

Water Heater

Thermo Top V Parking Heater

e1
00 0018

Installation documentation

Telestart T91 retrofitting

for factory-installed Webasto parking heater

Skoda Octavia and Yeti

Petrol and diesel

from model year

Left-hand drive vehicle



WARNING!

Hazard warning:

The improper installation or repair of Webasto heating and cooling systems can cause fire or the leakage of deadly carbon monoxide, leading to serious injury or death.



To install and repair Webasto heating and cooling systems you need to have completed a special company training course and have the appropriate technical documentation, special tools and special equipment.

Only use genuine Webasto parts. See the Webasto air and water heaters accessories catalogue for this purpose.

NEVER attempt to install or repair Webasto heating or cooling systems if you have not successfully completed the company training and thereby acquired the required technical skills, or if you do not have access to the required technical documentation, tools and equipment needed to carry out correct installation and repairs.

ALWAYS follow all Webasto installation and repair instructions and observe all warnings.

The initial startup is to be executed with the Webasto Thermo Test Diagnosis.

Webasto does not accept any liability for defects and damage that are attributable to installation by untrained staff.

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Validity

Manufacturer	Model	Type	EG-BE No./ ABE
Skoda	Octavia	1Z	e11 * 2001 / 116 * 0230 * ...
Skoda	Yeti	5L	e11 * 2007 / 46 * 0010 * ...

Vehicle and engine types, equipment variants and national specifications not listed in these installation instructions have not been tested. However, installation according to this installation documentation may be possible.

Heater / Installation Kit

Quantity	Description	Order No.:
1	Retrofitting kit T91 for Octavia and Yeti Petrol and diesel	1316550A

Foreword

This installation documentation applies to Skoda Octavia and Yeti Petrol and diesel vehicles with factory installed Webasto parking heater, assuming technical modifications to the vehicle do not affect installation, any liability claims excluded. Depending on the vehicle version and equipment, modifications may be necessary during installation with respect to this installation documentation.

General Instructions

Installation should be carried out according to the general, standard rules of technology. Unless specified otherwise, fasten lines and wiring harnesses to original vehicle lines and wiring harnesses using cable ties.

Preliminary Work

WARNING!

- Disconnect the battery "earth" or "ground" connection.
- Remove the coolant reservoir cap.
- Remove the bumper.
- Remove the intake silencer from the heater.
- Lower instrument panel trim
- Remove the lower trim of the centre tunnel on the left and right side.
- Remove the fuse carrier of the passenger compartment.

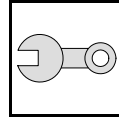
Remove page 12 "Operating Instructions for End Customer" and add to the vehicle operating instructions.



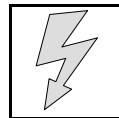
Explanatory Notes on Document

To provide you with a quick overview of the individual working steps, you will find an identification mark on the outside top right corner of the page in question.

Mechanical system



Electrical system



Special features are highlighted using the following symbols:



Specific risk of injury or fatal accidents.



Specific risk of damage to components.



Specific risk of fire or explosion.



Reference to general installation instructions of Webasto components or to the manufacturer's vehicle-specific documents.



Reference to a special technical feature.



The arrow in the vehicle icon indicates the position on the vehicle and the viewing angle.

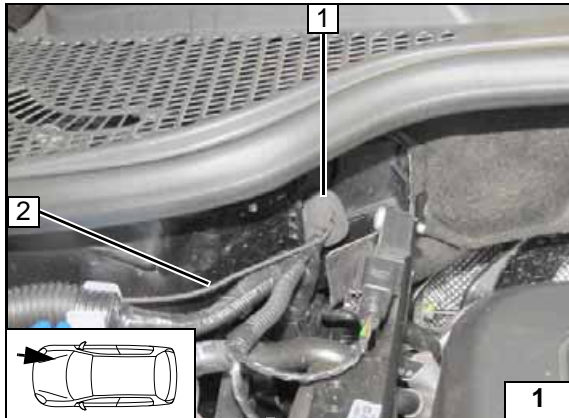
All dimensions are in mm!



