

Suzuki

CLIXE Emulator Instruction Manual

IMMO OFF PROGRAM

**This product doesn't support vehicles
with Opel immobiliser (TMS)**



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● Program introduction



Program usage

Mitsubishi & Hitachi ECUs equipped with following memories:

93LC46 24C04 X24C01 OKI



Example ECUs

Mitsubishi

33920-86G1	33920-82DM 0	33920-82D2 1	33920-80CK 0	33920-80CG 0
33920-79E5 0	33920-71EE 0	33920-71ED 0	33920-70F7 0	33920-70EM 0
33920-70E1 0	33920-65DG 1	33920-65DG 0	33920-51J3 1	

Hitachi

33920-75FG 0	33920-67DG 0
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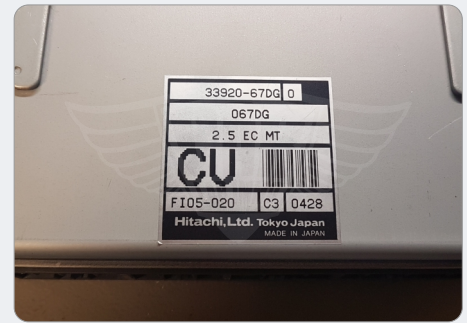


Example cars

Suzuki

Grand Vitara I	Ignis	Justy (Subaru)	Samurai	Vitara	Wagon R
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● ECU with 93LC46 memory (Hitachi ECUs)



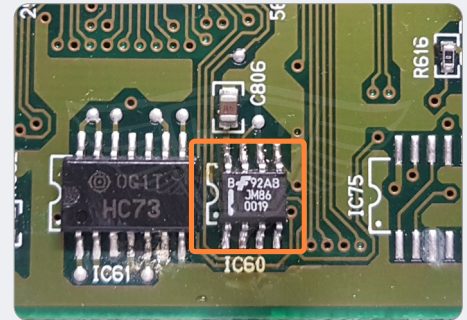
1

Find 93LC46 eeprom memory and unsoldering it.



Attention!

- Depending on the ECU, the memory may have different names, e.g.:
BF92AB, B03AF JM86, B87AD.
You should be read them as 93LC46 memory.



2

Using a programmer, change the following values in memory content:

Addresses: 004, 005, 008, 009, 00C, 00D, 010, 011,
014, 015, 018, 019

Values: 33

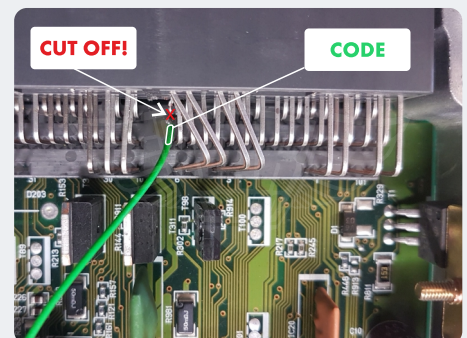
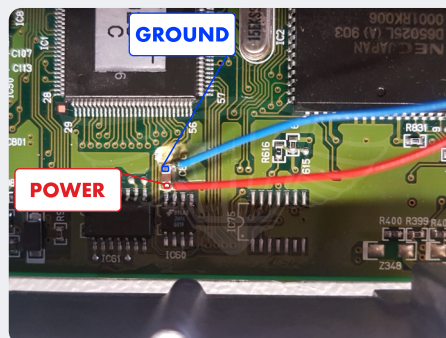
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	55	FF	FF	33	33	FF	FF	33	33	FF	FF	33	33	FF	FF
00000001	33	33	FF	FF	33	33	FF	FF	33	33	FF	FF	33	33	FF	FF
00000002	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000003	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000004	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000005	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000006	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000007	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

3

Connect Julie Emulator to the ECU
according to the diagram on the right.

Disconnect the immo box!

