



# HYUNDAI / KIA - IMMO OFF

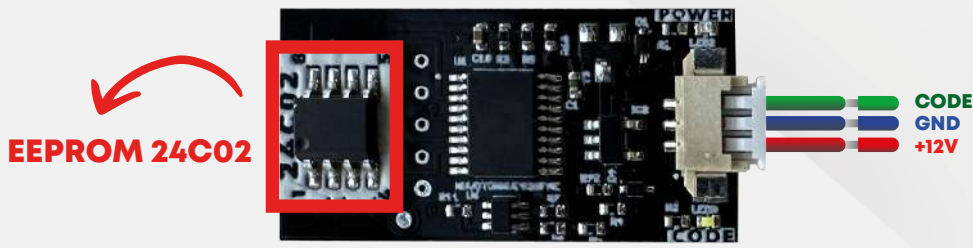
S.O.S Car Simulator instruction manual

- 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.**

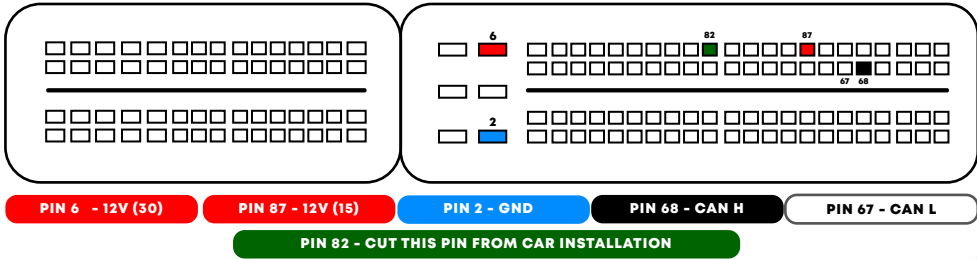
**Manual Coding: Ecu. To do the programming you need to have the following information: ecu's pin code.**  
**Pin code example: 112233. Remove the 24c02 eeprom in the emulator and write 00 on the first line and then write the pin code (example 00112233)**

# HYUNDAI / KIA - IMMO OFF

## EDC 17 CP14



### CONNECTION



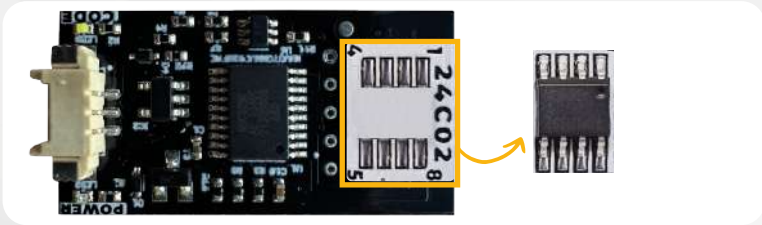
- Find the EEPROM memory on the ECU.  
Unsolder the eeprom memory and read its content.

- 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 | 35 | 8E | 5F | 30 | 00 | 00 | 30 | 5'R...5I'D..0 |                   |
| 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            | 397160            |
| 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 | 09 | 1B | C9 | EA            | ...S.E8           |
| 00010080 | 00 | 00 | 6F | 96 | 69 | 69 | 00 | 00 | 01 | 47 | 86 | 22 | FF | FF | FF | FF            | ...01ki...GI'yyyy |
| 00010090 | FF | FF | 02 | 0F | 11 | 59 | 18 | BF | F3 | 58 | 18 | 00 | 01 | 00 | 00 | 00            | yy...Y.ZkK        |
| 000100A0 | 00 | 00 | 00 | 23 | 45 | 00 | 05 | 00 | 00 | 00 | 24 | FA | 84 | C3 | EA | 49            | ...#E...su1kE1    |
| 000100B0 | FF | FF | 01 | 42 | 6C | E5 | 3A | 94 | 00 | 03 | 00 | 00 | 00 | 00 | 00 | 00            | yy.E1a...1        |
| 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 | 18 | 51 | 00 | 00 | 40 | DE | 69 | 9A            | ...a.#511         |
| 00010100 | 09 | 00 | 30 | 06 | 68 | 69 | 00 | 00 | 01 | 47 | 86 | 22 | FF | FF | FF | FF            | ...1hi...GI'yyyy  |
| 00010110 | FF | FF | 02 | 0F | 11 | 59 | 18 | BF | F3 | 58 | 18 | 00 | 01 | 00 | 00 | 00            | yy...Y.ZkK        |
| 00010120 | 00 | 00 | 00 | 23 | 45 | 00 | 05 | 00 | 00 | 00 | 24 | FA | 84 | C3 | EA | 49            | ...#E...su1kE1    |
| 00010130 | FF | FF | 01 | 42 | 6C | E5 | 3A | 94 | 00 | 03 | 00 | 00 | 00 | 00 | 00 | 00            | yy.E1a...1        |
| 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 | 18 | 51 | 00 | 00 | 40 | DE | 69 | 9A            | ...a.#511         |
| 00010180 | 0A | 00 | E0 | 87 | 68 | 69 | 00 | 00 | 01 | 47 | 86 | 22 | FF | FF | FF | FF            | ...1hi...GI'yyyy  |
| 00010190 | FF | FF | 02 | 0F | 11 | 59 | 18 | BF | F3 | 58 | 18 | 00 | 01 | 00 | 00 | 00            | yy...Y.ZkK        |
| 000101A0 | 00 | 00 | 00 | 23 | 45 | 00 | 05 | 00 | 00 | 00 | 24 | FA | 84 | C3 | EA | 49            | ...#E...su1kE1    |
| 000101B0 | FF | FF | 01 | 42 | 6C | E5 | 3A | 94 | 00 | 03 | 00 | 00 | 00 | 00 | 00 | 00            | yy.E1a...1        |

- 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)

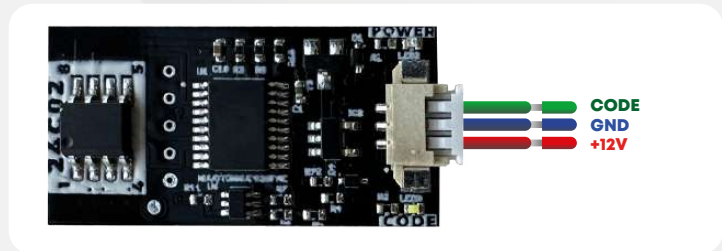
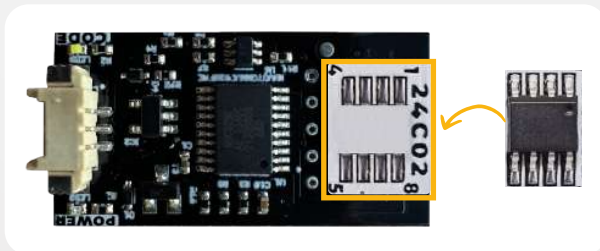
Values: **Values from Step 2.**

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

