



Installation Instructions

Complete Set Active Sound incl. Soundbooster

Mercedes C-Class W205 + AMG-Line

v1.6 (09.02.2018)

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1 Liability Exclusion

Dear Customer

Our cable sets are developed according to the connection- and circuit diagrams of the corresponding car manufacturer. Before the original production the cable sets will be tested on an original car. Therefore, the integration into the car electronics will be executed according to the instructions of the manufacturer. Regarding the necessary pre-understanding and the accuracy of the presentation of texts and pictures our mounting guidelines correspond to the usual ones in car technology and car electronics. Practically, they have been proved one's worth a hundred times.

However, should there be any difficulties during the installation of our products we will be at your disposal any time for support by phone or by mail. Moreover, we offer you to execute the installation at our works in Bad Segeberg.

Costs which may arise because a third person will execute the installation of our products will not be supported by us in any case. Only if there is a mistake caused by our product we will pay the proved costs of the installation as well as the costs of the removal of the defective product. The refund of expenses will be limited to gross EUR 110,- ; we reserve the right to check the described mistake in our works in Bad Segeberg. In case of a proved reclamation the costs for dispatch for the check in our factory will be transferred to you.

According to our experience each specific factory which has the necessary diagnostic device, diagnostic software and the circuit diagrams of the manufacturer can find possible mistakes at our products within a short time. So the installation and removal including diagnostic inspection can be realised in at most 60 minutes.

We also made the experience that many specific factories cannot work with the circuit diagrams of the manufacturer, and that they cannot read usual wiring diagrams. Therefore, very easy installation works will take many hours. You will understand that we neither take the risk to find a reliable specific factory nor the financing of the training of the staff of your favoured factory.

Costs which will arise because you buy missing parts or spare parts at other suppliers will be refunded by us up to the amount of the costs which had been arisen by additional supply (saved expenses). In this case, there would be no right for refund according to the legal guarantee right as long as we have no deadline for supplementary performance or a deadline for supplementary performance has not expired.

So if you have any problems with the installation or operation of one of our products please call us, send us an email, send us the product or take your car to our factory in Bad Segeberg. We are sure to find an appropriate solution for each concern.

With best regards

Your Kufatec GmbH & Co. KG Team

2 Copy Right

Our installation- and removal instructions, installation plans, software and other documentation with texts or pictures are protected by copy right.

A publication or distribution of these documents is only permitted with a written approval of Kufatec GmbH & Co. KG.

3 General notes

Regarding the development there has especially been paid attention to your personal safety together with the most possible operating comfort, modern design and actual product technologies.

Despite most possible accuracy in case of incorrect installation or use or in case of incorrect operating, it is possible that injuries or damages of property may arise.

Therefore, please read the operating instructions you have received carefully and completely, and keep it with you.

All articles of our production will be checked at 100% — for your safety.

We reserve the right to make technical changes which serve the progress at any time.

Before the installation or startup it may be necessary, depending on the article and purpose of use, to check the legal instructions of each country.

In case of warranty claim the device has to be sent to the seller originally packed together with the sales receipt and a detailed description of the mistake. Please consider the manufacturer's instructions for return (RMA). The legal warranty instructions are valid.

The warranty claim and also the permission for startup will expire in case of:

- unauthorised changes on the device or the accessories which have not been executed or approved by the manufacturer or its partners
- opening of the box
- repair of the device on your own
- incorrect use / no normal use / startup
- influence of force on the device (falling down, wilful damage, accident, etc.)

During the installation please consider all safety and legal instructions. The device may only be installed by trained qualified personnel or persons who are similar qualified.

In case of installation- or function problems please reduce the search of the mistake to approx. 0,5 hours for mechanical works or 1,0 hours for electronic works.

To avoid unnecessary additional work and expenses, please send immediately an inquiry to our technical support with the Kufatec contact form (<http://www.kufatec.de/shop/de/infocenter/>)

Please absolutely mention the following:

- car chassis number
- part number of the add-on kit
- exact description of the problem
- work steps already made

4 Safety instructions

The installation may only be executed by trained qualified personnel. Please execute the installations only in a condition of dead voltage. Here please separate for example the battery from the main power supply and consider the instructions of the car manufacturer.

