

# Assembly Instructions

1K0 051 437

## Original hands free phone kit for retrofitting

### Scope of delivery:

- ◆ 1 x Interface box
- ◆ 1 x Microphone
- ◆ 1 x Wiring set
- ◆ 1 x Fitting material
- ◆ 1 x Instruction manual
- ◆ 1 x Assembly instructions

### Special tools, test and measuring equipment, and ancillaries required:

- ◆ Torx Allen keys (set)
- ◆ Dismantling key 3409
- ◆ Wiring harness repair set -VAS 1978-
- ◆ Vehicle diagnosis, measurement and information system, e. g. -VAS 5051A-

### Procedure:

#### Note

- ◆ A competent workshop should install the original hands free phone kit. Special tools and the accompanying literature specific to the car are required for fitting it. Incorrect fitting may lead to damage to the car or the hands free phone kit.
- ◆ The retrofitting can be carried out in vehicles fitted with a factory radio/radio navigation system.
- ◆ After completing the fitting work, the car must be coded for operation with the mobile telephone using a car diagnostics, measuring and information system.
- ◆ Secure the wires so that they cannot come into contact with any rotating or other moving parts and so that they cannot chafe on any sharp metal or plastic edges.
- ◆ All rights to make technical changes reserved.

### 1.1 Fitting location

The following illustration shows the possible fitting locations and the routing of the wires from the radio/radio navigation system to the roof console.

#### 1 - Microphone

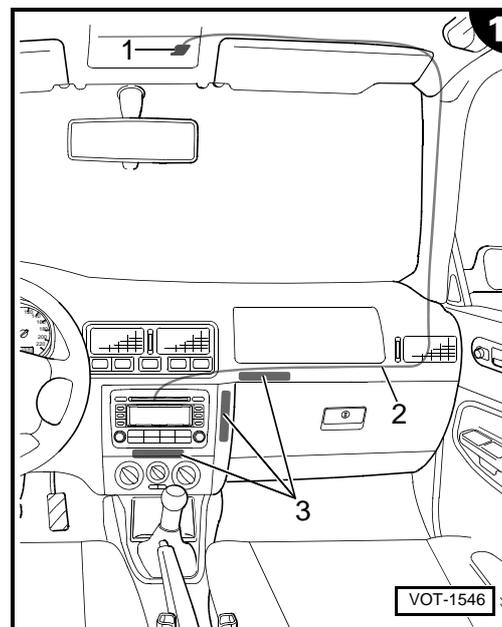
- ◆ Fitting work on the factory installed fitting location in the roof console

#### 2 - Wiring harness

- ◆ Routing from the radio plug connector to the interface box and below the storage compartment on the passenger side, the A-pillar trim and the roof lining to the microphone in the roof console

#### 3 - Interface box

- ◆ Possible fitting locations are, depending on the vehicle and equipment installed, on the left next to or above the storage compartment on the passenger side, below or behind the radio/radio navigation system



#### CAUTION!

- The wiring set -2- must be routed so that the function of the passenger airbag is not limited.
- The fitting location of the interface box -3- must be selected so that the function of the passenger airbag is not limited.

### 1.2 Preparing the vehicle for fitting the component

- Switch off the ignition and all electrical equipment.
  - Remove the radio/radio navigation system, the storage compartment of the passenger side, the right hand A-pillar trim, the sun visors and the roof console of the vehicle.
- ⇒ Vehicle repair manual



### 1.1 Fitting the interface box

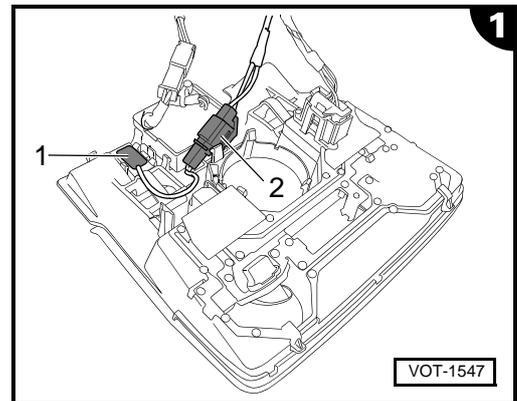
- Plug the blue multiway connector of the wire set into the connector socket of the interface box and lock it.
- Wrap the interface box with the foam material provided to avoid noises when the vehicle is moving.
- Fit the interface box on a suitable fitting location on the dashboard (see page 1, Fig. 1).

