

Diagnostic device
Immobilizer Emulator

i9- Immobilizer Emulator Nissan K-line

NATS 2, 4, 5, 5.5



Update 26.05.2022



BDO: 000003664

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.

In order to properly work of emulator, there is need to modify eprom and flash memory for some kinds of controllers.

2. Supported controllers

- | | |
|---|---|
| <input type="checkbox"/> Bosch EDC15 | <input type="checkbox"/> Zexel 407917-072 3 |
| <input type="checkbox"/> Bosch Motronic | <input type="checkbox"/> Zexel 407913-175 0 |
| <input type="checkbox"/> Hitachi MEC11-200 (20-010) | <input type="checkbox"/> Denso 23710-8H800 |
| <input type="checkbox"/> Hitachi MEC20-605 (20-600) | |

3. Wire marks in emulator

Red	Red	+12V ACC
Blue	Blue	GND
Green	Green	CODE

4. LED diodes colors in emulator

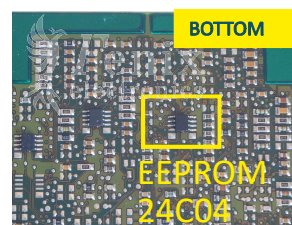
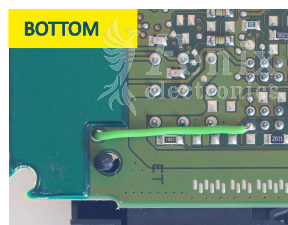
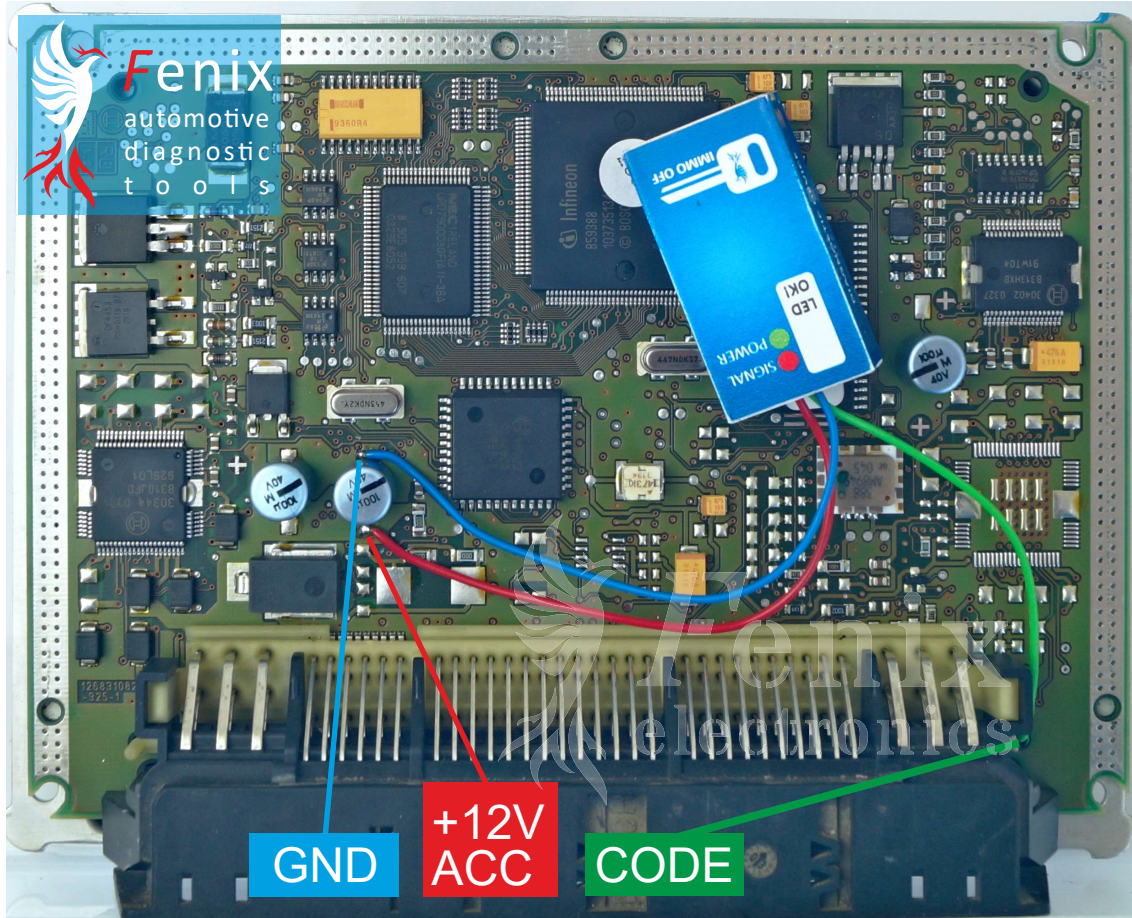
Green		Emulator supply
RED		Emulator have been fitted to ECU