- In order to not endanger your own driving safety please never use security relevant screws, bolts or other fixation pieces at steering, brake system or other components.
- Connect the device only at 12V wiring system voltage with ground connection to the autobody. This assembly is not allowed for the use in trucks or other cars with 24V wiring system voltage.
- Please avoid the installation of the device at positions where the driving safety or the functional efficiency of other subassembly integrated in the car are restricted.
- This module may only be used together with the following mentioned car types and models; the installation may be executed exclusively by use of the circuit points mentioned in the assembly instructions.
- Kufatec GmbH & Co. KG does not assume liability for damages which are caused by incorrect installation, the use of inapplicable circuit points or the installation into car types and -modules which are not foreseen.
- We would like to draw your attention to the fact that the module processes the data of the MOST-protocol of the car mentioned below. Therefore, during the installation of the module it will be used a model-specific complete system which we as the manufacturer of the mentioned construction line only know partly.
- Especially in case of changes within the same model line and the same year we therefore cannot guarantee the applicability of our construction line in each case. Kufatec GmbH & Co. KG does not assume liability for the applicability of our construction line with changes made by the manufacturer.
- Kufatec GmbH & Co. KG does not assume liability that the installation of the here described component has been permitted according to the guarantee instructions of particular car manufacturers. Therefore, please consider the guidelines for installation and guarantee conditions of your car manufacturer before installation.
- The manufacturer reserves the right to change components without giving reasons.
- Subject to errors and changes

5 Requirements for the determinable operation

Please use the device only in its the corresponding area.

In case of unprofessional and untypical use, installation or modification the permission for operation and the warranty claim will expire.

6 How to connect a cable to another

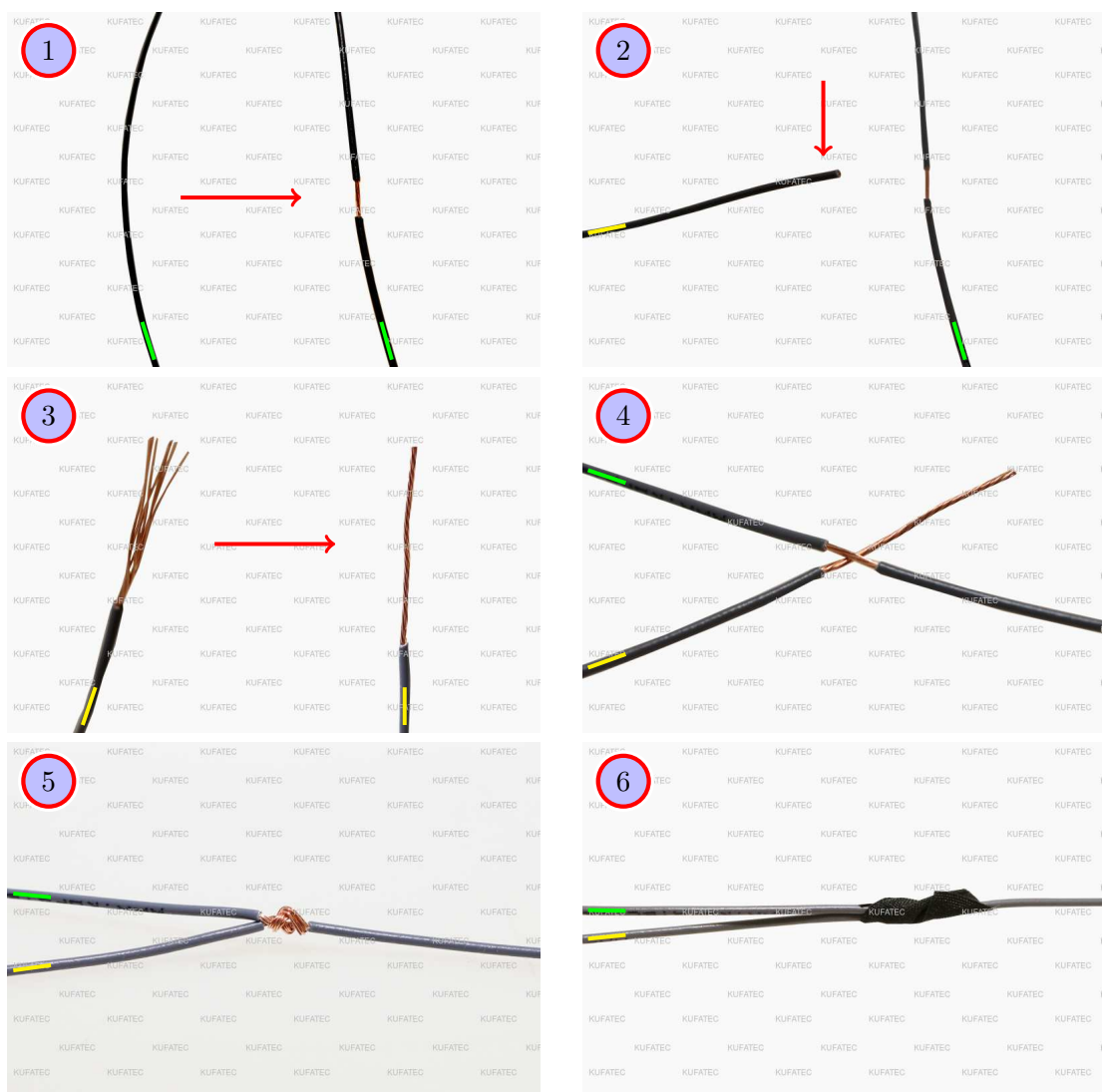


Figure 1: How to connect a cable to another

Table 1: How to connect a cable to another

No.	Work step	Note
1	Take the cable of the vehicle, to which you want to connect, (green marked here) and strip the insulation at one point with a suitable tool (cable stripper/cutter knife).	
2	Now take the cable of the cable set, which you want to connect, (yellow marked here) and strip the insulation at the end.	
3	Twirl the wires of the stripped cable together.	
4	Place the end of the cable you want to connect under the stripped point of the cable of the vehicle...	
5	... and wrap the cable you want to connect around the cable of the vehicle.	
6	Lastly, stick insulating tape around the connection point.	

