Version 1.04

Installation manual
Voice control VW RNS 510

Article-ID 37115
37115 -1

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General advice

Congratulations to your new voice control.
Thank you for choosing a product of Kufatec GmbH.

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.

Please read the attached instruction manual completely with great care 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.

According to each article and purpose, it is sometimes necessary to check each country's legal regulations before installing and starting the unit.

In case of guarantee claims, the device 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 manufacturer's return requirements (RMA). The legal warranty directions are valid.

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

a) unauthorized changes to the device or accessories which have not been approved or carried out by the manufacturer or its partners

b) opening the device's frame

c) device's repairs carried out by one's own

d) improper use / operation

e) brute force to the device (drop, wilful damage, accident etc.)

During installation, please pay attention to all safety relevant and legal directions.

The device has only to be installed by trained personnel or similarly qualified people.

Safety Instructions

Installation requires special knowledge.
Do not install the unit yourself. For safe and reliable installation, consult a dealer having special knowledge.

- 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 unit, it may cause an accident.
- Use the unit with a DC 12V negative ground car. This unit 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 unit in following places:
  - Where it would hinder your safe driving.
  - Where it could damage the car's fittings.
- This unit is only for use in the following vehicles. Only connections described within this instruction guide are allowed or required to use for installation.
- For damage impact caused by faulty installation, unsuitable connections inappropriate vehicles Kufatec GmbH assumes no liability.
- We advise you that these units process datas out of the CAN - protocol from the vehicle. As the supplier of this device we don‘t know the overall system you are working with. If our device causes damage due to other changes made by to the vehicle Kufatec GmbH assumes no liability.
- Kufatec GmbH supplier do not guarranty the use of the product for changings within a new vehicle series.
- If the car manufaturer‘s don‘t agree with the installation of our device by reason of warranty the Kufatec GmbH assumes no liability. Please check conditions and warranty before you begin the installation.
- Kufatec GmbH supplier reserves the right to change the device specifications without notice.

References of legal regulations for operation

Only use this unit in the intended domain.

If you use it in a foreign domain, if the unit is not installed properly, or if the unit will be reconstructed, the guarantee will expire.

Voice control RNS 510

• Following components can be controlled through speech:
  • Radio, CD, Telephone, Navigation

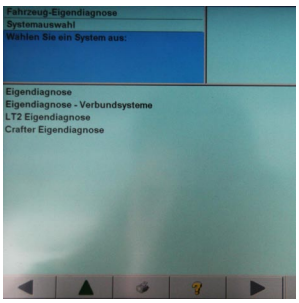
Scope of delivery

• Microphone (only for 37115)
• Wiring

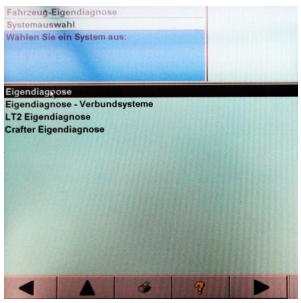
Update CD is not part of the delivery. Please contact the local VW dealer. In order to use the voice control the head unit need to have a softeare index of at least **2660**.

Coding

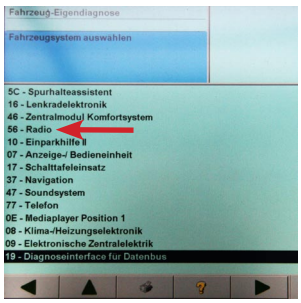
Select **Self-Diagnostic**.



Self Diagnostic →



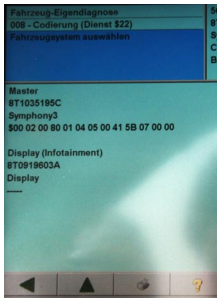
Self Diagnostic →



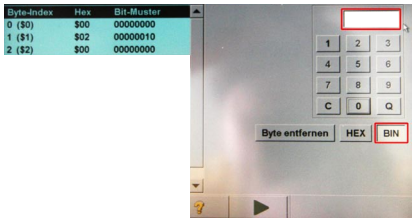
Address 56 Radio →



008 - Coding →



Master →



Select Byte-Index 7 → **Select BIN (Binär)** → **Enter coding and confirm**

Value Byte 7: Bit 1 - needs to be set to 0 before 00000010 → after 00000000

Byte-Index 3 --- **Bit 1** needs to be set to 1 (Microphone diagnostic)

