspeaker (see Fig. D).
- finally reinsert loudspeaker and clip in cover

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



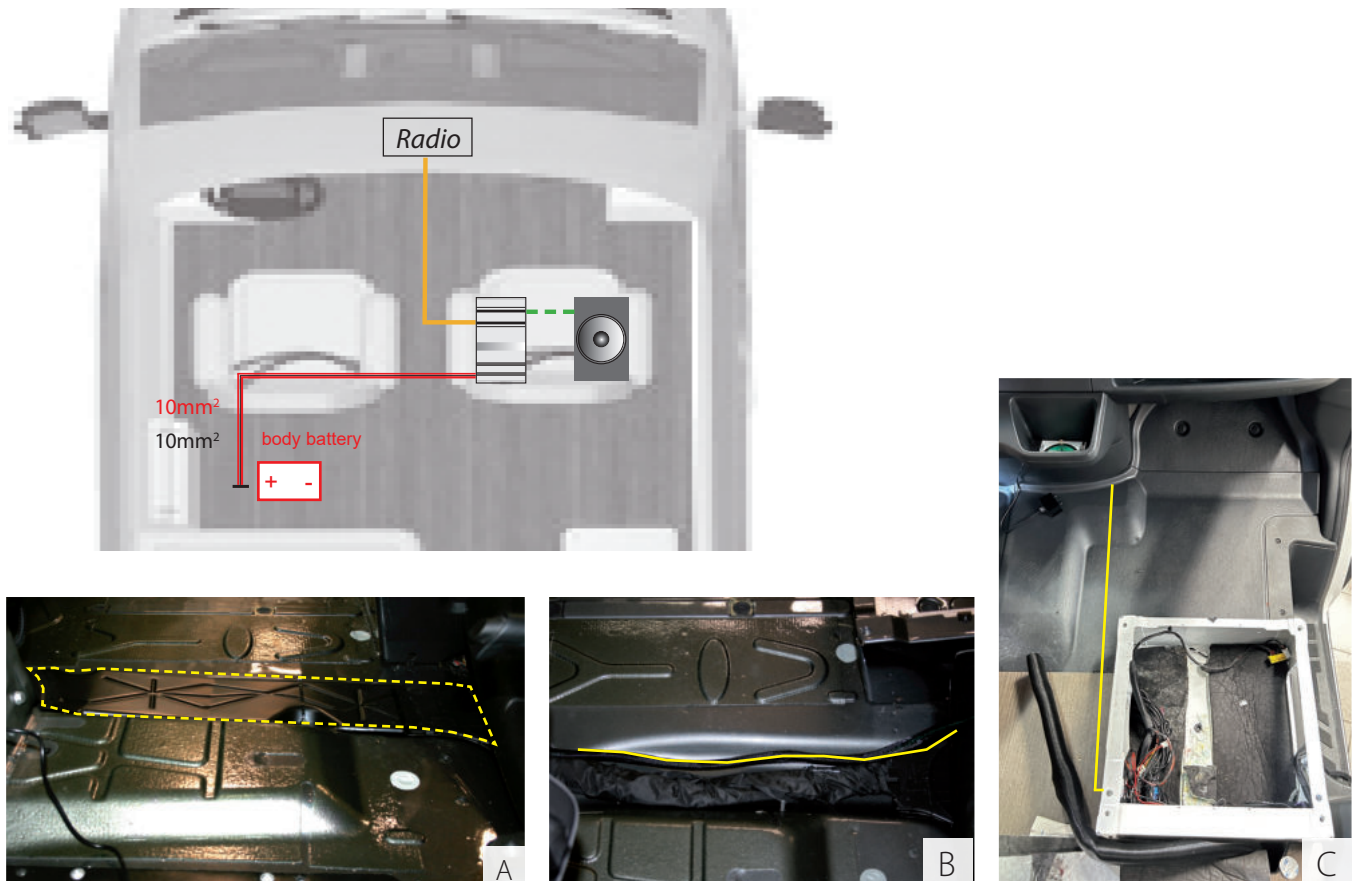
- If the factory speaker connector has a pin on the end of the plug (see Fig. E), carefully separate it with a knife (see Fig. F).



- 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.

## 5. 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).

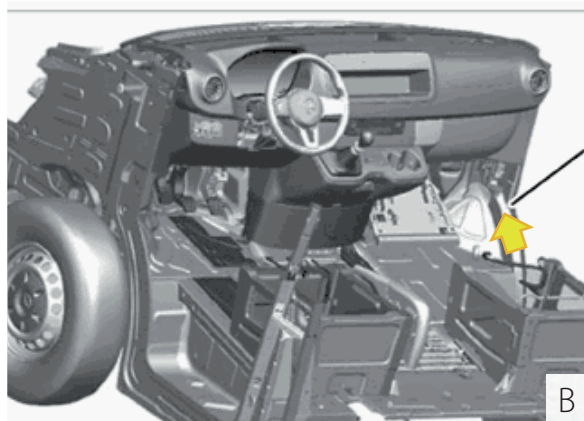


- Optional: Lay the cable for the URC remote control (controller for controlling the subwoofer) from the center console (radio) through the shaft to the mounting location of the amplifier, (mounting location example for the URC see fig. D) positioning freely selectable.
- Lay the 3.3m subwoofer cable 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!**

## 6.1. radio connection to Mercedes original plug (code E3D)

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



ISO plug & play interface  
'behind the side panel footwell  
passenger side

The Mercedes ISO interface is located in the factory behind the trim on the passenger side - footwell. (see fig A/B)  
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.

