

Fitting Instructions for BMW E46 Cabriolet Remote Roof Module

Before the Installation:

Please read this guide carefully and take your time with the installation. Incorrect installation of this module can cause damage to the electrics of your car. No responsibility can be taken for neglect of these fitting instructions. This installation should only be carried out by trained personnel.



Note: The fitting of the Remote Roof Module can lead to the expiry of your warranty of your car. The installation and use of this module is carried out at your own risk. Do not open or close the roof if people might be nearby the car. People could be injured through the use of this module.

Note: Do not use a wired soldering iron, as their points are earth grounded. By making a connection between the cars electrics and earth, damage can be caused to the vehicles electrics and the module by balancing currents. No liability can be taken for damage caused in this way.

Functions of the Remote Roof Module:

The installation of this module means that you can open/close the roof by your BMW remote Key. The roof will open if you press the open-button of the remote key three times within 5 seconds. To close the roof operates in the same way: press the close-button of the remote key three times within 5 seconds. The movement of the roof starts 5s after the last press on the button. In case of necessity the opening of the roof can be stopped by pressing the close-button of the remote key. You also can stop the closing by pressing the open-button of the key. You also can close all windows if the roof is closed by pressing three times the close-button.

Installation of the Remote Roof Module:

1. Disconnect the earth lead from the car battery (in the trunk, right side)
2. remove glove box by loosening 6 screws (Fig 1)
3. remove the tray or front panel of the air conditioner. Removing the tray by pulling, the front panel of the A/C can be removed with a small screwdriver (Fig 2/3)
4. remove gearlever ruffle and loosen two screws (Fig 4)
5. shift gearlever frame backwards and loosen two screws (Fig 5)
6. remove central console and connect the module in this way: (see wiring diagram, page 4):
 - a. connect black wire of the module to brown wire of the cigarette lighter
 - b. connect red wire of the module to the red/black/yellow wire of the cigarette lighter
 - c. connect blue wire of the module to the white/red/yellow wire on the connector of the central console (Fig 6)
7. remove middle connector of the body module behind the glove box: press the clip and move the white frame to the right side (Fig 7)
8. remove the housing of the connector, there is one clip on each side (Fig 8)
connect the white wire of the module to the white/black wire (Pin 20) of the connector and the yellow wire of the module to the blue/red wire of the (Pin 22) (Fig 9)
Note: the colours of the wires may appear twice, so please take care of the pin-number (printed on the connector)
9. reconnect the earth cable on the battery
10. the window lifters have to be initialised now: open and close the front windows two times completely. Keep the window switch pressed while opening/closing the windows. After this, the windows must open/close automatically by just one touch on the window switch
11. Adjustment of the module to the cars electronic: Turn both potentiometers (in the wires white and yellow) to that side, where the wire is connected with 2 pins. Turn the potentiometer in the white wire stepwise back until you can open the roof via remote key. Then turn the potentiometer in the yellow wire stepwise back until you can close the roof via remote key
12. stow the module away and fix it with some tape or cable fastener. Re-assemble everything in the reverse order that they were removed.

Installation of the module:

