



**Installation Instructions**  
Fistune DAB / DAB+ Integration  
Audi, VW, Skoda, Seat  
v1.3 (21.05.2019)

Einzellicenz Autocomponents AS - Trommsdorffweg 144 - 2040 Kloofta

## Contents

<b>1</b>	<b>Liability Exclusion</b>	<b>3</b>
<b>2</b>	<b>Copyright</b>	<b>4</b>
<b>3</b>	<b>General notes</b>	<b>4</b>
<b>4</b>	<b>Safety Instructions</b>	<b>5</b>
<b>5</b>	<b>Requirements for the intended use</b>	<b>5</b>
<b>6</b>	<b>How to connect a cable to another</b>	<b>6</b>
<b>7</b>	<b>Note Cable Inscription/Color</b>	<b>7</b>
<b>8</b>	<b>Assembly instruction</b>	<b>8</b>
<b>9</b>	<b>Note</b>	<b>9</b>
<b>10</b>	<b>Disassembly radio / navigation</b>	<b>10</b>
<b>11</b>	<b>Connection Fistune / DAB</b>	<b>12</b>
<b>12</b>	<b>Final coding</b>	<b>12</b>
<b>13</b>	<b>Setup Fistune in the radio menu</b>	<b>13</b>
<b>14</b>	<b>Fistune update per micro SD card</b>	<b>14</b>

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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 manufacturers. Before the serial production, the cable sets will be adjusted and tested on an original vehicle. Therefore, the integration into the vehicle electronics follows the guidelines provided by the car manufacturer. Our installation instructions correspond to what is common in the vehicle electric/electronic regarding the required pre-understanding and the accuracy of the description in text and picture. They have proven its worth in practice hundreds of times.

If you should experience any difficulties while installing one of our products, we are available to provide support via phone or email. Additionally, we offer you to execute the installation in our workshop in Bad Segeberg.

Costs, arising from third parties assigned with the installation of our products, are not being covered by us. We will only compensate the proven costs of the assembly and the costs of the disassembly of the defective product, if it turns out that there is an issue with our product. We limit the reimbursement of costs up to 110 Euro gross and reserve the right to verify the claim in our workshop in Bad Segeberg. The costs for shipping will be refunded if the claim is justified.

We made the experience, that every professional workshop that is equipped with the necessary diagnostic devices, the diagnostic software and the manufacturer's circuit diagrams, is able to find any possible defects in one of our products in a short period of time. The assembly and disassembly including troubleshooting the issue should therefore only take up to 60 minutes.

We also made the experience, that many professional workshops are not able to cope with the manufacturer's circuit diagrams and can't read common wiring schemes, which results in the calculation of several hours for the simplest installations. You will understand the fact, that we can neither take the risk of finding a reliable workshop for you, nor can we finance the training of the employees of your trusted workshop.

Costs, arising from purchasing missing parts or replacements for defective parts from other suppliers, are covered by us up to the amount that the subsequent delivery would have caused (saved expenses). According to the legal warranty law, there would be no reimbursement right, if there was no deadline for the subsequent fulfilling set or the deadline for a subsequent fulfilling hasn't expired.

That being said, if you have any problems during the installation or operation of one of our products call us, write us an email, send us the product or come by our workshop in Bad Segeberg with your vehicle. We are certain, that we can find a solution for any kind of concern.

Kind regards,  
Your Kufatec GmbH & Co. KG Team

## 2 Copyright

Our installation and operation instructions, installation plans, software and other written and/or pictured documentations are protected by copyright.

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

## 3 General notes

While developing this product, your personal safety combined with the best operating service, modern design and an up-to-date production technique was especially taken into account.

Unfortunately, despite the utmost care injuries and/or damages might occur due to improper installation and/or use.

Therefore, please read the following instruction manual fully and thoroughly and keep it!

All articles of our production line pass through a 100% check – for your safety and security.

We reserve the right to carry out technical changes which serve the improvement at any time.

Depending on each product and purpose, it might be necessary to check each country's legal regulations before installing and starting it.

In case of warranty claims, the product has to be sent back to the seller in the original packaging with the attached bill of purchase and detailed defect's description. Please, pay attention to the manufacturers return requirements (RMA). The legal warranty directions are valid.