7 Note Cable Inscription/Color



Figure 2: Cable Inscription

If our cable set consists exclusively of grey wires, connect the wires according to the cable inscription.

8 Note

Make sure that there's enough space at the described position. If there is no space please cancel the installation and contact our technical support.

The use of a sound booster is not permitted without registration in the vehicle papers, in the area of the german StVZO. The noise emission of the vehicle is increased by this retrofit. The regulations of the StVZO must be observed. It is therefore recommended to ask for a specific registration option at the responsible TÜV/DEKRA office before retrofitting. Outside Germany, please observe the laws on vehicle licensing applicable in your country.

9 Assembly instruction

The following illustration shows the cable routing as well as the position of the individual components.

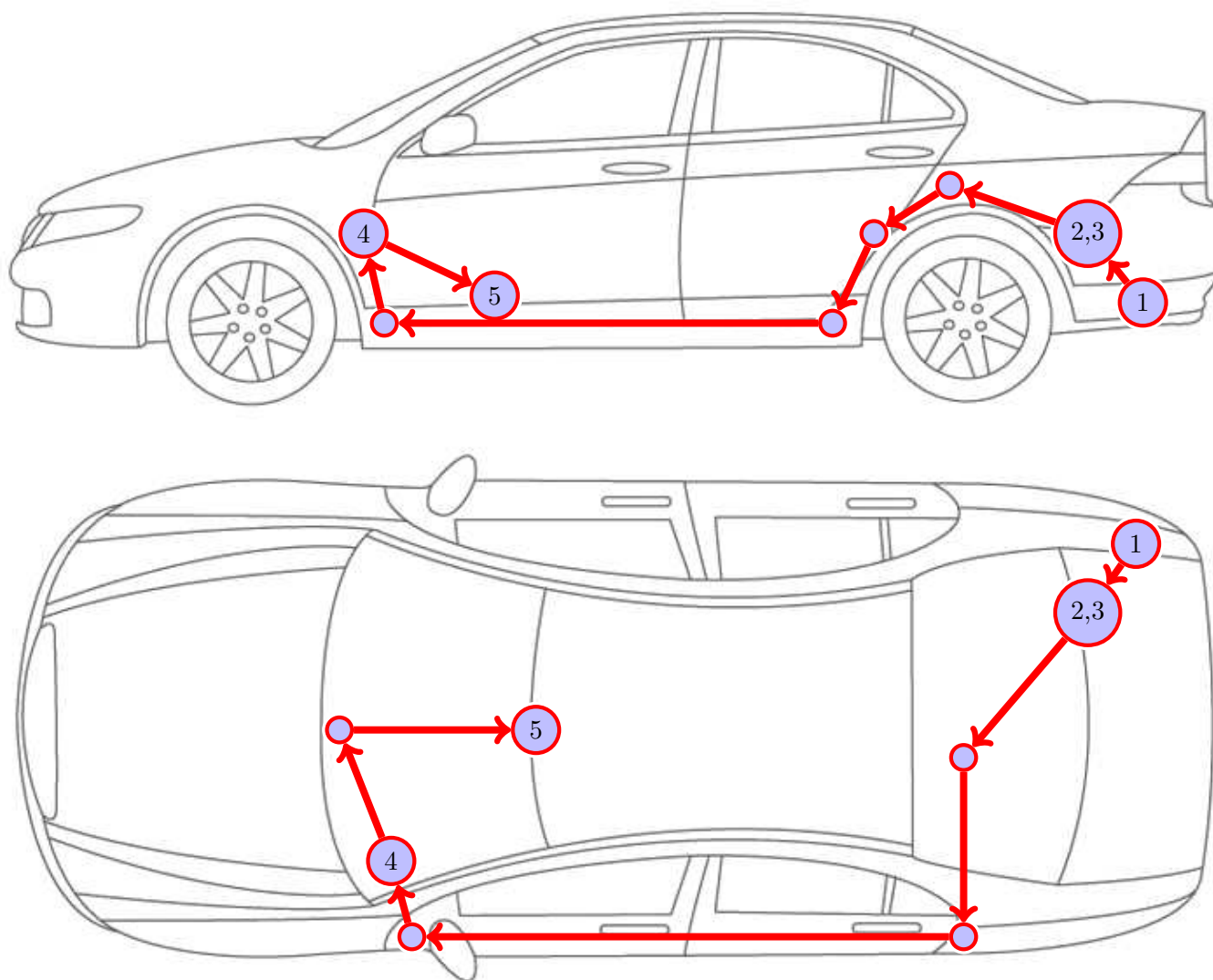


Figure 3: Vehicle overview

- 1 External Soundbooster incl. holder
- 2 Control unit for Motor Sound Booster
- 3 Sound Booster Pro (module)
- 4 Push button
- 5 External Soundbooster incl. holder for AMG-Line