Electrical System

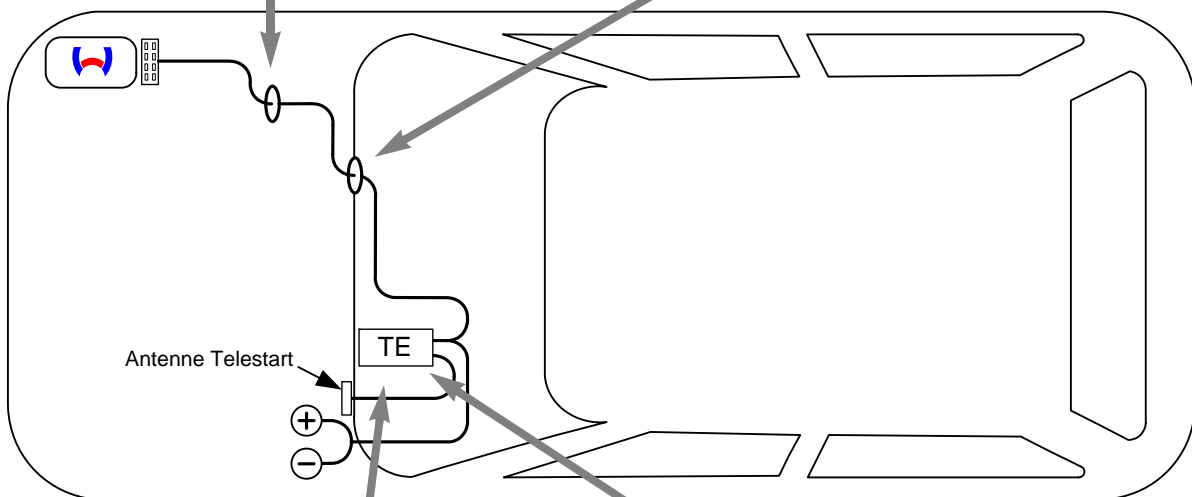
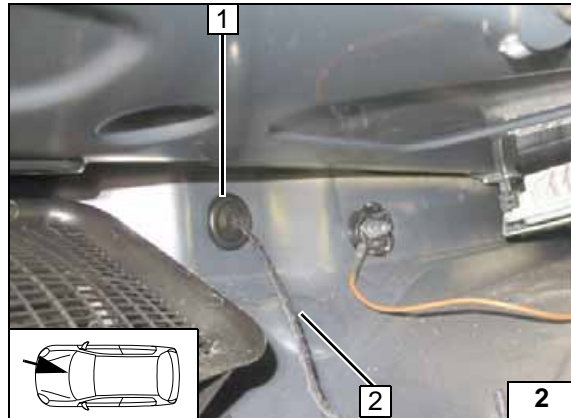
Wiring harness pass through in engine compartment

- 1 Pass through
- 2 Yellow (ge) KS3 wire

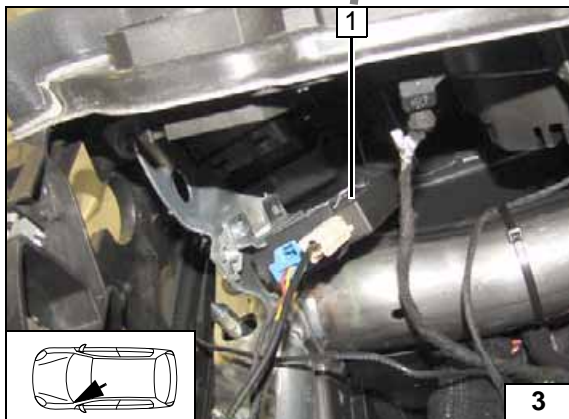


Wiring harness pass through of coolant reservoir

- 1 Protective rubber plug
- 2 Yellow (ge) KS3 wire

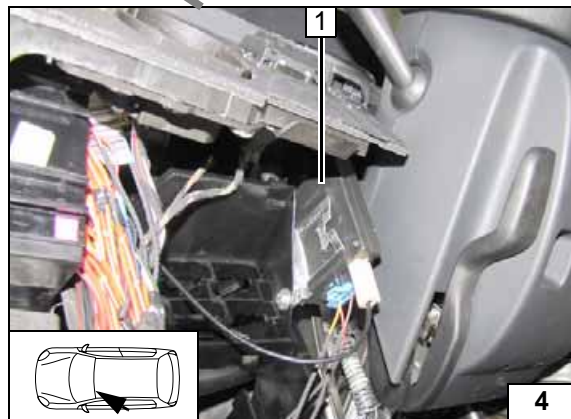


Wiring harness routing diagram



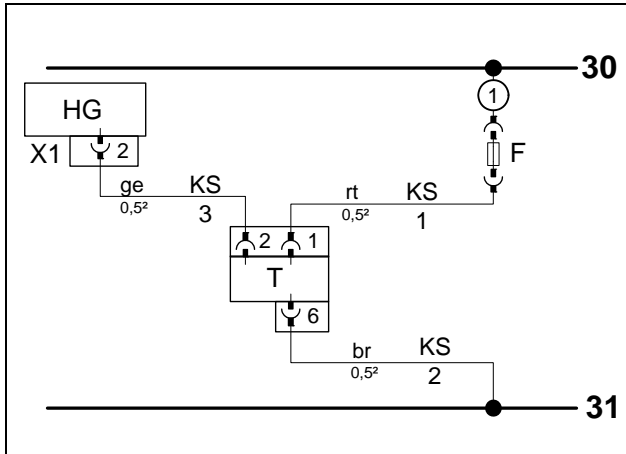
Installation location of receiver in Skoda Octavia