The warranty claim as well as the operating permission becomes invalid due to:

- unauthorized changes to the device or accessories which have not been approved or carried out by the manufacturer or its partners
- opening the casing of the device
- repairing the device on one's own
- improper use/operation
- brute force to the device (drop, willful damage, accident etc.)

During the installation, please pay attention to all safety relevant and legal directions. The device should only be installed by trained personnel or similarly qualified people.

**In case of installation problems or problems concerning the functionality of the device, limit the time to approx. 0,5 hours for mechanical or 1,0 hours for electrical troubleshooting.**

To avoid unnecessary costs and time-loss, send in an immediate support-request, via the Kufatec-contact-form (<http://www.kufatec.de/shop/de/infocenter/>).

In case of, let us know the following:

- Car chassis number/vehicle identification number
- Five-digit part number of the device
- Exact description of the problem
- Steps you have taken to solve the problem

## 4 Safety Instructions

The installation should only be performed by trained personnel. Only perform installations while in a voltage-free state. For example, disconnect the battery. Please pay attention to the instructions provided by the manufacturer.

- Never use bolts or nuts from the car's safety devices for installation. If bolts or nuts from the steering wheel, brakes or other safety devices are used for installation of the device, it may cause an accident.
- Use the device with a DC 12V negative ground car. This device cannot be used in large trucks which use a DC 24V battery. If it is used with a DC 24V battery, it may cause a fire or accident.
- Avoid installing the device in places that would restrict you from driving safe or where it could damage the car's other fittings.
- This device should only be used in combination with the mentioned vehicles. Only connections described within this instructions guide are allowed or required to use for installation.
- For damages caused by faulty installation, unsuitable connections or inappropriate vehicles, Kufatec GmbH & Co. KG assumes no liability.
- We advise you that these devices process data from the MOST protocol of the vehicle. As the supplier of this device we don't know the overall system you are working with. If your device causes damage, due to other changes made to the vehicle, Kufatec GmbH & Co. KG assumes no liability.
- Kufatec GmbH & Co. KG supplier does not guarantee the use of the product for changes within a new vehicle series.
- If the car manufacturers don't agree with the installation of our device by reason of warranty, Kufatec GmbH & Co. KG assumes no liability. Please, check conditions and warranty before you begin the installation.
- Kufatec GmbH & Co. KG reserves the right to change the device specifications without notice.
- Subject to errors and changes.

