



# HYUNDAI / KIA - IMMO OFF

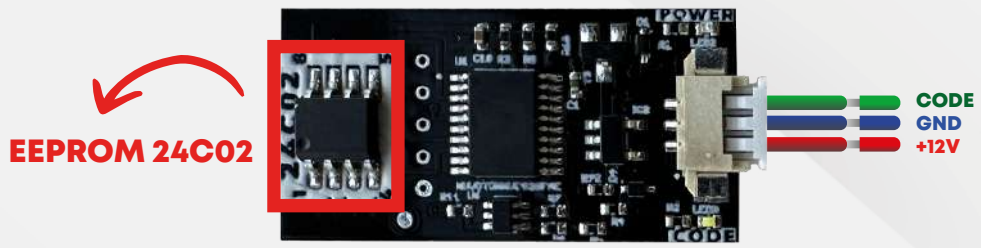
S.O.S Car Simulator instruction manual

- 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.**

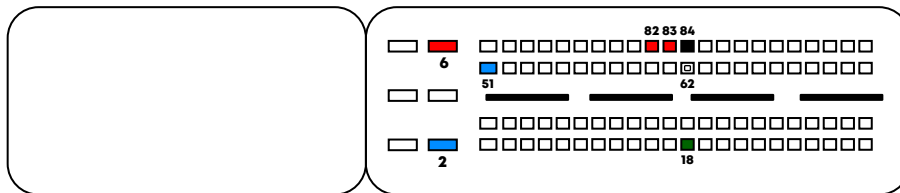
**Manual Coding: Ecu. To do the programming you need to have the following information: ecu's pin code.**  
**Pin code example: 112233. Remove the 24c02 eeprom in the emulator and write 00 on the first line and then write the pin code (example 00112233)**

# HYUNDAI / KIA - IMMO OFF

## M 7.9.8



### CONNECTION



**PIN 6, 82, 83 + 12V (30)**

**PIN 2, 51 - GND**

**PIN 84 - CAN H**

**PIN 62 - CAN L**

**PIN 18 - CUT THIS PIN FROM CAR INSTALLATION**

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

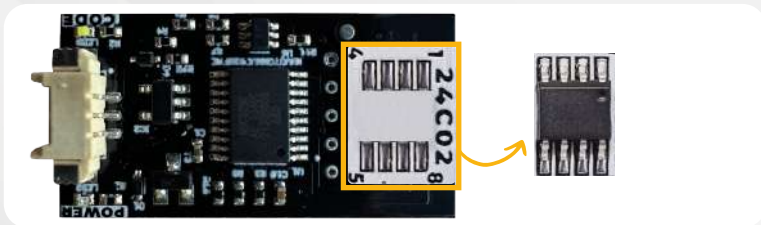
**Unsolder the eeprom memory and read its content.**

**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	FF	FF	FF	FF	3B	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyy.yyyyyyyyyy
00000010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyy.yyyyyyyyyy
00000020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyy.yyyyyyyyyy
00000030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyy.yyyyyyyyyy
00000040	00	00	20	20	20	20	20	20	20	20	20	20	20	20	7C	FE	..... s
00000050	20	20	20	20	20	00	FF	FF	FF	FF	00	00	00	00	5F	FB	.....yyyy.....u
00000060	30	30	30	30	30	30	30	30	30	30	30	30	00	00	BA	FD	000000000000...?i
00000070	20	20	20	20	20	20	20	20	20	20	00	00	00	00	B9	FE	..... s
00000080	20	20	20	20	20	20	20	20	20	20	00	00	00	00	B8	FE	..... s
00000090	39	30	33	30	39	33	33	37	30	32	00	00	00	00	F3	FD	9030933702...?i
000000A0	00	00	01	00	00	00	00	00	00	00	00	00	00	00	F5	FF	.....?y
000000B0	FF	FF	00	00	00	00	00	00	00	00	00	00	00	00	F7	FD	yy.....-1
000000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
000000D0	FF	FF	01	00	00	00	00	00	02	00	03	00	00	00	EF	FD	yy.....11
000000E0	FF	FF	01	00	00	00	00	00	02	00	03	00	00	00	EF	FD	yy.....11
000000F0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	F1	FF	.....?y
00000100	00	00	00	00	00	00	00	00	00	00	00	00	00	00	F1	FF	.....?y
00000110	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000120	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000130	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000150	FF	FF	FF	FF	FF	FF	FF	FF	FF	44	DD	4E	94	BC	6D	F6	.....?yDIN ?ac
00000160	FF	FF	FF	FF	FF	FF	FF	FF	FF	44	DD	4E	94	BC	6D	F6	.....?yDIN ?ac
00000170	4C	0D	98	11	95	93	7E	11	00	00	00	00	00	00	30	FD	L.I.II".....0?

**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:

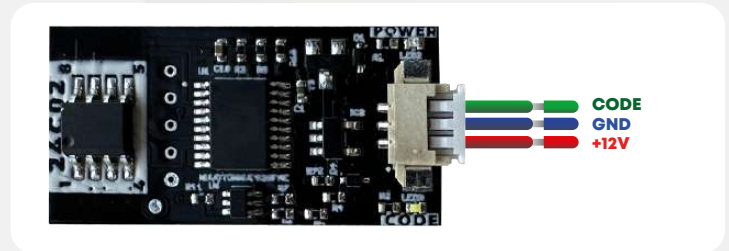
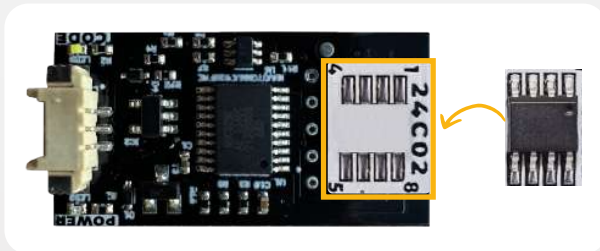
Addresses: **Text section** (see picture)  
 Values: **Values from Step 2.**

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

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	58	36	37	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

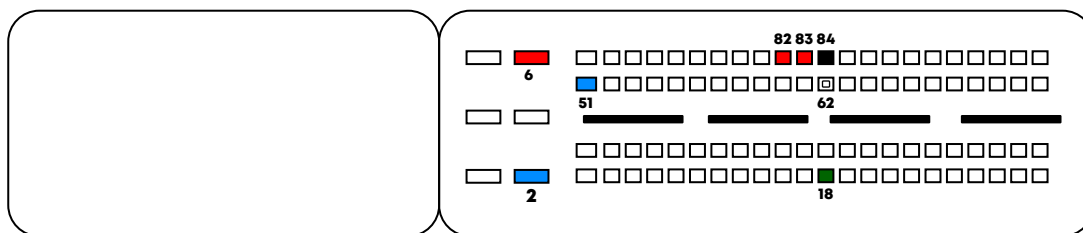
**ATTENTION:** When writing the pin code of the eeprom memory, do not forget to add 00 to the first line.

**5** Solder back the 24C02 memory



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

### CONNECTION



**PIN 6, 82, 83 + 12V (30)**

**PIN 2, 51 - GND**

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