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Diagnostic device Immobilizer Emulator

For cars from: Toyota
selected models until 2014



Update 16.09.2022



BDO: 000003664

i25 - Immobilizer emulator for Toyota cars

1. Product description:

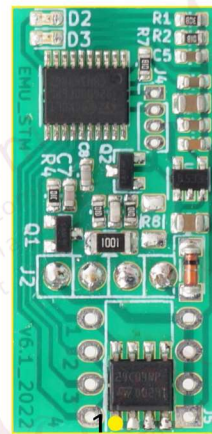
This device emulate an immobilizer data stream to the ecu.
It is meant to be used as diagnostic device during car repairs
in car workshops.

2. Supported controllers- produced until 2014:

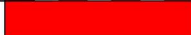
Auris, Avalon, Avensis, Aygo, Camry, Carina, Corolla, Corolla Verso,
Hiace, Hilux, Landcruiser, Lexus LS400, Paseo, Prado, Previa, RAV4,
Sequoia, Starlet, Tarago, Tundra, Yaris.

3. Wire marks in emulator

red	+12V ACC
blue	GND
green	EFIO
white	EFII

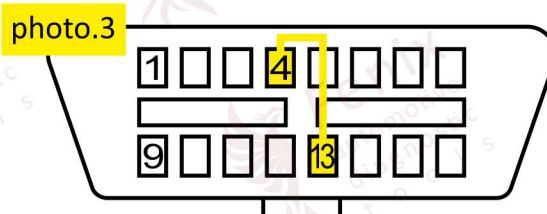
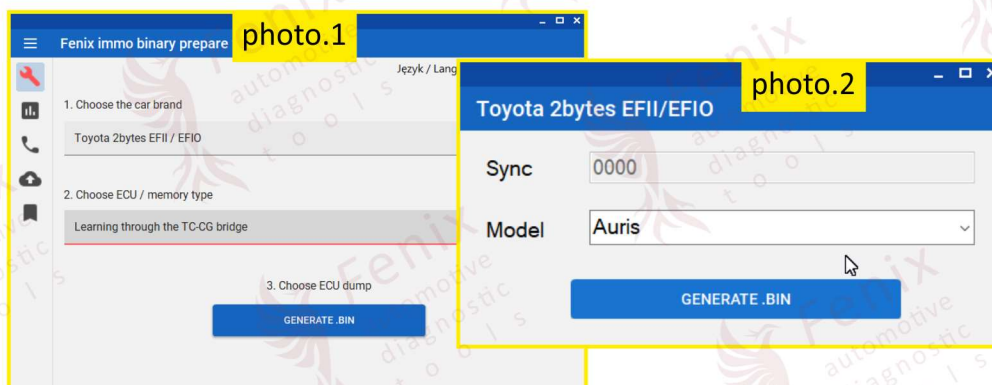


4. LED diodes colors in emulator

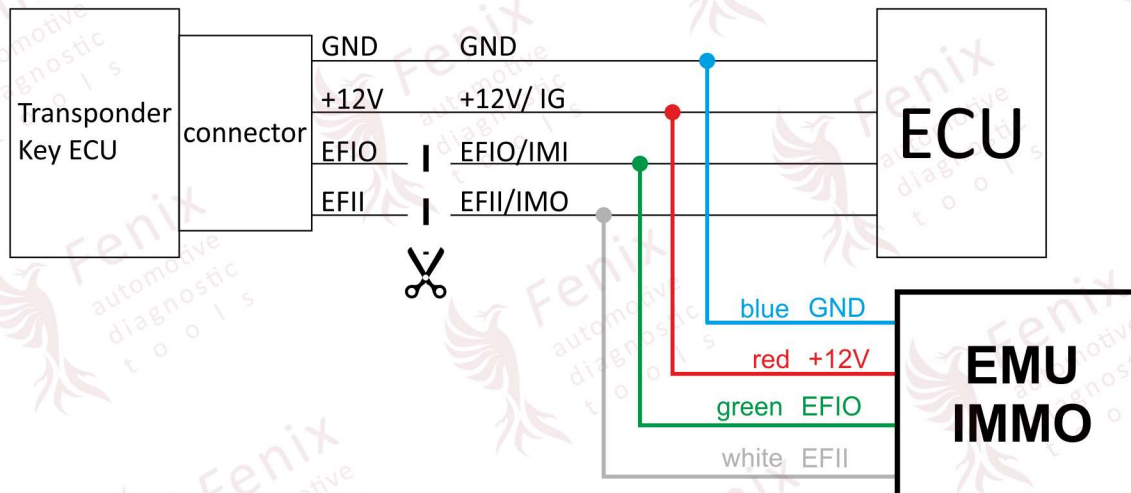
green LED		Emulator supply
red LED		Matching the emulator to the ECU
red LED		Finished matching the emulator to the ECU