## 5 Requirements for the intended use

**Only use this device in its intended area.**

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

## 6 How to connect a cable to another

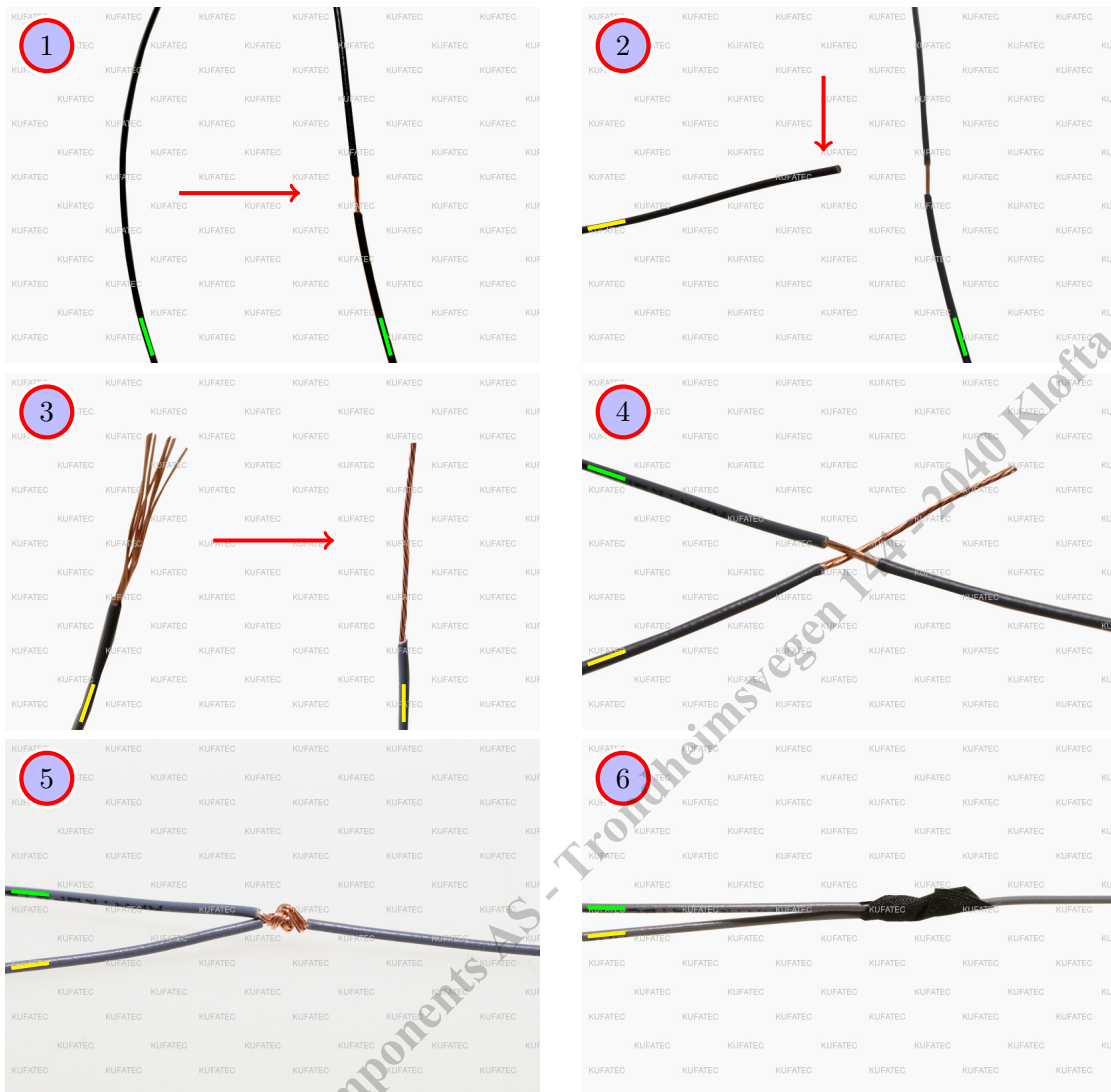


Figure 1: How to connect a cable to another

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. Solder the connection professionally.	
6	Lastly, stick insulating tape around the connection point. Make sure that the isolation is put onto the connection professionally to prevent corrosion.	

## 7 Note Cable Inscription/Color



Figure 2: Cable Inscription

**If the cable set consists of colored cables, connect the cables according to the color. If all cables of the cable set have the same color, connect the cables according to the cable inscription.**