- 1 Receiver



Installation location of receiver in Skoda Yeti

- 1 Receiver

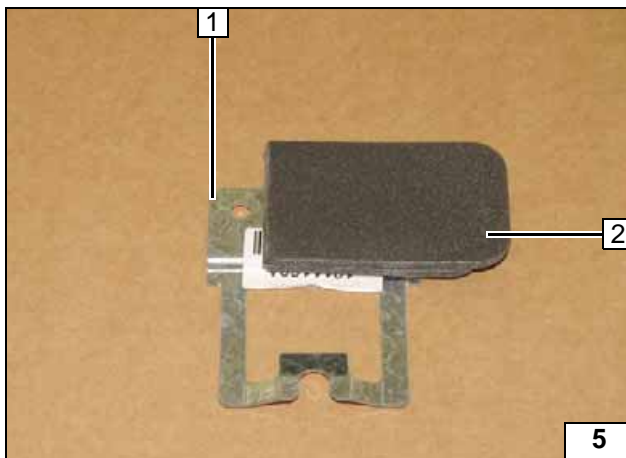


Wiring Diagram

Legend of wiring diagram

- HG - Heater
- T - Telestart receiver
- KS - Wiring harness
- F - 1A fuse
- rt - red
- br - brown
- ge - yellow

Wiring diagram



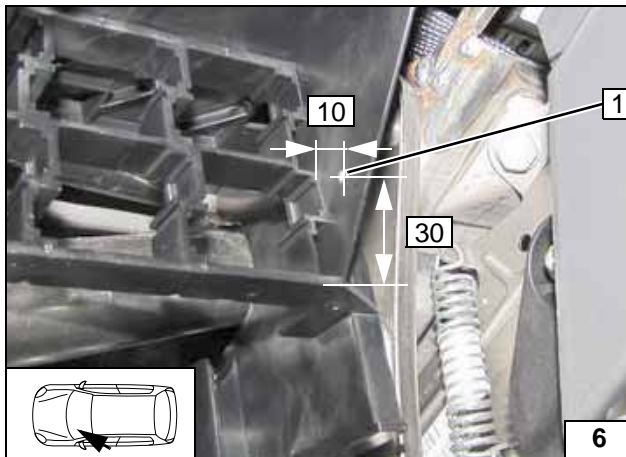
Installing Receiver

Yeti

Split foam rubber 2 in half and paste 2x on the bracket of Telestart 1.

