

**Ford Transit Custom**  
suitable for all Ford Transit /  
Tourneo „Custom“ models  
**2-way soundpackage 1 and 2**

## Installation instructions

Status: 17.05.2022

**Art. No. 66920/ 66922**

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

## 2-way sound system, Ford Transit /Tourneo Custom 66920 / 66922



### Packing list:

2x „XE26“ neodymium softdome tweeter Ø 26mm  
2x „XM165“ low-midrange „Power-Woofer“ Ø 165mm with mounting ring  
2x mid-tweeter crossover incl. cable assembly  
1x mounting template  
1x mounting kit - Ford Transit /Tourneo Custom

### Mounting set art. no. 66920 / 66922:

2x self-tapping screw flat round head black 3.9x13 for crossover  
8x 3.9 x13 pan-head screw for woofer

### Mounting kit for MDF subwoofer

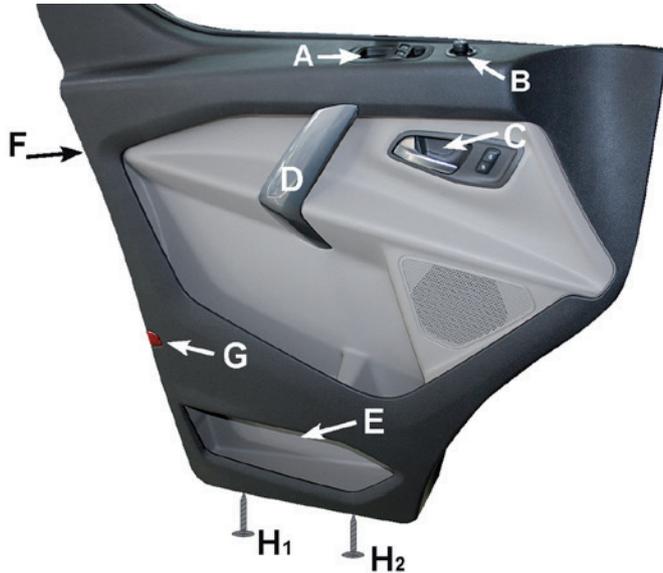
4x Velcro disc round  
4x self-adhesive velcro pads  
4x pan-head screw 3,5x13mm



Setting note: To achieve the best sound image, all settings on the radio (bass, treble, loudness, etc.) should be set to zero or neutral.

## 1. disassembly door panel

### 1.1. lower the window pane completely



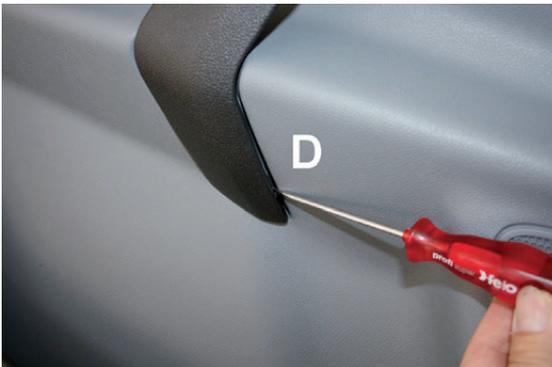
Carefully unclip the switch unit for the window regulator (A). Unscrew the screws underneath



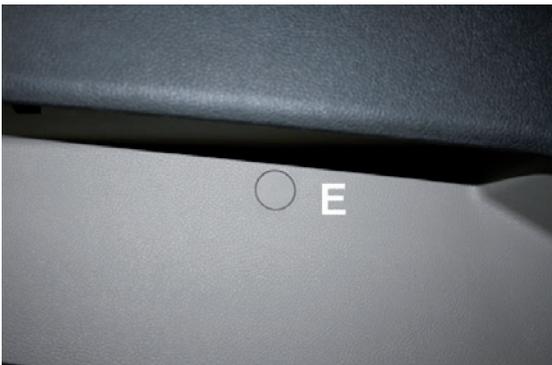
1.3 Push the rear-view mirror adjustment switch (B) (driver's side) out of the grid and disconnect the cable connections.



1.4. Unscrew the cross-head screw behind the unlocking lever (C).



1.5. Carefully lever off the door handle cover (D) and unscrew the 2 screws below.



1.6. Lever off covers (E) + (F) and remove screws underneath.

1.7 Carefully lever out the door sill light (G) and remove the screw underneath.

1.8 Remove screws (H1 + H2) at the lower edge of the door trim.

1.9. lift out top of door trim and simultaneously pull off horizontally from inner door panel.

