

Installation guide



for the following LEIB CAN modules (only BMW F models of the 5 - 6 - 7 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 Central-gateway-module (ZGM) 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 at the driver's side. For this remove the metal screws and disconnect the electrical connections (Figure 1). Next remove carefully the skirting at the transmission tunnel on the driver's side. Just remove the skirting by pulling it out in driving direction – be careful to avoid breaking the guide angles. All clips which have remained should be

removed properly out of the body with a suitable tool and should be integrated in the skirting before mounting it again.



Figure 1 – Lower cover at the driver's side



Figure 2 – Skirting at the transmission tunnel at the driver's side

Now you can start with connecting by cable at the LEIB CAN module. Remove the corresponding plug. 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):

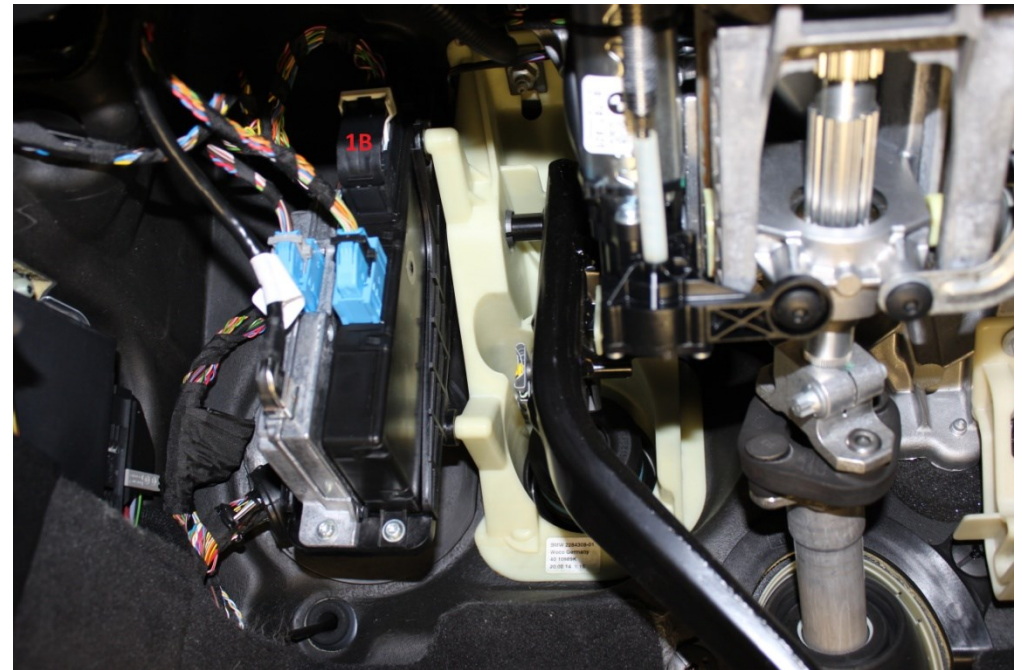


Figure 3 – Central-gateway-module (ZGM) connections plug arrangement

1. Disconnect PIN 39 (red/blue) 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 39 of the **BMW connector 1B**.
2. Disconnect PIN 42 (green/red) from **BMW connector 1B** and insert into the first, supplied 3-pin housing in PIN chamber 2. PIN (green/red) of the LEIB harness into PIN chamber 42 of the **BMW connector 1B**.
3. Disconnect PIN 19 (brown/black) from **BMW connector 1B** and insert into the first, supplied 3-pin housing in PIN chamber 3. PIN (brown) of the LEIB harness into PIN chamber 19 of the **BMW connector 1B**.
4. Disconnect PIN 44 (grey) from **BMW connector 1B** and insert into the second, supplied 3-pin housing in PIN chamber 1. PIN (blue/red) of the LEIB harness into PIN chamber 44 of the **BMW connector 1B**.
5. Disconnect PIN 45 (blue) from **BMW connector 1B** 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 1B**.
6. Disconnect PIN 41 (yellow) from **BMW connector 1B** and insert into the second, supplied 3-pin housing in PIN chamber 3. PIN (yellow) of the LEIB harness into PIN chamber 41 of the **BMW connector 1B**.

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.

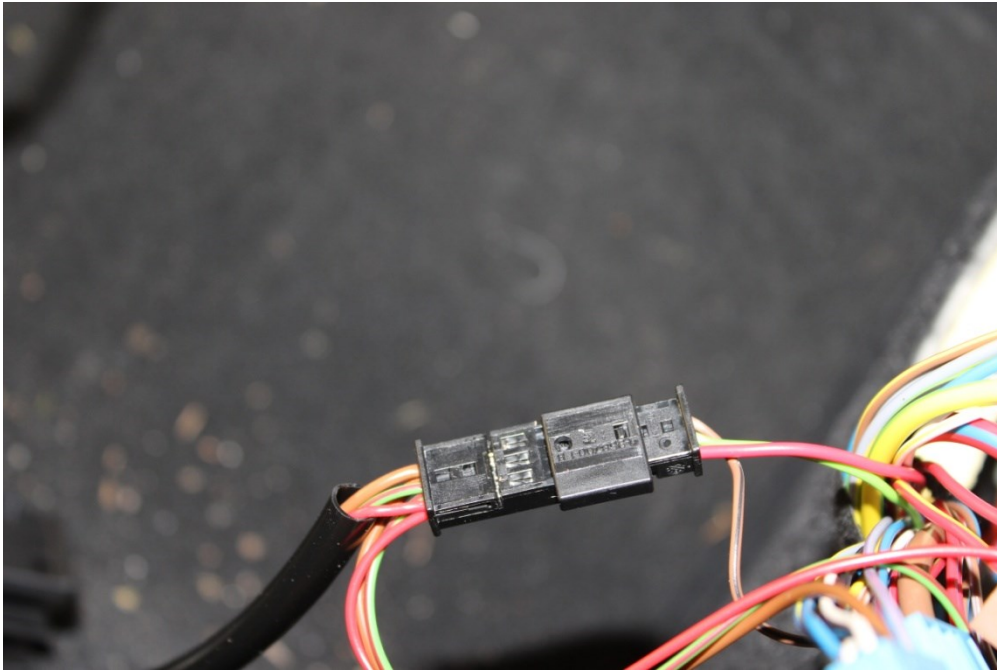


Figure 4 – Connect plugs

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