

mods4cars

INSTALLATION MINI R57 MK II Convertible

smartTOP



STLFBW4

Comfort Roof Control Module for

- Mini Cooper Mk II (R57)
- BMW 1 Series Convertible (E88)

v1

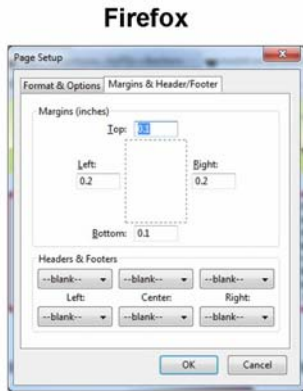
Further information and manuals for all products can be found on our web site

www.mods4cars.com

We explicitly point out that all functions of this control unit should be used only while exercising caution and responsibility. We can NOT be held liable for any damage or injury caused by installing or using this product.

PLEASE READ THE COMPLETE MANUAL CAREFULLY BEFORE USING THIS PRODUCT.

Important Information. READ BEFORE INSTALLING!



PRINTING THIS MANUAL

This manual is designed to produce completely filled pages. In order to get best print results, simply set the borders to minimum settings in the browser's page setup menu and disable headers and footers.

Activate the print preview and if necessary use zoom level 95% or 90% until all pages are shown correctly.

ALL IMAGES CAN BE CLICKED FOR FULL SIZE in the browser.



TROUBLE SHOOTING - NEED TO CONTACT US?

If you run into any problems after installing the module, please go over the manual again in great detail, clicking every photo for full size! We now have a full Knowledge Base with Support Ticket system available online at www.mods4cars.com/support

If you need to contact us, the best and fastest way to do so is by [opening a support ticket there](http://www.mods4cars.com/support)

EXTREMELY IMPORTANT: In order to avoid problems with diagnostic tools and to avoid confusion or injury by unexpected features or functionality we urge you to **ALWAYS DISABLE** the module before taking the car to a shop or lending it to anyone! If problems arise while the module is installed that might be related to our product, **ALWAYS** contact Mods4cars directly first and enter a support ticket at www.mods4cars.com/support. **NEVER** take the car to a dealer without getting support first!



This module comes with our USB Field Upgrade and Configuration Port! BEFORE YOU INSTALL, we encourage you to connect the module using the supplied USB cable and check for firmware updates. All information and software regarding this new feature can be found at www.mods4cars.com/usb. You can even configure and activate your favorite module functions and settings on screen before the module is installed in the car! It is also possible to permanently install the USB cable with the module in the car, leaving the computer end in an easily accessible spot for later use with a Wifi laptop.



The green DATA LED signals a correct installation and shows the status of the module.

LED OFF

- Ignition OFF: CAN bus and module are in low-power standby mode. This is normal.
- Ignition ON: Either power connection or CAN bus connection is interrupted. Check the two wire taps for power and ground as well as the CAN connectors. Also make sure the CAN polarity is correct.

LED either dimly lit or flickering erratically

- A dim or flickering LED is an indicator for interrupted or missing POWER or GROUND connections. The module will get some leakage current from the CAN bus which causes the LED to stay dimly lit or flicker erratically. See previous paragraph about wire taps if applicable!

LED permanently ON

- Module is connected to CAN and power, but does not receive the correct data. Recheck all connections thoroughly. A VERY COMMON source of problems is reversed polarity on the CAN wires. Double-check the POLARITY and wire-colors of all connections!

LED blinks

- CAN bus is active, the module is connected correctly and ready for use.