2.0. unhook door release bowden cable.

2.1. disconnect switch for power window and entry light.

## 2.2. woofer mounting original installation location in the vehicle door

The factory woofer in the vehicle door is replaced in each case by a JEHNERT-165mm power woofer:



2.3 Disconnect the original loudspeaker connector and remove the factory loudspeaker (without adapter frame).  
Note: The original speaker connection is used for the „Input“ crossover adaptation.

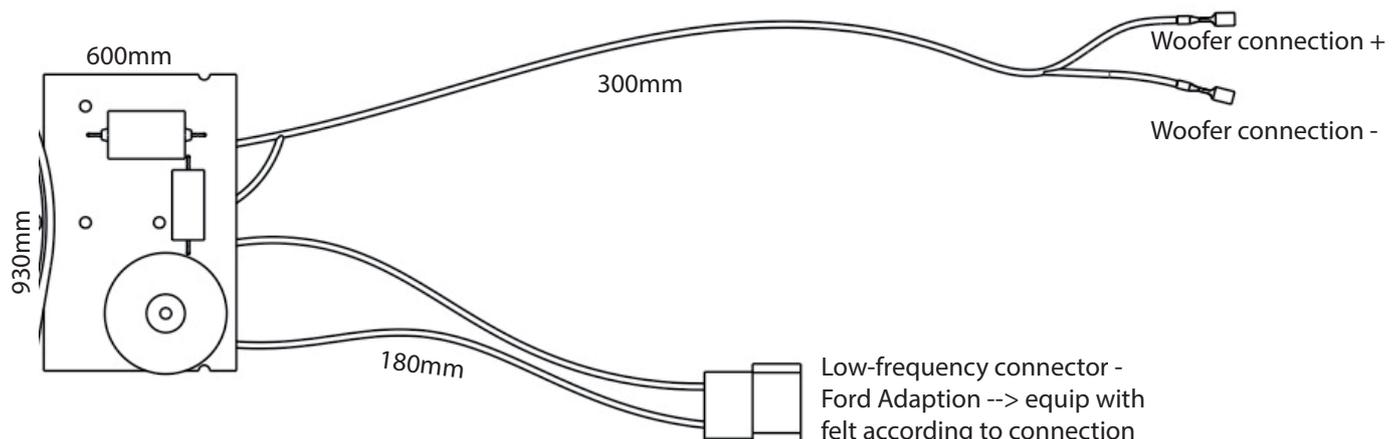
2.4 Drill a hole (approx. 7mm, see yellow arrow) in the plastic cover behind the crossover for the speaker connection (cable routing from crossover to speaker).

2.5 Mount the JEHNERT crossover as shown in the illustration: Lead the speaker cable through the pre-drilled hole in the plastic to the speaker. Screw the crossover to the plastic with the supplied screw (flat round head 3.9x13) (through the existing hole in the crossover).

2.6. mount JEHNERT woofer adapter ring with the 3 factory screws. Equip the speaker cable with 15cm foam tube, connect the woofer and mount it with 4 screws (lens head 3.9x13).

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

2.7. connect factory speaker cable with crossover input and wrap plug with piece of felt 5x12cm.

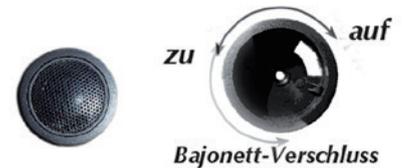


### 3. tweeter mounting: A-pillar

Dismantle the A-pillar trim. 3.2.

3.2 Remove the factory tweeter and disconnect the connection cable.

3.3 Remove the Jehnert tweeter from the mounting bracket:  
--- > Bayonet catch: turn to the right and press out of the holder.



3.4. A-pillar trim front: Position mounting bracket at original speaker cutout.  
Mark outline of mounting bracket rear „Ø 48mm“ and use a Dremel to carefully adjust cutout to fit within marking line

**Check: Must be exactly flat on the front side of the A-pillar and the JEHNERT-signet on the tweeter must be exactly horizontal --> take into account the rotation of the bayonet catch!**

3.5 Insert the JEHNERT tweeter into the grooves on the edge of the mounting bracket, while passing the tweeter cable through the cable gland in the mounting bracket. Fasten the tweeter in the mounting bracket by turning it slightly to the left (bayonet lock).

