

Installation manual

Convertible Top Interface

article-ID 33848



Interface Features

The features of the interface are activated using the same control lever for the outside mirrors. You can select from the following auxiliary functions: **(See page 11)**

- **Convenient One-Touch operation** using the interior button or the remote - fully automated opening and closing.
- **Operate while driving** up to a speed of 40 km/h (25 mph) (adjustable).
- Indication that convertible top is opening or closing by hazard lights (optional).
- All standard safety features remain **unaffected**.
- **Easy installation**

Remote Control:



Press the button on the remote control **three times** (1- second pulse intervals) to open/close the top automatically.

Interior Switch: Push and hold the interior button for approx. **2 seconds** to open/close the top automatically.

Scope of delivery

- 1 X Interface (Driver's door installation)
- 1 X Interface (side panel installation)
- 2 X Wiring Harness
- 3 X Plug Connector

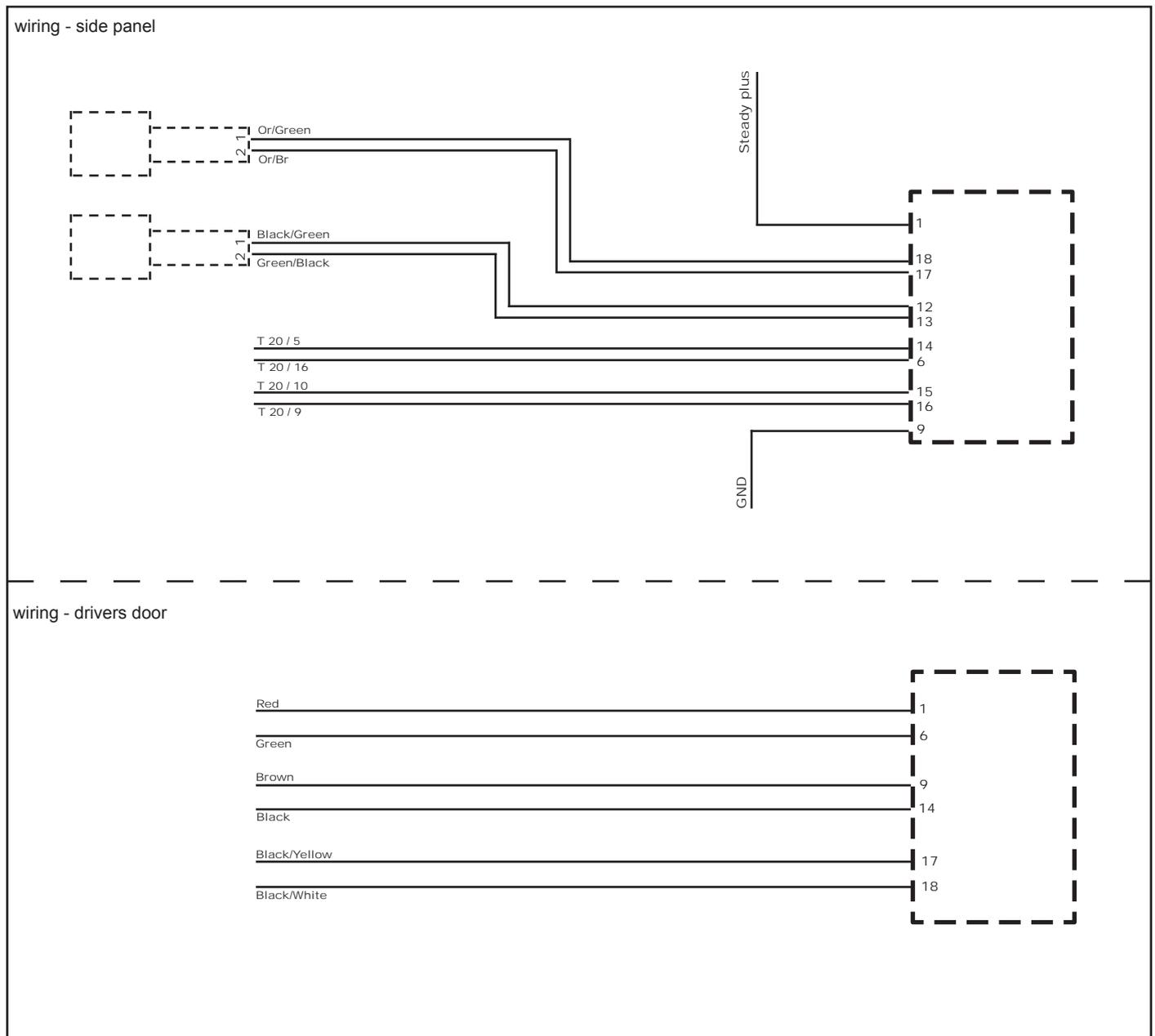
NOTE - BEFORE installation

- Check the door lock top closing function before beginning the installation. Insert the ignition key into the door lock and turn once. Return the keys to the first position and then turn a second time. Hold this position. The top should open or close depending on the direction turned. If this does not occur, your equipment must be coded by the AUDI dealer for this feature! - **Chanel in Address 46 - value needs to be set to 255 - After that close and open the top once again.**
- Clamp the battery before beginning.

NOTE - AFTER installation

- Clear error message 46 and 26.
- To re-initialize, completely roll the windows down and up again.

Diagram of delivered looms



FAQ

The vehicle has not been used for a long time (season). The interface doesn't work any more.

- In case of low battery the Interface switches by reason of secure into standby. In order to wake up the interface again it has to be unplugged and connected again.

It is not possible to control the interface by using the remote.

- The interface has been deactivated by mistake (control lever for the outside mirrors). Please activate it again (See page 11).

safety Instructions

Congratulations to your new convertibal top interface.
Thank you for choosing a product of Kufatec GmbH.

Please take note that the installation can only be done by vehicles which are using a 12V battery. In particular trucks, all-terrain vehicles and commercial diesel cars including taxis are running often with 24V batteries and an installation is not possible in these kind of vehicles.

