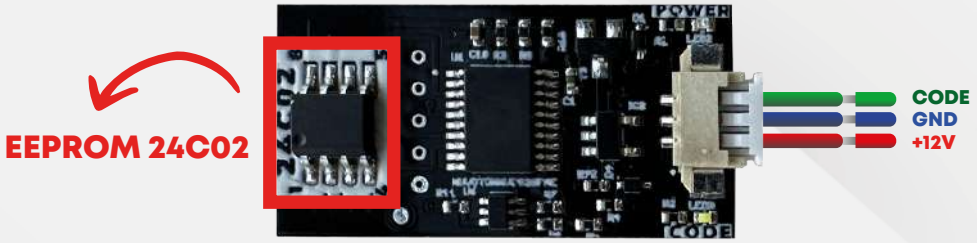
S.O.S®
CAR EMULATOR

HYUNDAI / KIA - IMMO OFF

S.O.S Car Simulator instruction manual

- BOSCH EDC15C7
- BOSCH EDC 17 C08
- BOSCH EDC17C53
- BOSCH EDC17C57
- BOSCH EDC17CP14
- BOSCH EDC16C39
- BOSCH EDC17C08
- BOSCH M7.9.x
- BOSCH ME7.9.8
- BOSCH ME17.9.21.1
- KEFICO M7.9.x
- KEFICO ME7.9.8
- SIEMENS SIMK41
- SIEMENS SIMK43
- SIEMENS SIM2K-47
- CPGPSH2.14.1
- CPEGP2.10.1
- CPEGD2.20.4
- MT38
- ME17.9.11.1
- ME17.9.21.X
- MED17.9.8
- MEG17.9.12 KEFICO
- MEG17.9.13 KEFICO
- MEG17.9.21
- DELPHI DCM3.7AP
- DELPHI TRW DDCR

AND OTHER...



HYUNDAI KIA ECU EMULATOR
Note: PCF7936 transponder works on Smartra 1-2-3 model vehicles, hitag2 keyed, ecu models.

Manual Coding: Ecu. To do the programming you need to have the following information: ecu's pin code.
Pin code example: 112233. Remove the 24c02 eeprom in the emulator and write 00 on the first line and then write the pin code (example 00112233)

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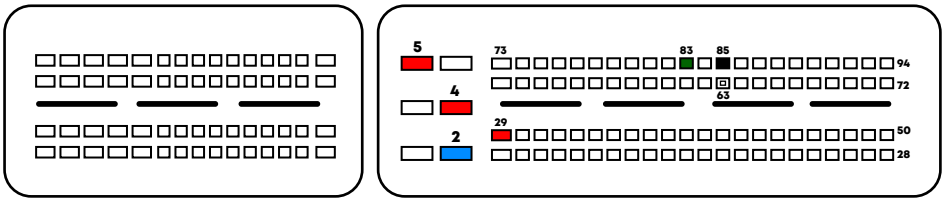
MED 17.9.8

CONNECTION



PIN 4, 5, 29 - 12V (30) | PIN 2 - GND | PIN 85 - CAN H | PIN 63 - CAN L

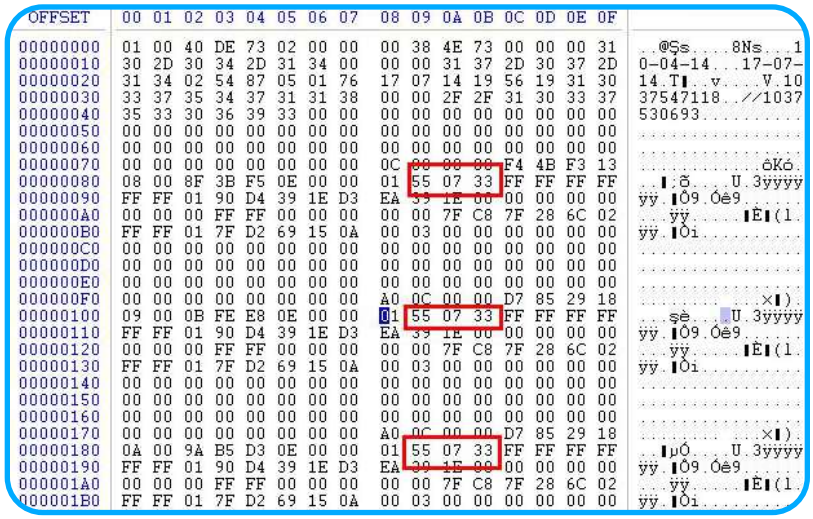
PIN 83 - CUT THIS PIN FROM CAR INSTALLATION

