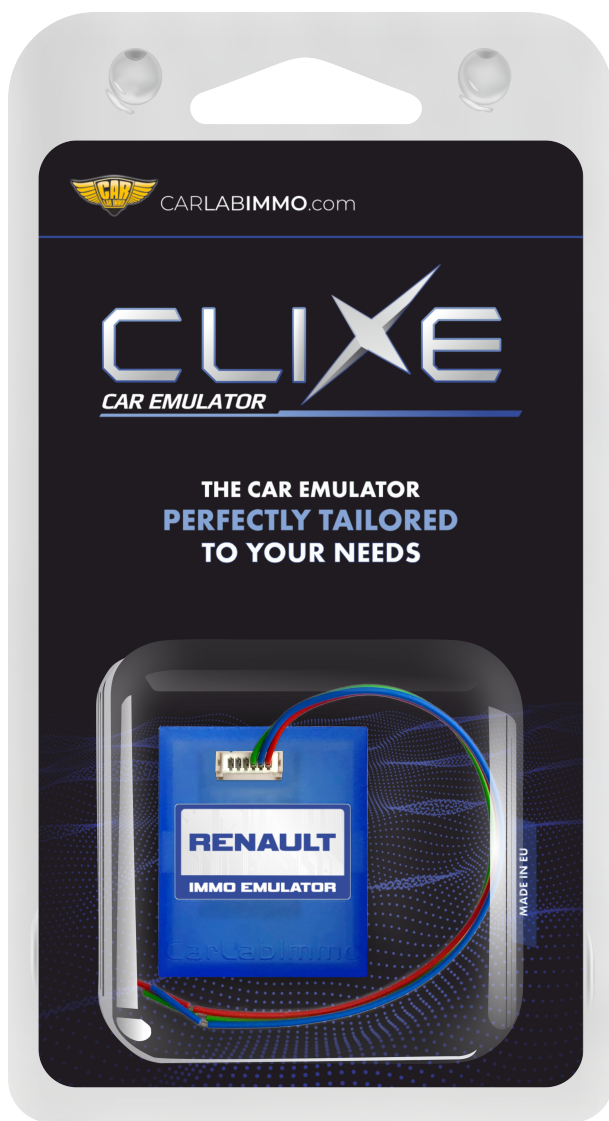


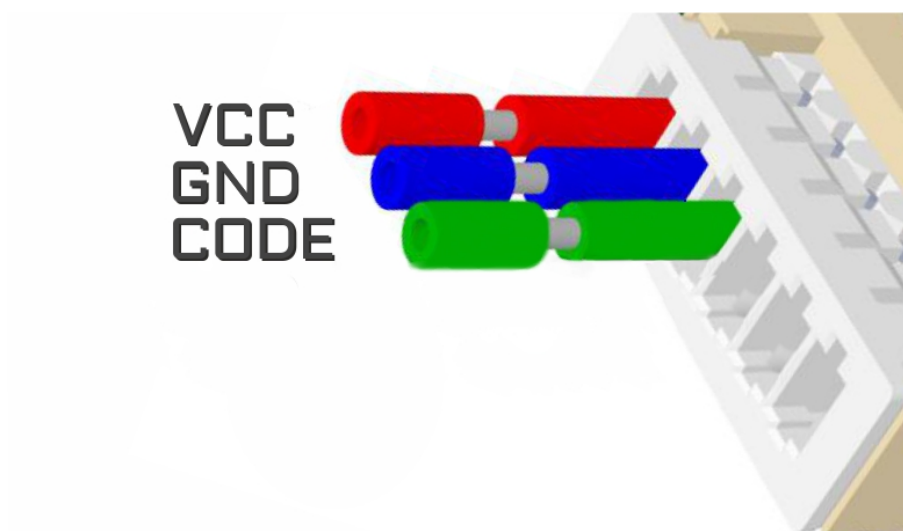
[See all emulators](#)



Program	Use
Renault	<ul style="list-style-type: none"> • Sirius 32 / Sirius 34 without CAN GO TO VIDEO • EMS 3132 / EMS 3134 without CAN • 1.9 2.2 and 2.5 dCi without CAN • Delphi DDCR • 1.9 dTi 1 plug • 1.9 dTi 2 plugs • 1.9 diesel DCU3 • 2.8 TD • 1 plug with 24C02 memory • Volvo S40 and V40 – 1.9 TD Bosch ECU

[See all emulators](#)

Wiring colour codes



The LED behavior

diagnostic mode - it flashes every second

adjusting to the ECU – flashing 0,1 sec

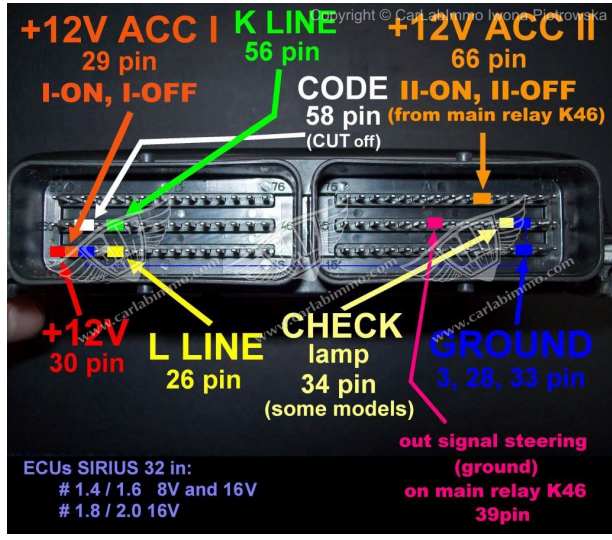
after adjusting it lights constantly and blinks every other second

See all emulators

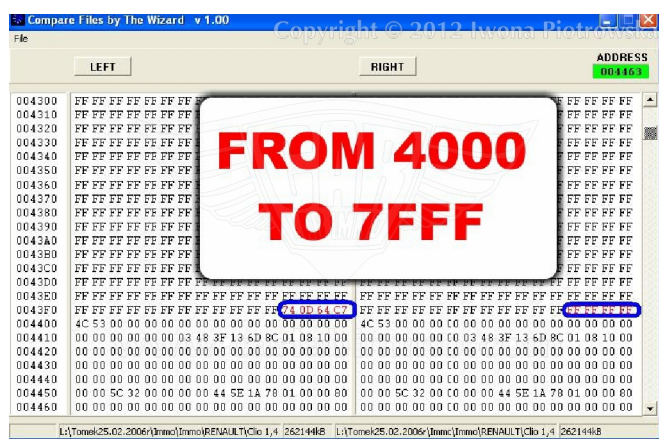
Renault without CAN

Renault without CAN

SIRIUS 32 without CAN



Find 29F200 or 29F400 flash



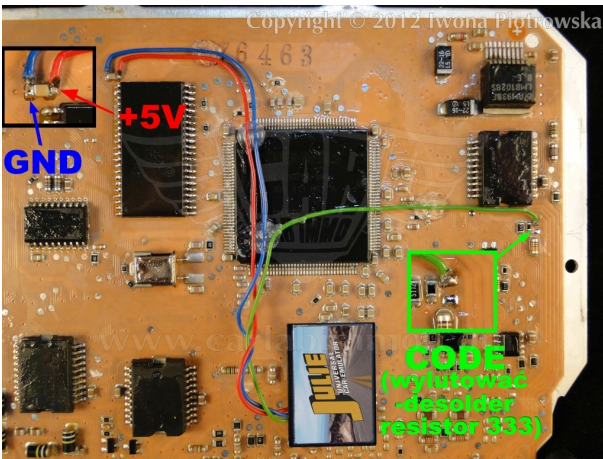
In the addresses from 4000 to 7FFF, find all values 64 C7 or 54 D7 or B4 5C and change these values and two units before them into FF FF FF FF

Repeat it in the whole map from 4000 to 7FFF !!!