Take care to ensure no devices are affected or damaged that are relevant to security or safe operation of the vehicle.

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 in appropriate vehicles Kufatec GmbH assumes no liability.

We advise you that these units process data 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 the vehicle Kufatec GmbH assumes no liability.

If the car manufacturer'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.

This interface does not include pinching protection. The user must watch the opening/ closing process at all times to make sure there are no objects or people (in particular children) in the path of the convertible top. If a person is too close, you can stop the process by pushing the button on the remote or by pushing the interior button again. Kufatec GmbH assumes no liability for any damage incurred if these safety instructions are ignored.

Installation instruction

In order to reach the wiring to install the interface, the top needs to be opened. Use the interior switch to bring the top to lower right position (Fig. 1).



Fig. 1

Next, take the seat out of the vehicle by pulling upward (Fig. 2). Remove the screw from the backrest (Fig. 3). Recline the backrest for better accessibility.



Fig. 2



Fig. 3

Remove the interior side panel by pulling from the marked points indicated in Fig. 4. Pull up the rubber door seal from the lining track as well.

Attention: Be very careful when removing the door seal from the lining track. It must be pulled out at a specific angle so as not to cause any damage.



Fig. 4



Fig. 5

Installation instruction

The next step is to remove the 20-pin Red Plug (Fig. 6) from the equipment covering. First unlock the covering. Once unlocked, use the nose of a screwdriver to carefully apply pressure on the back of the plug (Fig. 7) and push the plug laterally from the connector housing (Fig. 8).



Fig. 6



Fig. 7



Fig. 8

As demonstrated in Fig. 9, remove the **Orange/Brown** wire from **Pin 10** and insert into the 2-pin connector of **Pin 2** (Fig. 10). In the same step, remove the **Orange/Green** wire from **Pin 9** and insert into the connector of **Pin 1** (Fig. 11).



Fig. 9

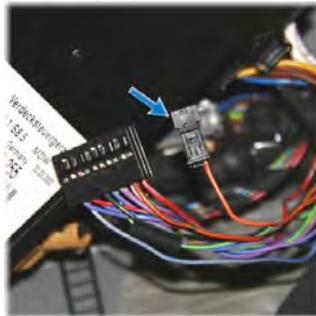


Fig. 10

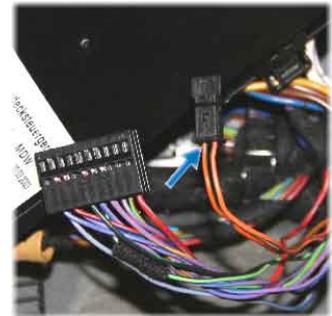


Fig. 11

As shown in Fig. 12, remove the **Green/Black** wire from **Pin 16** and insert into the new 2-pin connector of **Pin 2**. In the same step, remove the **Black/Green** wire from **Pin 5** and insert into the connector of **Pin 1** (Fig. 13). When finished, your plug should look identical to the plug in Fig. 14.