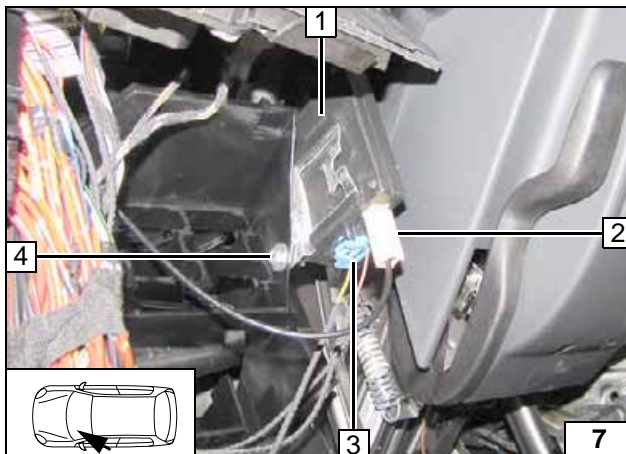


Preparing Telestart bracket



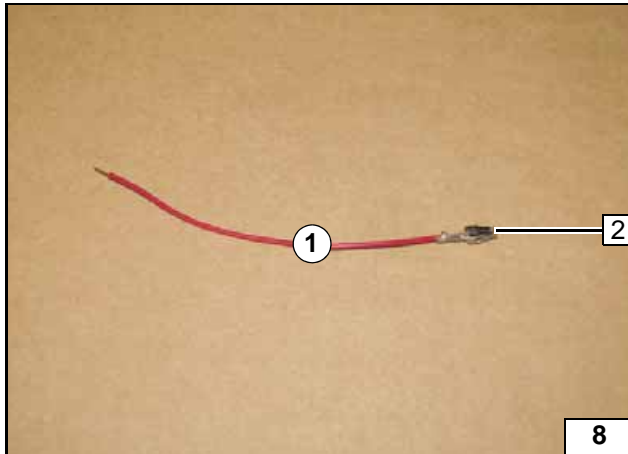
1 5.5mm dia. hole

Drilling hole



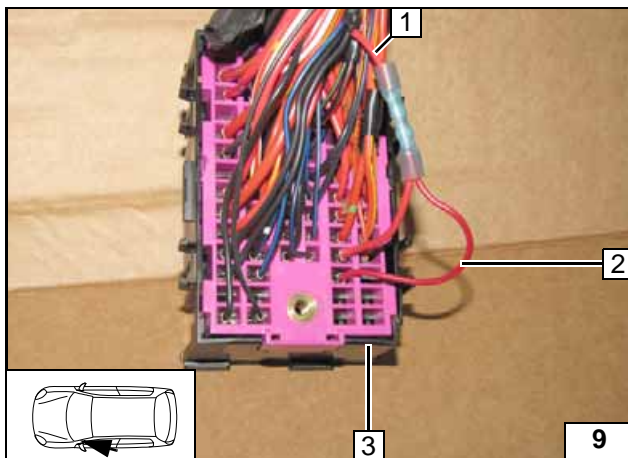
- 1 Telestart receiver mounted on bracket
- 2 Antenna connector
- 3 Telestart wiring harness connector
- 4 M5x12 bolt, large diameter washer, flanged nut

Installing receiver



- 1 150mm long, 0.75² red (rt) wire
- 2 Crimp power timer

Preparing wire

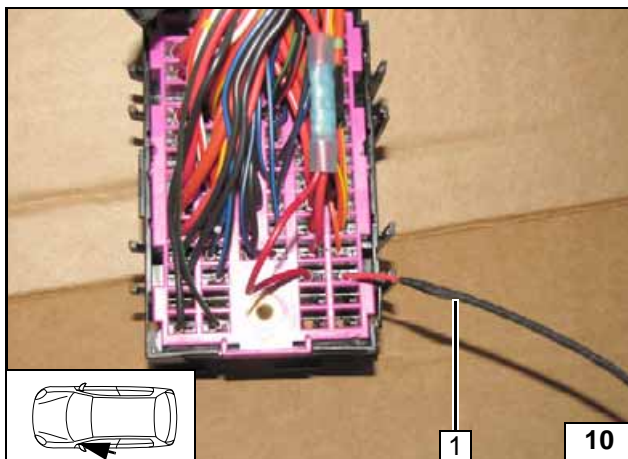


Release lock of fuse carrier **3**. Insert wire **2** into a free socket and connect as shown in wiring diagram. Socket can vary depending on vehicle equipment.

- 1 1.5² red (rt) wire, +30

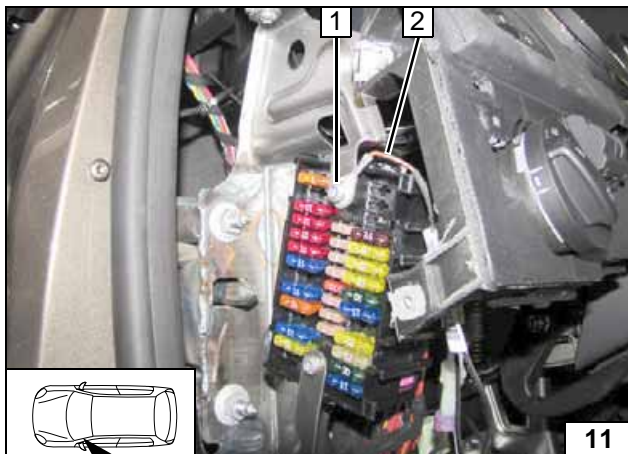


Connecting positive wire



- 1 Red (rt) KS1 wire

Connecting positive wire

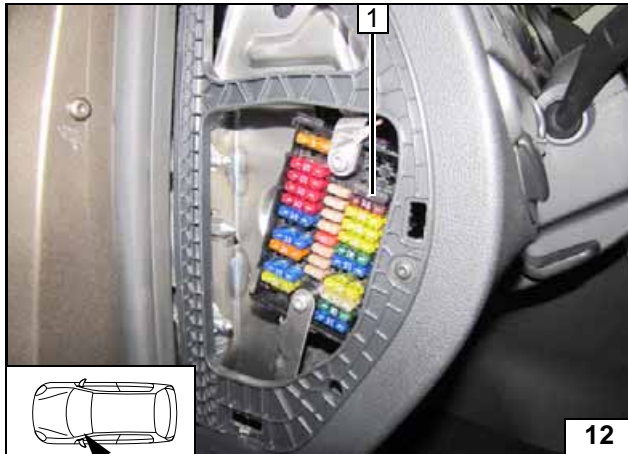


Install fuse carrier.

