



HYUNDAI / KIA - IMMO OFF

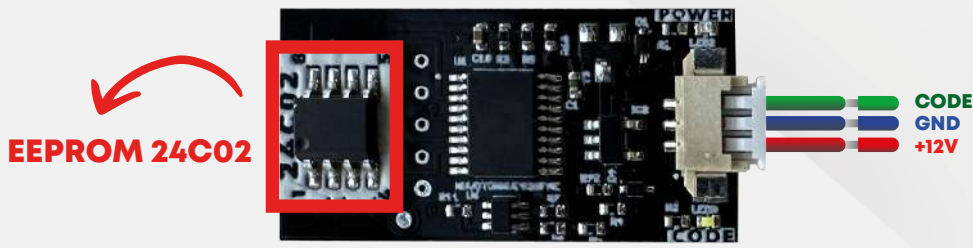
S.O.S Car Simulator instruction manual

- 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.

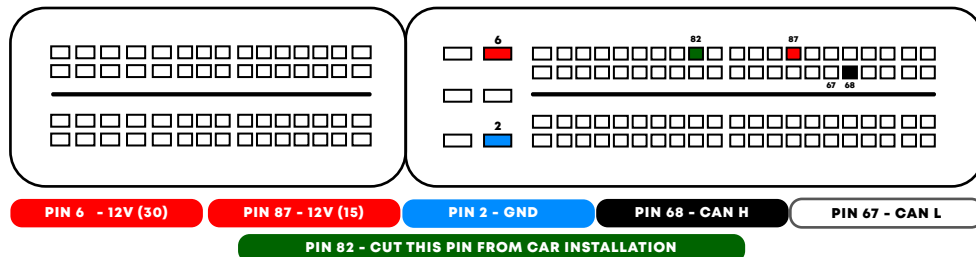
Manual Coding: Ecu. To do the programming you need to have the following information: ecu's pin code.
Pin code example: 112233. Remove the 24c02 eeprom in the emulator and write 00 on the first line and then write the pin code (example 00112233)

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EDC 17 CP14



CONNECTION



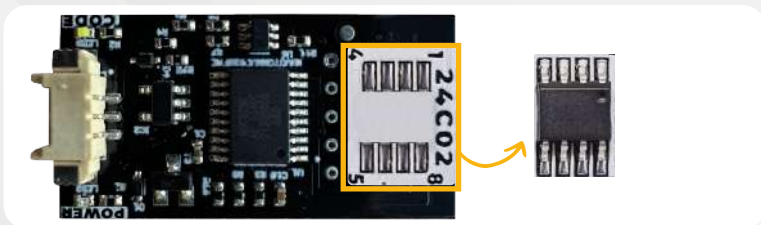
- Find the EEPROM memory on the ECU.
Unsolder the eeprom memory and read its content.

- 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	
0000FF60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FF70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FF80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FF90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFA0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFB0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFC0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFD0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFE0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0000FFF0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010000	01	00	52	5E	52	38	00	00	00	35	8E	5F	30	00	00	30	.....
00010010	31	2D	33	32	2D	31	31	00	00	00	30	31	2D	31	32	2D	1-12-11...01-12-
00010020	31	31	02	54	85	04	01	27	01	12	11	11	24	38	31	30	11.11...8810
00010030	33	37	35	31	39	32	35	31	70	02	2F	2F	31	30	33	37	37519251p...1037
00010040	33	39	37	31	36	30	00	00	00	00	00	00	00	00	00	00	297160
00010050	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010070	00	00	00	00	00	00	00	00	09	00	00	00	00	00	00	00	.....
00010080	00	00	00	00	00	00	00	00	01	47	86	22	FF	FF	FF	FF	.....
00010090	FF	FF	02	0F	11	59	18	BF	F3	58	18	00	00	00	00	00	.....
000100A0	00	00	00	23	45	00	05	00	00	00	24	FA	84	C3	EA	49	.....
000100B0	FF	FF	01	42	6C	E5	3A	94	00	03	00	00	00	00	00	00	.....
000100C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000100D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000100E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
000100F0	00	00	00	00	00	00	00	00	1E	51	00	00	40	DE	69	9A	.....
00010100	09	00	00	06	68	69	00	00	01	47	86	22	FF	FF	FF	FF	.....
00010110	FF	FF	02	0F	11	59	18	BF	F3	58	18	00	00	00	00	00	.....
00010120	00	00	00	23	45	00	05	00	00	00	24	FA	84	C3	EA	49	.....
00010130	FF	FF	03	42	6C	E5	3A	94	00	03	00	00	00	00	00	00	.....
00010140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010150	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010160	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00010170	00	00	00	00	00	00	00	00	1E	51	00	00	40	DE	69	9A	.....
00010180	0A	00	E0	87	68	69	00	00	01	47	86	22	FF	FF	FF	FF	.....
00010190	FF	FF	02	0F	11	59	18	BF	F3	58	18	00	00	00	00	00	.....
000101A0	00	00	00	23	45	00	05	00	00	00	24	FA	84	C3	EA	49	.....
000101B0	FF	FF	03	42	6C	E5	3A	94	00	03	00	00	00	00	00	00	.....

- 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)

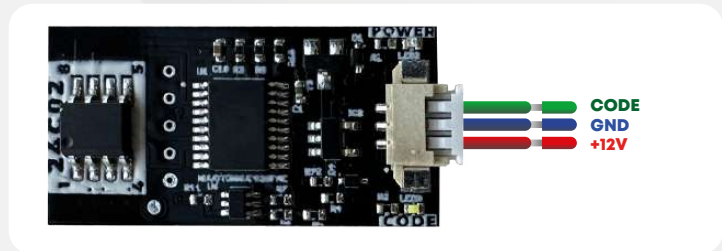
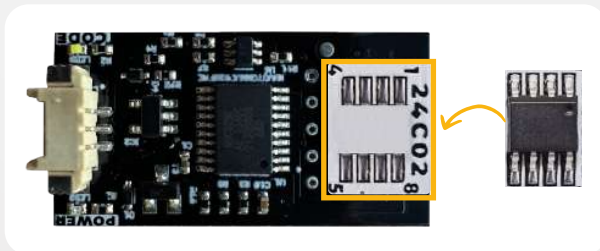
Values: **Values from Step 2.**

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

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	47	86	22	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
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	FF	FF	FF	FF	FF	FF
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

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