1 **Find the EEPROM memory on the ECU.**

Unsolder the eeprom memory and read its content.

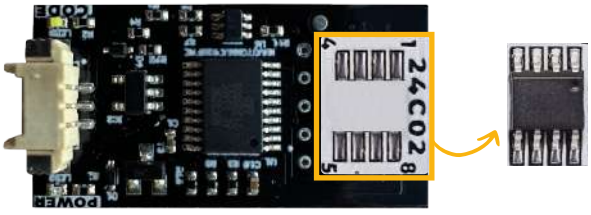
2 **Read the EEPROM memory and find (pin code) as shown in the example on the right.**

ATTENTION: The picture shows example values. These values are different in every ECU.



OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	01	00	40	DE	73	02	00	00	00	38	4E	73	00	00	00	31
00000010	30	2D	30	34	2D	31	34	00	00	00	31	37	2D	30	37	2D
00000020	31	34	02	54	87	05	01	76	17	07	14	19	56	19	31	30
00000030	33	37	35	34	37	31	31	38	00	00	2F	2F	31	30	33	37
00000040	35	33	30	36	39	33	00	00	00	00	00	00	00	00	00	00
00000050	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000070	00	00	00	00	00	00	00	00	0C	00	00	00	F4	4B	F3	13
00000080	08	00	8F	3B	F5	0E	00	00	01	55	07	33	FF	FF	FF	FF
00000090	FF	FF	01	90	D4	39	1E	D3	EA	39	1E	00	00	00	00	00
000000A0	00	00	00	FF	FF	00	00	00	00	00	7F	C8	7F	28	6C	02
000000B0	FF	FF	01	7F	D2	69	15	0A	00	03	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	A0	0C	00	00	D7	85	29	18
00000100	09	00	0B	FE	E8	0E	00	00	01	55	07	33	FF	FF	FF	FF
00000110	FF	FF	01	90	D4	39	1E	D3	EA	39	1E	00	00	00	00	00
00000120	00	00	00	FF	FF	00	00	00	00	00	7F	C8	7F	28	6C	02
00000130	FF	FF	01	7F	D2	69	15	0A	00	03	00	00	00	00	00	00
00000140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000150	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000160	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000170	00	00	00	00	00	00	00	00	A0	0C	00	00	D7	85	29	18
00000180	0A	00	9A	B5	D3	0E	00	00	01	55	07	33	FF	FF	FF	FF
00000190	FF	FF	01	90	D4	39	1E	D3	EA	39	1E	00	00	00	00	00
000001A0	00	00	00	FF	FF	00	00	00	00	00	7F	C8	7F	28	6C	02
000001B0	FF	FF	01	7F	D2	69	15	0A	00	03	00	00	00	00	00	00

