

Installation and Operation Instructions

Comfort Module

Audi A3 8P Convertible

Audi TT 8J Roadster

Before installation:

Please read these instructions carefully and take your time with the installation. Performing the installation improperly can cause damage to the module or to electronic components in your vehicle. Claims cannot be asserted for consequences which arise out of disregard for these installation instructions. If you are not confident in doing the installation yourself, please obtain the services of a vehicle specialist.



Attention: Installation of this module may be grounds to invalidate your vehicle's homologation (general type certification) and/or its manufacturer's warranty. Do not operate the convertible top without the presence of another person – there is no entanglement protection. The installation and operation of the module is at your own risk.

Functional description:

The module only uses functions which were originally built into the vehicle. All data relevant to convertible top control (e.g. limit switches, window position, speed) will be continuously monitored. All OEM safety functions (under / over voltage cut-off, thermal protection, etc.) remain intact.

The module's functional scope and operation:

- **Tap function for the top's switch:**

Now you need only to tap (>2s) with your finger on the convertible top switch, then the top will automatically open or close. This automatic operation can be interrupted at any time by simply tapping on the switch again in the opposite direction. When the top switch is tapped again in the same direction while the roof moves, the windows will stay open at the end of the roof movement. You can start the top's operation, pull out the ignition key, get out of the car and lock it – the top will continue to automatically close or open without the ignition.

- **Operating the top while driving up to a speed of 60 km/h maximum:**

The speed limit for top operation is set to 60Km/h.

- **Operating the top per OEM remote control:**

Press the open switch on the remote control >3s and the top will open automatically. Closing the top works in the same way except that the close button on the remote control is used. As a safety precaution, opening the top can be terminated with the close button or closing the top can be terminated with the open button.

You can start the top's operation, start the engine and drive away while the top is still moving – it will continue the movement until it's opened/closed completely.

- **Operating the windows per OEM remote control:**

When top is closed and windows are still open they can be closed by a >3s press on the close button of the OEM key (same command as for closing the top by remote).

- **Battery Safe Function:**

The module will go to power down mode automatically when it is not needed. It will then consume less than 0,2mA – that means that the battery will not be discharged by the module.

- **Service mode for technical vehicle inspections and diagnostic purposes:**

Change to service mode:

Turn ignition on and press the central lock button at the drivers door for >5s: an acoustic signal will state that the module is "locked" – that means in workshop mode and behaves as it wouldn't be installed. You even won't find it with car diagnostic test equipment.

Change to normal mode:

Turn ignition on and press the central unlock button at the drivers door for >5s: an acoustic signal will state that the module is "unlocked" – that means all functions mentioned above are available now.

NOTE: when the module is installed the first time or battery was removed it will be in service mode



Attention: When visiting workshop it is recommended to remove the module, because the manufacturer's warranty could be affected.

Installation of the module:

turn off ignition and pull out the key

location top control unit	
Audi A3 8P Convertible	in the trunk behind the left side cover (Picture 1 + 2)
Audi TT 8J Roadster	in the trunk under the floor



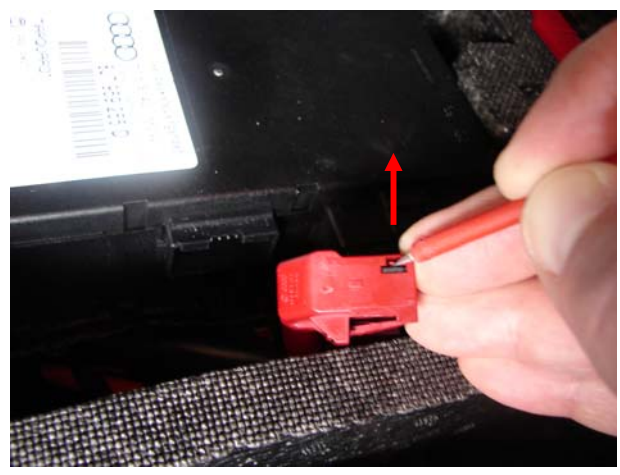
Picture 1: open the trunk and remove left side cover



