

BCI-BYD instructions

For connecting a BCI-BYD to the Right Domain vehicle terminal network to obtain the extended CAN-ID for vehicle speed

Supplies

- BCI-BYD
- Two terminals (TE Connectivity model 5-2435200-1, 5-928999-1, 928999-1 or 144969-1)
- Resistor 120 Ω

Preparations

Check if the Right Domain software version is V1.9.9. or higher. If not, the vehicle must complete an OTA upgrade of the Right Domain software version. The OTA process takes around 30 min. *Make sure the vehicle is connected to a Wifi network!*

You may find this frame when you turn on the ignition:



Or click on the central screen to check the OTA package:

English	Vehicle Settings → System → Software Update (or System Update) → Check for Updates
Deutsch	Fahrzeugeinstellungen → System → Software-Update (oder Systemaktualisierung) → Nach Updates suchen

As soon as the update process is successfully completed, a pop-up will appear:

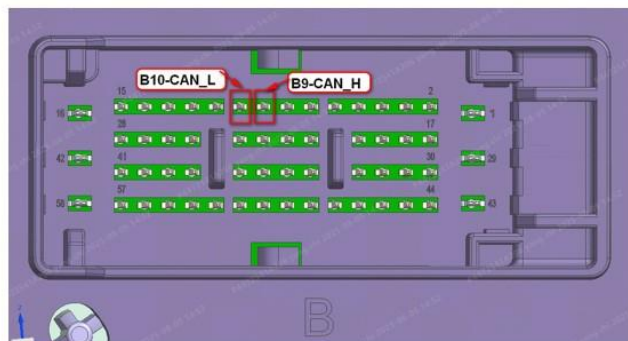


Installation of the BCI-BYD

1. Scan the QR-code on the BCI-BYD and read the manual before you continue.
2. Remove the lower panel under the glovebox on the passenger's side to expose the Right Domain. Locate connector B in the left top corner.



Right domain connector B: B9&B10.
B9 is CAN-H and B10 is CAN-L.



3. The CAN signal pinouts of the Right Domain are: B9 (CAN High) and B10 (CAN Low). Connect a terminal to both CAN inputs of the BCI-BYD and place it in the correct positions in connector B.
4. The 120Ω termination resistor needs to be paralleled between CAN High and CAN Low.
5. Provide the BCI-BYD with a reliable ground and a continuous power supply.
6. Check the proper functioning of the BCI before reassembling parts:
 - a. Turn on the ignition for at least 20 sec.
 - b. After that the POWER-LED, CAN-LED and COM-LED must be on.
 - c. Check if a vehicle speed signal is coming from the blue wire of the BCI-BYD.
7. Turn off the ignition when everything is working properly and reassemble all parts in their original places.