10 Installation Sound Booster / Connection Cable Set

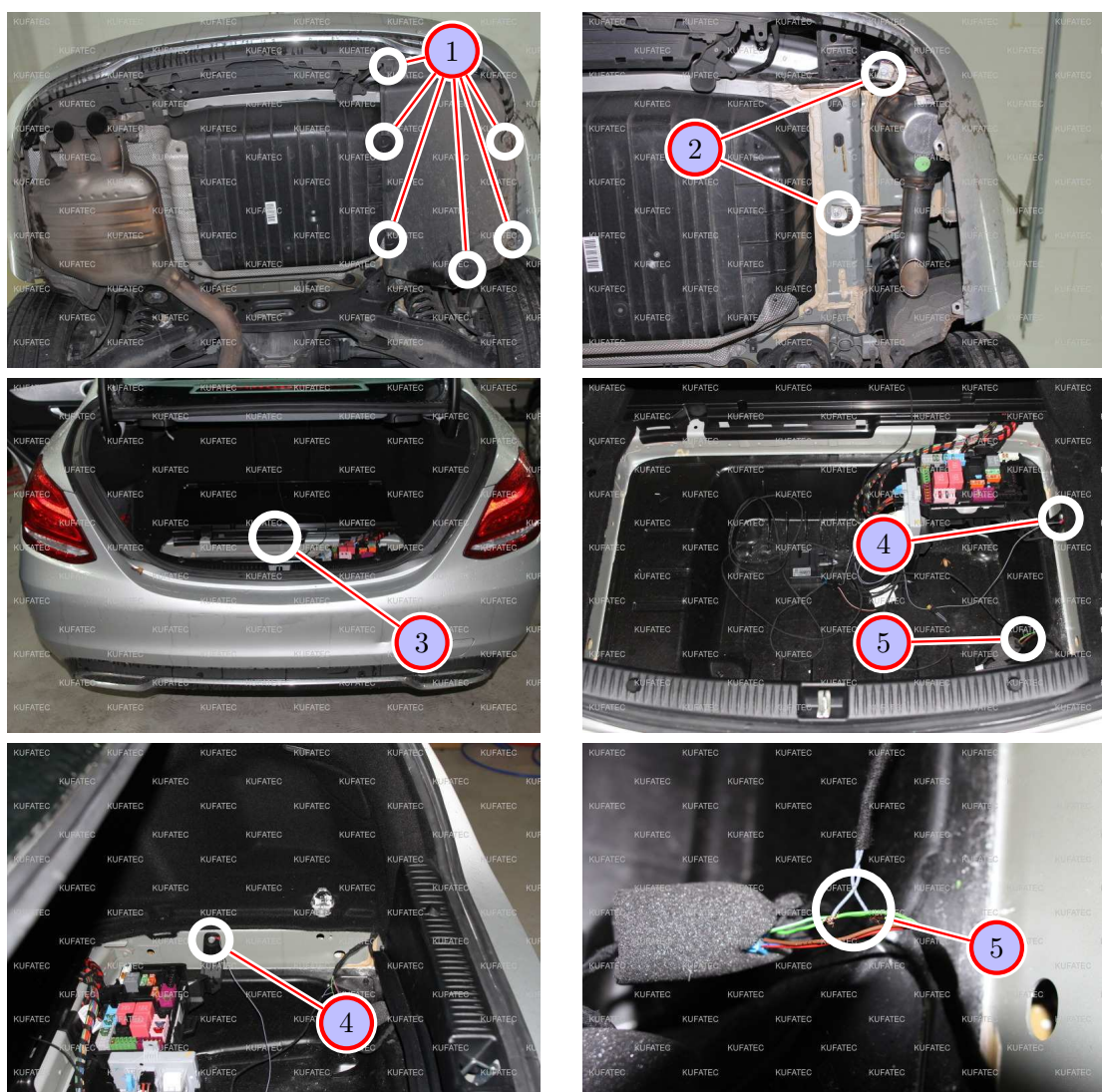


Figure 4: Installation Sound Booster / Connection Cable Set

Table 2: Instructions for the installation of the Sound Booster / Connection of the cable set

No.	Work steps	Note
1	Remove the cover by releasing the indicated screws, clips and screw nuts.	T20,10er nut
2	Install the Sound Booster at the indicated positions with two screws. These screws are not included in the scope of supply.	2xM8
3	Remove the covers from the luggage space in order to uncover the supporting girder.	
4	Install the ground cable (brown) at the indicated ground point.	
5	Connect CAN High/Low with the twisted pair wire with color green/white and green in the right back of the luggage space.	
	CAN High (black/white) with green/white	
	CAN Low (black/yellow) with green	
	Isolate the positions, where you have installed wires, with corresponding insulating tape.	