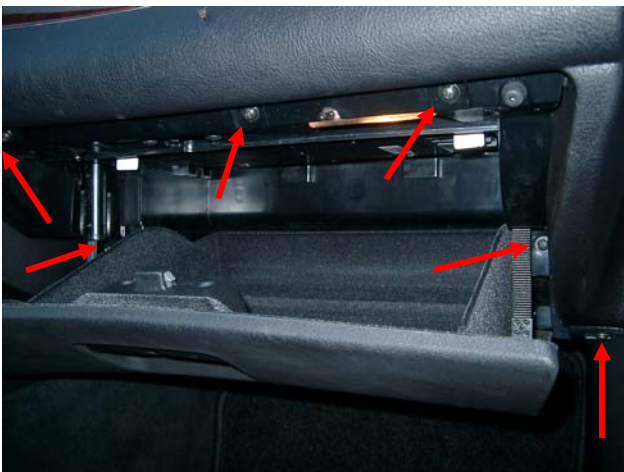


Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

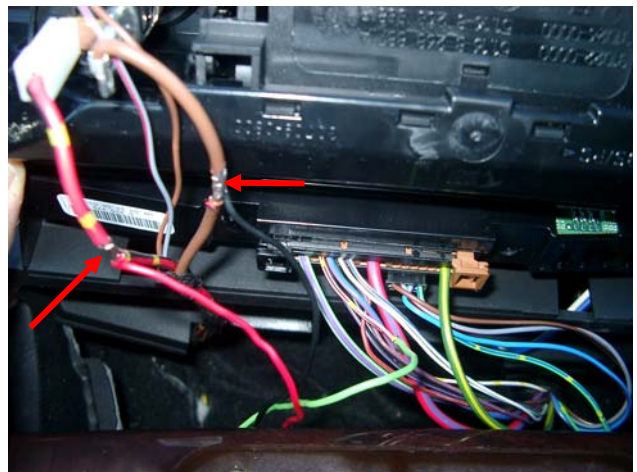


Figure 6

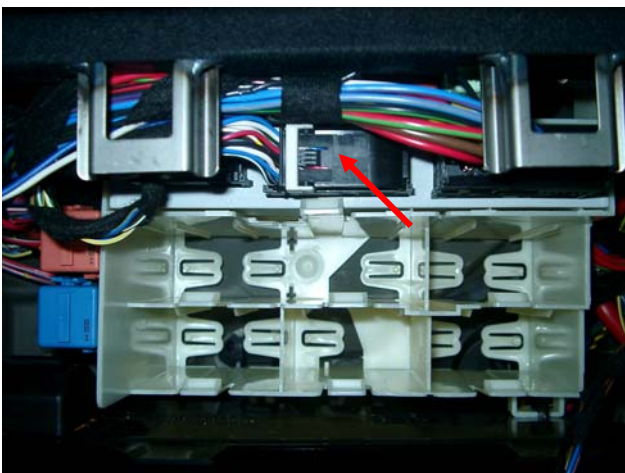


Figure 7



Figure 8

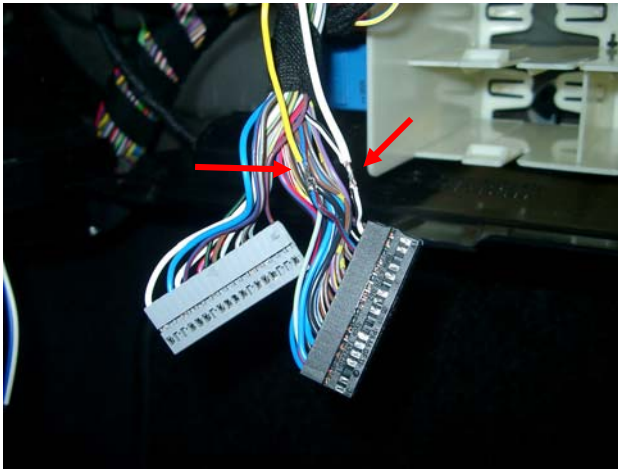
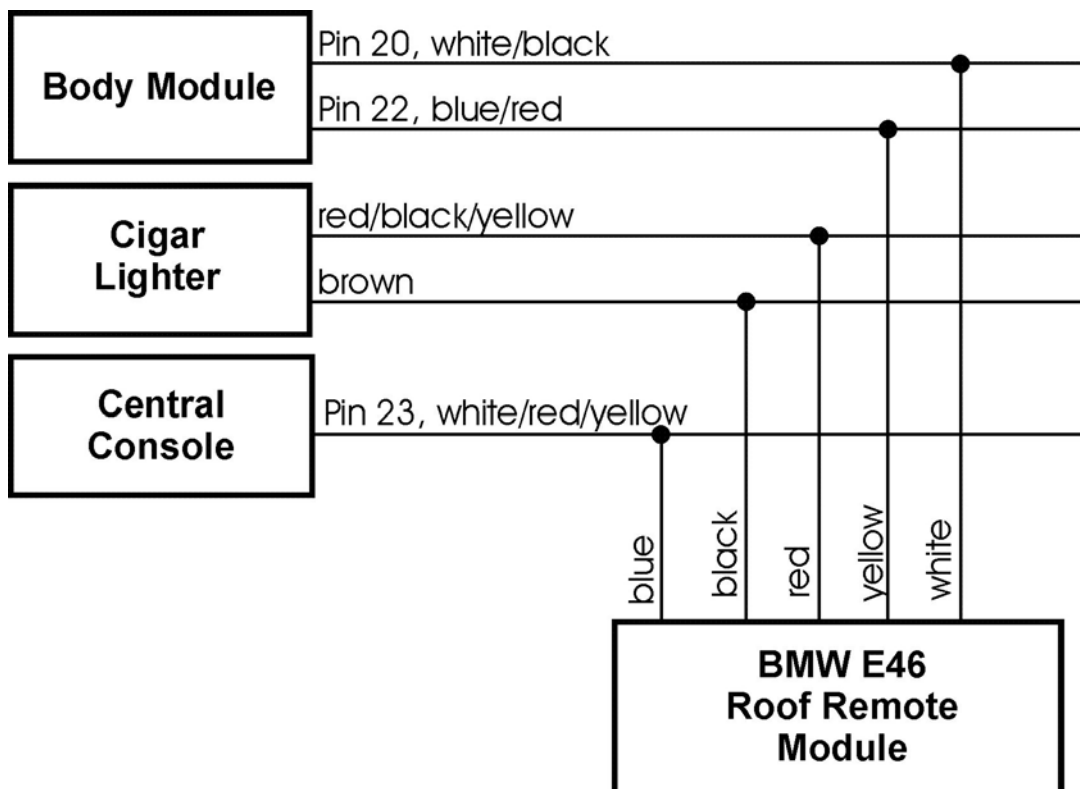


Figure 9



Wiring diagram of the roof remote module
 wire labeling: white/black -> white wire with black stripe

Technical data for the module:

- Operating Voltage: 7-17V
- Power Input: 4mA
- Dimensions: 40mm x 40mm x 20mm