See all emulators

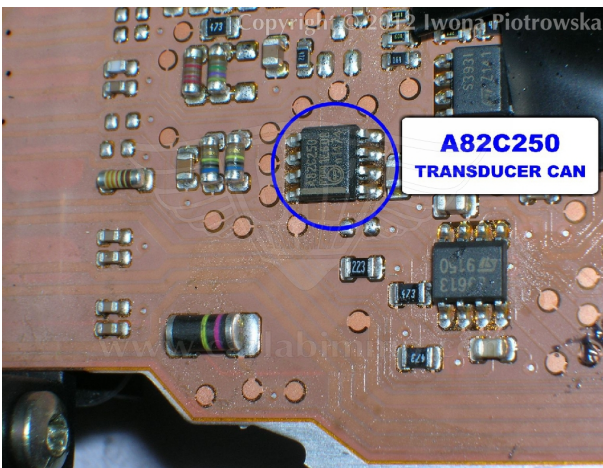
Renault without CAN

Connecting emulator to ECU



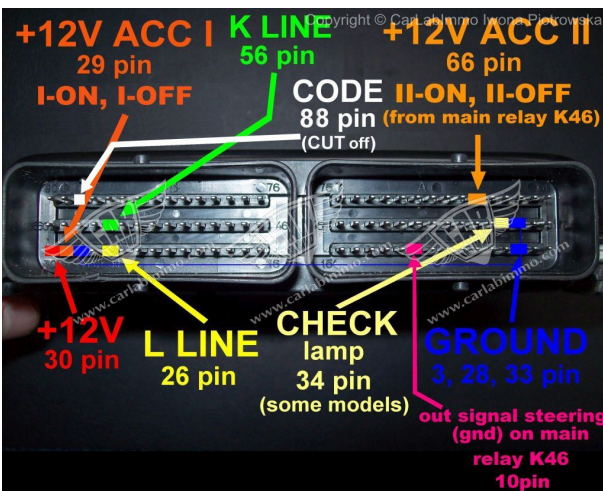
Take power and GND for the emulator from the capacitor

Connect Code signal after desoldering a 333 resistor



If there is **A82C250 CAN transducer** on the plate in the ECU, then the emulator will not work in this ECU!!!

SIRIUS 34

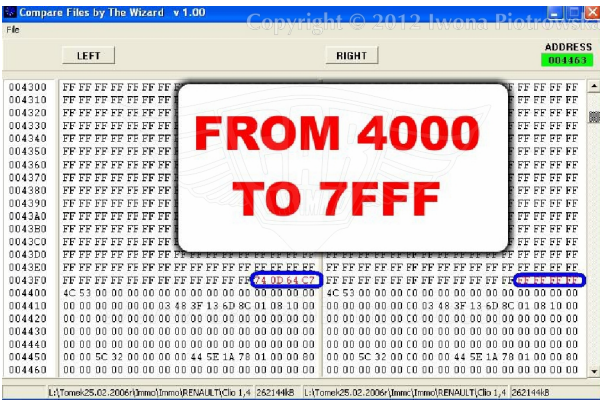


See all emulators

Tested on SIRIUS 34 ECUs

- S118301104 A*
- S118301104 B*
- S118301211 B*
- S118301211 C*
- S118301212 B*
- S118301213 B*
- S118301213 C*
- S118301216 B*

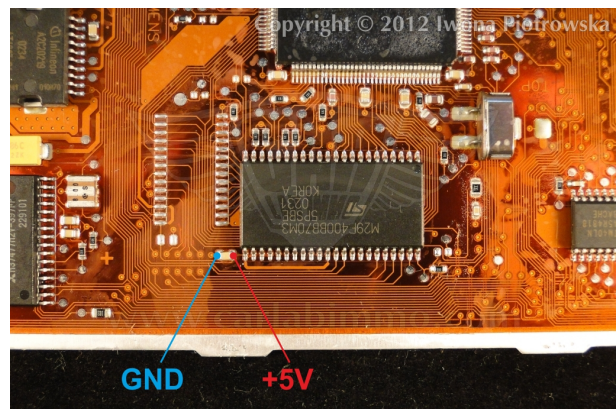
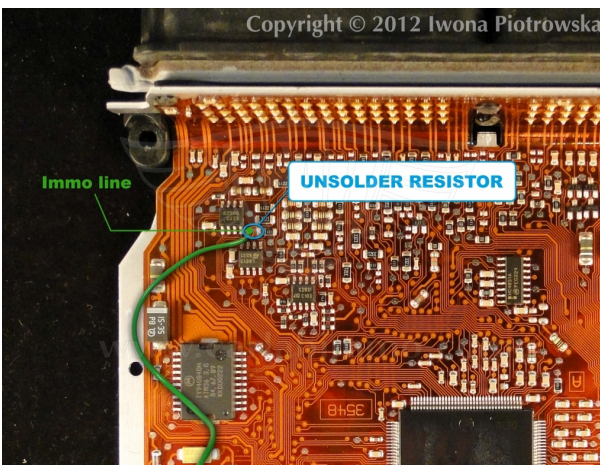
Find **29F200** or **29F400** flash



In the addresses from **4000** to **7FFF**, find all values **64 C7** or **54 D7** or **B4 5C** and change these values and two units before them into **FF FF FF FF**

Repeat it in the whole map from **4000** to **7FFF** !!!

Connecting emulator to ECU

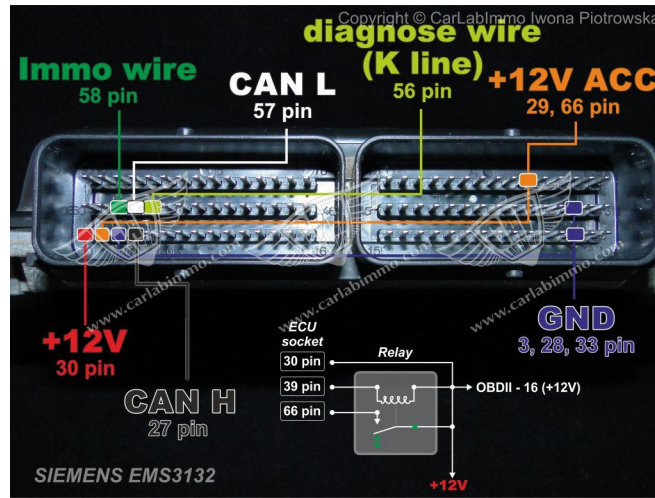


Take power for the emulator from the capacitor at the flash
In order to start the starter you need to join two pins of starter's relay!