- 1 Original vehicle bolt
- 2 KS2 wire

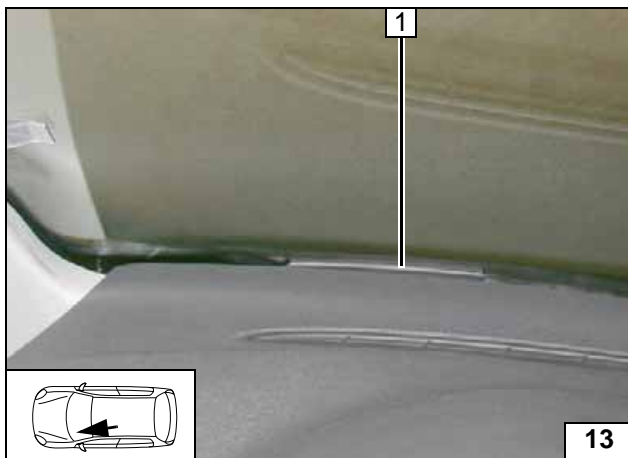


Connecting earth wire



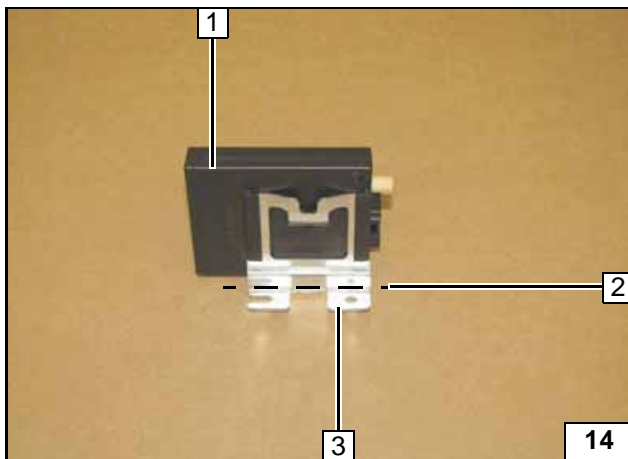
1 Plug in fuse 1A

Installing fuse



1 Antenna

Installing antenna

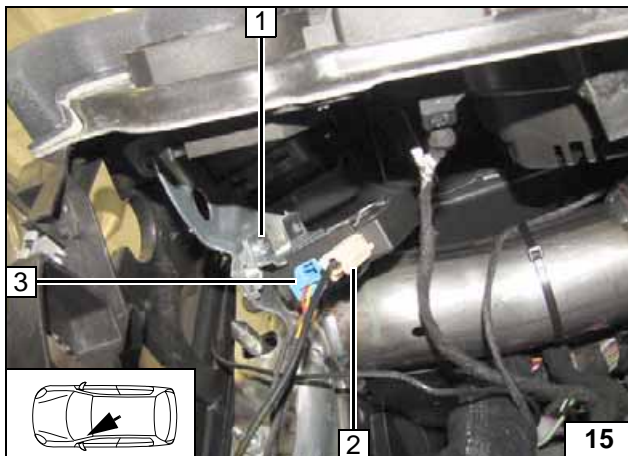


Octavia

Angle down bracket of Telestart 3 at bending line 2 to 90° and mount on receiver 1.

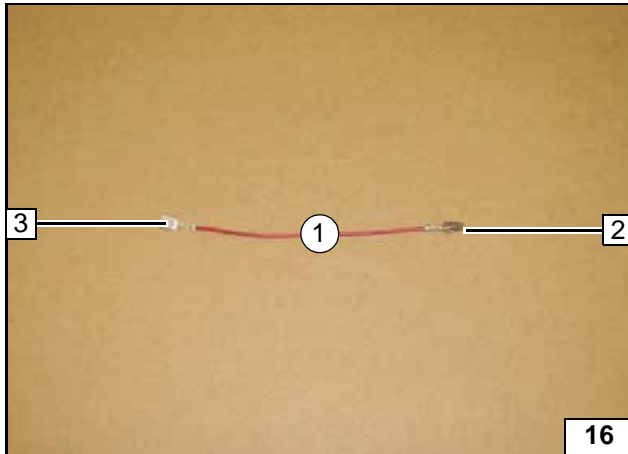


Preparing bracket and Telestart



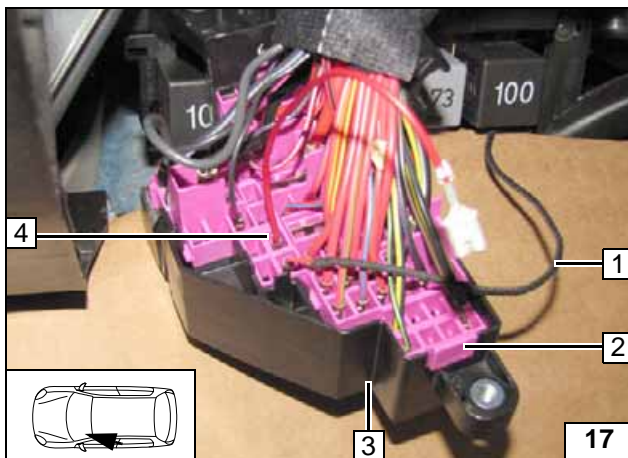
- 1 M5x12 bolt, existing hole, large diameter washer, flanged nut
- 2 Antenna connector
- 3 Telestart wiring harness connector