Coding Address 16 - Steering wheel (not for VW Touareg)

In case of multifunction steering wheel the „Mute-button“ (star) can be changed into voice control.
Please code as follows: before 0xx?xxx after 0xx3xxx

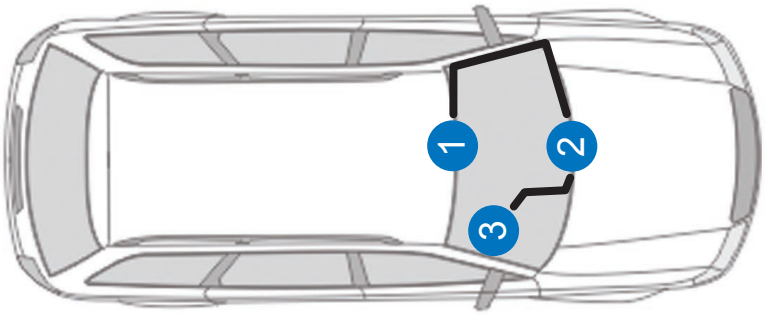
For VW Passat 3C, CC the following codings are valid:
before 0xxx?xx after 0xxx3xx
For vehicles with rocker switch the value has to be set to 4

Coding Address 77 - Only for vehicles with factory fitted hands free

Please code as follows:
before xxx?xxx after xxx8xxx

Installation instruction

The scheme below shows how to wire the looms as well as the location of the single parts.



1 Interior light

2 Quadlock connector VW RNS 510

3 Connector telephone Interface (For vehicles with factory fitted hands free)

Removing of the interior light. The installation can be different depending on the vehicle! Remove the screw shown on image 1 and remove the interior light (image 2). Mount the microphone (image 3).


image 1


image 2


image 3

Remove gently using suitable tools (in order to avoid damages) the Airbag-sign of the A-column (image 4). The cover can be removed (image 5). The loom has to be wired along the A-column towards the head unit (image 6).

ATTENTION: Does the vehicle have airbags fitted along the A-column it is essential to wire the loom for the microphone **BEHIND** the airbag. Wire the loom without putting tension on it.

Please connect the 2-pole connector to the microphone and mount the interior light again.


image 4


image 5


image 6

Installation instruction

Connection head unit

- Wire the loom (image 7) coming from the A-column to the head unit.
  With the connection of 2 (4) new wires you will complete the fitting.

Microphone looms

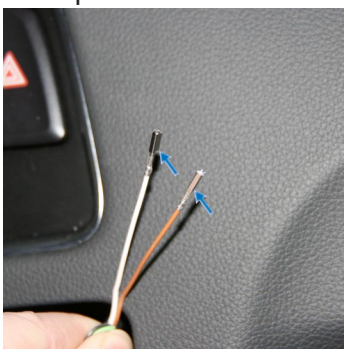
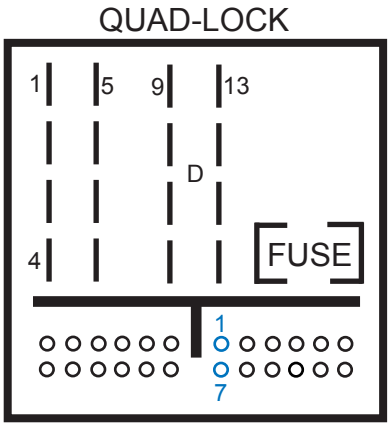


image 7



Brown - **PIN 1**
White - **PIN 7**

Only for factory hands free:
Green - **PIN 9**
Black - **PIN 4**

For vehicles without factory fitted hands free the installation has been finished.

Installation for vehicles with factory hands free

Please move the seat to the far back position. Remove the telephone interface. The location of the telephone interface can be different within the vehicle. Remove the screw of the cover of the center console (image 9).

Wire the loom underneath the carpet (image 9, 10).