5. Connecting emulator to the installation:

- Read ECU controller memory, save batch to file
- Generate new batch file based on batch read from ECU – use Fenix IBP application
- Load new batch file generated by application to 24c02 eeprom memory in ECU
- Assembly emulator in ECU controller
- Disconnect CODE line from the ECU plug

Examples of assembly methods for different ECU can be found below:

Nissan, Bosch EDC15, 24C04 eeprom

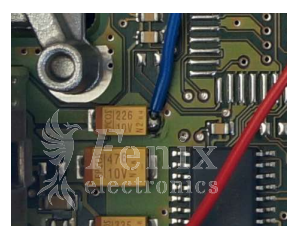
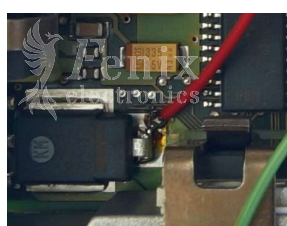


+12V •7 5 GND •4 5 CODE •10 4

Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

Nissan, Bosch Motronic, 24C02 eeprom

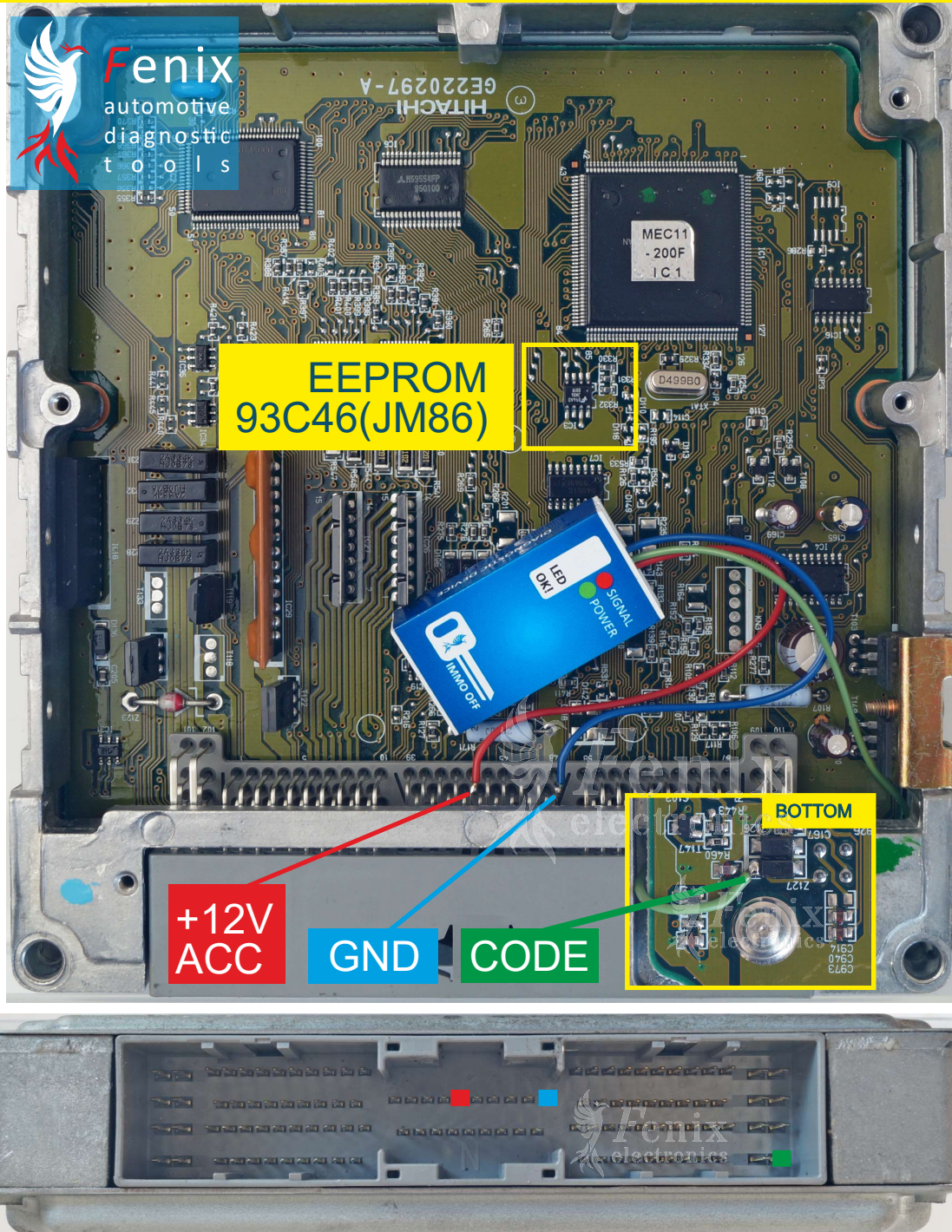


+12V	54	GND	6	CODE	88
------	----	-----	---	------	----

Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

Nissan, Hitachi MEC11-200 (20-010), 93C46 eeprom

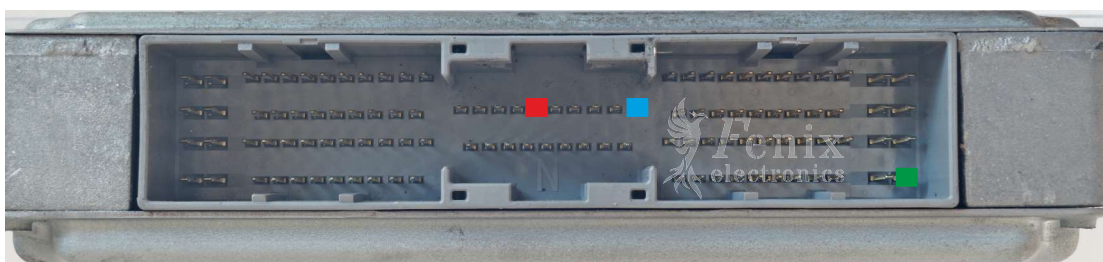
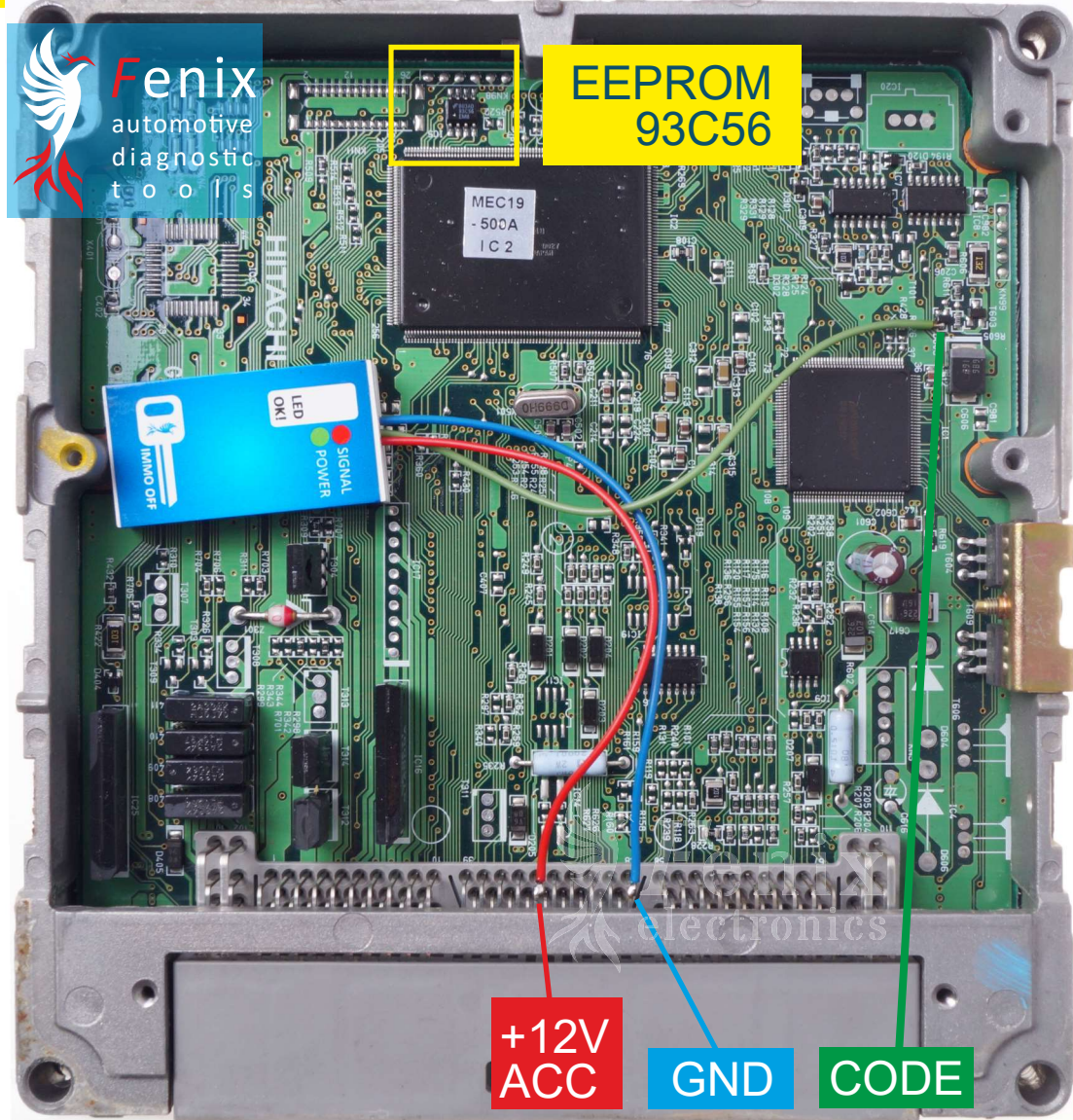


