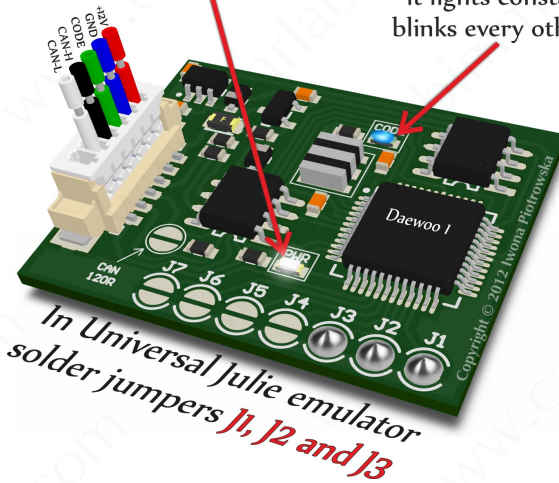




DAEWOO 1 IMMO EMULATOR

White diode – power

Blue diode – after adjusting
it lights constantly and
blinks every other second

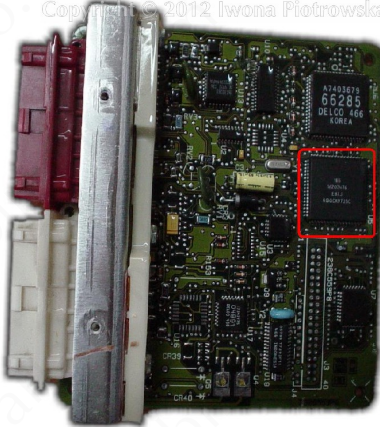


*In Universal Julie emulator
solder jumpers **J1, J2 and J3***

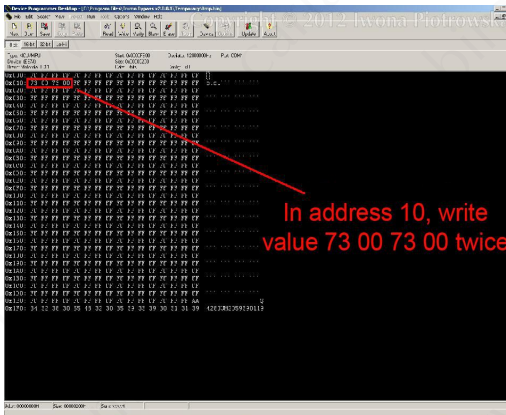
USE

ECUs with white - red sockets and ECUs with blue sockets
ECU with white – red socket

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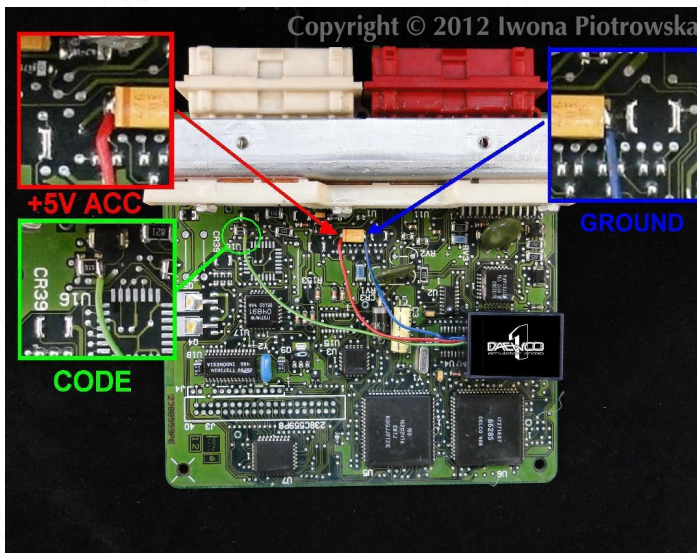


This emulator requires modification of Motorola HC11F1 processor located in ECU.