(For alternative connection examples
go to last page)

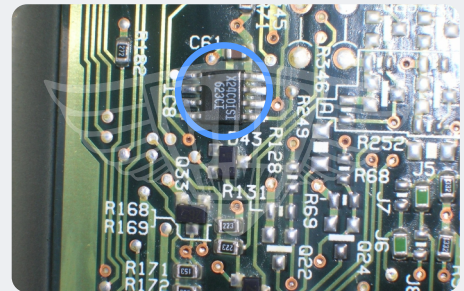


End of the procedure

● ECU with X24C01 memory

1

Find **X24C01** EEPROM memory and unsolder it



2

Using the programmer change the following values in memory content:

Addresses: **04 - 0F**

Values: **33**

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0x00	FF	FF	5A	A5	33	33	33	33	33	33	33	33	33	33	33	33
0x10	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x20	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x30	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x40	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x50	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x60	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x70	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x80	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
0x90	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

3

Disconnect the immo box

4

Connect the emulator to the ECU using [Connection Examples](#) on the page 7

5

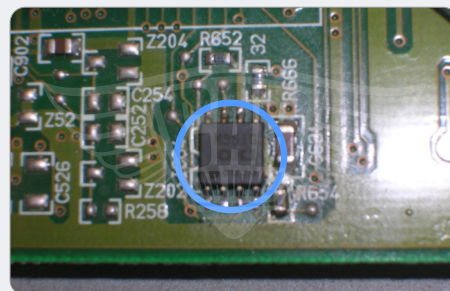
Check the emulator's LED behaviour
If the procedure is successfully completed the [blue LED lights constantly and blinks every other second](#)

End of the procedure

● ECU with OKI memory read as 93LC56

1

Find [OKI](#) EEPROM memory and unsolder it



2

Using the programmer read the memory as [93LC56](#)

3

Change the following values in memory content:

Adresses:

[04 - 05](#) [08 - 09](#) [0C - 0D](#)

[10 - 11](#) [14 - 15](#) [18 - 19](#)

Values: [33](#)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
0x00																
0x10	33	33			33	33			33	33			33	33		
0x20					33	33			33	33						
0x30																
0x40																
0x50																
0x60																
0x70																
0x80																
0x90																

4

Save it as [93LC56](#) memory

5

Disconnect the immo box

6

Connect the emulator to the ECU using [Connection Examples](#) on the page 7

7

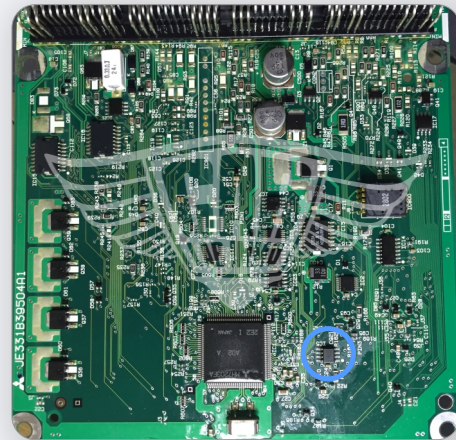
Check the emulator's LED behaviour
If the procedure is succesfuly completed the [blue LED](#) lights constantly and blinks every other second

[End of the procedure](#)

● ECU with 24C04 memory

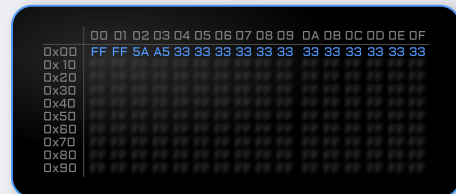
1

Find 24C04 EEPROM memory and unsolder it



2

Using the programmer change the following values in memory content:
Addresses: 00 - 0F
Values: FF FF 5A A5 33 33 33 33 33 33 33 33 33 33 33 33

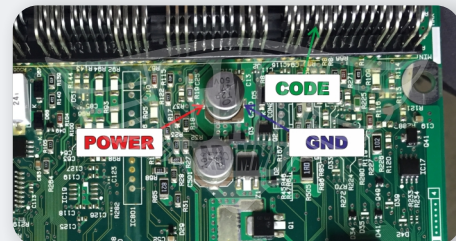


3

Disconnect the immo box

4

Connect the emulator to the ECU according to the diagram on the right
(For alternative connection examples go to last page)

