WSP IMMO EMULATOR (AUTO) SPRINTER/VITO

www.mbkeyprog.com

+48 517 443 433, +48 22 724 99 96
info@mbkeyprog.com

SPRINTER/VITO (AUTO)

!!! FOR DIAGNOSTIC USE ONLY !!!

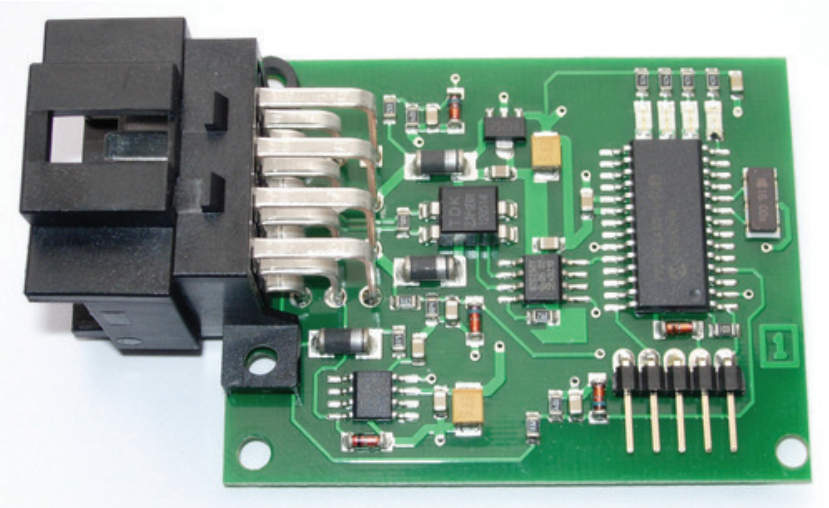
Supported models:
Mercedes Sprinter
Mercedes Vito

The hereby product is intended to be installed instead original Immobilizer ECU.

Purposes:

1. CAN communication emulation between WSP (Immobilizer Unit) and ECU (CDI1/CDI2). We recommend to install it in case of «Start Error» message on instrument Cluster display.

2. ECU EEPROM data changing. That data changing is needed for correctly functioning of emulator. Now you can change ECU data without ECU removing – just via K-line (via DLC). No need more takeoff (desolder) EEPROM microchip from ECU.



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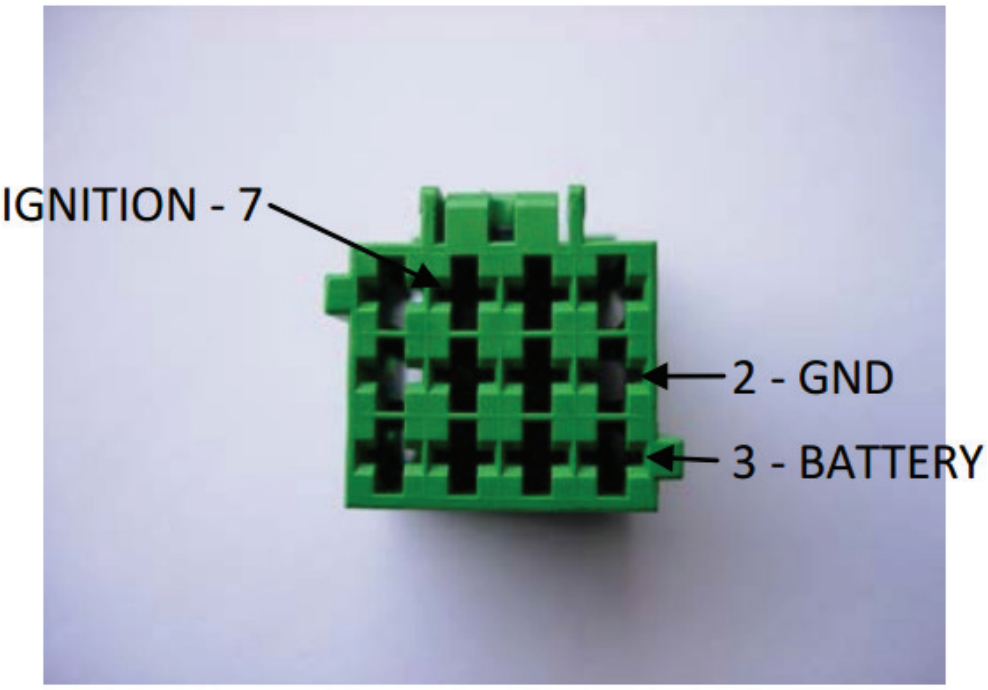
ECU EEPROM data changing.