4. Connecting emulator to the installation:

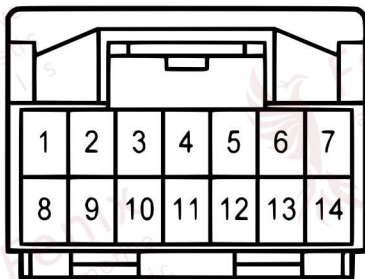
- Using the Fenix IBP application generate the file eeprom batch.
 - choose the car brand: Toyota 2bytes EFII / EFIO (photo 1),
 - select the driver type: Learning trough the TC-CG bridge,
 - click generate,
 - choose the car model (photo 2),
 - click generate, save the batch,
- Upload the new batch created by the application to the eeprom 24C04 memory of the emulator,
- connect the emulator to the installation according to the diagram,
- make a jumper in the OBD socket, connect pins 4 and 13 (photo 3),
- turn on the car ignition and wait about 25 minutes. until the red LED starts blinking emulator,
- turn off the ignition, remove the jumper from the OBD socket,
- turn on the ignition and start the engine, after switching on the ignition the green diode lights up, after In addition, the red diode will light up permanently after starting the engine.



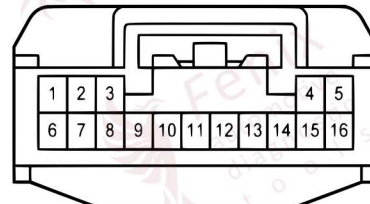
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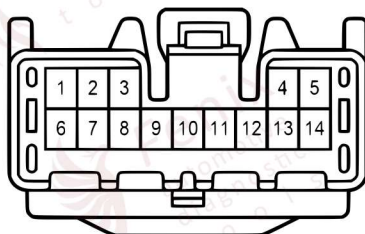
Transponder Key ECU
wiring harness connector (front view)



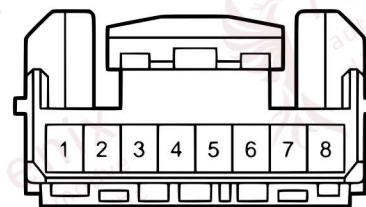
2- +12V
6- EFIO
7- EFII
14- GND



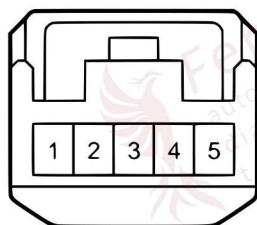
2- +12V
12- EFII
13- EFIO
16- GND



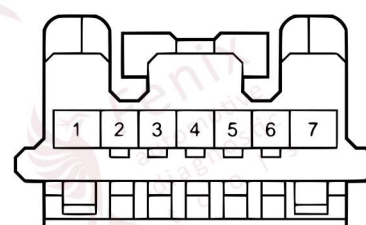
2- +12V
10- EFII
11- EFIO
14- GND



1- +12V
5- EFII
6- EFIO
8- GND



1- +12V
3- EFII
4- EFIO
5- GND



2- +12V
4- EFIO
5- EFII
7- GND