

Installation guide



for the following LEIB CAN modules (only BMW F models of the 1 - 2 - 3 - 4 series):

- LEIB CAN EXHAUST BASIC
- LEIB CAN EXHAUST LITE
- LEIB CAN EXHAUST PRO
- LEIB CAN DIESEL
- LEIB CAN DELETER
- LEIB CAN START STOP

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Preliminary work before installation

The LEIB CAN module will be mounted at the Front-electric-module (FEM) in the floor room at the passenger's side. To avoid fault code, please guarantee that the battery is disconnected after the bus system of the car is sleeping. For this purpose, please switch off the ignition and wait until the red control light of the push-button for the warning light system finally disappeared.

Installation

First of all, remove the lower cover of the glove box. For this remove the metal screws and disconnect the electrical connections (Figure 1). Next remove carefully the skirting board on the passenger's side. All clips which have remained should be removed properly out of the body with a suitable tool. The next step is to remove the paneling of the legroom on the passenger's side.

Just remove here the paneling on the right side by pulling it out – be careful to avoid tearing the clips.



Figure 1 – Lower cover of the glove box

After removing the paneling, you need to remove the cover of the FEM by taking out the black protection profile from plastic. Just unscrew the safety screw and subsequently unclip it, like shown in figure 2.



Figure 2 – Front-electric-module (FEM)

Now you can start with connecting by cable at the LEIB CAN module. Remove the corresponding plugs. All single pins of the plugs must be removed and plugged in again with aid of a pointed tool. The removed pins of the BMW plugs must be plugged in the Y-harness of the LEIB CAN module.

Following pins had to plugged out and in (Figure 3):

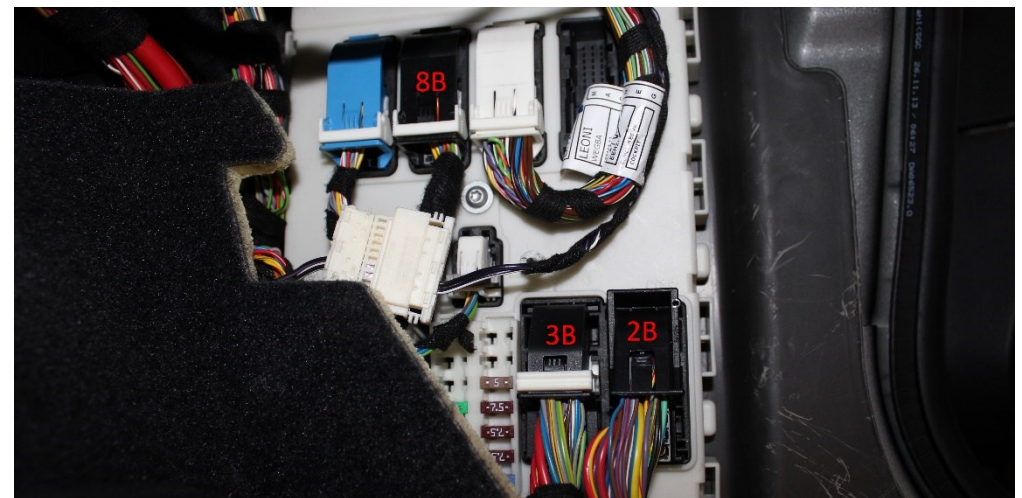


Figure 3 – Front-electric-module (FEM) connections plug arrangement

1. Disconnect PIN 31 (red) from **BMW connector 3B** and insert into the first, supplied 3-pin housing in PIN chamber 1. PIN (red) of the LEIB harness into PIN chamber 31 of the **BMW connector 3B**.
2. Disconnect PIN 13 (green/red) from **BMW connector 2B** and insert into the first, supplied 3-pin housing in PIN chamber 2. PIN (green/red) of the LEIB harness into PIN chamber 13 of the **BMW connector 2B**.
3. Disconnect PIN 24 (brown) from **BMW connector 3B** and insert into the first, supplied 3-pin housing in PIN chamber 3. PIN (brown) of the LEIB harness into PIN chamber 24 of the **BMW connector 3B**.
4. Disconnect PIN 46 (grey) from **BMW connector 8B** and insert into the second, supplied 3-pin housing in PIN chamber 1. PIN (blue/red) of the LEIB harness into PIN chamber 46 of the **BMW connector 8B**.
5. Disconnect PIN 45 (blue) from **BMW connector 8B** and insert into the second, supplied 3-pin housing in PIN chamber 2. PIN (red) of the LEIB harness into PIN chamber 45 of the **BMW connector 8B**.
6. Disconnect PIN 53 (yellow) from **BMW connector 8B** and insert into the second, supplied 3-pin housing in PIN chamber 3. PIN (yellow) of the LEIB harness into PIN chamber 53 of the **BMW connector 8B**.

Now you have to connect the both plugs (Figure 4). The control unit of the LEIB CAN module could be fixed with the supplied cable ties in a suitable place. The installation of the removed parts is done in reverse order.

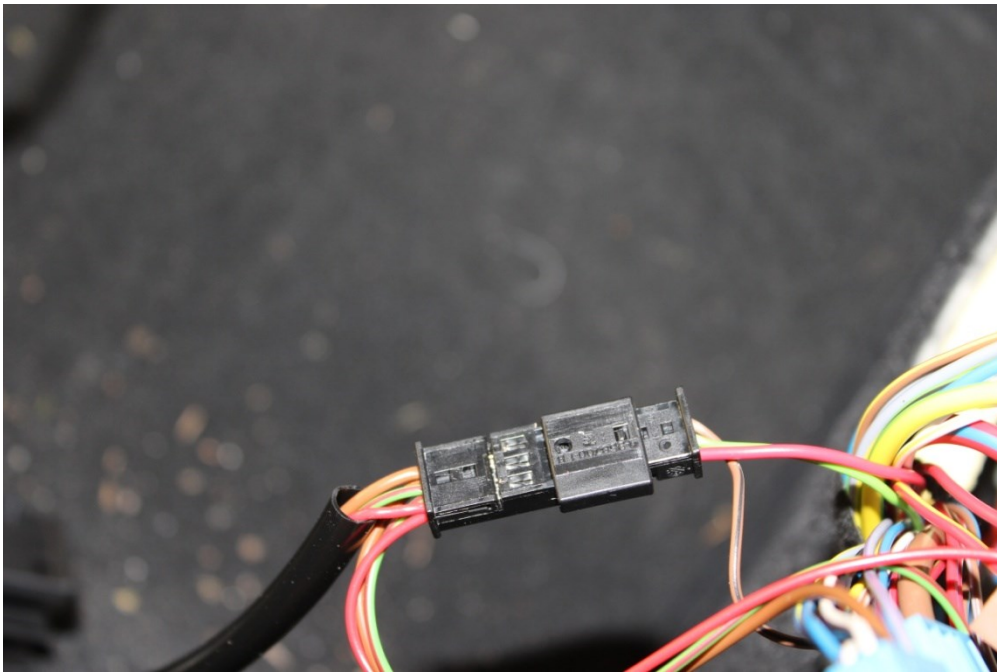


Figure 4 – Connect plugs

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