Before programming: make sure that battery power 12 V and after ignition pins are OK. Test them onWSP green connector (pins 3 and 7, see pic.1). If at least one of them is out – fix it. You can check power on WSP connector with usual tester/multimeter . Also you can just plug WSP Emulator instead the original immobilizer and detect power availability by signals of LEDs of WSP Emulator (see table 1)

Also test the original immobilizer with diagnostic device to detect the reason of "Start Error" message.



Pic.1 WSP immobilizer connector.

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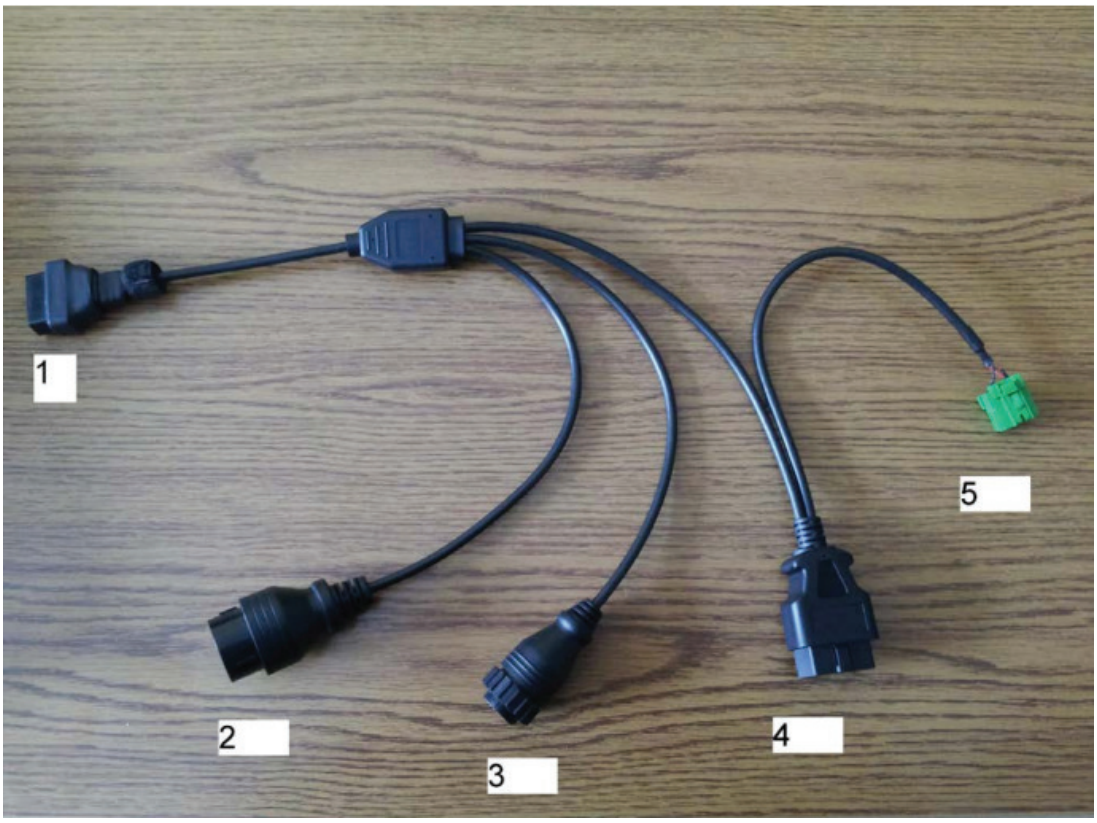
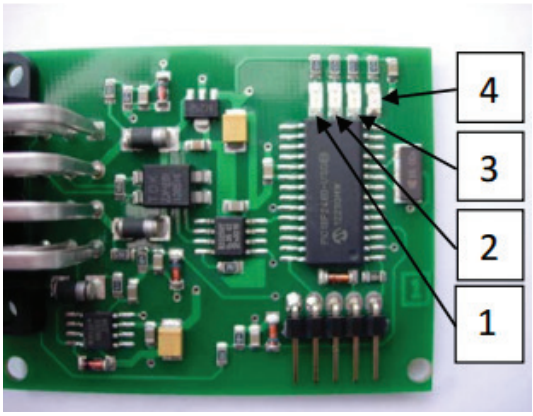
For ECU EEPROM data programming connect WSP Emulator to DLC (diagnostic link connector) with special WSP cable (see pic.2) and turn ignition ON.