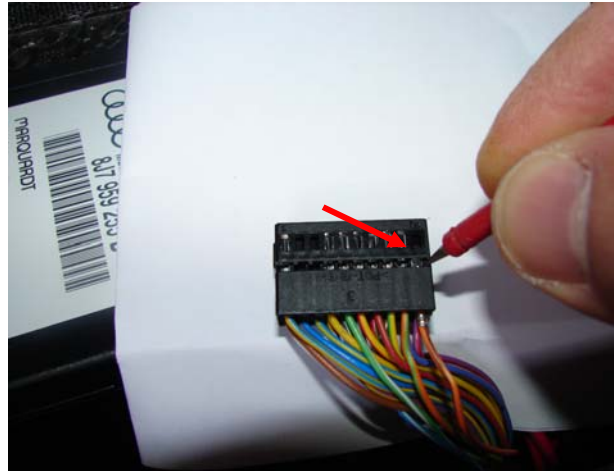
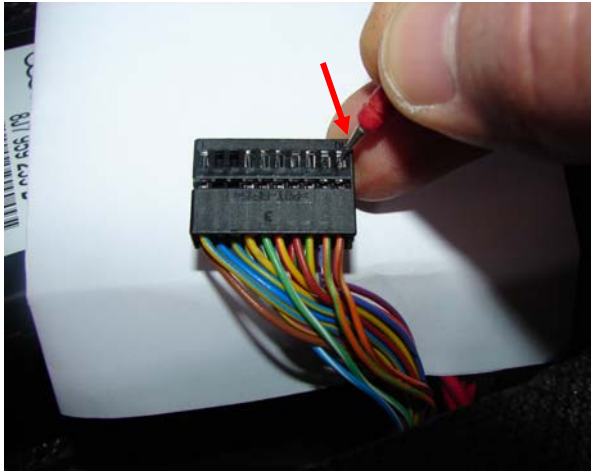
Picture 2: loosen two screws to remove the top control unit (2 nuts, see red arrows)



Picture 3: remove the red connector: pull down the latch (red arrow), then plug it out

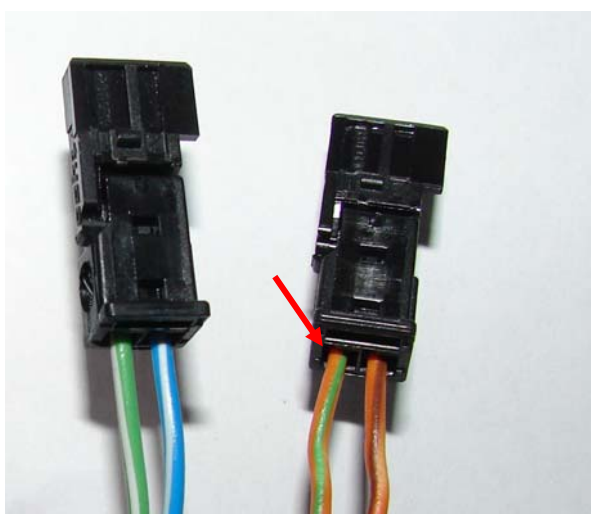


Picture 4: remove red cover of the connector, use e.g. a small screwdriver to unlock the cover. The locking stud must be pressed in the arrows direction.



Picture 5/6: pull out the orange/brown (Pin 10) and orange/green (Pin 9) wire. Push down the latch using e.g. a small flat screwdriver, pull out the wire a bit (left picture), then push down the latch again and pull out the wire completely (right picture). The numbers of the Pins 1, 10, 11 and 20 are stamped on the connector (see picture 8).

Remove the green/white (green with white stripe, Pin 5) and blue/white (blue with white stripe, Pin 16) in the same way.