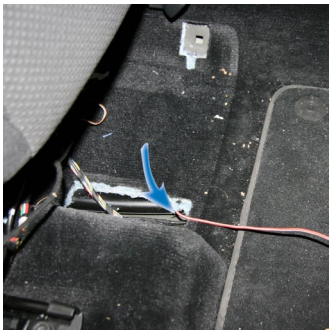
Wire the loom to the quadlock connector of the head unit. Please connect the loom like shown on the image above.



image 8



image 9



image

Installation instruction

Remove the housing of the telephone interface connector (image 11).

Remove the loom of **chamber 11** as well as **12**.
Cut of the terminals.

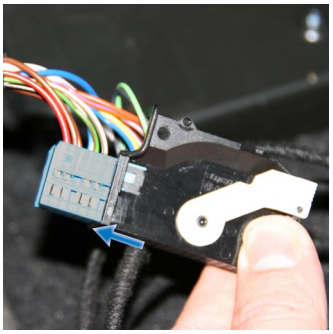


image 11

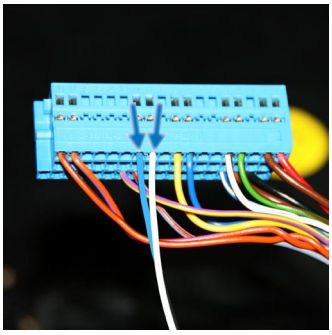
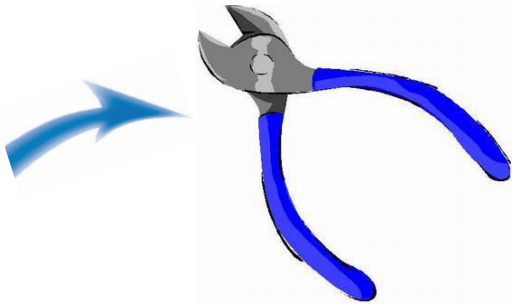


image 12



The delivered terminals has to be crimped on the looms just cutted.
Put the loom of **chamber 11** into **chamber 1** of the delivered 2-pole connector (image 13).
Put the loom of **chamber 12** into **chamber 2**.

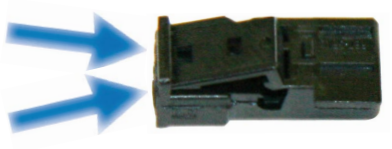


image 13

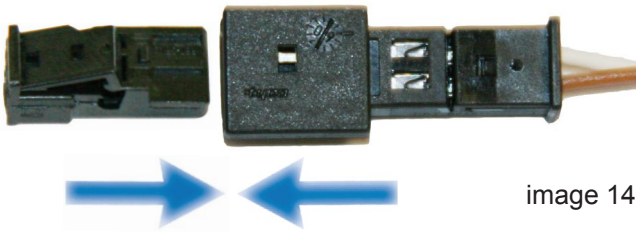


image 14

Please put the just created 2-pole connector together with the male connector of the delivered harness (image 14).

The green and black loom needs to be put into the chambers of the original telephone connector.
GREEN - PIN 11
BLACK - PIN 12.

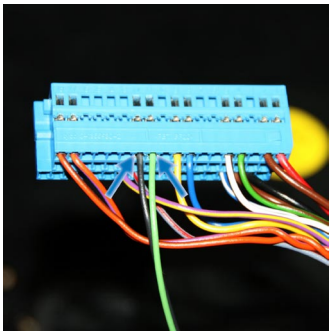


image 15

Please make sure you completed as follows:

White (coming from radio PIN 7)	**-**	**Original loom PIN 11**
Brown (coming from radio PIN 1)	**-**	**Original loom PIN 12**
Green (coming from radio PIN 9)	**-**	**PIN 11 connector telephone Interface**
Black (coming from radio PIN 4)	**-**	**PIN 12 connector telephone Interface**

Installation instruction

Please complete coding as written on page 3.

Complete an RNS 510 **RESET**. Therefore you need to push the following buttons at the same time:
< + **>** + **i**



After completing a RESET the voice control can be activated by pushing the **i - button** on the head unit as well as the „**Star - button“** on the steering wheel.