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

3.6 A-pillar front side: Adjust tweeter incl. mounting bracket exactly as described above („Check“).

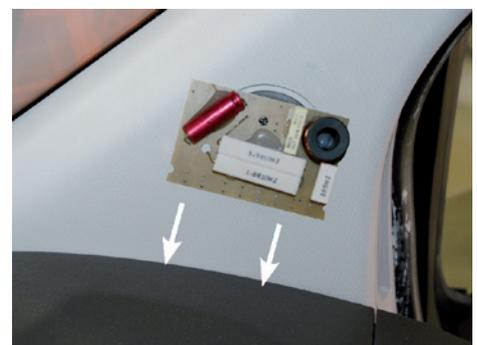
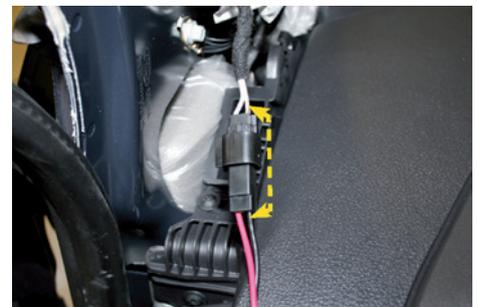
3.7. A-pillar rear side: Position the mounting bracket on the rear side of the mounting holder, if necessary fix it with hot glue. Screw in the M4x10 screw and screw the mounting bracket to the mounting holder.

3.8 Adapt the crossover input with the factory tweeter cable.

3.9 Connect the Jehnert tweeter to the crossover.

3.10. Wrap the crossover with the supplied damping fleece, push it into the opening in the dashboard and ensure that it is firmly seated.

3.11. Mount the A-pillar again



When removing the A-pillar trim, it can cause the upper trim mounting clip to break. The Ford part number for this is:

- 5201343 (upper retaining clip)
- 5201342 (lower retaining clip)

If one of these clips should break, it must be replaced to ensure the to ensure the A-pillar trim fixation.

## 6. radio connection scheme

An optimal power supply must be ensured, therefore it is mandatory to provide an appropriate power supply for the amplifier. A 10mm<sup>2</sup> power cable with a fuse rating of 30A is sufficient for this purpose.

### Connection to the car radio - General description



- ▶ This 20-pin connector plugs into the amplifier.
- ▶ Vehicle specific amplifier connection as well as radio connection.

The power connection is made by a cable 10mm<sup>2</sup> directly from the factory power distribution point (not battery) to the amplifier.  
The ground connection is made at the approved / agreed ground connection point (Ford/Sortimo!).



This amplifier is programmed with a Ford-specific sound setup programmed, therefore no further settings are necessary.  
Connection to a PC is not recommended.



#### Radio settings:

In order to achieve an optimum sound image, the following recommendation is sound setting must be observed:

Menu -> Audio Settings -> DSP Equalizer -> Language

## 7. cable laying radio connection

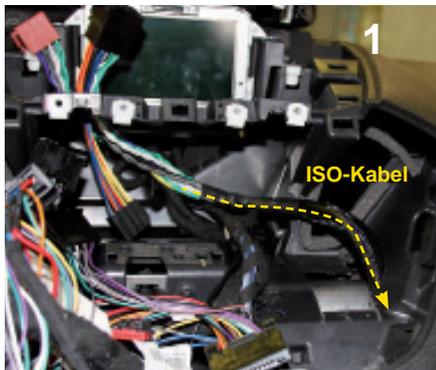


7.1 Dismantle the cover panel of the monitor (unclip, can be levered out easily). Loosen the screw fasteners underneath, unclip the radio mask and remove the radio.

7.2.1. Unhook the glove compartment and fold it down.



7.2 Dismantled radio mask, Ford specific connection cable on the right side of the metal round strut (see picture) lead down.



7.3 Detailed view of cable routing on metal round strut.



7.4 Route the connection cable behind the trim according to the arrow marking, behind the center console. Tape off through opened glove compartment and lead under carpet.



7.5 Lift carpet and guide cable to passenger seat accordingly. Guide through seat console (if floor already laid).

7.6 Connect vehicle-specific connection (see description p.10).

7.7. connecting plugs of the wiring harness must be inserted into the existing cavity behind the radio, so that the mounting space of the radio is available accordingly and the radio can be mounted.

7.8 Reassemble the radio and monitor cover in reverse order.

## 8. amplifier power supply

The power connection is made at the vehicle distribution point, which is protected by a 30A fuse.

**The power supply of the amplifier may only be active (mounted fuse) as soon as the stripped cable is connected to the power connection of the amplifier.**

The ground and power connection point will be tapped by Sortimo according to the specifications of Ford Werke/Sortimo International GmbH permitted power connection points as well as the ground point.