See all emulators

Renault without CAN

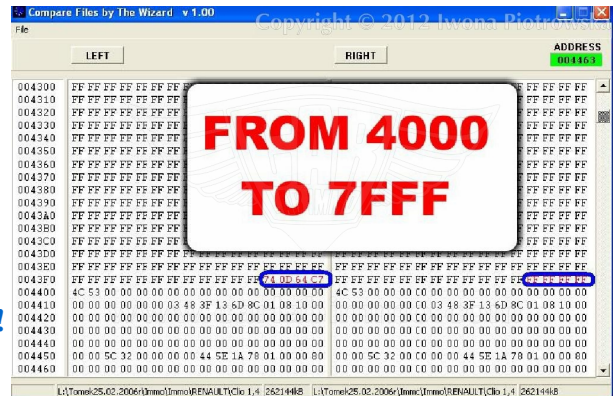
EMS 3132



Find **29F200** or **29F400** flash

In the addresses from **4000** to **7FFF**, find all values **64 C7** or **54 D7** or **B4 5C** and change these values and two units before them into **FF FF FF FF**

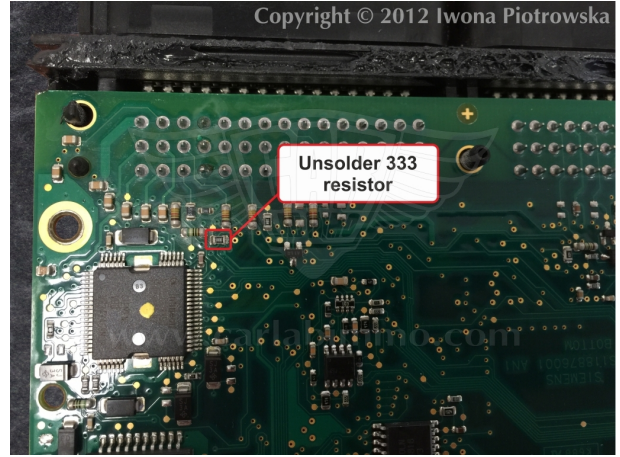
Repeat it in the whole map from **4000** to **7FFF** !!!



Take power for the emulator from the capacitor at the flash.

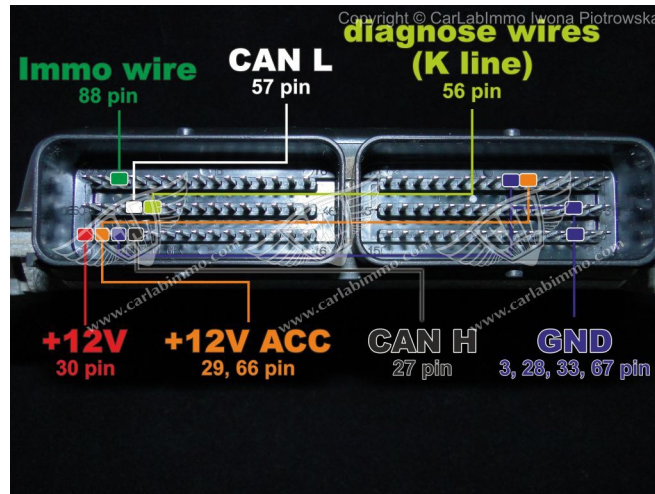
See all emulators

Renault without CAN



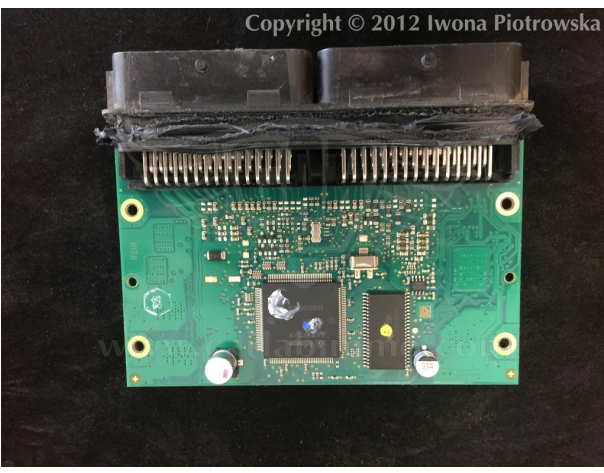
Connect green wire as pictured after unsoldering 333 resistor and connect it to the point which leads to the processor.

EMS 3134



See all emulators

Renault without CAN



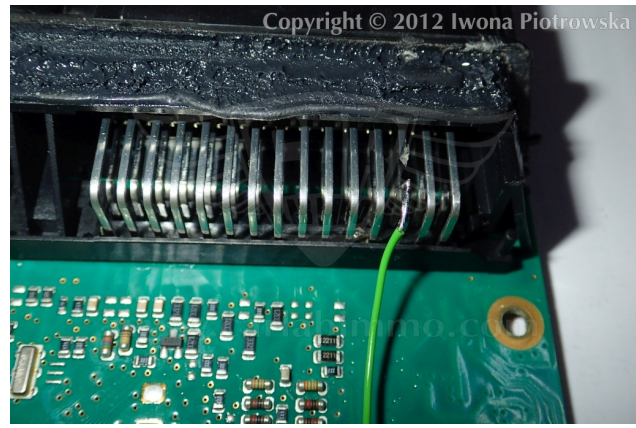
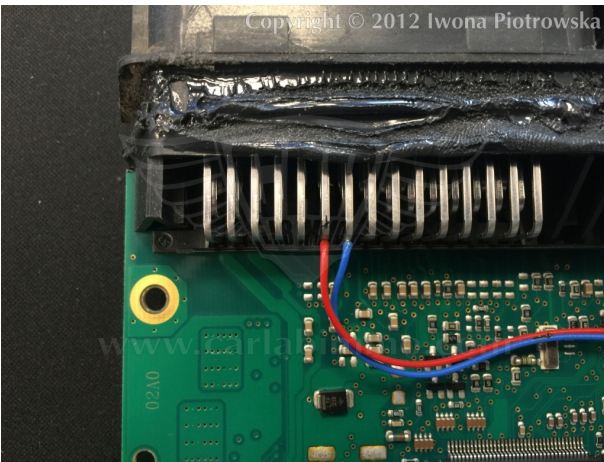
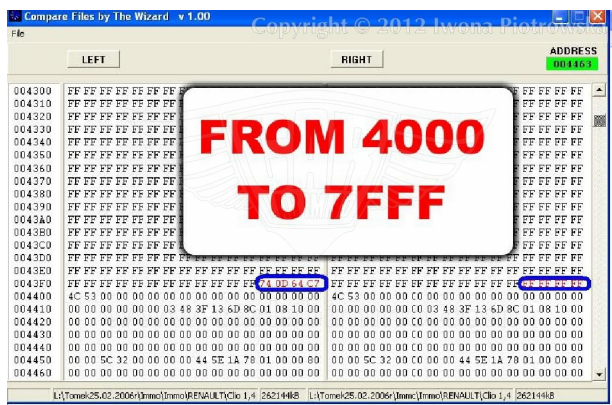
Tested on EMS 3134 ECUs

S118301120 B
S118301124 A

Find 29F400 flash

In the addresses from 4000 to 7FFF, find all values 64 C7 or 54 D7 or B4 5C and change these values and two units before them into FF FF FF FF

Repeat it in the whole map from 4000 to 7FFF !!!