### 1.2 Routing the wiring set

- Install the shorter section of the wiring set from the interface box to the radio plug connector of the vehicle.
- Install the longer section of the wiring set from the interface box within the dashboard, to the A-pillar of the vehicle.
- Secure the wiring set with the supplied cable ties within the dashboard to the existing car wiring or supports of the vehicle.
- Route the wiring set to the installation location of the roof console alongside the A-pillar and within the roof lining.
- Secure the wiring set with the supplied cable ties to the existing car wiring or supports of the vehicle.

### 1.3 Fitting the microphone into roof console

- Remove the cover from the (no illustration) mounting opening of the microphone -1-.
  - Clip the microphone -1- supplied into the roof console of the vehicle.
  - Connect the plug connection of the microphone to the socket -2- of the wiring set.
  - Wrap the plug connection the foam material provided to avoid noises when the vehicle is moving.
  - Refit the roof console in the reverse order.
- ⇒ Vehicle repair manual



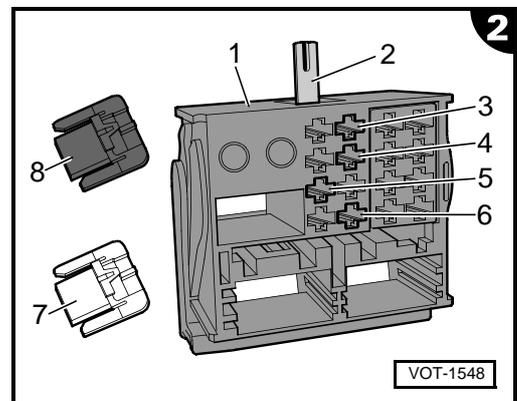
### 1.4 Connecting the wire set to the radio connecting plug of the vehicle

#### Note

Existing wiring is not illustrated below for reasons of clarity.

- Pull the locking pin -2- out of the radio plug connector -1-.
- Push the cable marked from the chamber of the radio plug connector and lock the contacts into the supplied flat contact housings -7- and -8- according to the table. Tick-off the changes made in the table column "completed".

Wire colour	from PIN radio connecting plug	to PIN/plug	comp.
orange/violet	PIN 9 (-3-)	PIN 1 white plug	
orange/brown	PIN 10 (-4-)	PIN 2 white plug	
yellow/red	PIN 15 (-5-)	PIN 1 black plug	
brown	PIN 12 (-6-)	PIN 2 black plug	



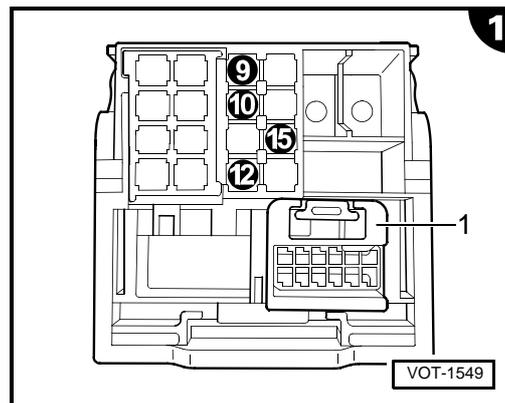
- Lock the connector -7- and -8- into the respective socket of the wiring set.



- Insert the single core wires of the wiring set into the radio connecting plug according to the following table. Tick-off the changes made in the table column "completed".

wire colour	to PIN/radio connecting plug	completed
orange/violet	PIN 9	
orange/brown	PIN 10	
yellow/red	PIN 15	
brown	PIN 12	

- Insert the locking pin back into the radio connecting plug (see page 3, Fig. 1, -2-).