11 Connection ignition plus

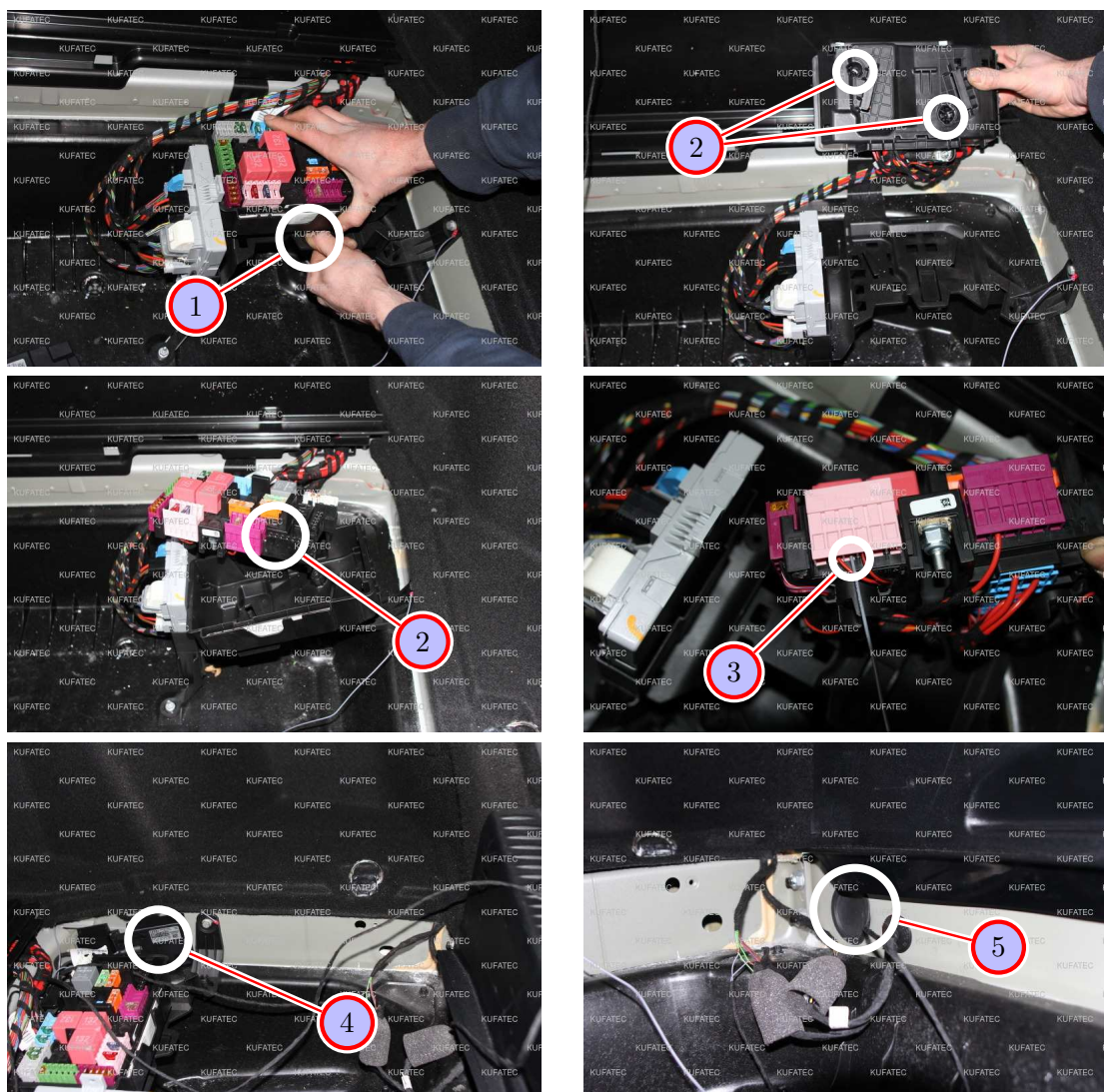


Figure 5: Connection ignition plus

Table 3: Instructions for the connection of the ignition plus

No.	Work steps	Note
1	Unlock the fuse box and remove it after that.	
2	Now release the two indicated screws of the fuse carrier and remove the fuse carrier.	2xT20
3	Now unlock the indicated single fuse carrier and pin the ignition plus (red/white) cable. After that please save the place with a 7,5 ampere fuse. For this, please use the fuse area F447.	
4	Now connect the cable set with the control unit and the sound module. Both should be placed and connected at the same indicated position.	
5	Please remove the rubber grommet and drill a hole for the cable to the Sound Booster. Pin out the cable for the Sound Booster from the plug, lead it through the grommet and after that through the hole to the underfloor. Now pin the cable into the plug again and connect it to the Sound Booster. Additionally, please seal the drilled hole with a sealing tape.	