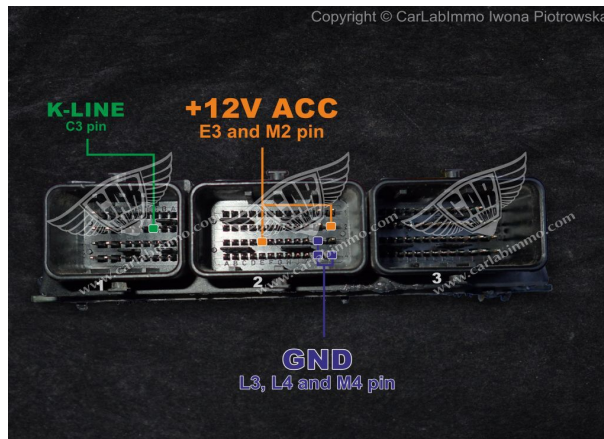


Connect green wire as pictured to 88 pin and cut it off from wiring.

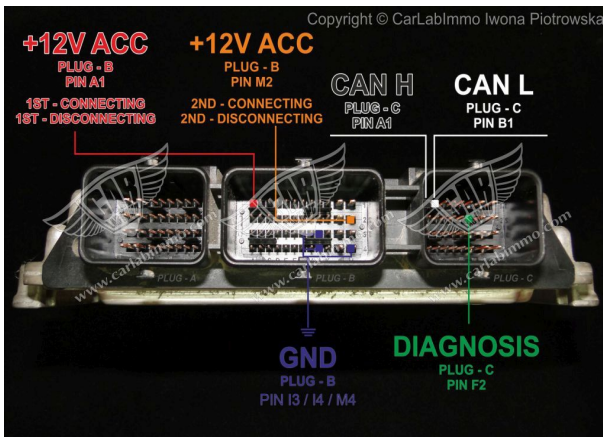
See all emulators

Renault without CAN

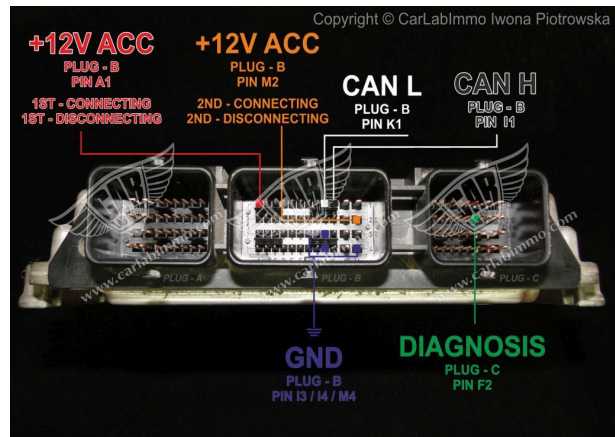
1.9 2.2 and 2.5 dCi without CAN



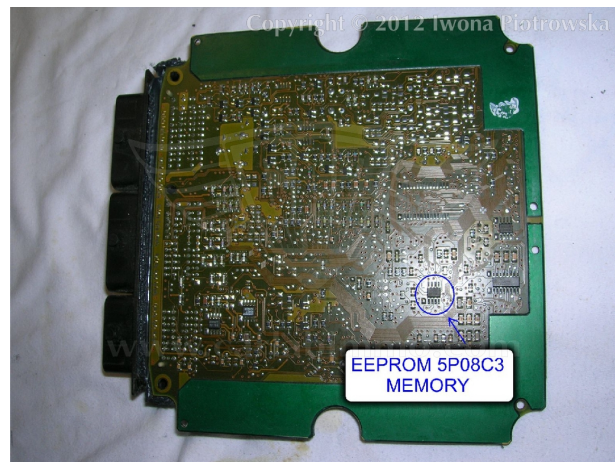
EDC15 - old



EDC15 - new



EDC15 - new v2



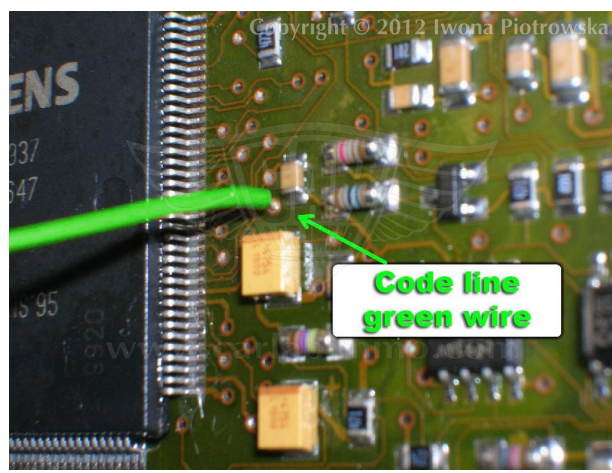
See all emulators

```

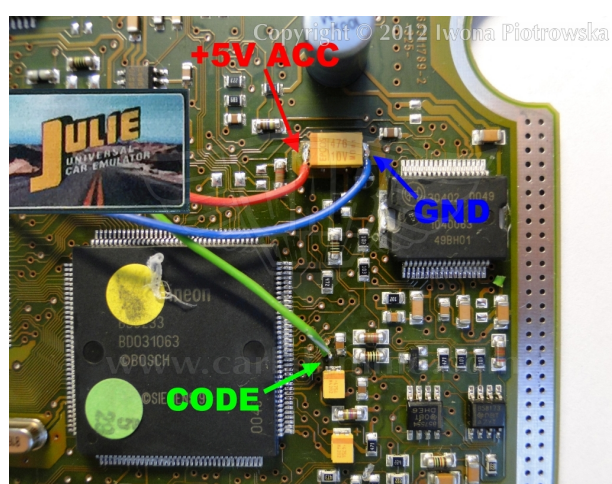
OFFSET 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
00000000 5B 03 03 FF 00 15 13 04 00 EC FD EC FC FF FF D4
00000010 15 13 04 00 EC FD EC FC FF FF FF FF FF FF
00000020 FF FF FF FF FF FF 31 30 33 33 35 33 34 32 33
00000030 FF FF FF FF FF FF 00 5E 01 5A FF AA B6 05 FF FF
00000040 FF FF 43 FA FF FF FF 01 54 AB FE 0A 5E 70 70
00000050 55 AA 00 55 AA 05 55 A7 00 55 AA FF FF FF FF
00000060 FF 03 03 18 20 30 00 00 24 65 29 0C 02 A9 00
00000070 00 23 00 AE 02 9E 00 00 27 44 02 02 00 01 28 01
00000080 00 FD 41 9E 52 00 00 00 FD 41 9E 52 00 00 FF FF
00000090 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000A0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000B0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000C0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000D0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000E0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
000000F0 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000100 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000110 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000120 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000130 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000140 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000150 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000160 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000170 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000180 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
00000190 FF FF FF FF FF FF FF FF FF FF 01 00 00 30 FF
000001A0 00 34 FF 00 00 0E FF 7A 00 80 10 07 FF FF
000001B0 FF FF 1C F3 02 44 08 00 00 00 9C 53 00 FF 00 00
000001C0 00 00 00 00 00 00 00 00 00 00 00 00 00 00
000001D0 55 55 55 55 55 55 AA AA AA AA AA FF FF FF
000001E0 FF FF AA AA AA AA AA 55 55 55 55 55 55 55
000001F0 AA FF 00 55 AA FF FF 00 FF 40 FF 00 00 00
00000200 00 FF FF FF FF FF FF FF FF FF FF FF FF FF
00000210 FF FF FF FF FF FF FF FF FF FF FF FF FF
00000220 FF FF FF FF FF FF FF FF FF FF FF FF FF
00000230 FF FF FF FF FF FF FF FF FF FF FF FF FF
    
```