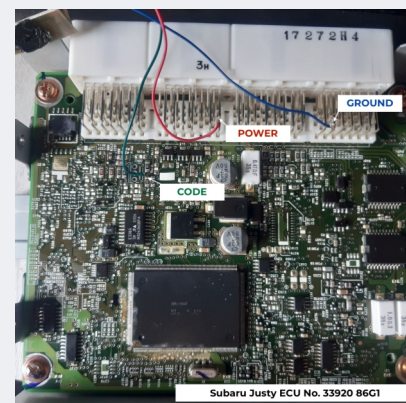
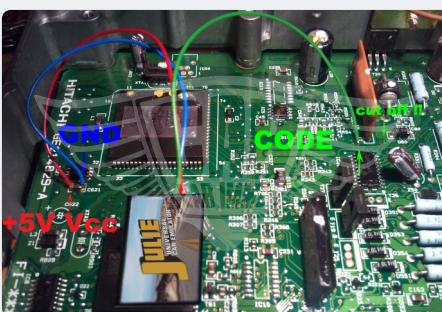
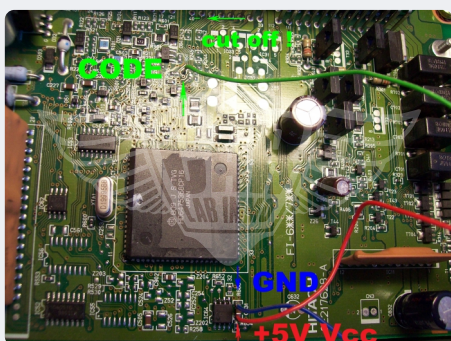
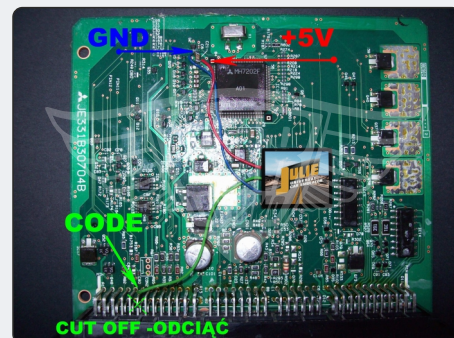
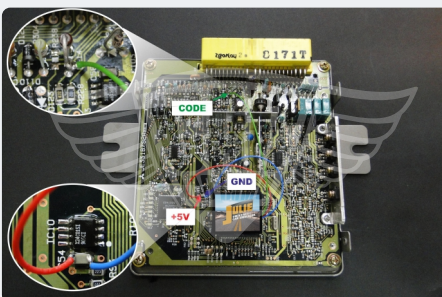
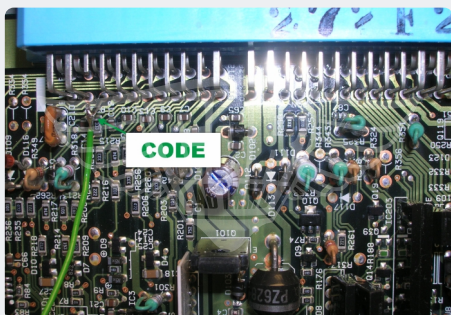
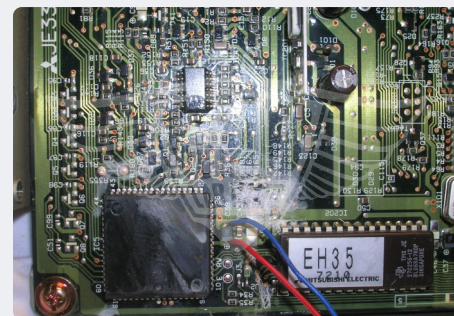
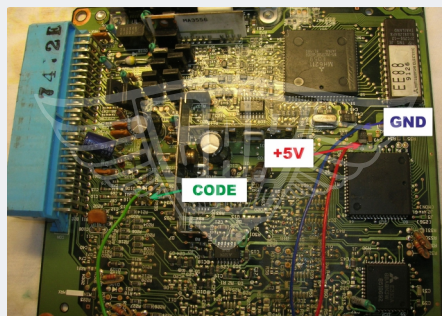
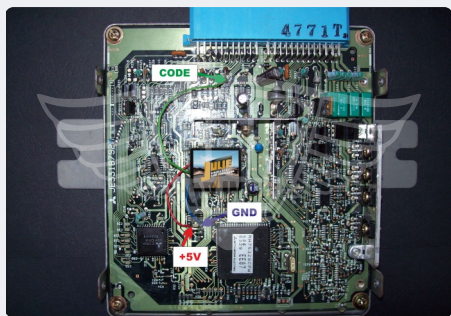


5

Check the emulator's LED behaviour
If the procedure is successfully completed the blue LED lights constantly and blinks every other second

End of the procedure

● Connection examples



If you haven't found your ECU in the examples above, you can connect the Emulator in place of the immo box

