

FIAT 3

Julie PRO Emulator instruction manual

IMMO OFF PROGRAM

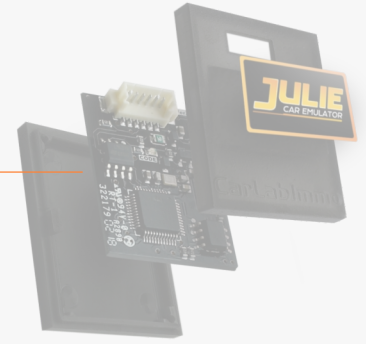


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ECUs that require sending ECU to our Laboratory:

Bosch **EDC16C7**
 Bosch **EDC15C7**
 Bosch **EDC15C5**
 Bosch **MED17**
 Bosch **MED17.31**
 Bosch **MED9.6**
 Bosch **MED7.6.2**
 Bosch **ME7.6.3**
 Bosch **ME7.3.1**
 Bosch **ME2.1**
 Bosch **M1.5.5**

Magneti Marelli **IAW 6J**
 Magneti Marelli **IAW 59F**
 Magneti Marelli **IAW 49F**
 Magneti Marelli **8GSF**

Siemens **SID803A**

Contact us before sending the ECU>

● Program introduction



Program usage

Fiat cars

with ECUs listed below:

Bosch EDC16C39
Bosch EDC16C34 (PSA Group)
Bosch MED7.9.10
Magnetit Marelli 11GF | 11GF.xx
Magnetit Marelli 9GF
Magnetit Marelli 8F3
Magnetit Marelli 8GMC
Magnetit Marelli 8GMF
Magnetit Marelli 8GSW
Magnetit Marelli IAW 7GF
Magnetit Marelli IAW 5SF
Magnetit Marelli MJD 9DF
Magnetit Marelli MJD 6F3



Example ECUs (Full list on page 19)

Bosch

0 281 018 720
0 281 017 784
0 281 016 291
0 281 015 951
0 281 014 444 (PSA Group)
0 281 013 675
0 281 012 992
0 281 B04 453-02
0 281 B03 940-05
0 281 B02 539
0 261 201 759
0 261 201 757
0 261 S07 416
0 261 S06 518
0 261 S05 872
0 261 S05 818
0 261 S04 660

Magnetit Marelli

9GF.T9	8GSW.EA	7GF.PU	MJD 6F3.PL
9GF.T7	8GSW.ED	5SF8.MR	
9GF.T6	8GSW.EM	5SF8.NS	
9GF.TE	8GSW.H7	5SF8.P2	
9GF.TK	8GSW.H2	5SF8.M2	
8F3.F6	8GSW.MP	5SF8.M1	
8GMC.C1	7GF.6D	MJD 9DF.A1	
8GMF.01	7GF.5B	MJD 9DF.B1	
8GMF.AA	7GF.B4	MJD 9DF.F3	
8GMF.A3	7GF.E4	MJD 9DF.X1	
8GMF.A4	7GF.EB	MJD 9DF.Y1	
8GMF.A5	7GF.FV	MJD 6F3.B1	
8GMF.A6	7GF.LA	MJD 6F3.D4	
8GMF.A9	7GF.NT	MJD 6F3.H1	
8GSW.CA	7GF.NZ	MJD 6F3.HA	
8GSW.E9	7GF.PC	MJD 6F3.P7	
8GSW.E2	7GF.PM	MJD 6F3.P5	



Example cars (Full list on page 19)

Alfa Romeo

159
147
Giulietta
MiTo

Chrysler

(with Fiat engine)
Delta
Ypsilon

Citroen

Nemo

Fiat

500
500 Abarth
500 Esesse
500L
500 Tributo Ferrari
500 Turbo
Abarth Grande Punto
Abarth Punto EVO
Bravo
Croma
Doblo
Doblo Cargo
Ducato
Fiorino
Grande Punto
Idea
Linea
Multipla
Panda
Panda 4x4
Punto EVO
Sedici
Stilo
Qubo