In 5P08C3 memory
in the addresses:
003E 003F 0040 0041
and
0044 0045 0046 0047
change these values into **FF**

*If there are VIN number
in memory content
use Renault with CAN ver 1 program*



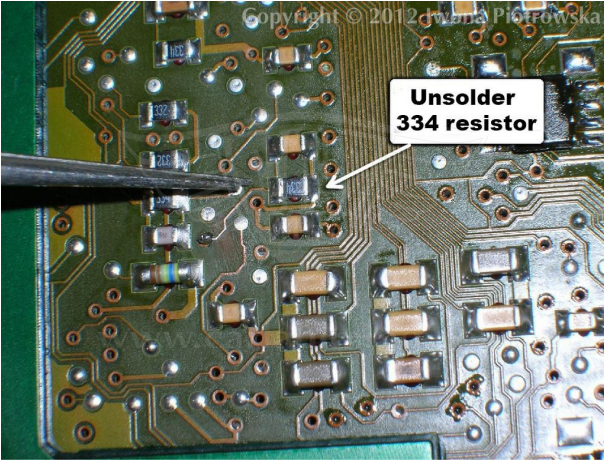
In ECU, solder immo line (code) of emulator to the point as pictured



Take power for the emulator from the capacitor on the ECU plate

See all emulators

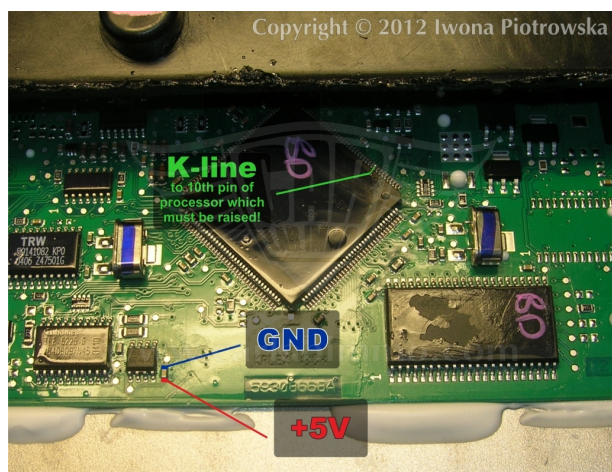
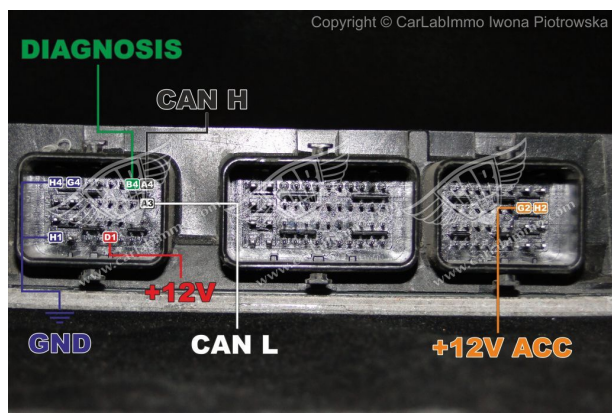
Renault without CAN



Unsolder 334 resistor

Turn on the ignition for 30 seconds, then turn it off for 30 seconds and repeat the procedure a few times

DDCR



See all emulators

Renault without CAN

Car without tachometer

Replace **25080** content and connect emulator.

10 pin of processor is immo line as pictured, which must be raised.

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000010	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000020	00	00	C3	CE	CE	D4	00	1A	00	C3	00	C3	0E	CC	00	C3
00000030	07	00	C4	FF	0C	00	B4	FF	3A	00	26	FF	1C	00	84	FF
00000040	FE	FF	E2	FF	0A	00	D6	FF	16	00	CA	FF	20	B4	FF	EC
00000050	00	BC	FF	C4	00	D8	FF	48	00	D4	FF	4C	00	D0	FF	50
00000060	00	C4	FF	CC	00	B8	FF	68	00	DC	C2	FF	FE	FF	C4	FF
00000070	FC	FF	C2	FF	0E	00	CC	FF	F4	FF	D6	FF	DA	FF	DE	FF
00000080	D2	FF	E6	FF	CA	FF	E0	F6	FF	8A	FF	FC	FF	84	FF	0C
00000090	00	64	FF	10	00	70	FF	14	00	7C	FF	00	00	A0	FF	EC
000000A0	FF	C4	FF	2F	00	C3	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000D0	FF	FF	FF	FF	FF	FF	FF	FF	C3	FF	FF	FF	FF	FF	FF	FF
000000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000F0	FF	C3	00	C3	00	00	80	01	01	00	00	00	00	00	00	00

In address from 00 to 01F write 00 values

Take power from the capacitor at the memory.