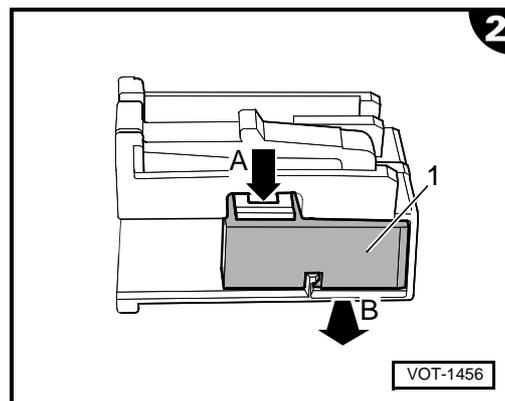
**i Note**

With those vehicles fitted with a factory installed CD changer, the green flat contact housing (see Fig. 1, -1-) is already installed. In this case, use the flat contact housing in the vehicle. If a CD changer is not installed, use the flat contact housing provided.

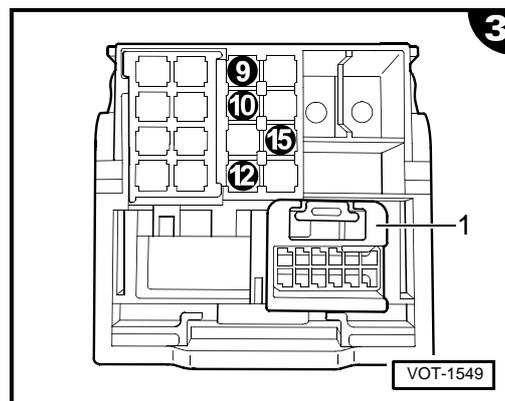
- Unlock the green flat contact housing -Arrow A- and take out the bay contact housing -1- -Arrow B-.
- Assemble the bay contact housing -1- according to the following table using the free wires in the wiring set. Tick-off the changes made in the table column "completed".

wire colour	to PIN/Bay contact housing	completed
blue	PIN 12	
yellow	PIN 6	
green/brown <sup>1)</sup>	PIN 11	
white/brown <sup>1)</sup>	PIN 5	

<sup>1)</sup> are not required with RNS2CD and RNS2DVD



- Insert the green flat contact housing -1- of the wiring set into the radio connecting plug.
  - Re-mount the radio/radio navigation system.
- ⇒ Vehicle repair manual





## 1.5 Coding the hands free phone kit

- Connect a vehicle diagnosis, measurement and information system to the vehicle.
- Select the operating mode "Vehicle Self-Diagnosis" at the vehicle diagnostics, measurement and information system.
- Select the following menu points one after another:
  - ◆ 19 Databus diagnostic interface
  - ◆ 007 Coding (Service \$1A)
  - ◆ 77 Telephone
- Reset the telephone to "coded".
- The follow the guide and enter the relevant vehicle data.
- Code the telephone controller as follows:

byte	devices <b>without</b> stereo phone input <sup>1)</sup>	devices <b>with</b> stereo phone input <sup>2)</sup>
0	\$40	\$41
1	\$21	\$21
2	\$20	\$20

<sup>1)</sup> e. g. Premium 7, RNS2-CD/DVD, RNS-MFD2 CD/DVD ...

<sup>2)</sup> e. g. Premium 8, RNS 510

- End the coding by confirming the entries made.

## 1.6 Functional check and final fitting

- Check the function of the hands free phone kit by coupling a mobile telephone with the hands free phone kit and carry out a call. End the call using the multi-function steering wheel to check the function of the hands free phone kit together with the multi-function steering wheel.
- ⇒ Instruction manual of the hands free phone kit
- Refit the storage compartment of the passenger side, the right hand A-pillar trim and the sun visors of the vehicle.
- ⇒ Vehicle repair manual