3 **Remove 24C02 memory from S.O.S Emulator**

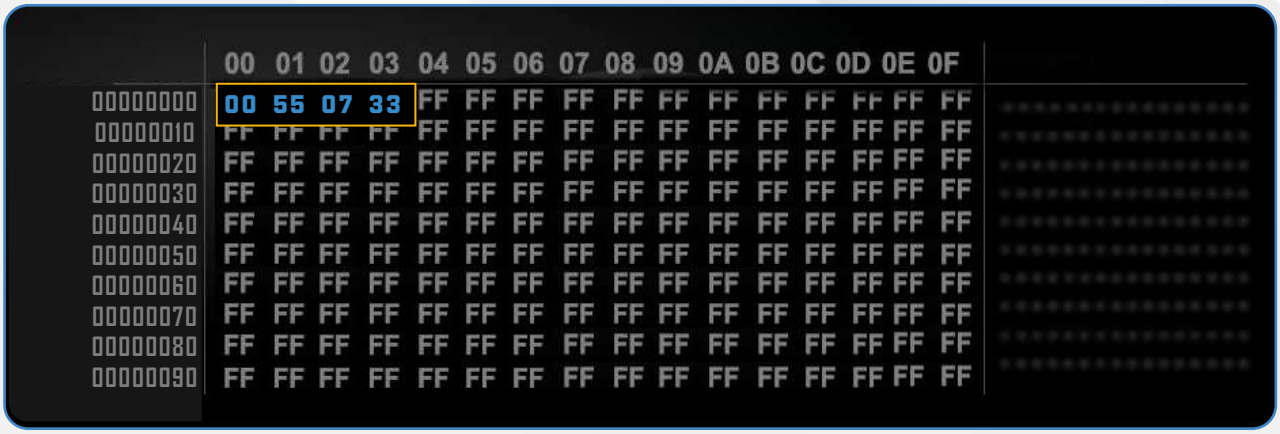


The emulator automatically recognizes the brand and the type of the engine ECU.
It does not require the picking of any jumpers, which is what differentiates it amongst other emulators!

4 **Write the values from Step 2 into the 24C02 memory unsoldered from S.O.S Emulator:**

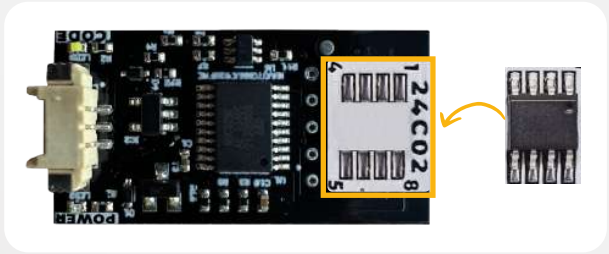
Addresses: Text section (see picture)
Values: Values from Step 2.

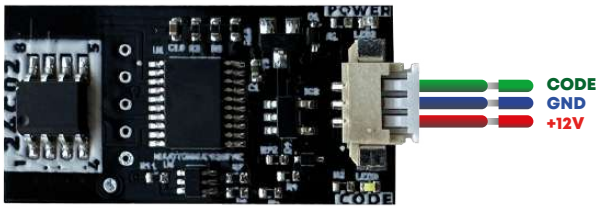
Solder the memory back into S.O.S Emulator.



ATTENTION: When writing the pin code of the eeprom memory, do not forget to add 00 to the first line.

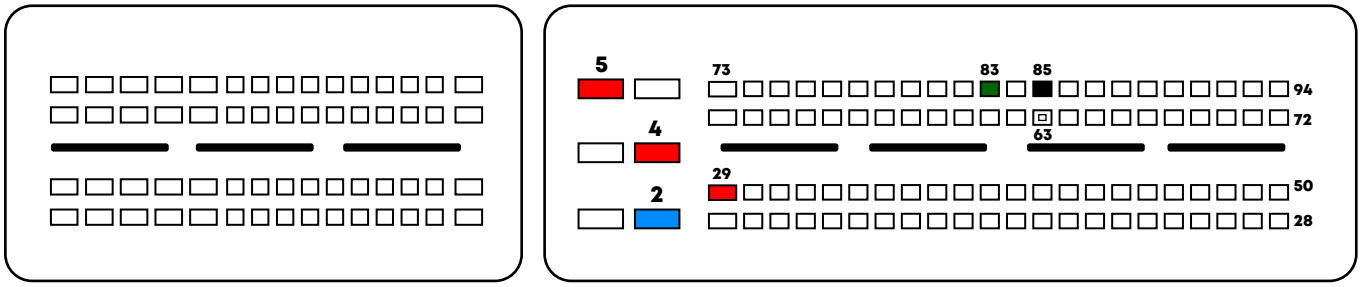
5 **Solder back the 24C02 memory**





6 **Connect S.o.S Emulator to ECU according to the diagram.**

CONNECTION



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