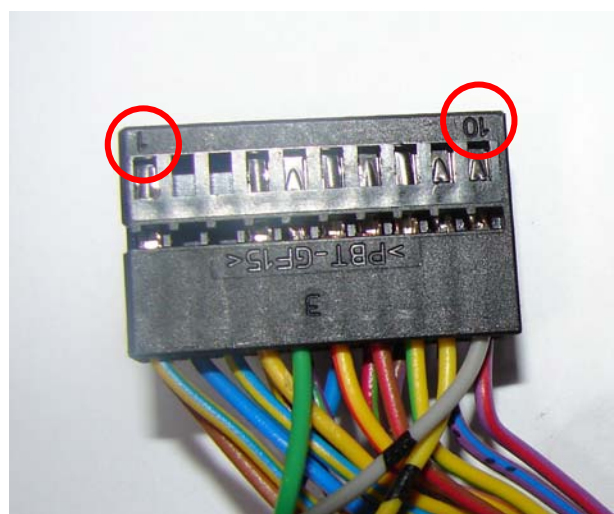


Picture 7: plug the removed wires into the 2-pole connector housings:

2-pole connector 1: orange/green -> Pin 1 (arrow)
orange/brown -> Pin 2

2-pole connector 2: green/white -> Pin 1
blue/white -> Pin 2

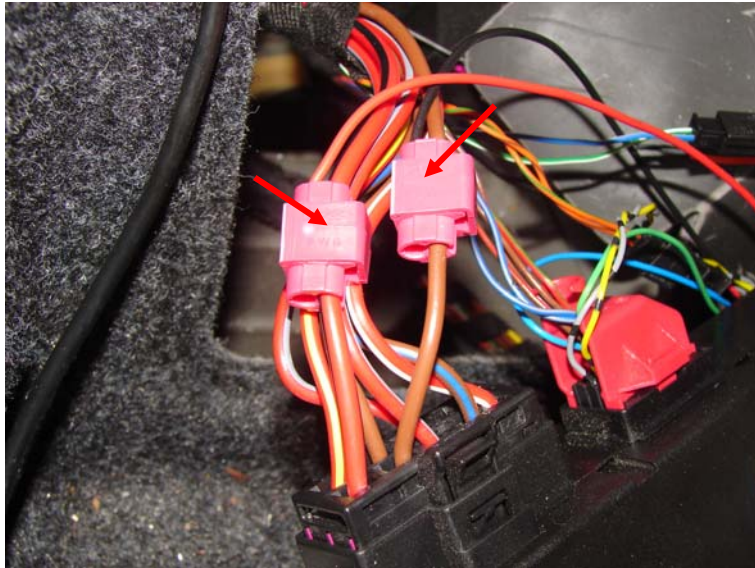
The both 2-pole connectors must be plugged to the module: connect the wire pairs green and blue to green/white and blue/white. The wire pairs red/black and grey/black will be connected to orange/green and orange/brown. Take care that the blue wire will lead to the blue/white wire and the red/black wire leads to the orange/green wire.



Picture 8: plug the 4 wires with crimp contacts on it into the connector on the places where the other wires were removed:

Pin 9: yellow/black
Pin 10: grey/black
Pin 5: green
Pin 16: blue

Be sure that the crimp contacts are inserted correctly, they must snap hearable.



Picture 9: power connection:
Connect the both wires red and black of the module to the wiring of the black connector on the top control unit. Use the crimp connectors:

Module	top control unit, black connector
black (GND)	brown (Pin 4)
red (+12V)	red/black (Pin 5)

To achieve optimized crimp connection: strip the black and red wire at the module about 2cm, bend it so that the wire diameter is doubled before crimping it. Use a combination pliers to push the metal bar down.

Test the module:

Turn ignition on and set the module to normal mode (press the central unlock button at the drivers door for >5s until an acoustic confirmation is sounded), then operate the top by the top switch inside the car. If you release the top switch the top should continue moving.

Troubleshooting:

Description of error	Error cause
Error message in the dashboard	<ul style="list-style-type: none"> • Module has no power • Faulty crimp connection • Check wiring shown in picture 5-8
Top can't be opened/closed	<ul style="list-style-type: none"> • Module has no power • Faulty crimp connection • Check wiring shown in picture 5-8
Trunk won't open	<ul style="list-style-type: none"> • Module has no power • Faulty crimp connection • Faulty CAN-connection, check wiring Picture 7/8
Top is working, but the modules functions are not present	<ul style="list-style-type: none"> • Module is in service mode -> see page 2