## 8 Assembly instruction

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

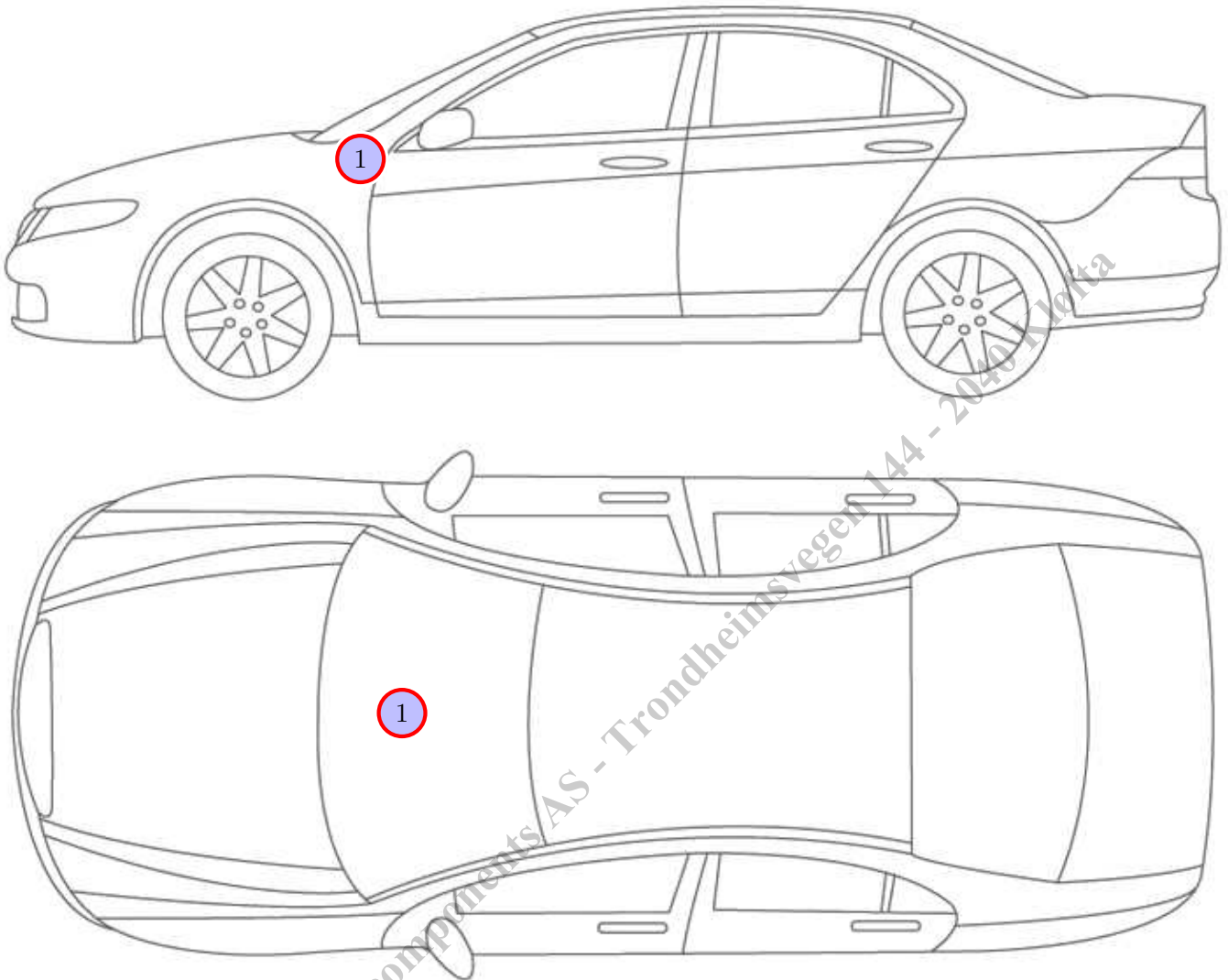


Figure 3: Vehicle overview

- 1 Connection plug-connection to the radio / navigation



## 9 Note

- The installation instruction has been carried out at a VW Amarok exemplarily.

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## 10 Disassembly radio / navigation



Figure 4: Disassembly radio / navigation

Table 2: Instructions for the disassembly of the radio / navigation

No.	Work step	Note
1	Remove the upper covering by using a trim tool.	
2	Loosen the marked plug.	
3	Loosen the two marked screws.	2xT20
4	Remove the marked covering on both sides.	
5	Loosen the external screws, which are situated behind.	2xT20
6	Afterwards you can pull the covering out.	