Installing receiver



- 1 150mm long, 0.75² red (rt) wire
- 2 Crimp power timer
- 3 Crimp tab receptacle -1²

Preparing wire

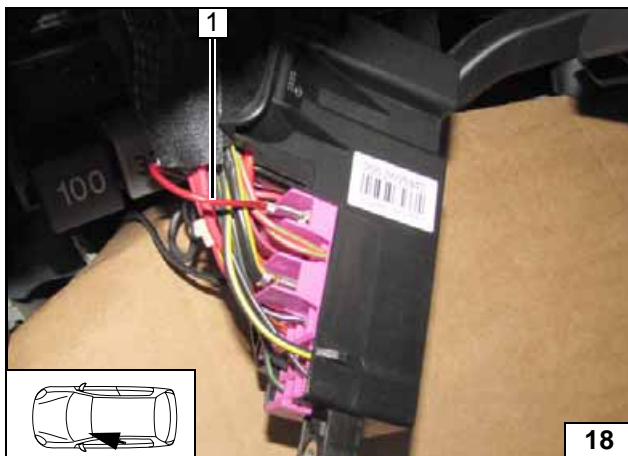


Release lock of fuse carrier **2**. Insert wires into a free fuse socket and connect as shown in wiring diagram. Fuse socket can vary depending on vehicle equipment.



- 1 Red (rt) KS1 wire
- 3 Fuse carrier of passenger compartment
- 4 Wire 1

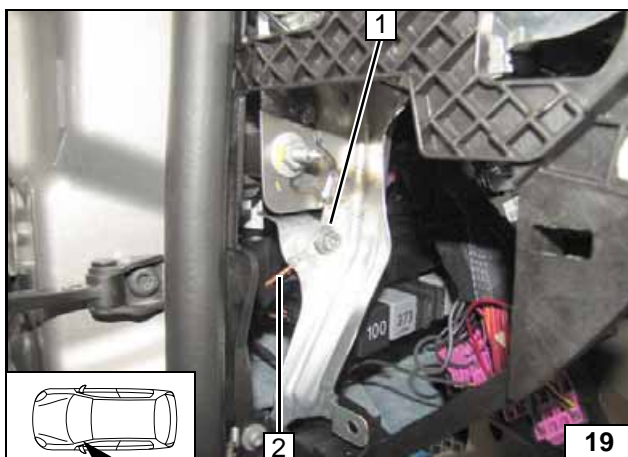
Connecting positive wire



Insert wire **1** into a free socket (+30).



Connecting positive wire

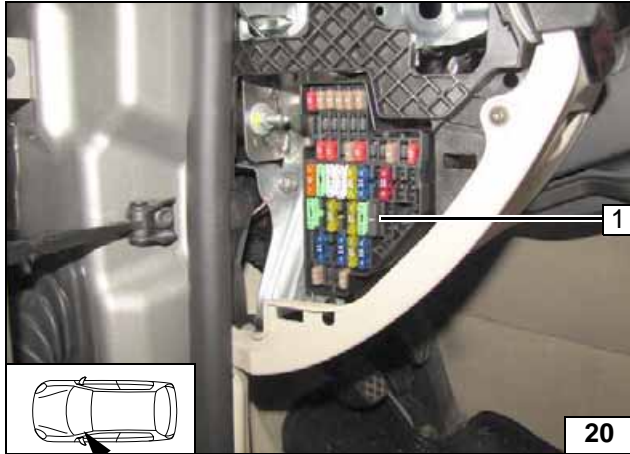


Install fuse carrier.



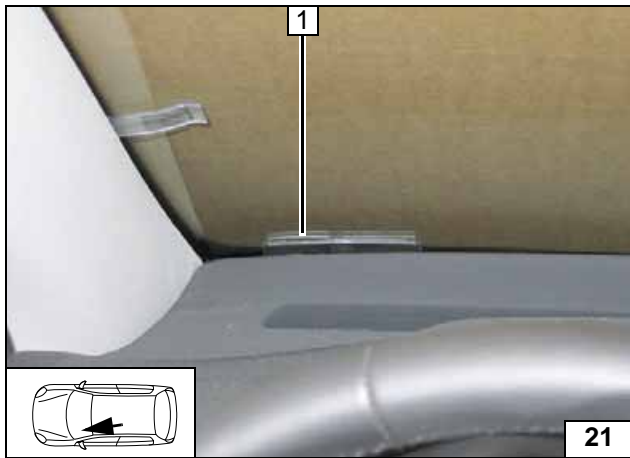
- 1 Original vehicle bolt
- 2 Brown (br) KS2 wire