Ford

(with Fiat engine)
KA

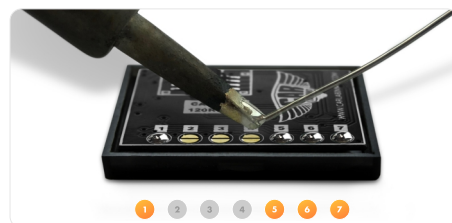
Lancia

Delta
Ypsilon

Peugeot

Bipper

● ● ● Jumpers to solder



To choose the program you have to solder specific jumpers on the back of the Emulator:

1 + 5 + 6 + 7

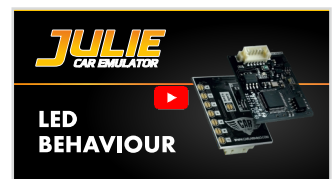
If it doesn't work, use one of the following jumper configurations:

1 + 5 + 6 + 7 and CAN 120R

5 + 6 + 7

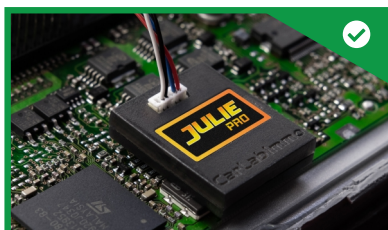
5 + 6 + 7 and CAN 120R

Check the Julie's LED behaviour
If the procedure is successfully completed the
blue LED lights constantly and blinks
once every two seconds!

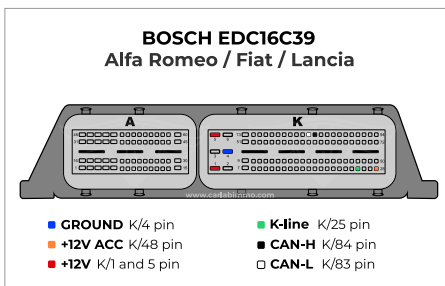


Attention!

Always put the Emulator back into the plastic cover before attaching it to the ECU board.
Attaching the Emulator to the ECU board without the plastic cover may result in damaging the ECU or the Emulator!

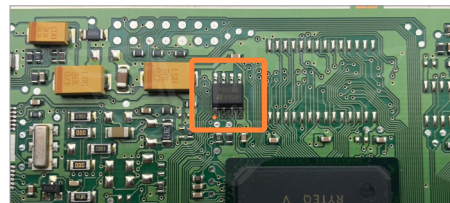


Bosch EDC16C39



1

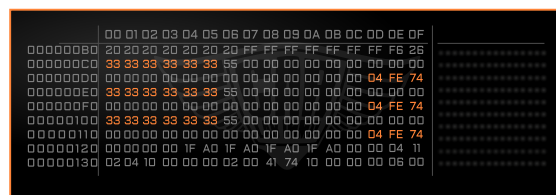
Find **95640** EEPROM memory and unsolder it



2

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

0C0 to 0C5	33 33 33 33 33 33
0DD to 0DF	04 FE 74
0E0 to 0E5	33 33 33 33 33 33
0FD to 0FF	04 FE 74
100 to 105	33 33 33 33 33 33
11D to 11F	04 FE 74



3

To choose the program you have to solder specific jumpers on the back of the Emulator:

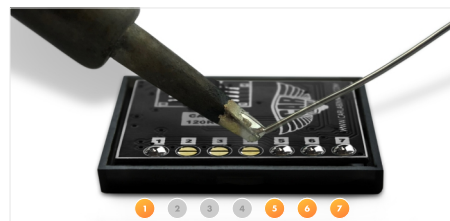
1 + 5 + 6 + 7

If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R

5+6+7

5+6+7+CAN120R



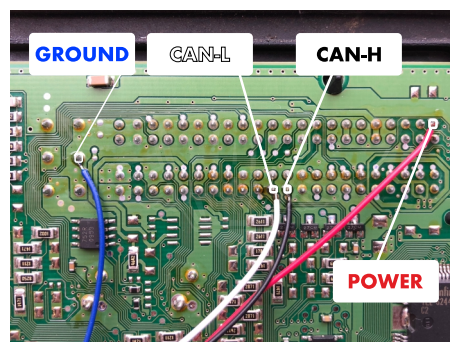
4

Connect Julie Emulator to the ECU according to the pictures on the right



Attention!