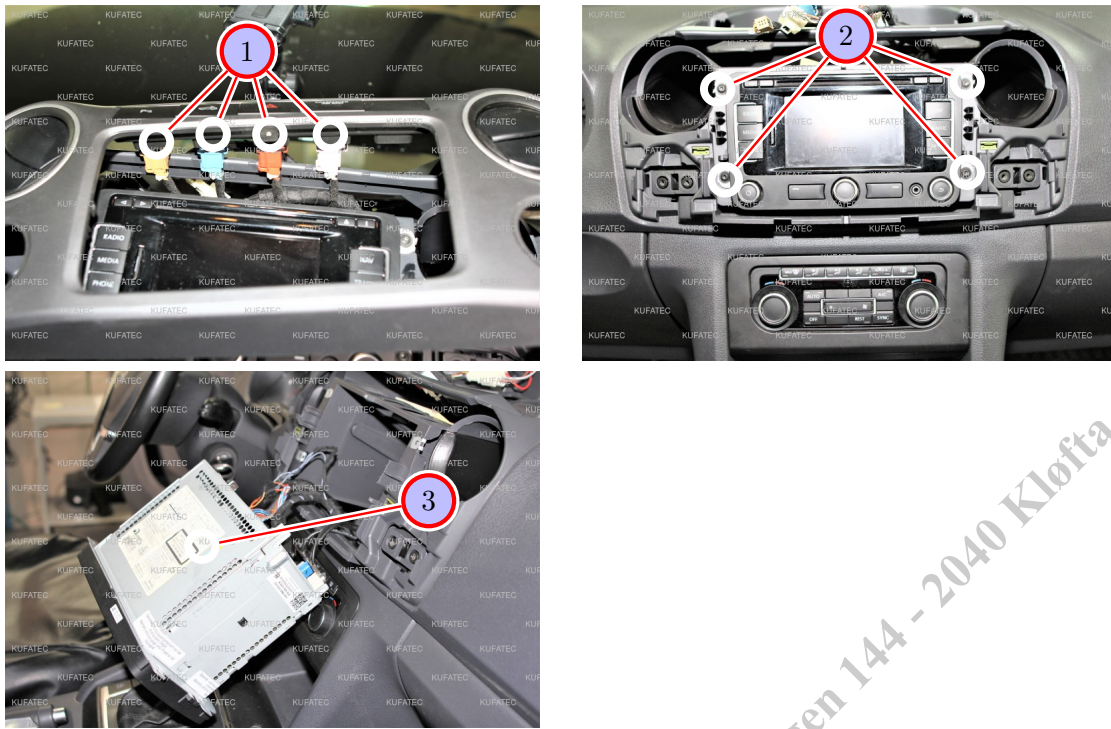


Figure 5: Disassembly radio / navigation

Table 3: Instructions for the disassembly of the radio / navigation

No.	Work step	Note
1	Loosen the four marked plugs from the covering and remove them completely.	
2	Loosen the four marked screws of the radio.	4xT20
3	Pull the radio out of the dashboard, loosen the wires und put the radio aside.	

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## 11 Connection Fistune / DAB

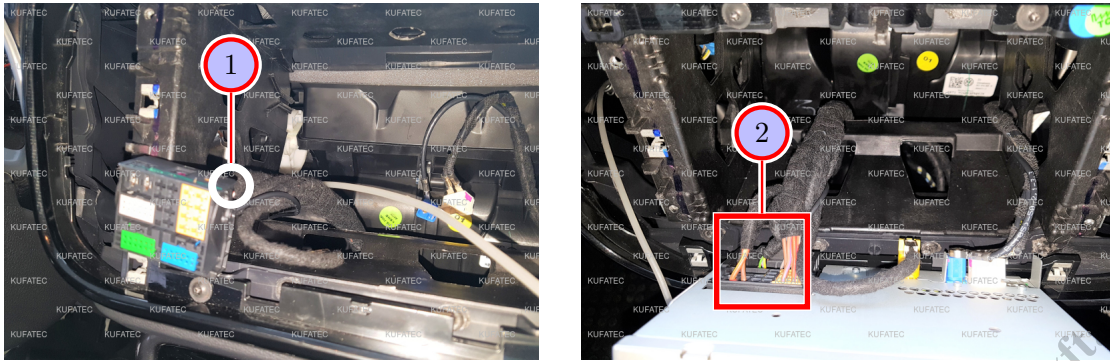


Figure 6: Connection Fistune / DAB

Table 4: Instructions for the connection of the Fistune / DAB

No.	Work step	Note
1	Connect the Fistune plug connection with the original plug of the vehicle.	
2	Connect the Fistune plug connection with the main unit/radio.	
3	Connect a suitable DAB-antenna to the FAKRA-plug of the Fistune-module.	

## 12 Final coding

### Instructions for the coding of the Fistune DAB:

- **Important Note:** In order to carry out the settings of the Fistune in the radio menu, the system has to be coded first!
- Add the address **2E Mediaplayer** in the installation list (address 19).