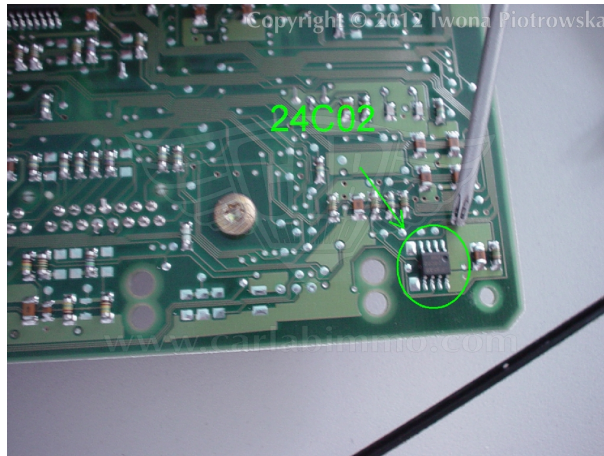
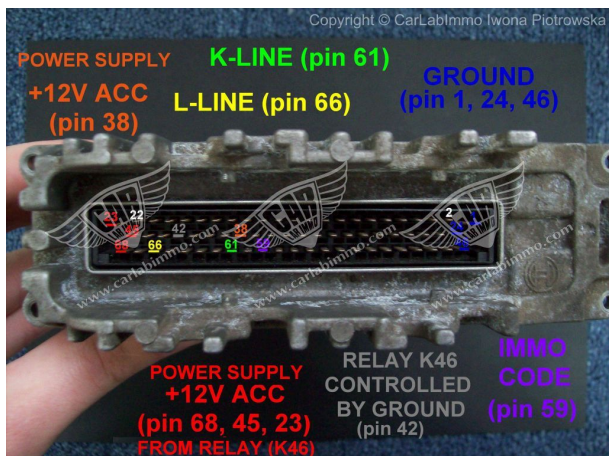
Code injectors and settings with Clip or Launch.

ECU HOM8200334540

Use Julie as Renault without CAN program. Solder jumpers J2, J3, J4, and J5 Tested on:

- Suzuki Jimny 1.5 diesel 2004
- Nissan Almera 1.5 diesel 2004

1.9 dTi 1 plug



See all emulators

Renault without CAN

```

0x00: B8 36 36 2E 30 37 AA AA 30 39 39 2E 30 39 55 55
0x10: AA 55 AA 55 AA 55 AA 58 01 C2 0E 9C 00 00 00 00
0x20: 00 00 00 00 00 00 00 00 F5 7F F2 67 00 00 00 00
0x30: 28 00 00 00 19 21 00 00 83 8C 60 00 00 00 00
0x40: FF FF 00 00 01 03 00 01 00 00 00 74 8B UC C6
0x50: 8E 60 00 00 00 00 FF FF 00 00 01 03 00 01 00
0x60: 00 00 71 8E UC C6 FF 01 11 33 10 0C 00 34 02 70
0x70: 7E B9 11 11 80 94 8A 07 00 19 84 00 12 11 20 84
0x80: 72 00 00 3D 00 77 00 00 00 00 00 00 00 00 00
0x90: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xA0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xB0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xC0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xD0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xE0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xF0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
    
```

3E - 41 = 00 00 FF FF
54 - 57 = 00 00 FF FF

```

0x00: B0 38 33 2E 30 37 AA AA 30 39 39 2E 30 39 55 55
0x10: AA 55 AA 55 AA 55 AA 58 01 C2 0C 9E 00 00 00 00
0x20: 00 00 00 00 00 00 00 00 FF 2F FD 57 00 00 00 00
0x30: 28 00 00 00 19 03 00 00 00 00 2B 6C 8A 00 00 00
0x40: FF FF 00 00 05 03 00 01 00 00 00 9C 63 A0 C6
0x50: 00 00 6E 8A 00 00 00 00 FF FF 00 00 05 03 00
0x60: 01 00 00 00 9C 63 A0 C6 00 00 FF 00 33 44 01 8C
0x70: 00 22 00 48 12 00 00 00 00 00 00 00 00 00 00
0x80: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x90: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xA0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xB0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xC0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xD0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xE0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0xF0: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
    
```

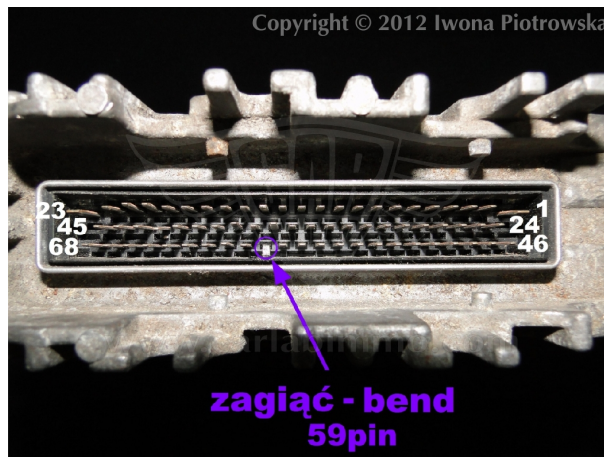
3E - 41 = 00 00 FF FF
56 - 59 = 00 00 FF FF

Connecting emulator to ECU



Connect the immo line of emulator to pin 59 of ECU.

Connect GND and ACC to diode in the ECU.

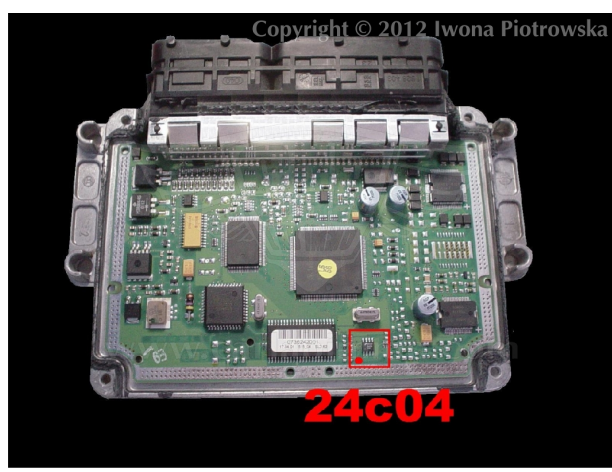


Bend pin 59 in ECU socket

See all emulators

Renault without CAN

1.9 dTi 2 plugs



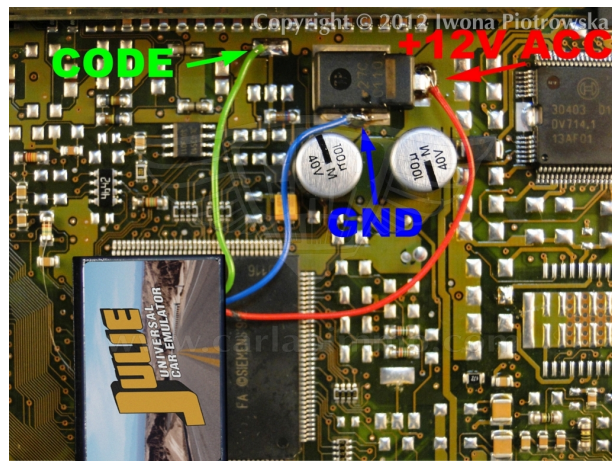
```

0x100: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x110: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x120: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x130: FF 00 00 FF FF FF FF FF FF FF FF FF FF FF FF
0x140: FF FF FF FF FF FF FF FF 00 FF FF FF FF FF FF
0x150: FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF
0x160: FF FF FF FF FF FF FF FF 28 00 00 00 00 11 20
0x170: 00 91 01 00 FF FF FF FF 00 00 03 00 01 00 9B 64
0x180: 00 FF 00 00 00 00 00 00 00 00 00 9C FF BE E0
0x190: 65 91 00 00 00 00 00 55 22 00 00 C8 00 00 00
0x1A0: 00 00 CC 00 EC 03 00 00 00 04 12 C5 80 00 30 53
0x1B0: 00 00 00 00 FF 01 00 FF FF FF FF 00 00 03 00 01
0x1C0: 00 9B 64 00 FF 00 00 00 FF 00 00 00 00 00 9C
0x1D0: FF BE E0 65 91 00 00 00 00 55 22 00 00 C8
0x1E0: 00 00 00 00 CC 00 EC 03 00 00 04 12 C5 80
0x1F0: 00 30 53 00 00 00 FF BF 00 13 A4 00 DF 00
    
```