- Disconnect antenna coil from ignition switch!
- The emulator will self-adjust only after the second time the ignition is turned on!



5

Check the Julie's LED behaviour

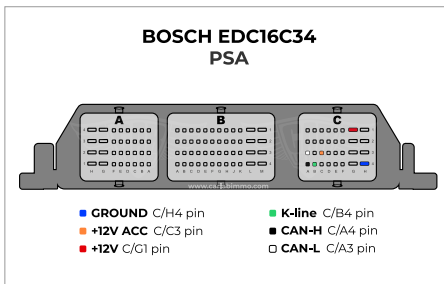
If the procedure is successfully completed the

blue LED lights constantly and blinks once every two seconds!



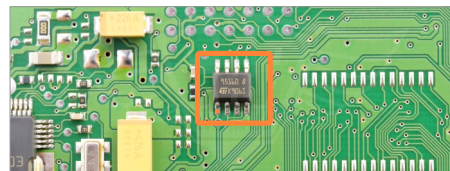
End of the procedure

Bosch EDC16C34 (PSA Group)



1

Find **95160** EEPROM memory and unsolder it



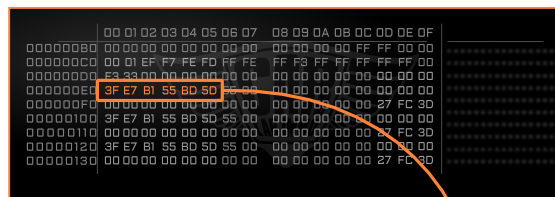
2

Using a programmer, read the content of the ECU's EEPROM memory.

Find the values in addresses from 0E0 to 0E5 (marked in **orange**).

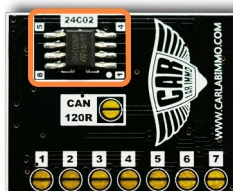
Read values: **3F E7 B1 55 BD 5D**

(This is only an example. Read values will be different in every ECU)



3

Unsolder 24C02 memory from the back of Julie Emulator



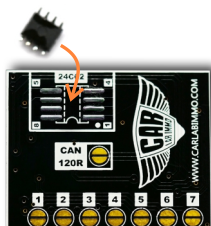
4

Write these values onto the 24C02 memory unsoldered from Julie.

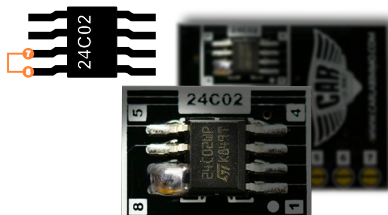


5

Solder back the 24C02 memory



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



To choose the program you have to solder specific jumpers on the back of the Emulator:



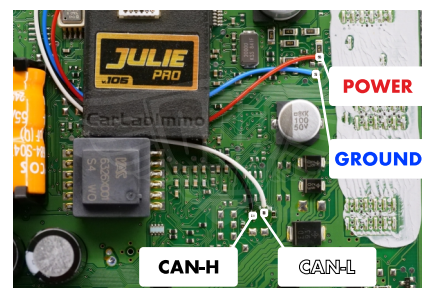
If it doesn't work, use one of the following jumper configurations:
1+5+6+7 and CAN 120R
5+6+7
5+6+7+CAN120R

6

Connect Julie Emulator to the ECU according to the pictures on the right

Attention!

- Disconnect antenna coil from ignition switch!