Connecting earth wire



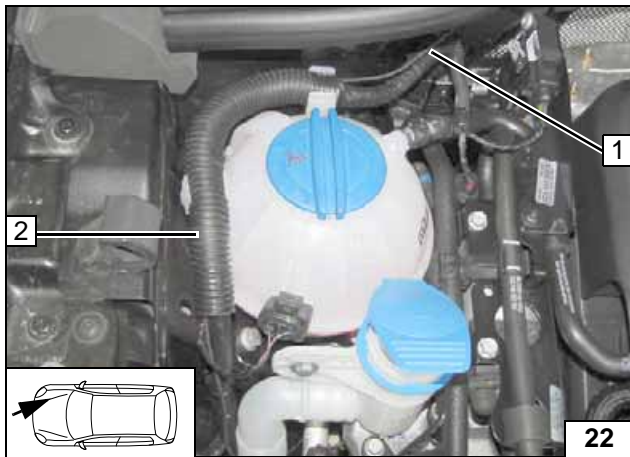
1 Plug in fuse 1A

Installing fuse



1 Antenna

Installing antenna

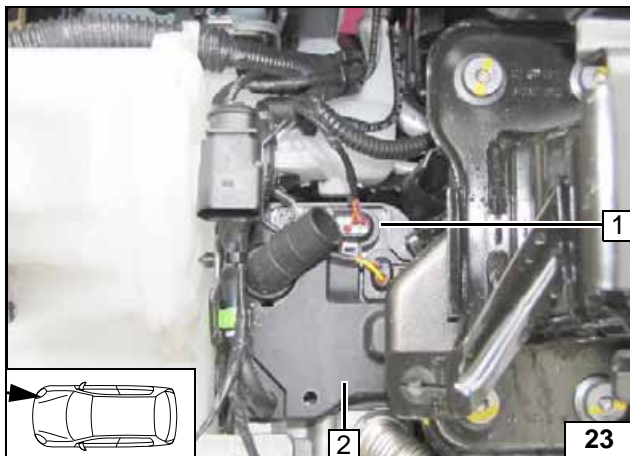


All vehicles

Route yellow (ge) KS3 wire 1 through corrugated tube 2 to heater.



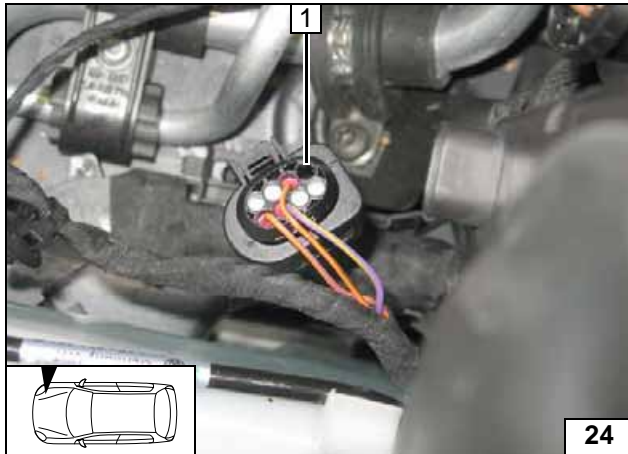
Wiring routing



Pull out connector 1 from heater 2.



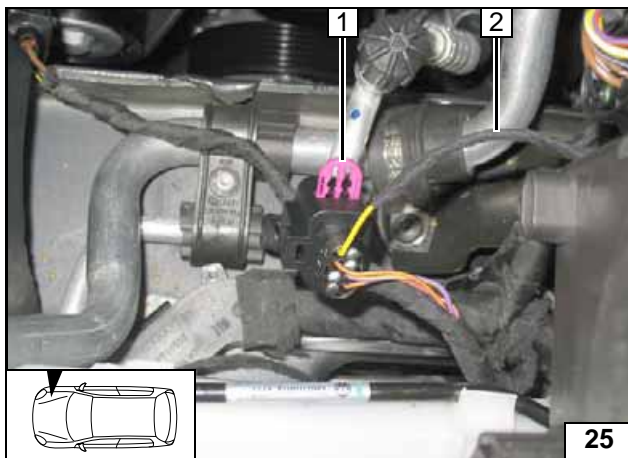
Removing connector



Remove sealing from socket 2 at position 1. Wiring harness of heater routed to the engine compartment for better view.