Pic.2. WSP cable.

If green LED is ON – all power pins on WSP connector are OK. You can control programming process and programming results during and after programming by combination of LEDs – one green and three red (see pic.3)



Pic3. WSP Emulator's LEDs.

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WSP signal emulation mode

When you programmed ECU successfully disconnect WSP cable and connect WSP Emulator instead original immobilizer box.
If all WSP connector's power voltages are OK:
- Green LED (4) is ON
- Red LED (3) blinking shortly

Table 1.
LEDs modes combinations.

LED's number(according pic.3)				LEDs signals value
1	2	3	4	
blinking	blinking	blinking	ON	Bad connection with ECU or low power on WSP pins.
ON	OFF	ON	ON	CDI1 has been programmed successfully
OFF	ON	ON	ON	CDI2 has been programmed successfully
blinking	OFF	blinking	ON	Error programming of CDI1
OFF	blinking	blinking	ON	Error programming of CDI2
OFF	OFF	OFF	OFF	12 V after ignition is OUT on WSP connector

OFF
Or ON
blinking

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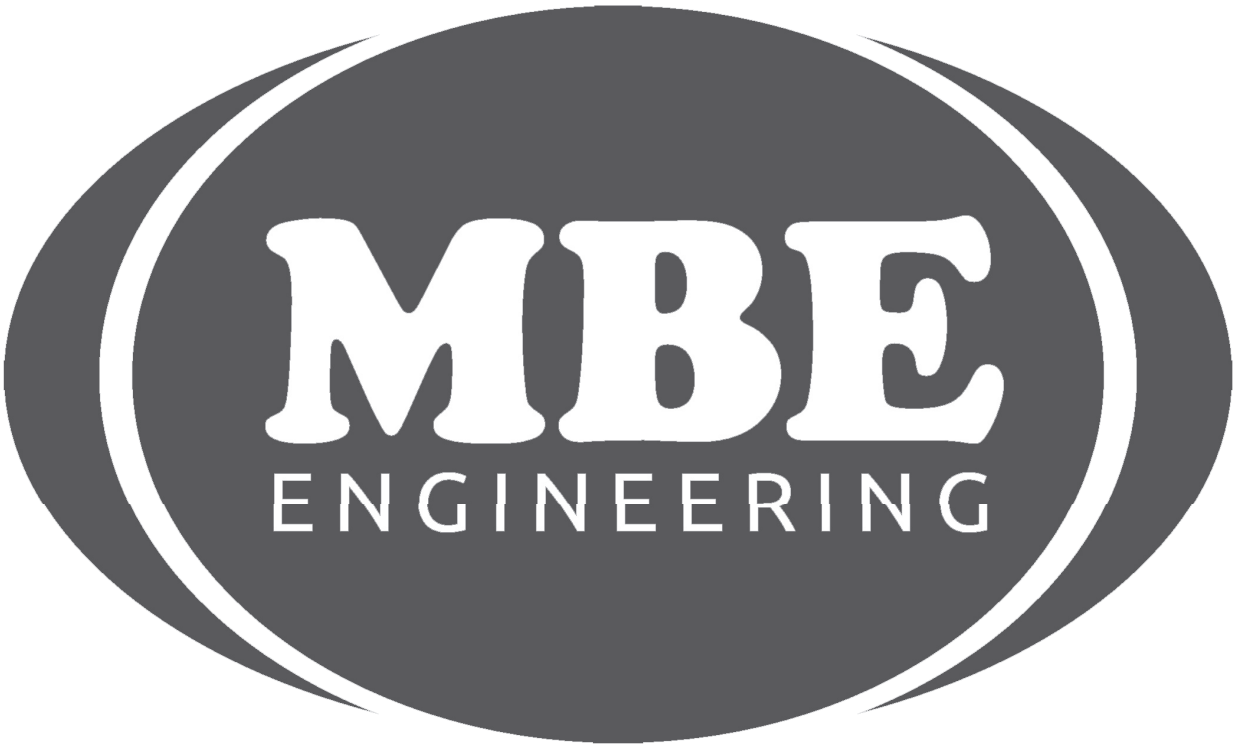

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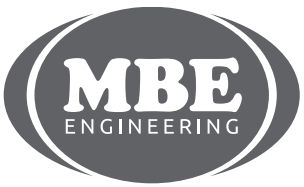
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