The following explanation serves as an example for connection directly to the body battery.

10mm<sup>2</sup> cable red = +12V, and 10mm<sup>2</sup> cable black = ground from the body battery to the amplifier:

8.1. remove passenger seat: remove 4 screws (Torx 40) at the seat rails and tilt seat backwards (because of the belt).

8.2. remove driver's seat: remove 4 screws (Torx 40) at the seat rails, tilt seat backwards (pay attention to seat sensor cable).

8.3. remove battery cover.

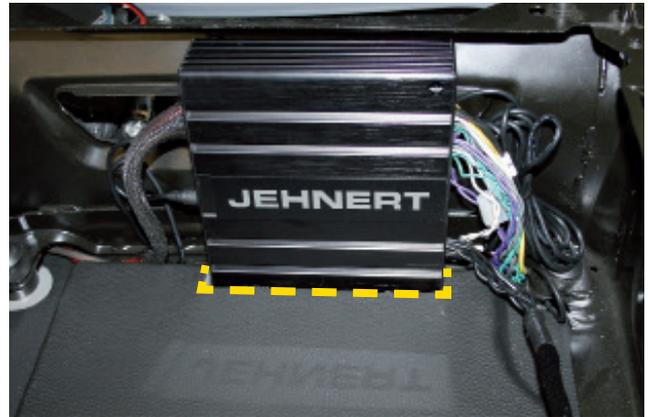


8.4. lead power cables (+ and -) from the battery in the driver's seat, under the floor mat to the seat console (passenger side) and under the console to the amplifier mounting location (see point 9).

## 9. subwoofer and amplifier mounting



9.1 Pass the ISO cable under the seat console.

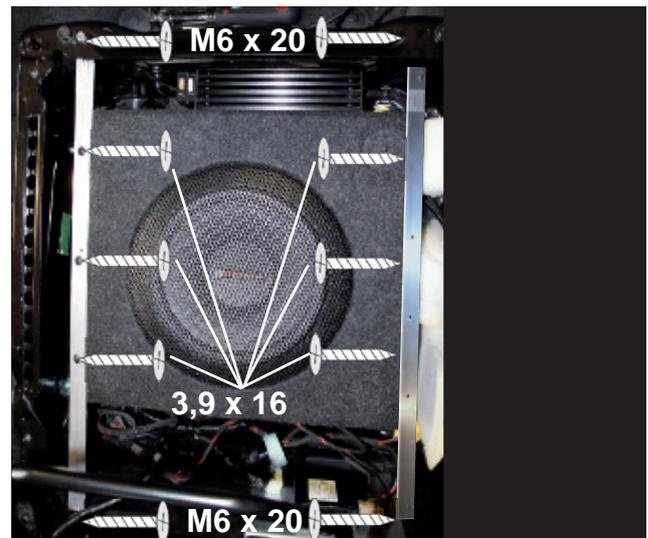


9.2 Cut out the floor mat in the seat console in the area of the cut out the amplifier (with carpet knife/multicutter).



9.3 The mounting brackets must be inserted into the seat console at the place (point 9.4.) before the subwoofer is inserted (without screwing).

The amplifier is delivered assembled to the subwoofer and placed with the subwoofer under the passenger seat in the seat console.



9.4. insert the subwoofer (with mounted amplifier) into the seat console

and fix it with the supplied bracket and 5 screws per bracket:

at the subwoofer: 6x 3.9 x 16 flat round head

at seat console: 4x M6 x 20 hexagon head screw

4x M6 nut (to secure screw)

4x M8 nut (as spacer ring)

4x washer 6.4 x 15 x 1.5 (before M6)

9.5. Connect 8-pin subwoofer cable to subwoofer and amplifier.  
Connect the 20-pin iso cable to the amplifier.

9.6 Reinstall the driver and passenger seats.



Amplifier is delivered mounted on subwoofer

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## Notes:

### Warranty:

As the manufacturer, we provide a 2-year warranty for these sound systems, calculated from the date of purchase from the dealer. Within this warranty period, we will, at our option, repair or replace, free of charge, any defect due to material or manufacturing manufacturing defects. 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 reduce the value or the usability of the sound systems. value or the usability of the sound systems only insignificantly. A warranty obligation is not triggered in the case of damage caused by external 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.

Our team in Pliezhausen will be happy to provide you with advice and assistance at any time:

### JEHNERT Sound Design

»Development and production of car audio systems«

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