174-177=FF and 1B7-1BA=FF for coding or emulator

In the addresses from **174** to **177** and **1B7** to **1BA** change these values into **FF FF FF FF** in **24C04** memory

Connecting emulator to ECU



- ACC** 81 pin
- GND** 4 and 5 pin
- Immo** 15 pin

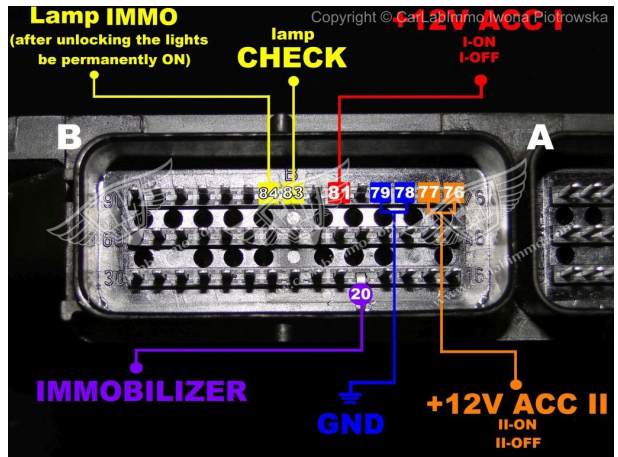
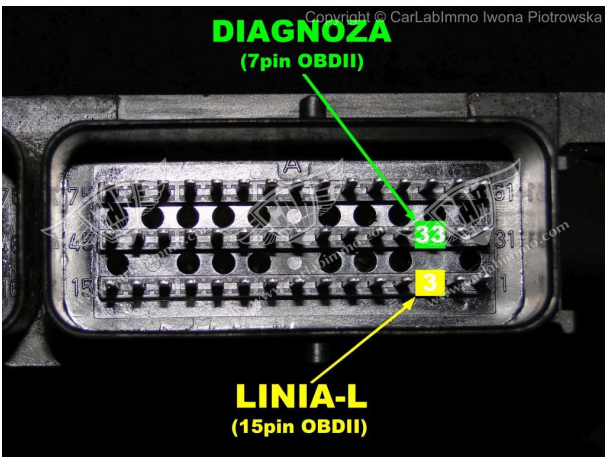
See all emulators

Renault without CAN



Cut off pin 15 from wiring!!!

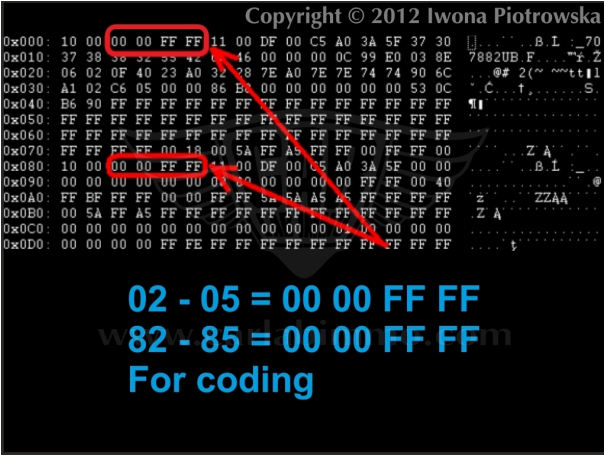
1.9 diesel DCU3



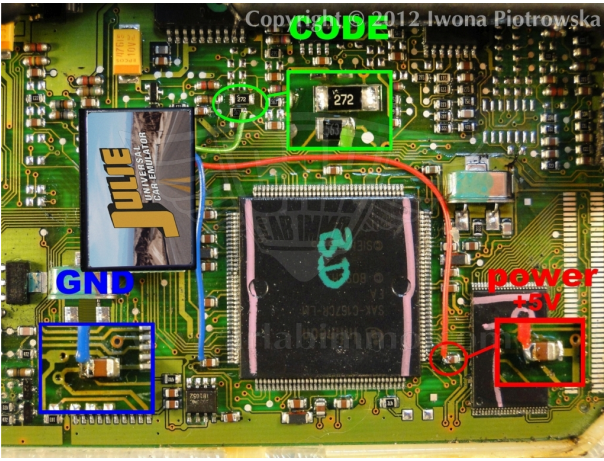
Renault Kangoo 1.9 Diesel 2001

See all emulators

Renault without CAN



In addresses from **02** to **05** and **82** to **85** change these values into **00 00 FF FF** in **95080** memory



Connecting emulator to ECU

- +5V VCC** from capacitor
- GND** 79 pin
- Code** 20 pin

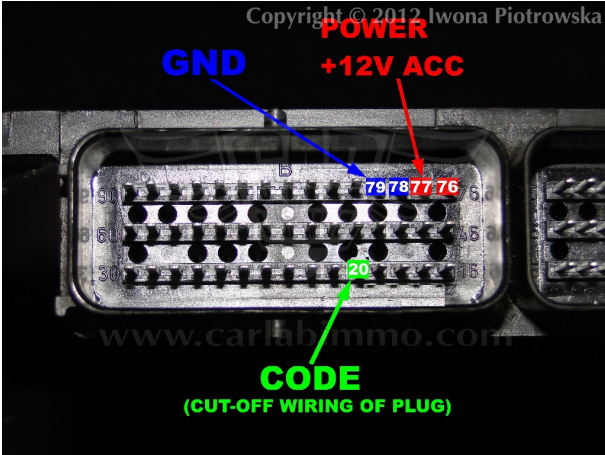


Pin 20 must be bent in socket or cut off from the car wiring.