Installation - Steps 1-3

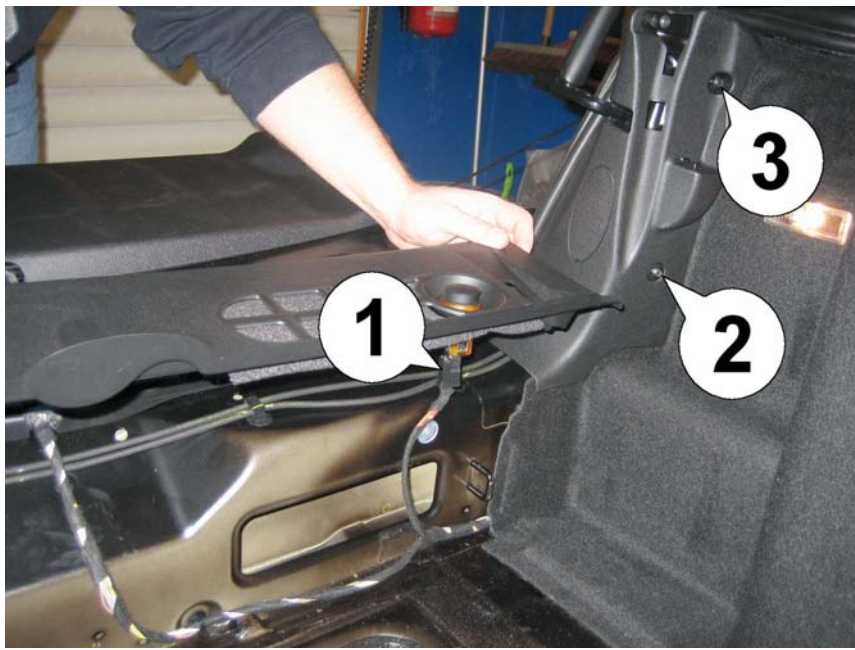


1. Turn ignition off and pull key before installing! Open trunk lid, lift up top mechanism to gain better access. Fold down back seats and remove trunk bottom piece. Remove two plastic rivets with safety pins (1). One is in the middle of the carpeted side piece, the other is normally obscured by the right seat's back rest.

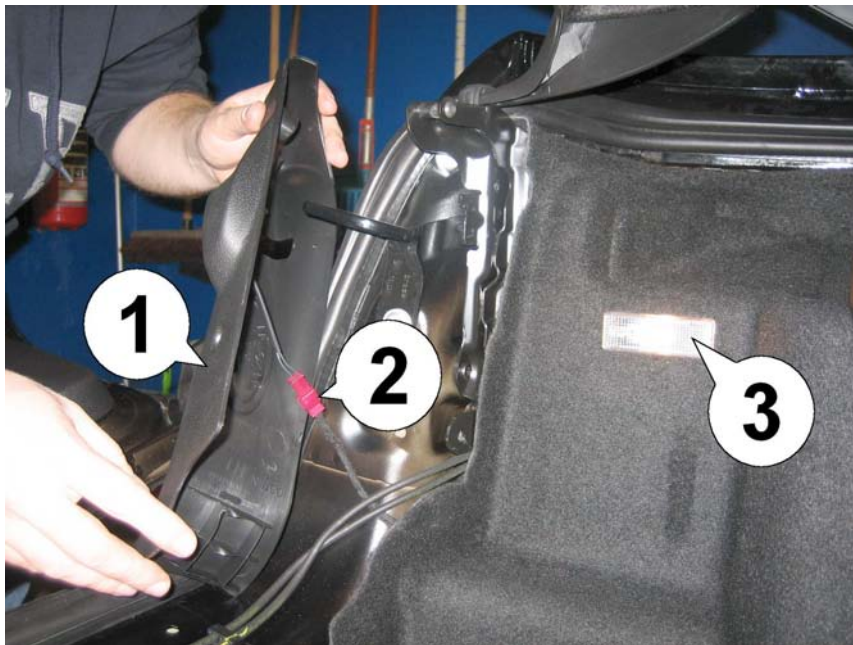


2. Now the camera is inside the car, pointed toward the back. Remove the three rivets on the bottom of the back wall.

3. Pull hard forward and up to remove plastic wall piece. Disconnect 12V connector (1). Now remove both torx screws (2) and (3).



Installation - Steps 4-6



4. Remove side piece (1). Leave the red connectors (2) connected and lay the plastic piece on the tail gate. Pull gently on the light fixture (3). It is only snapped into place.