12 Routing the pushbutton cable

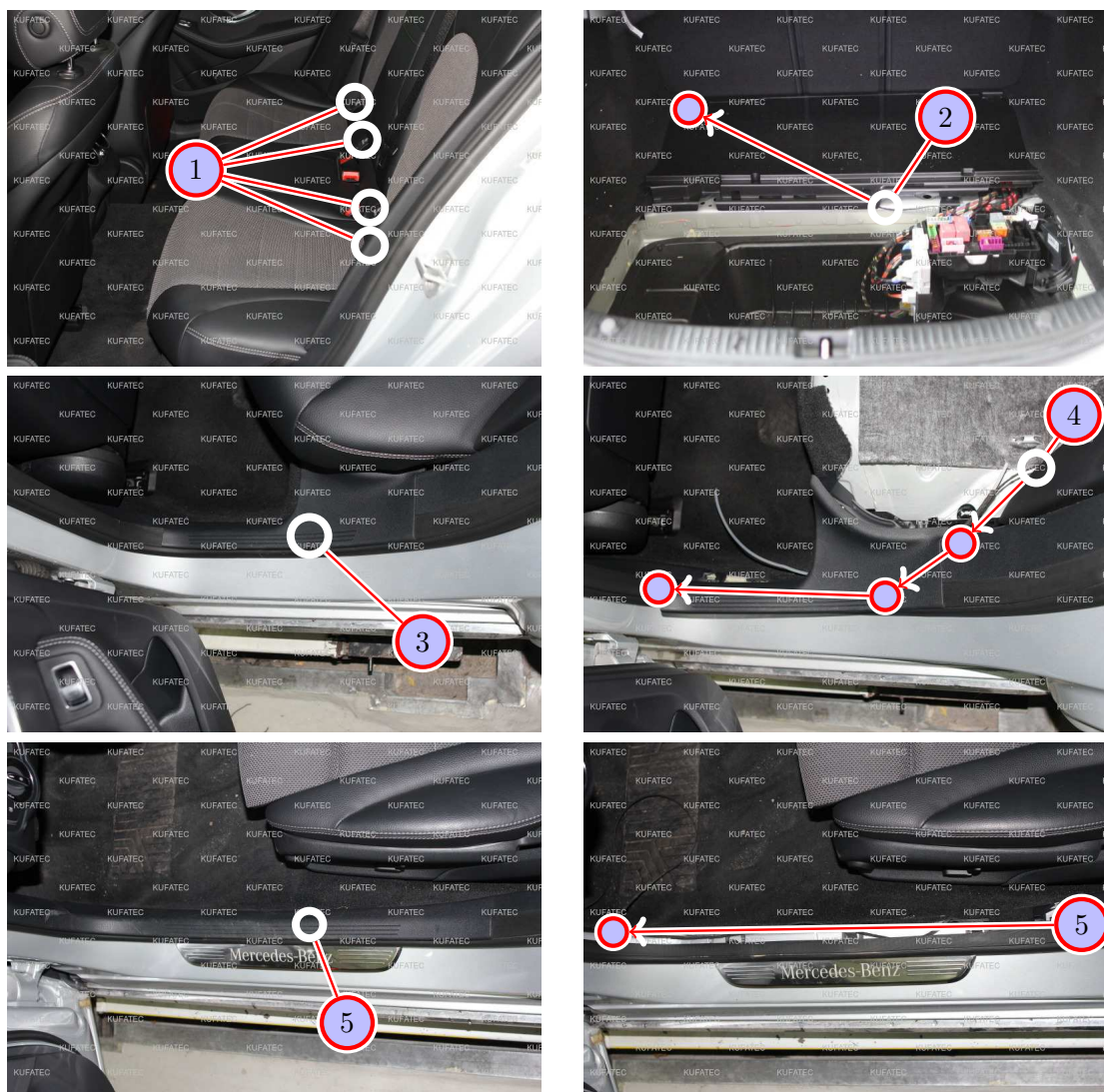


Figure 6: Routing the pushbutton cable

Table 4: Instructions for routing the pushbutton cable

No.	Work steps	Note
1	Remove the indicated ISO FIX coverings and after that the backseats.	
2	Pull the pushbutton cable by using a pulling-through-aid underneath the covering towards the backseats - in driving direction left.	
3	Release the entering guide rail together with an installation lever in the back in driving direction left.	
4	Afterwards pull the pushbutton cable by using a pull-through-aid underneath the covering in the direction of the b-pillar.	
5	Loosen and remove the entering guide rail in the front in the driving direction left and pull the pushbutton cable behind the covering of the b-pillar into the front up to the car dashboard.	
	For the AMG-Line, please route the sound cable together with the pushbutton cable forward and route the cable, as shown on page 15, into the engine compartment.	