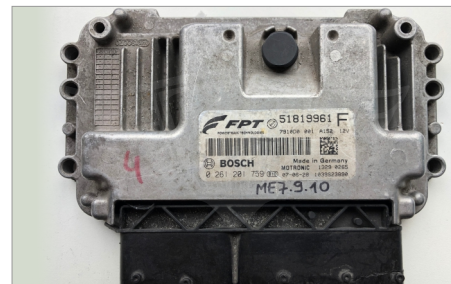
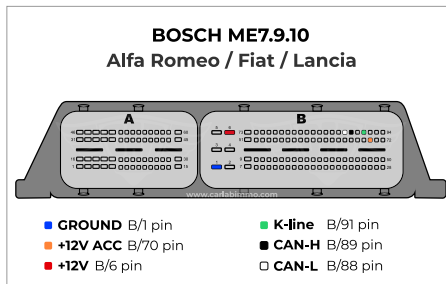
7

Check the Julie's LED behaviour

If the procedure is successfully completed the **blue LED lights constantly and blinks once every two seconds!**

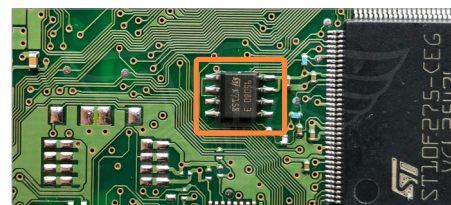


Bosch ME7.9.10



1

Find **95080 (or 95160)** EEPROM memory and unsolder it



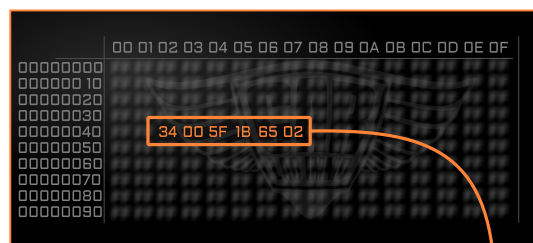
2

Using a programmer, read the content of the ECU's EEPROM memory.

Find the values in addresses from 042 to 047 (marked in **orange**).

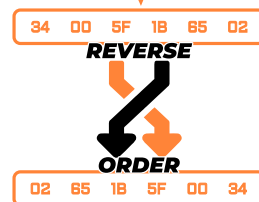
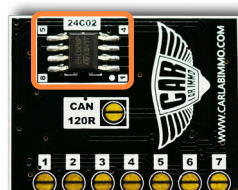
Read values: **34 00 5F 1B 65 02**

(This is only an example. Read values will be different in every ECU)



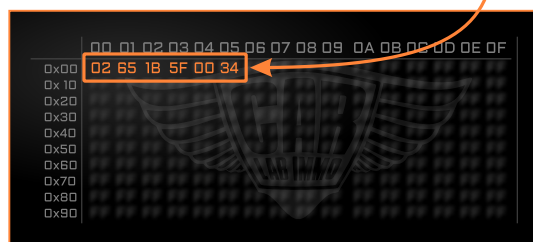
3

Unsolder 24C02 memory from the back of Julie Emulator



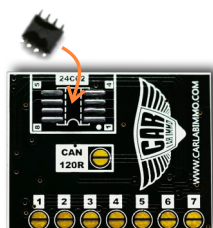
4

Write these values **IN REVERSE ORDER** onto the 24C02 memory unsoldered from Julie.

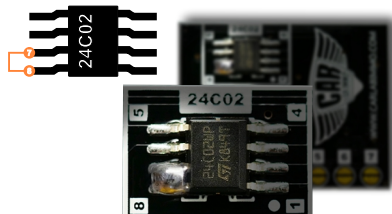


5

Solder back the 24C02 memory



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



To choose the program you have to solder specific jumpers on the back of the Emulator:



If it doesn't work, use one of the following jumper configurations:

