



# HYUNDAI / KIA - IMMO OFF

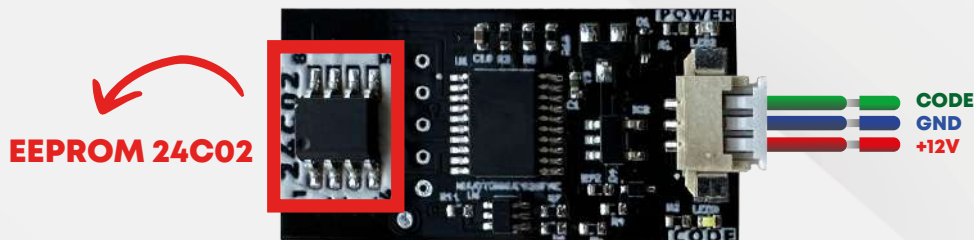
S.O.S Car Simulator instruction manual

- 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...**



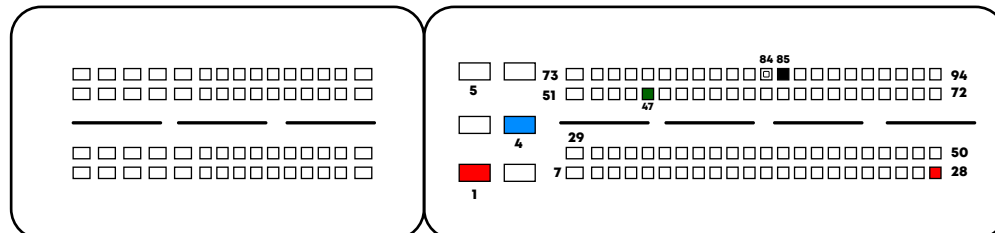
**HYUNDAI KIA ECU EMULATOR**  
**Note: PCF7936 transponder works on Smartra 1-2-3 model vehicles, hitag2 keyed, ecu models.**

**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

## EDC 16 C 39

### CONNECTION



PIN 1, 28 - 12V (30)

PIN 4 - GND

PIN 85 - CAN H

PIN 84 - CAN L

PIN 47 - CUT THIS PIN FROM CAR INSTALLATION

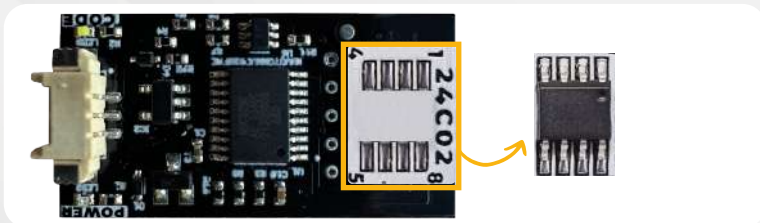
- Find the EEPROM memory on the ECU.  
Unsolder the eeprom memory and read its content.

- 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	
00000000	00	00	63	8F	38	FF	FF	32	33	2D	31	32	2D	30	35	FF	8 8yy23-12-05y
00000010	FF	FF	32	33	2D	31	32	2D	30	35	02	54	86	04	01	41	yy23-12-05.T   . A
00000020	23	12	05	10	57	30	31	30	33	37	33	37	39	32	39	32	# . . W01037379292
00000030	20	01	2F	2F	31	30	33	37	33	37	37	38	37	35	F0	3F	//1037377875g?
00000040	CE	AC	EA	FC	91	5B	51	17	00	00	00	00	00	00	00	00	I-éu' [Q
00000050	01	01	00	00	02	00	12	34	56	F0	FF	FF	FF	FF	FF	00	4Vyyyyyy.
00000060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....ô±
00000070	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	F4	B1
00000080	CE	AC	EA	FC	91	5B	51	17	00	00	00	00	00	00	00	00	I-éu' [Q
00000090	01	01	00	00	02	00	12	34	56	F0	FF	FF	FF	FF	FF	00	4Vyyyyyy.
000000A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....ô±
000000B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	F4	B1
000000C0	49	00	FF	B6	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	I y!yyyyyyyyyyyy
000000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
000000E0	49	00	FF	B6	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	I y!yyyyyyyyyyyy
000000F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000100	49	00	FF	B6	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	I y!yyyyyyyyyyyy
00000110	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000120	55	FF	AA	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Uy#yyyyyyyyyyyy
00000130	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy
00000140	55	FF	AA	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Uy#yyyyyyyyyyyy
00000150	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	yyyyyyyyyyyyyyyy

- Remove 24C02 memory from S.O.S Emulator



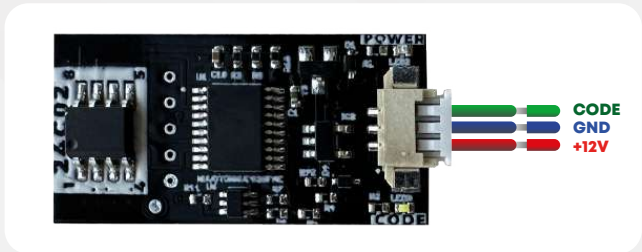
The emulator automatically recognizes the brand and the type of the engine ECU. It does not require the picking of any jumpers, which is what differentiates it amongst other emulators!

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	12	34	56	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.

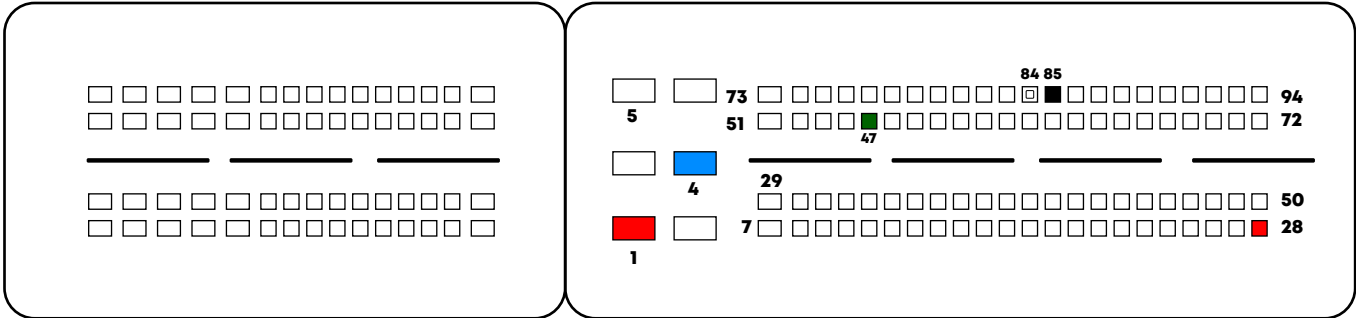
**5** Solder back the 24C02 memory

Use tin to bridge leg 7 and 8 of the 24C02 memory



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

**CONNECTION**



- PIN 1, 28 - 12V (30)
  - PIN 4 - GND
  - PIN 85 - CAN H
  - PIN 84 - CAN L
- PIN 47 - CUT THIS PIN FROM CAR INSTALLATION**