+12V	43	GND	108	CODE	116
------	----	-----	-----	------	-----

Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

Nissan, Hitachi MEC19-500, 93C56 eeprom

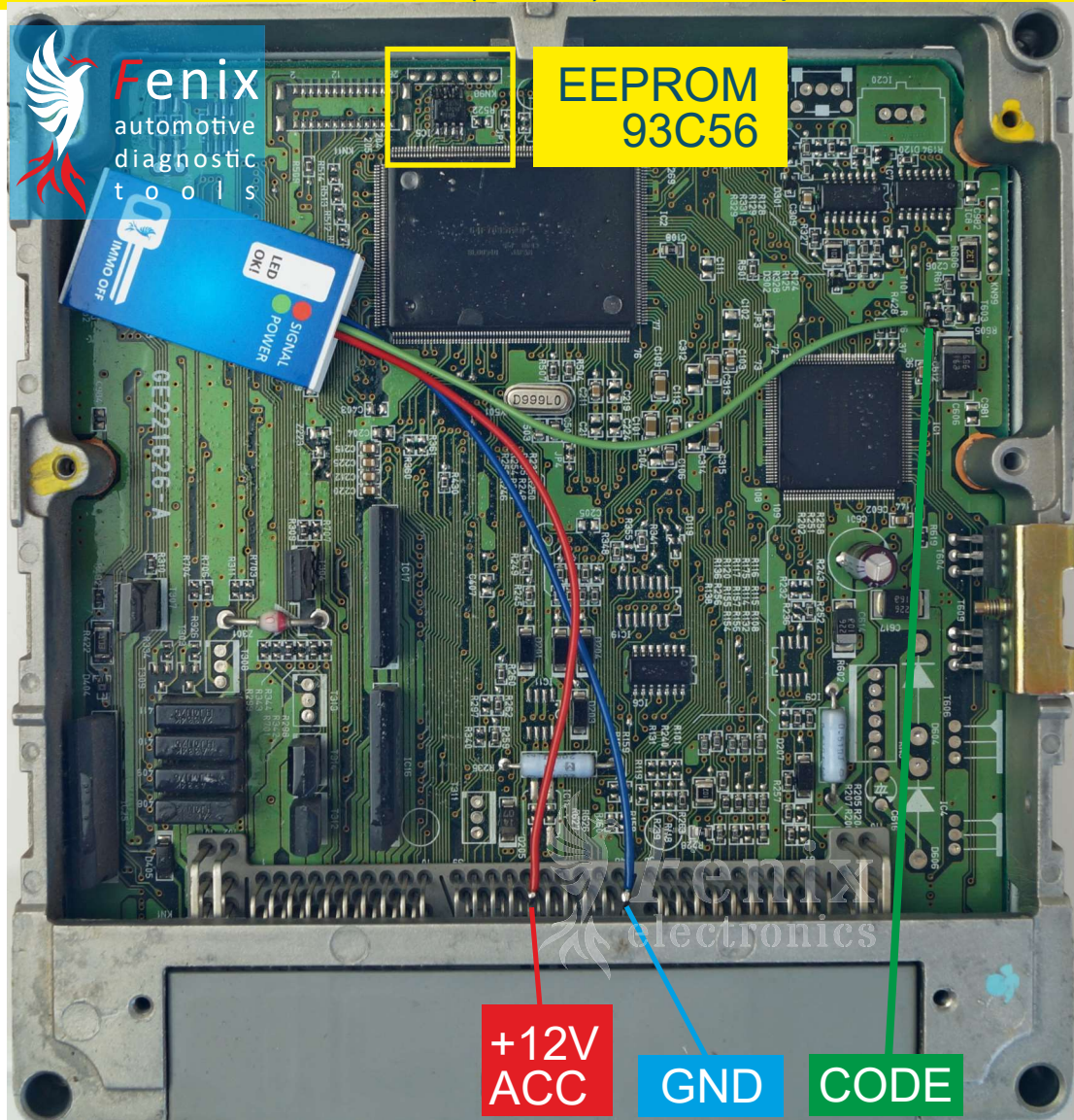


+12V	43	GND	108	CODE	116
------	----	-----	-----	------	-----

Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

Nissan, Hitachi MEC20-605 (20-600), 93C56 eeprom

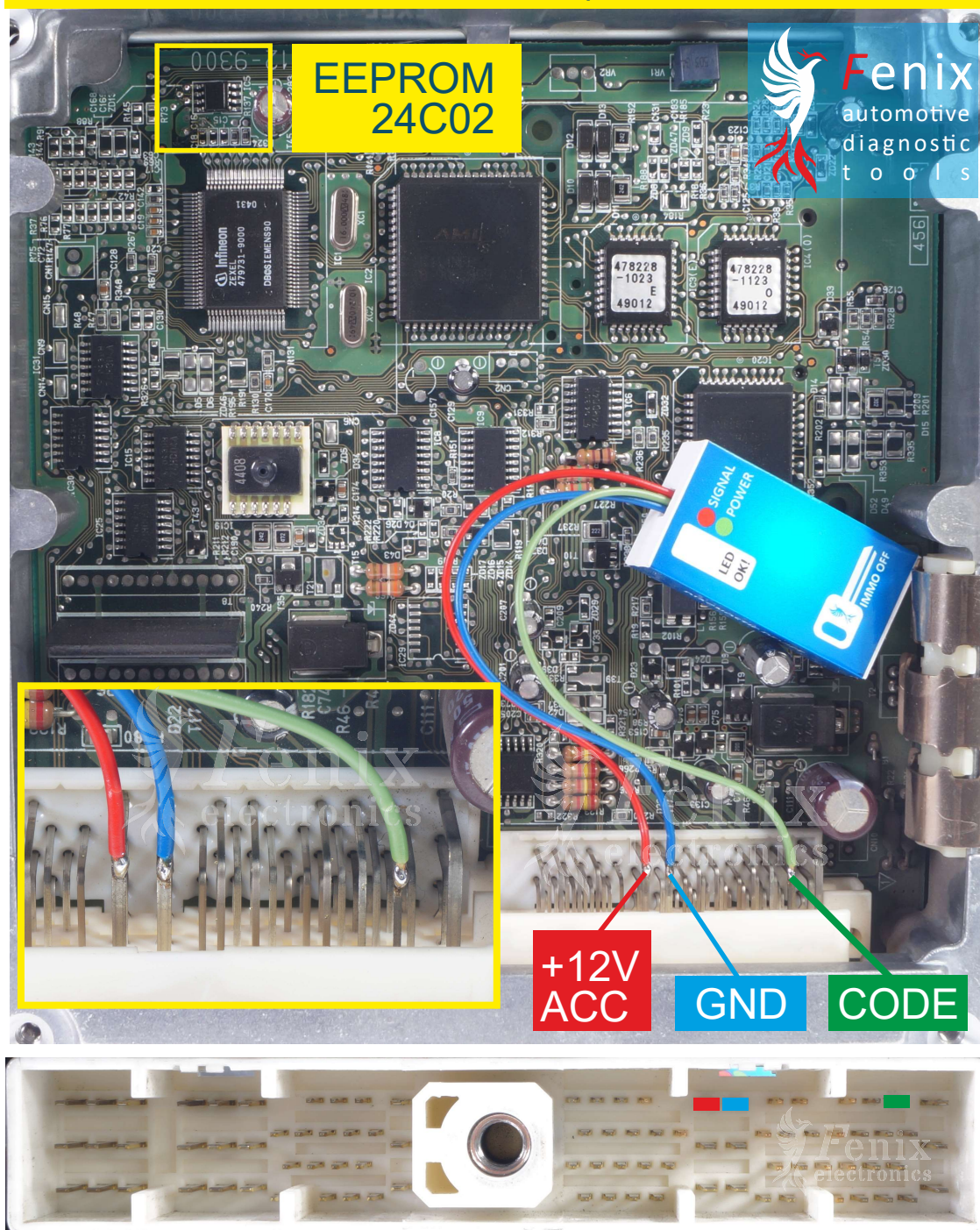


+12V	43	GND	108	CODE	116
------	----	-----	-----	------	-----

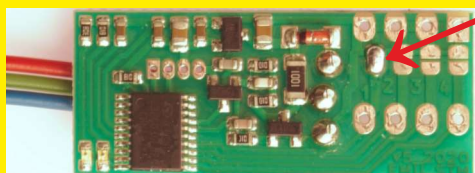
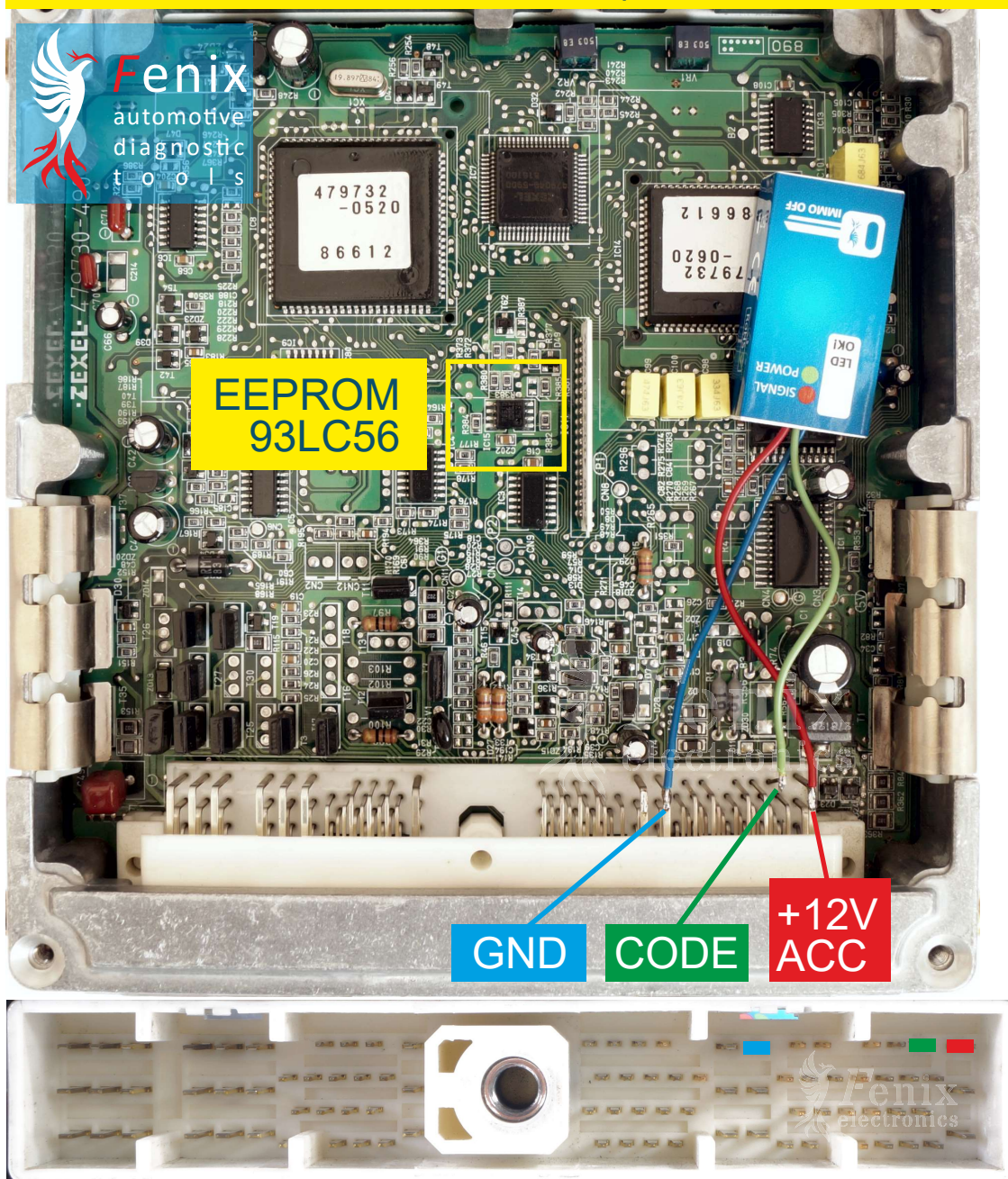
Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

Nissan, Zexel 407917-072 3, 24C02 eeprom



Nissan, Zexel 407913-175 0, 93LC56 eeprom



Solder the jumper # 1.

Proceed as described in point 5 of the manual.

Disconnect CODE line from the ECU plug !!