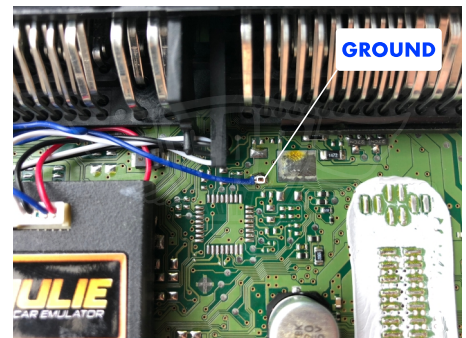
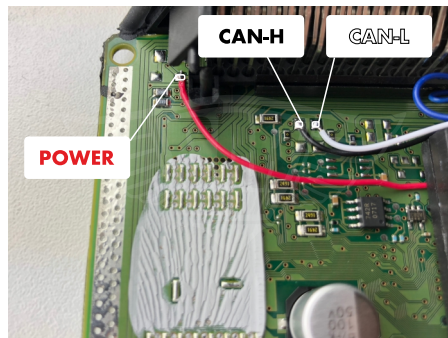
1+5+6+7 and CAN 120R
5+6+7
5+6+7+CAN120R

Step 6 on the next page

● Bosch ME7.9.10

6

Connect Julie Emulator to the ECU according to the picture on the right

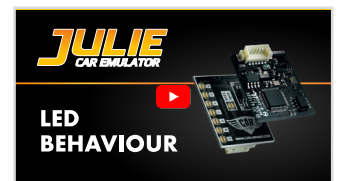


Attention!

- Disconnect antenna coil from ignition switch!

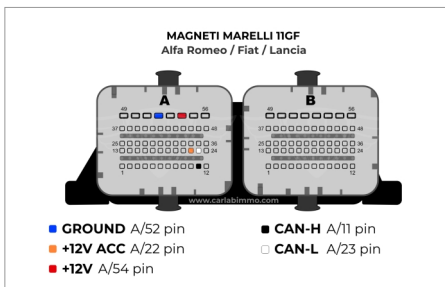
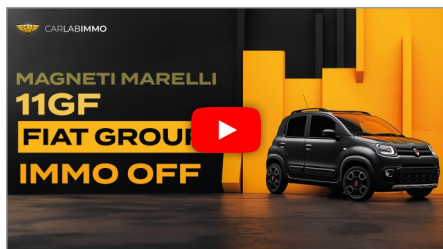
7

Check the Julie's LED behaviour
 If the procedure is successfully completed the
 blue LED lights constantly and blinks once every two seconds!



End of the procedure

● Magneti Marelli 11GF | 11GF.xx

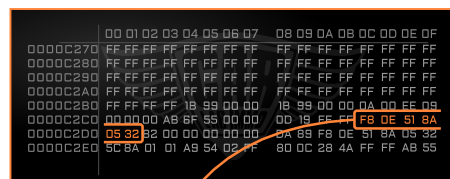


1

Find EEPROM memory and read its content using dedicated tools

2

Read the values from addresses **C2CC** to **C2D1**
F8 0E 51 8A 05 32



(This is only an example. Read values will be different in every ECU)

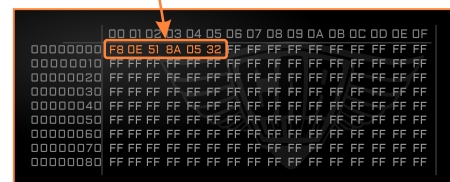
3

Unsolder 24C02 memory from the back of Julie Emulator



4

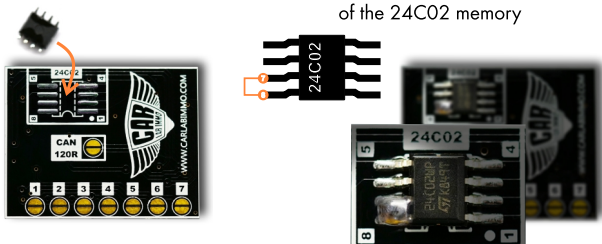
Write these values onto the 24C02 memory unsoldered from Julie Emulator



5

Solder back the 24C02 memory

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



To choose the program you have to solder specific jumpers on the back of the Emulator:



If it doesn't work, use one of the following jumper configurations:
1+5+6+7 and CAN 120R | 5+6+7 | 5+6+7+CAN120R

6

Connect Julie Emulator to the ECU according the picture on the right

- Connect the Emulator directly to the wiring that leads to the ECU
- Connect the **RED** wire from the emulator to +12V ACC (A/22 pin)

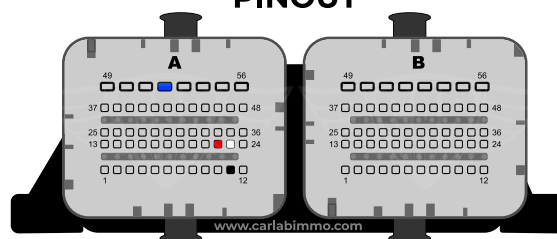


Attention!