In address 10, write value 73 00 73 00 twice

technical support at www.carlabimmo.com/forumang/

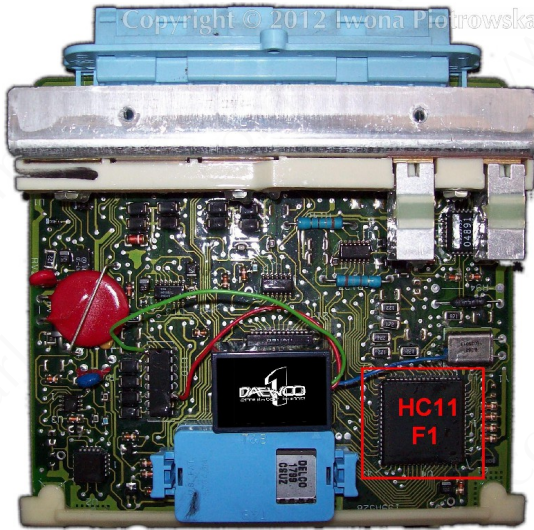


Once you modified Motorola, connect emulator to the ECU as pictured.

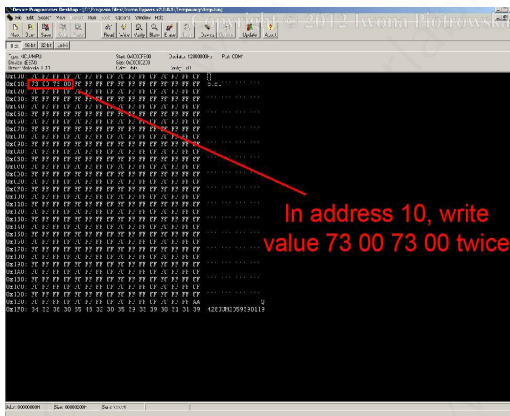
Before connecting the emulator, it must be precisely insulated with insulation tape and the original immobiliser must be disconnected!!!

In case of problems with starting the car, disconnect power supply (+12V) in ECU and connect +12V Acc in place of power supply.

ECU with blue socket



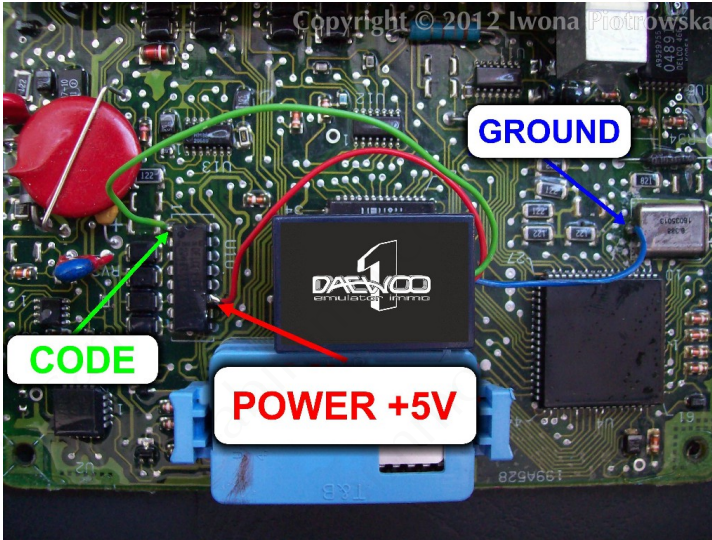
This emulator requires modification of Motorola HC11F1 processor located in ECU



The screenshot shows a debugger window with a memory dump. A red arrow points to the value 73 00 73 00 at memory address 0x0010. The text "In address 10, write value 73 00 73 00 twice" is overlaid on the image.

```
0x0000: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0001: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0002: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0003: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0004: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0005: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0006: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0007: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0008: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0009: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0010: 73 00 73 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0011: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0012: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0013: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0014: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0015: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0016: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0017: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0018: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x0019: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001A: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001B: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001C: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001D: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001E: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
0x001F: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
```

In address 10, write value 73 00 73 00 twice



Once you modified Motorola, connect emulator to the ECU as pictured.

- | | |
|----------------|---------------------------|
| GND | GND of resonator (quartz) |
| CODE | leg 1 of DELCO 9621 unit |
| +5V Vcc | Leg 11 of DELCO 9621 unit |

Disconnect immo or cut off pin B7 from ECU

Before connecting the emulator, it must be precisely insulated with insulation tape and the original immobiliser must be disconnected!!!

In case of problems with starting the car, disconnect power supply (+12V) in ECU and connect +12V Acc in place of power supply.

Warning!!!

Due to possible construction changes of cars, check signals with multimeter in the ECU plug.

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