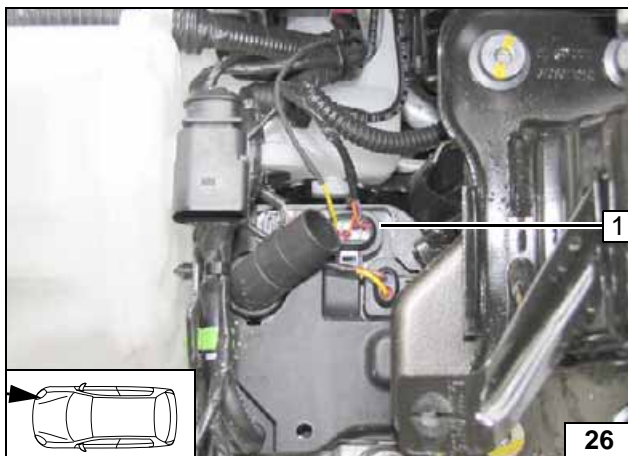


Removing sealing



1 Pull out lock
2 Yellow (ge) KS3 wire in socket 2

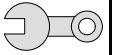
Installing wire



Reinsert lock and mount connector 1 on heater.



Installing connector



Final Work

WARNING!

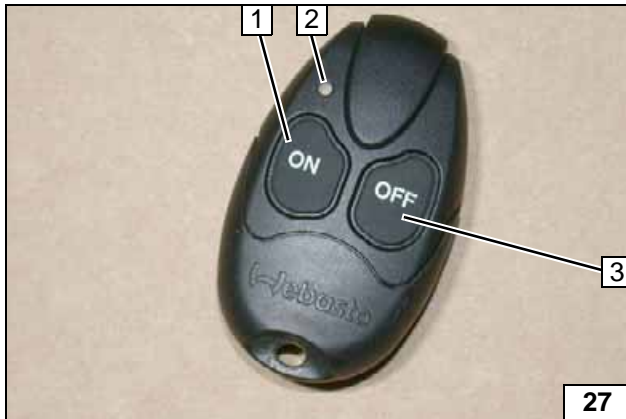
Reassemble the disassembled components in reverse order.
Check all electrical connections for firm seating.
Secure all loose cables using cable ties.

- Connect the battery
- Teach Telestart, see "Operating Instructions for End Customer"
- Encode heater for Telestart with VAS tester under menu option "Guided functions"



Operating Instructions for End Customer

Please remove page and add to the vehicle operating instructions.



Function:

- Start-up
Press the "ON" Button 1 until LED 2 lights up **green**.
- Feedback
If the LED 2 lights up **green** for 2 seconds - the signal of the remote control has reached the receiver. If the LED flashes - change position of transmitter.
- Shut-off
Press the "OFF" Button 3 until LED 2 lights up **red**.

Checking the battery:

On pressing the **OFF** Button 3 or **ON** Button 1 on the receiver, LED 2 will flash briefly.

- In case of constant light-up of LED 2 in **green** or **red** for 2 seconds - the battery is charged and in order. (The heater can be activated or deactivated.)
- If the LED 2 flashes in **green** or **red** for 2 seconds - the battery is charged and in order. (The receiver is too far away or not tuned)
- In case of constant light-up of LED 2 in **orange** for 2 seconds - the battery is nearly depleted and should be renewed soon.
- If the LED 2 rapidly flashes in **orange** for 5 seconds - the battery is depleted and has to be renewed.
- If there is no LED display 2 the battery is empty and has to be renewed.

Teaching (Tuning) the Telestart transmitter:

- Remove 1A fuse (black) from fuse holder. (Voltage interruption of receiver) [Fuse holder on the right next to the glove compartment]
- Wait for at least 5 seconds and reinsert fuse.
- Press the **OFF** button on the transmitter for at least 1 second after about 2 seconds but within 6 seconds.

Note:

The Tuning (Teaching) Process can be repeated at will, the "oldest" transmitter will always be deleted.

Selection of heating duration and parking heating / parking ventilation is to be done in accordance with the vehicle logbook.

We recommend matching the heating time to the driving time. Heating time = driving time

Example:

For a driving time of approx. 20 min. (in one direction), we recommend not exceeding a switch-on time of 20 min.

Handling in case of longer periods of non-utilisation:

In case of longer non-utilisation of the hand-held transmitter, we recommend to remove the battery from the hand-held transmitter to extend its lifespan. (Do not store inside vehicle, but in a dry environment at room temperature.)

Restarting:

1. Insert battery into transmitter battery compartment.
2. Press the **OFF** Button 3 on the transmitter six times at an interval of about 2 seconds for about 2 seconds.
3. Abide by a waiting time of about 2 minutes.

If the hand-held transmitter does not function after restarting, a functional check of the battery (see "Battery Check" section) is to be conducted.



Radio remote control