- Disconnect antenna coil from ignition switch!

End of the procedure

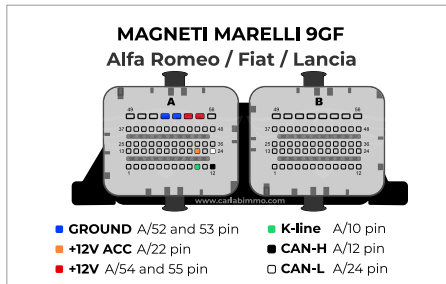
PINOUT



COLOR OF EMULATOR WIRES

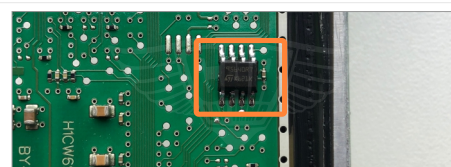
■ GROUND A/52 pin	BLUE
■ +12V ACC A/22 pin	RED
■ CAN-H A/11 pin	BLACK
□ CAN-L A/23 pin	WHITE

● Magneti Marelli 9GF | 9GF.xx



1

Find **95640** EEPROM memory and unsolder it



2

Find the values for: **9GF.xx**
in addresses from **01EA - 01EF** (marked in orange)
Read and remember values: **25 48 CD A6 55 3B**

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000180	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000100	00	00	00	52	00	00	00	00	00	3D	14	00	00	3D	14
00000140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000180	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000001C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000180	01	01	54	A9	00	00	00	00	00	00	00	00	00	00	00
000001C0	00	FF	54	A8	00	00	00	00	00	00	00	00	00	00	00
00000100	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000180	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000001C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

(This is only an example. Read values will be different in every ECU)

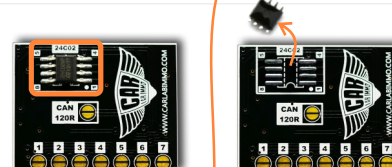
Find the values for: **9GF**
in addresses from **01FC - 0201** (marked in orange)
Read and remember values: **D6 80 9B F4 B8 19**

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000180	32	20	20	54	44	34	31	39	31	38	36	35	48	31	31
000001C0	32	39	30	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000180	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000001C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000100	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000180	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000001C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000100	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000140	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000180	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000001C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

(This is only an example. Read values will be different in every ECU)

3

Unsolder 24C02 memory from the back of Julie Emulator



4

Write these values onto the 24C02 memory unsoldered from Julie.

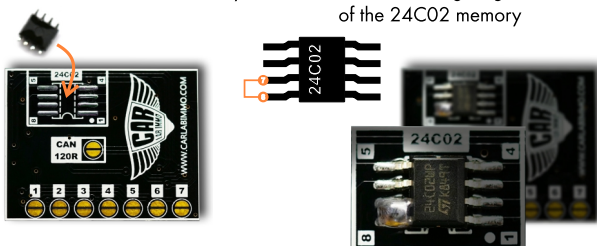
00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	25	48	CD	A6	55	3B	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000040	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000050	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000060	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
00000080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	D6	80	9B	F4	B8	19	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
00000020	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
00000040	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
00000060	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
00000080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

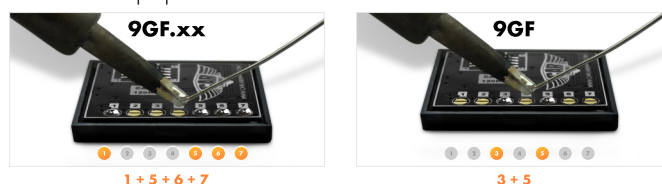
5

Solder back the 24C02 memory

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



To choose the program you have to solder specific jumpers on the back of the Emulator:

