

Hirschmann Koxha

P-Bus Trionic 7



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PREPARATION

Before the T7 can be read out or written to with a TrionicCANFlasher compatible interface, the so-called P-Bus is required.

This is a particularly fast communication bus that is also used by systems such as the ESP.

Stable communication with the engine control unit is not possible without this bus. The subsequent relocation of this is necessary for all 9-3I and 9-5I before 2006/2007.

MATERIALS

- Pinch terminals (optional)
- Mini ISO pins (OBD)
- Wires (ideally in two different colors)

POSSIBILITIES

Depending on the model year and equipment, there are several ways to establish a connection to the control unit:

- Non-TCS/ESP -> MIU
- TCS
- ESP

NON-TCS/ESP

The connection is established via the Main Instrument Cluster - short MIU.

Although it is a bit fiddly to prepare the whole thing, since the paneling of the dashboard has to be removed, the cable is then in the interior and does not have to be drawn in from the outside first.

In this YouTube video by Henrik Emanuelsson you can see how the dash cover needs to be dismantled:

<https://www.youtube.com/watch?v=XPFYkhcwiQ0>

As soon as the MIU is removed, you have to take a closer look at the connectors.

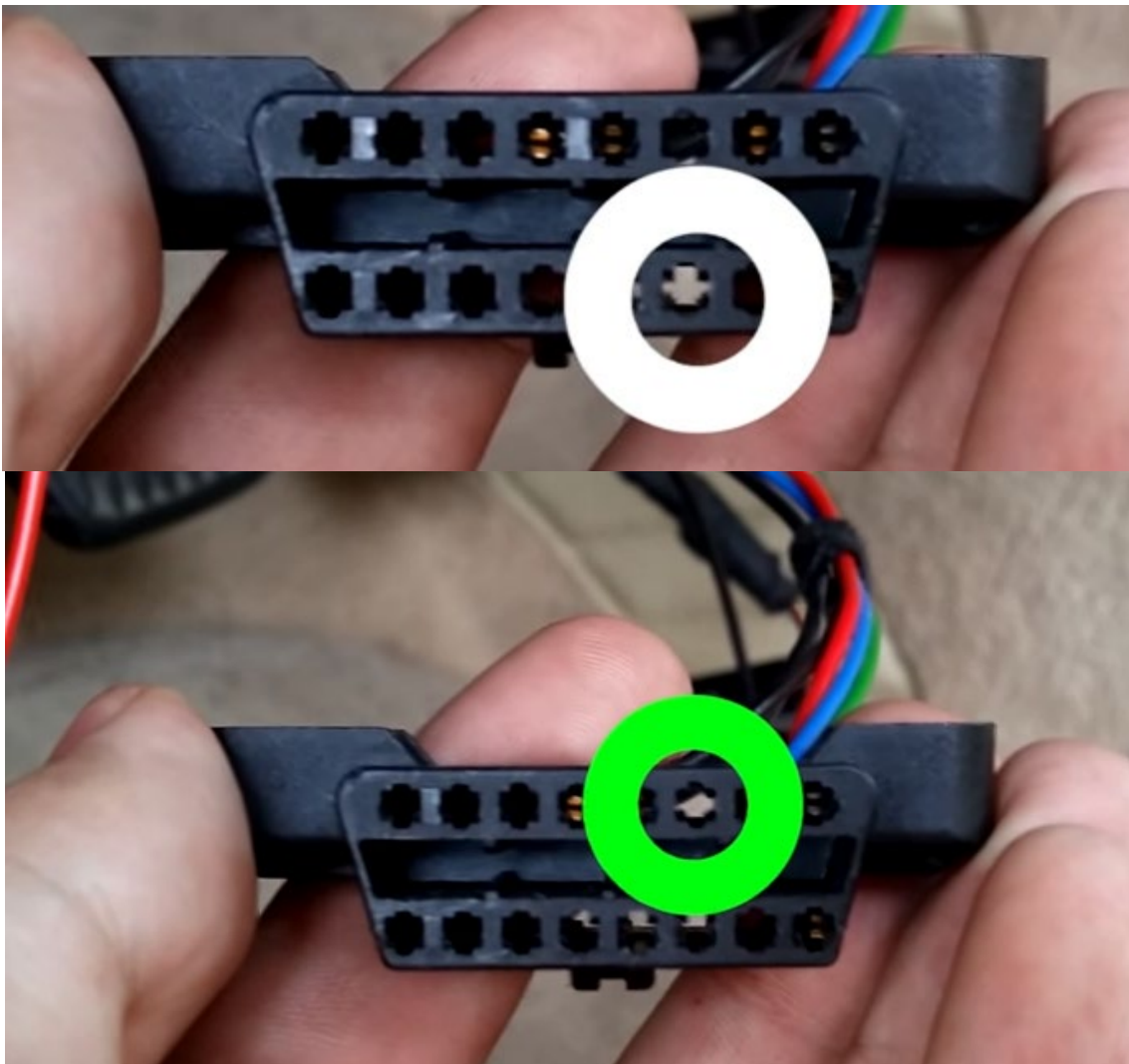
For vehicles from 1998 to 2001 the relevant pins are 11 (white) and 4 (green).
From model year 2002 the pin layout changes slightly. Here the pins 9 (white) and 17 (green) would be the right ones.

The following shows the wiring on a MY99 vehicle:



The doubling of the white and green cables should be irritating. Correctly, pins 11 and 4 are the "inner" pairs.

You connect the pinch terminals there and lead the cable down to the OBD port. The cables are then provided with the mini ISO pins and inserted as follows:



The preparation is now complete.

TCS

For vehicles with TCS, the following PDF is recommended, which was compiled by the user "Ibanez99" from the TrionicTuning forum.

Link: <https://hirschmann-koxha.de/en/informations/downloads/>

Source: <https://www.trionictuning.com/forum/viewtopic.php?t=4952>

ESP

The following instructions are available for vehicles with ESP.

<https://youtu.be/r-pRSKJH-BQ>

Of course, the cables do not have to be cut and can be connected with the help of the pinch terminals.