Fig. 12



Fig. 13



Fig. 14

Installation instruction

To verify that the correct four wires were removed from the original plug, use the following list as a guide:

Orange/Brown	—	PIN 10
Orange/Green	—	PIN 9
Schwarz/Green	—	PIN 5
Green/Black	—	PIN 16

The newly formed 2-pin socket plug (from the original plug), shown in Fig. 20, should be connected to the 2-pin connectors for the provided set of cables. Follow the **color identifications** that are printed on the end of each of the cable wires. Create the plug connector, matching the colors as represented in Fig. 15.

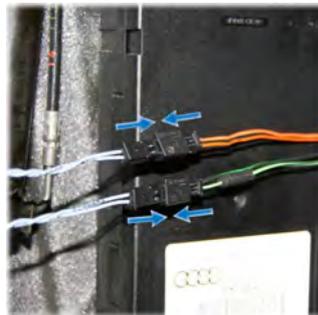


Fig. 15

There are four open spots on the original plug where the **four wires** of the delivered set of cables get plugged into. Infer allocation from the printing on each individual wire. For example, “**T20/16**” indicates that this wire should be inserted into the 20-pin plug in Pin 16 (Fig. 16). Proceed with the twisted bundle of wires, following the same pattern. Pay attention to properly engage the plug contacts. All four wires are integrated into the original plug, which can then be inserted back into the housing and returned to its original spot.

T 20 / 16
T 20 / 5



Fig. 16

T 20 / 9
T 20 / 10



Fig. 17

Installation instruction

To make a suitable bonding, connect the bonding straps of the interface with the ground of the vehicle body. This is located to the right of the plug connectors for the equipment covering (Fig. 18). A supply for **steady plus** is created by making a proper solder joint. Remove a little from the wrap on the Red/Violet cables (second plug from right). The solder joint is created by connecting the positive cable of the interface (Fig. 19) to the Red/Violet cables of the vehicle. After making the connection, use tape to properly insulate the soldered connection (Fig. 19).



Fig. 18



Fig. 19

The wiring for the installation is now complete.

We recommend using the space behind the equipment covering as a good place to store the wiring for the Convertible Top Interface. When moving the cables, be very careful not to squeeze or damage any of the lines. Verify that all lines are connected and secured properly.

Installation instruction driver's side

Use a small screwdriver to apply leverage underneath the trim on the driver-side door to remove it. Be careful not to damage the hooks at the ends of the border while taking the trim off (Figs. 20-22).



Fig. 20



Fig. 21



Fig. 22

Unscrew the 4 screws from the upper door panel (Figs. 23 & 24) and one from the lower edge of the driver's-side door (Fig. 25).



Fig. 23



Fig. 24



Fig. 25

Using a screwdriver as a wedge pry the cover off the mirror triangle from the vehicle (Fig. 26). The screw underneath needs to be removed as well, Fig. 27.



Fig. 26



Fig. 27

Installation instruction driver's side

Lift the window control unit from the door lining (Fig. 28). Make sure to use a soft material as a wedge because harder items may damage the unit. Underneath the hand grip there is a hole. Use a screwdriver to take out the vehicle's control unit. Remove the plug connector from it's housing (Fig. 29). The screw underneath needs to be removed as well (Fig. 30).



Fig. 28



Fig. 29



Fig. 30

The front door lining can now be taken off. For accessibility reasons you need to remove both the Black (Fig. 31) and the Grey plug (Fig. 32). Use the hooks for the Bowden cable on the interior door operating system as a guide. When re-assembling this should point upward. Set the door lining to the side of the work area.



Fig. 31



Fig. 32

Take out the plugs (Fig. 33) from the door and remove approximately 5 cm of the tape. The next step takes place at the back of the connector housing for the 12-pin black plug. After unlocked, apply pressure with the nose of a screwdriver on the back of the housing (Fig. 34) and push the plug laterally out of the connector housing (Fig. 35).



Fig. 33



Fig. 34



Fig. 35

Installation instruction driver's side

Connection for the interface takes place on all **six** wires. The correct wire connections are represented in Figures 36 - 41.