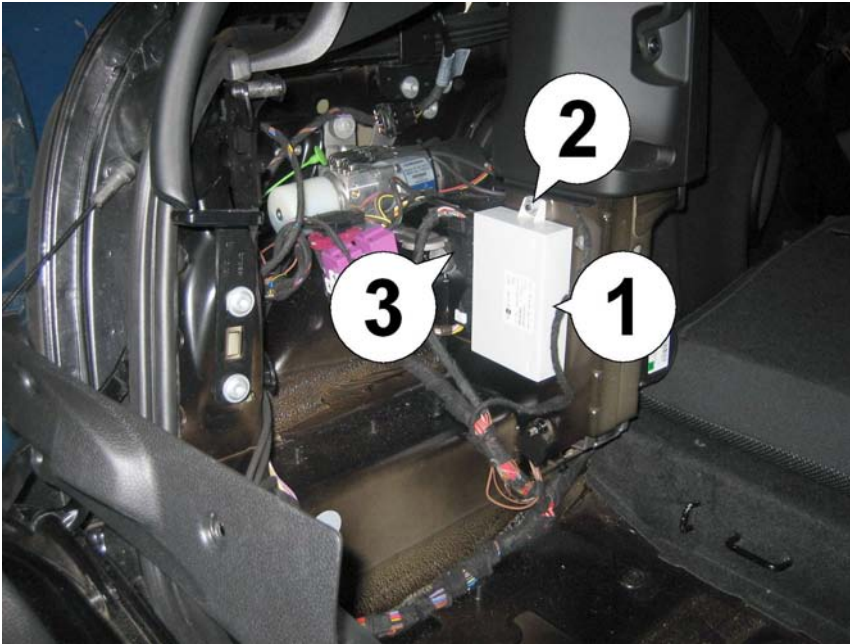


5. Disconnect the plug (1) from the lamp socket.

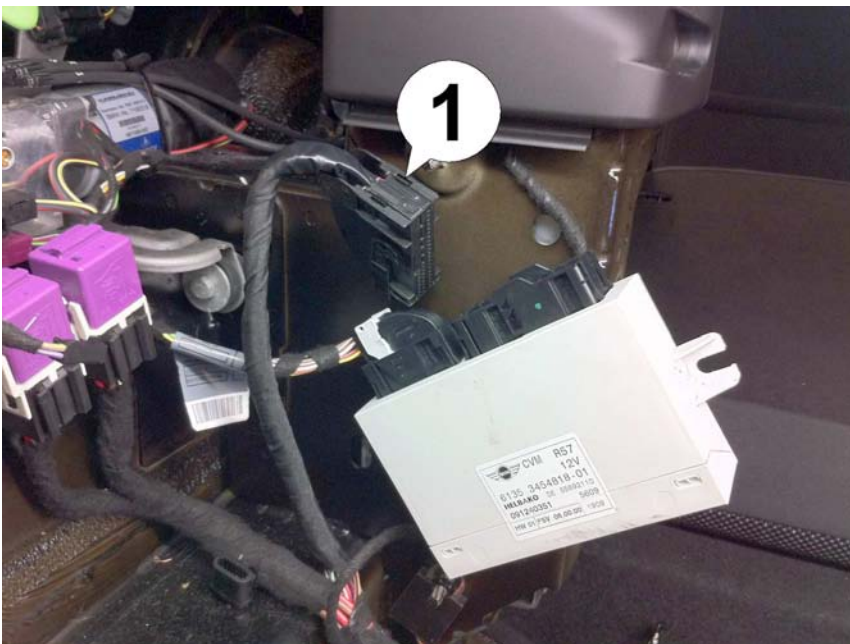
6. Remove the carpeted lid (1) right above the trunk light and free the green emergency release (2) from the wall piece (there is a slot in the front). Then take the entire carpeted wall part out.



Installation - Steps 7-9

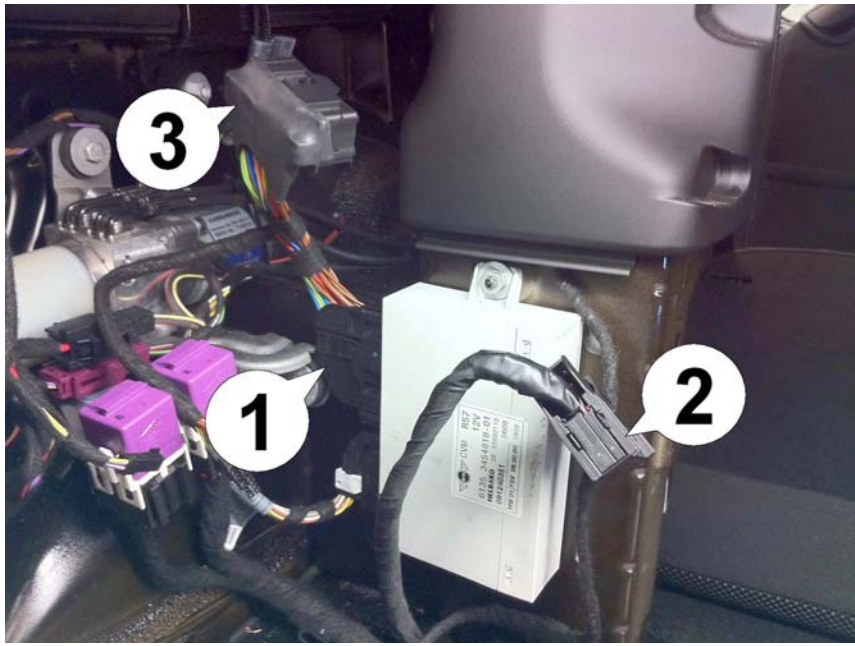


7. The white box (1) is the convertible top controller. Remove the nut (2) on the top and loosen the one on the bottom, then tilt the box sideways to get to the large black connector (3). Push in the locking tap on it's top while pushing the locking lever over to release the connector from the control unit.



8. Unplug the large black connector (1) from the top controller.

9. Install the supplied wiring harness by first plugging the corresponding plug (1) into the socket on the top controller. Make sure the latch lever locks it into place. Connect the original plug (2) to the socket on the wiring harness (3) and also make sure the lever locks into place. Reattach the top controller with the two nuts.



Installation - Steps 10



10. Connect the SmartTOP module to the plug on the harness. The green LED on the module should light up briefly (module starts up) and after a quick tap on the unlock button on the remote, should blink in a regular pattern (data bus activity). We recommend leaving the USB cord connected to the module and accessible for later firmware updates or easy module configuration with a laptop.