13 Placing the pushbutton (Proposal)



Figure 7: Placing the pushbutton

Table 5: Instructions for placing the pushbutton

No.	Work step	Note
1	Please drill a hole for the pushbutton at the marked position.	7mm
2	Pull the pushbutton cable from the entering guide rail up to the dashboard. Afterwards install the pushbutton at the indicated position.	

14 Installation sound generator for AMG-Line

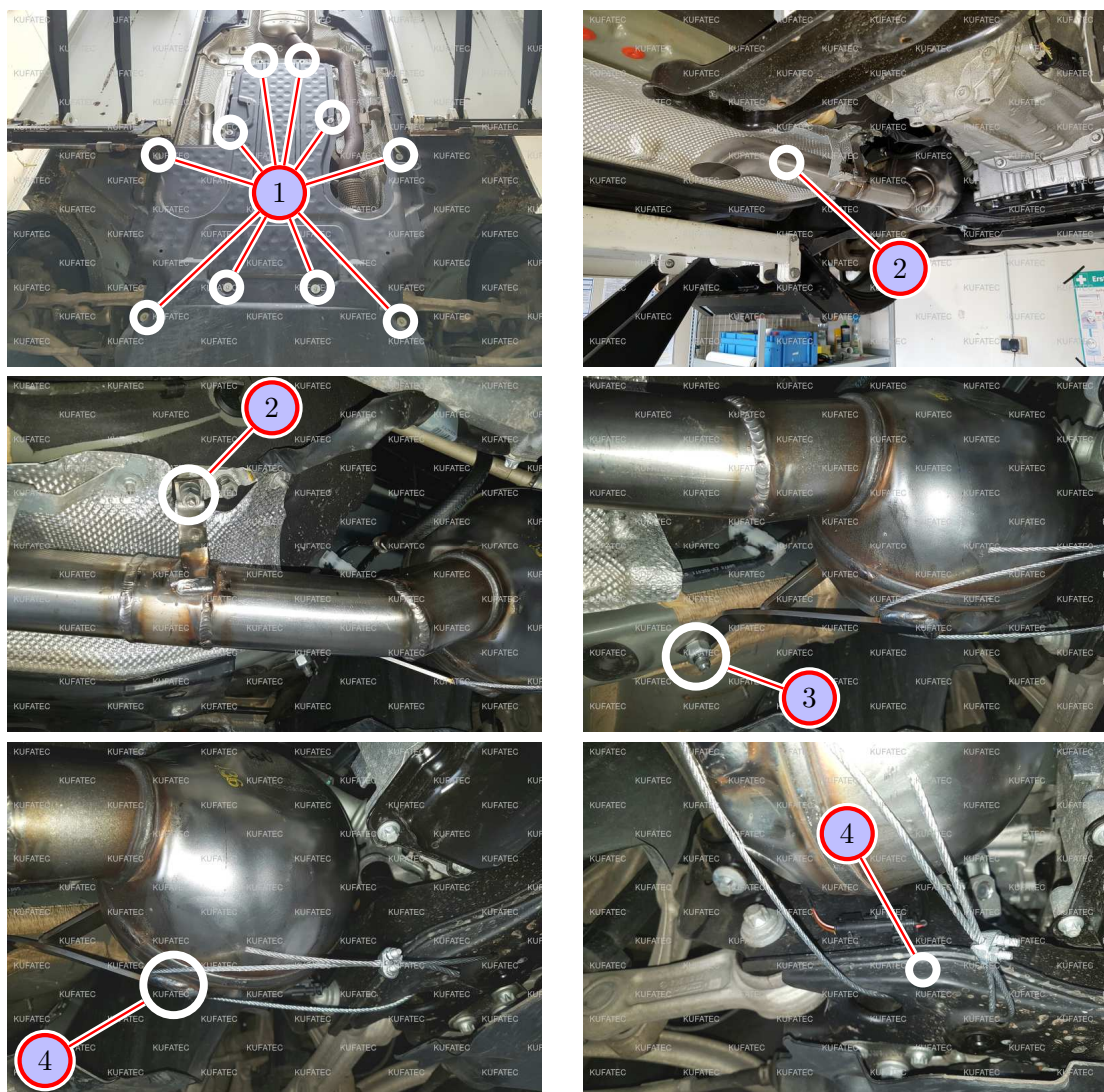


Figure 8: Installation sound generator for AMG-Line

Table 6: Instructions for the installation of the sound generator for AMG-Line

No.	Work step	Note
1	Remove the underride protection by loosening and removing the ten marked screws.	10xM6
2	Please fix the sound generator with two screws. Fasten one of the screw at the ground pin, which is located at the heat protection plate ...	1xM12
3	... and fasten the second screw at the thread rod on the longitudinal beam.	1xM8
4	Attach the safety cable in an appropriate location at the bearing spider and at the bracket on the sound generator.	