### 13 Setup Fistune in the radio menu



Figure 7: Setup Fistune in the radio menu

Table 5: Instructions for the setup of the Fistune in the radio menu

No.	Work step	Note
1	After connecting the Fistune DAB module at the radio, please - press the marked button <b>Media</b> on the left-hand side.	
2	Press on the menu item <b>Extras</b> and in the submenu the item <b>Scan</b> in order to start the search run.	
3	After the channel search has completed, press the item <b>Selection</b> on the operating panel.	
4	Confirm the menu item <b>Stations</b> in order to get into the station selection.	
5	In this menu <b>Stations</b> you can then select the available digital stations.	

## 14 Fistune update per micro SD card

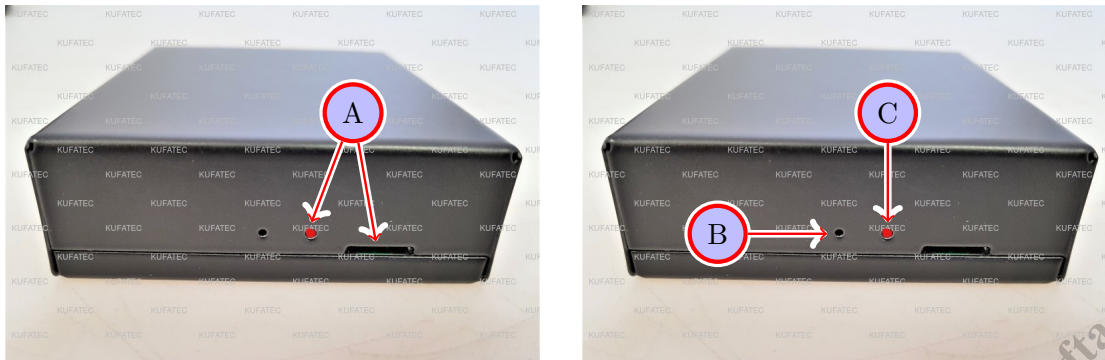


Figure 8: Fistune update per micro SD card

Table 6: Instructions for the Fistune update per micro SD card

No.	Work step	Note
	Please create a folder on a micro SD card named <b>upgrade</b> .	
	Afterwards copy the file <b>JR2-0215.hex</b> into this folder. Please note that in this folder only this one and only folder should be.	
A	Plug the SD-card, on which the update file has been saved, into the SD-slot. Thereby, the red LED-light shines continuously.	
B	To start the update operation, press the Reset-button for one second with a thin item (e.g. tip of a ballpoint).	
C	After pressing <b>Reset</b> , the red LED-light begins to flash for approx. 10 seconds. Do not interrupt the connection for these 10 seconds under any circumstances.	
	After the Reset-operation has been ended, the device should be ready to run again. The red LED-light has to shine then continuously.	
	Afterwards the micro SD card then can be removed.	
	<b>Possible error indication:</b>	
	After you have executed the above steps A-C, the red LED-light flashes very fast for 5 seconds (approx. 4x per second).	
	This means, that the update operation has not been properly carried out/completed.	
	<b>The possible error cause can be the following:</b>	
	- there is no update file on the micro SD card	
	- the SD card is damaged	
	- the SD card has been removed out of the slot during the update operation	
	- the power supply was interrupted during the update operation	
	<b>Should an error occur after the executed steps A-C, please check the above mentioned error causes and repeat the whole update operation afterwards!</b>	

## List of Figures

1	How to connect a cable to another . . . . .	6
2	Cable Inscription . . . . .	7
3	Vehicle overview . . . . .	8
4	Disassembly radio / navigation . . . . .	10
5	Disassembly radio / navigation . . . . .	11
6	Connection Fistune / DAB . . . . .	12
7	Setup Fistune in the radio menu . . . . .	13
8	Fistune update per micro SD card . . . . .	14

## List of Tables

1	How to connect a cable to another . . . . .	6
2	Instructions for the disassembly of the radio / navigation . . . . .	10
3	Instructions for the disassembly of the radio / navigation . . . . .	11
4	Instructions for the connection of the Fistune / DAB . . . . .	12
5	Instructions for the setup of the Fistune in the radio menu . . . . .	13
6	Instructions for the Fistune update per micro SD card . . . . .	14

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