## 6.2. radio connection for models without E3D

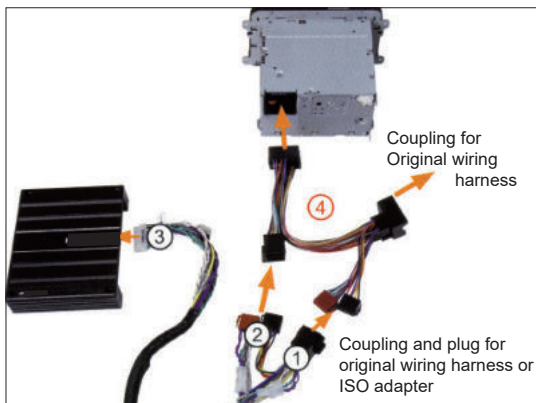
- Connect ISO cable to the connected radio connection cable (11080) ( see point 6.1).

## 7. 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.

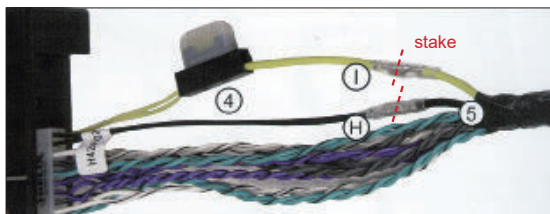
### Amplifier connection »Standard amplifier«:

#### 7.1. 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.

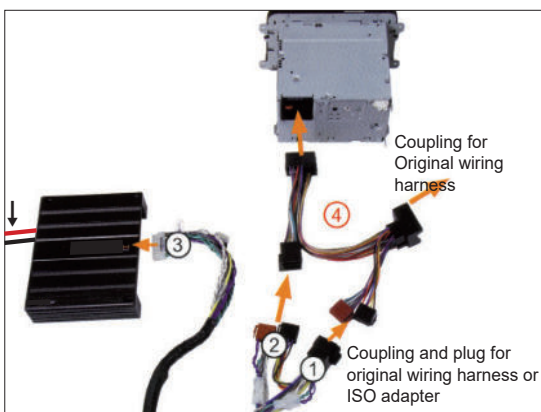
#### 7.2. connection for direct power supply from the battery.



- 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«:

#### 7.1. 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).

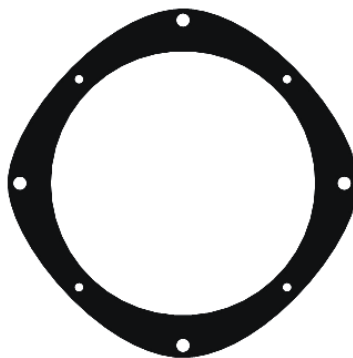
## 8. woofer mounting in the vehicle doors

### 8.1 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)

### 8.2 Preparation of door panels and mounting woofer incl. mounting ring



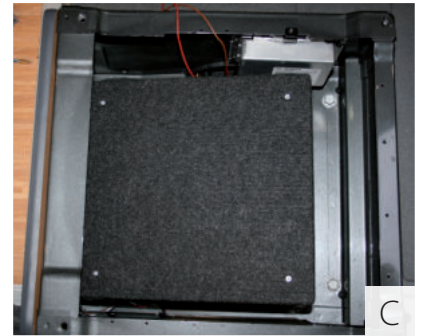
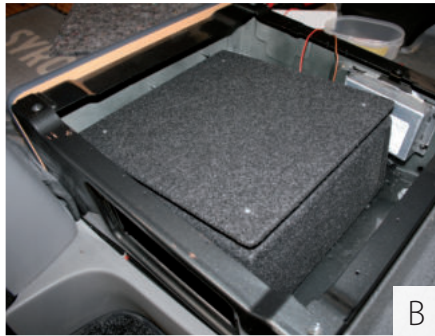
- Remove the original radius (see Fig.C) flush with the plastic ring using a multitool or similar.
- Position and mount the woofer incl. mounting ring with the factory screws at the factory speaker cutout on the door panel, see (Fig.E).

Mercedes from 2018  
Fix plastic ring (fig. D) with original  
screws- Mount woofer crossover  
on the door.



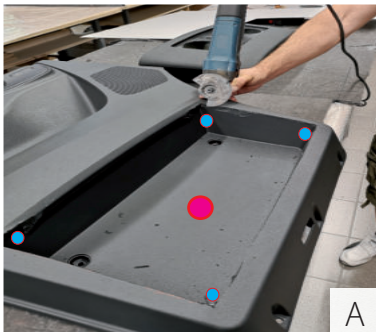
- Attach the woofer crossover on the back of the door panel (with glue), making sure that it does not generate vibrations. (see fig. E)
- Connect the crossover output to the woofer, place the door panel on the body, connect the original woofer cable to the crossover and mount the panel on the door body. (Attache all screws)

## 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.

### 9. 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.A)
- 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. A)
- 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. with collar. Then press on the cover panel with fabric cover and press on the Velcro connectors hand-tight. ● (see fig. C)

## 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.**

#### **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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