Connecting emulator to ECU

See all emulators

Renault without CAN

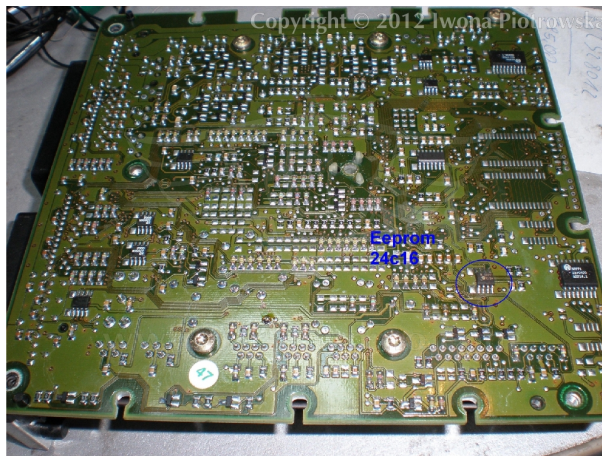


+12V ACC 76 or 77 pin

GND 78 or 79 pin

Code 20 pin Cut off wiring from ECU plug

2.8 TD
(Renault Mascott)

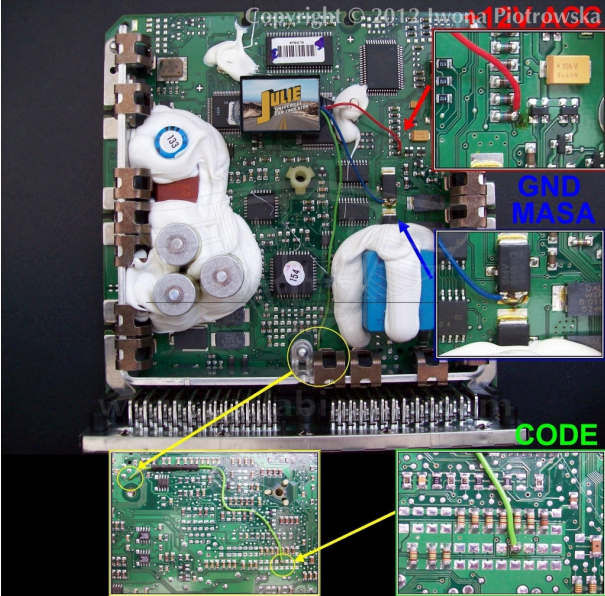


In addresses from **040** to **1FF** change these values into **FF** in **24C16** memory

See all emulators

Renault without CAN

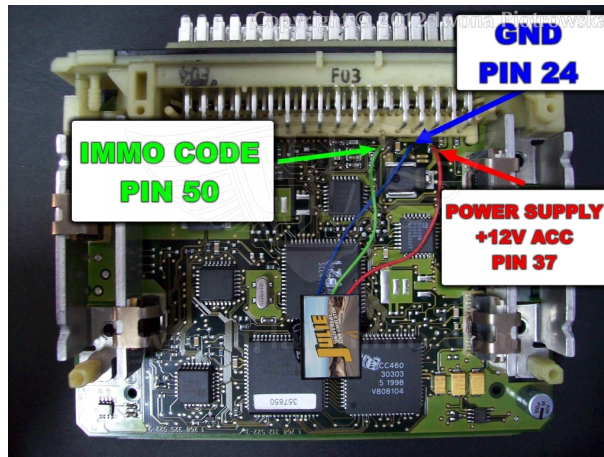
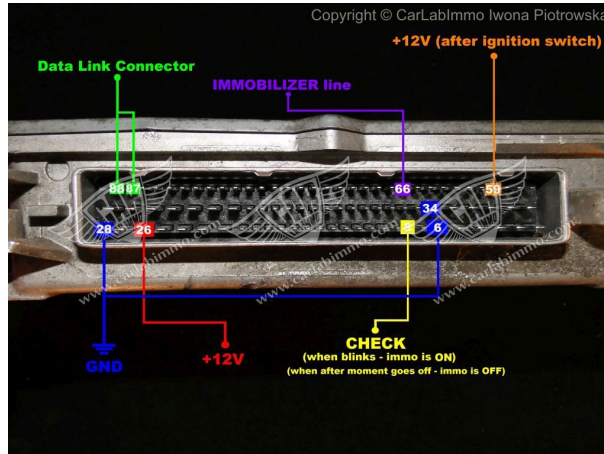
Connecting emulator to ECU



See all emulators

Renault without CAN

1 plug with 24C02 memory (Renault Laguna)



Cut off pin 50 from ECU!!!

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OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000000	03	00	56	55	A9	AA	8C	0D	D9	55	26	AA	FF	FF	FF	FF	..VU@S\$ 0U&S'
00000010	FF	FF	FF	FF	FF	FF	FF	FF	AA	AA	FF	FF	00	00	FF	FF	SS'
00000020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000040	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000050	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	6A	A5	0F	F0	F0	0F	..ZA dd.
00000060	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000070	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
00000090	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
000000F0	FF	FF	FA	FA	AF	AF	50	50	FF	FF	FF	FF	FF	FF	FF	FF	..@ZZPP'

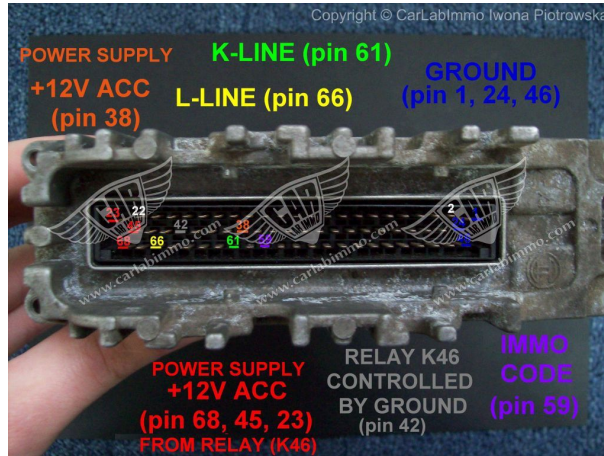
In addresses from **05A** to **05F** and from **0F2** to **0F7** change these values into **FF** in **24C02** memory

In addresses from **05A** to **05F** and from **0F2** to **0F7** change these values into **FF**

See all emulators

Renault without CAN

Volvo S40 and V40 – 1.9TD (Bosch 0 281 001 906 ECU) MSA 15.5-5.40



OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	39	37	32	2E	31	34	AA	AA	39	37	32	2E	31	34	55	55
00000010	AA	55	AA	55	AA	55	AA	55	01	C2	06	A4	00	00	00	00
00000020	00	00	00	00	00	00	00	00	FF	9F	09	49	00	00	00	00
00000030	0B	16	00	00	00	00	00	00	00	27	42	5D	00	00	00	00
00000040	FE	FF	00	00	00	01	00	00	01	00	00	00	88	77	12	C6
00000050	40	5D	00	00	00	00	FF	FF	00	00	00	01	00	00	01	00
00000060	00	00	89	76	12	C6	FF	01	13	11	01	A4	39	00	17	00
00000070	50	00	12	11	40	A0	06	00	53	76	00	82	31	11	11	31
00000080	E4	28	DD	46	93	77	14	11	42	B6	7E	49	EE	88	5A	8D
00000090	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000000F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

03F - 041 = 00 00 FF FF
054 - 057 = 00 00 FF FF

In addresses from **03F** to **041** and from **054** to **057** change these values into **00 00 FF FF** in **24C02** memory

[See all emulators](#)

Warning!!!

Due to possible construction changes of cars, check signals with multimeter in the ECU plug.



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Last updated 11.09.2018