Fig. 36



Fig. 37

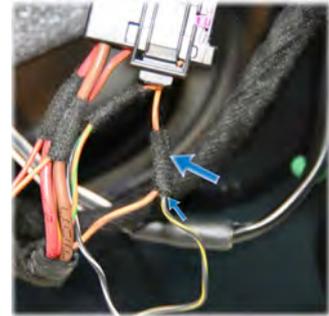


Fig. 38

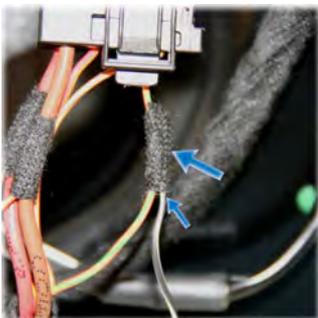


Fig. 39

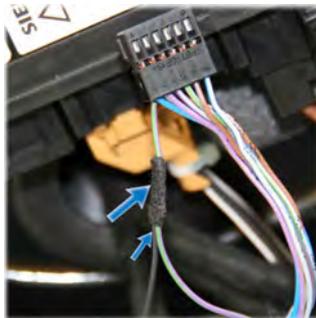


Fig. 40

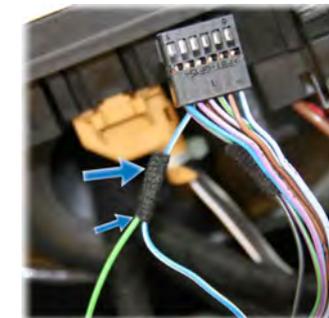


Fig. 41

To ensure a long-lasting safe wire connection, we recommend using a solder joint to fasten the appropriate wires. To create the solder joint, remove a little of the wrap on the correct vehicle lateral wires and connect the interface wires. After the making the soldered connection you need to wrap it with tape to properly insulate it.

current plug 10-pole			current plug 12-pole		
Interface wire	—	Vehicle wire	Interface wire	—	Vehicle wire
Black/White	—	Orange/Green	Black	—	Violet/Green
Black/Yellow	—	Orange/Brown	Green	—	Blue/White
Red	—	Red			
Brown	—	Brown			

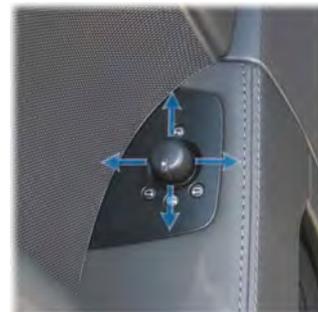
The electrical for the interface installation is now complete!

To avoid rattling noises, securely mount the interface to a safe location in the vehicle. Be very careful not to damage or squeeze any of the wires while moving them. Check all wires to confirm that they are correctly connected and securely in place.

Test the interface to make sure all features are functioning properly before you begin to reassemble the vehicle. To reassemble the vehicle parts that were removed for the installation, simply reverse the order used to disassemble them.

Operating instructions

Press and hold (approx. 5 seconds) the control lever for the outside mirrors in the respective direction to activate or deactivate the various convertible top interface functions. The control lever must originally be in the rest position.



Activate/Deactivate Hazard Lights Mode

- Indication of the opening/closing procedure by the hazard lights.

Activate/Deactivate Convertible Top Interface while Driving

Facelift Model:

- Operate while driving up to speed range of 30-40 km/h (18-25 mph)
- When the maximum speed is exceeded, the opening/closing procedure is briefly interrupted.
- If within 10 seconds, you decrease your speed to the stored range the opening/closing procedure will automatically resume.



Models Prior to the Facelift:

- Operate while driving up to a speed of 40 km/h (25mph).
- When the maximum speed is exceeded, the opening/closing procedure is briefly interrupted.
- If within 10 seconds, your speed drops under 40 km/h (25mph), the opening/closing procedure will automatically resume.



Activation/Deactivation with the Interior Switch

- Activate/deactivate the interface using the standard interior switch.
- Press and hold the button for approximately 2 seconds to automatically open/close the top.

Activation/Deactivation with the Remote Control

- Activate/deactivate the interface using the remote control.
- Press the open/close button **three times** (1-second intervals) to automatically open/close the top.
- To interrupt a started opening/closing procedure, briefly press the button in the opposite direction. The procedure will resume after repeatedly pressing the button in the appropriate direction.