15 Removing footwell trim on driver's side for AMG-Line

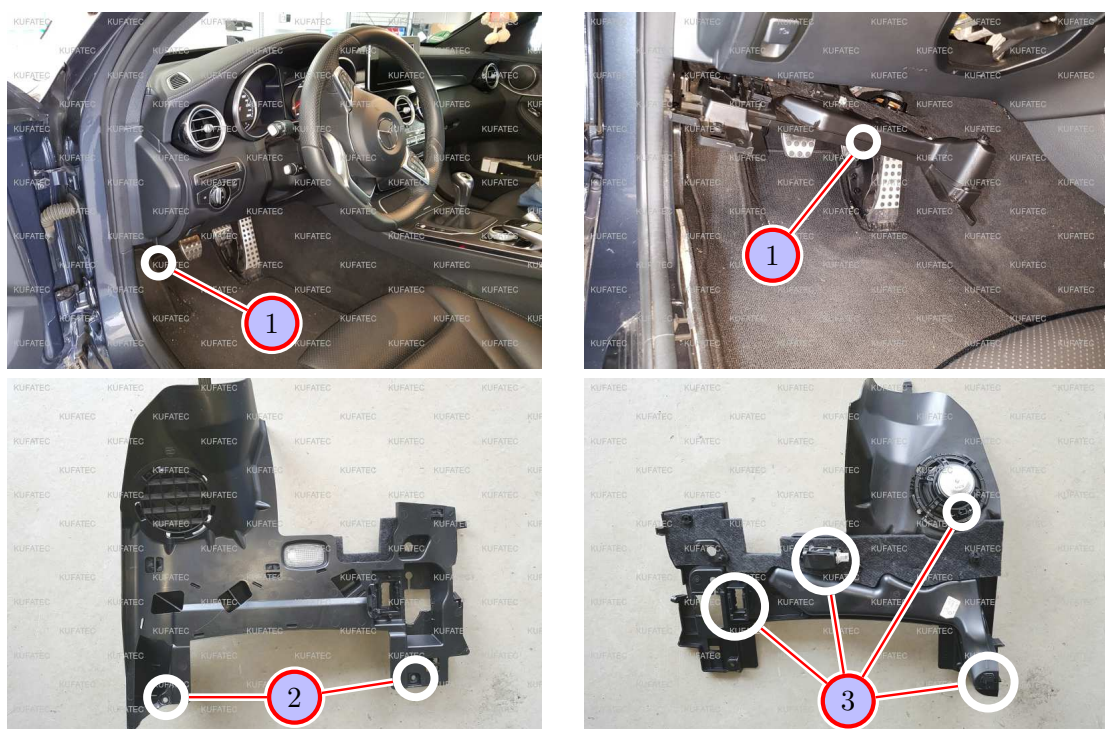


Figure 9: Removing footwell trim on driver's side for AMG-Line

Table 7: Instructions for removing the footwell trim on driver's side for AMG-Line

No.	Work step	Note
1	Please remove the lower footwell trim on driver's side by ...	
2	... loosening and removing both of the marked screws as well as ...	2xT20
3	disconnecting the four marked plugs from the covering.	

16 Cable routing to the sound generator for AMG-Line



Figure 10: Cable routing to the sound generator for AMG-Line

Table 8: Instructions for the cable routing to the sound generator for AMG-Line

No.	Work step	Note
1	Please route the cable out of the footwell on driver's side by using a push-through-aid, through the inside located rubber grommet into the engine compartment.	
2	The cable should come out in the engine compartment at driver's side, out of the rubber grommet at the water tank.	
3	Route the cable through the engine compartment downwards, until it comes out at the sound generator.	
4	Finally, please connect the plug with the sound generator.	

17 Important Information Sound Booster

Please use for the fixation of the Sound Booster suitable high tensile screws. In order to avoid loosening of the screws by vibration please make the screws safe with appropriate factory material e.g. Threadlock. Please additionally check the stability of the Sound Booster regularly and if necessary retighten the screws. In case of no consideration we do not assume liability for possible damages. After successful installation we recommend to cover the sound generator with a zinc spray. Make sure that you cover the opening of the sound generator so that no zinc spray can't get inside the sound generator.

As additional safety the delivered steel cable and the retaining clips have to be tightened on the Sound Booster as well as at a suitable position in the car. This safety cable is an additional security should the tightening screws should be released by vibration.

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