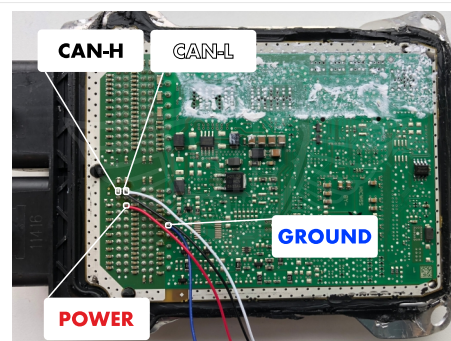
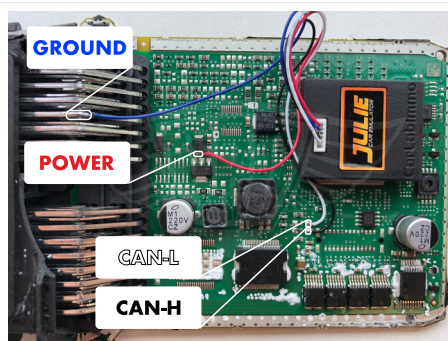


If it doesn't work, use one of the following jumper configurations:
3+5 and CAN 120R | 1+5+6+7 and CAN 120R | 5+6+7 | 5+6+7+CAN120R

6

Connect Julie Emulator to the ECU according the picture on the right

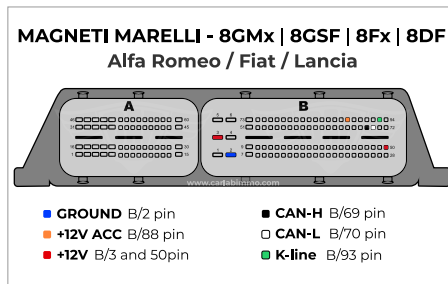
- Connect the Emulator directly to the ECU or to the wiring that leads to the ECU
- Connect the **RED** wire from the emulator to +12V ACC (A/22 pin)



Attention!

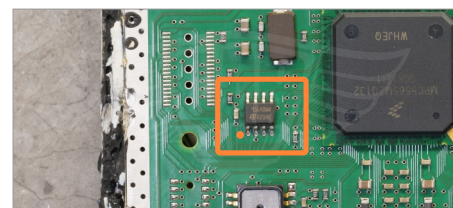
- Disconnect antenna coil from ignition switch!

● Magneti Marelli 8F3



1

Find **95640** EEPROM memory and unsolder it



2

Using a programmer, read the content of the ECU's EEPROM memory.

Find the values in addresses from 01C2 to 01C7 (marked in **orange**).

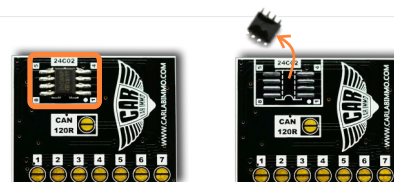
Read values: **78 57 82 63 91 93**

(This is only an example. Read values will be different in every ECU)



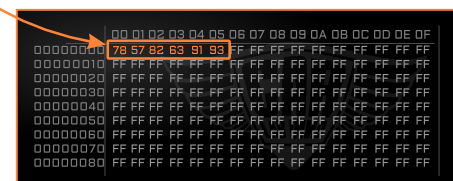
3

Unsolder 24C02 memory from the back of Julie Emulator



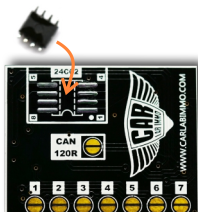
4

Write these values onto the 24C02 memory unsoldered from Julie.

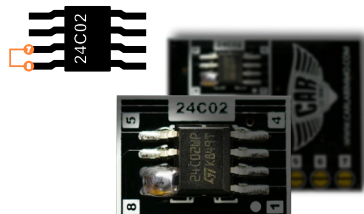


5

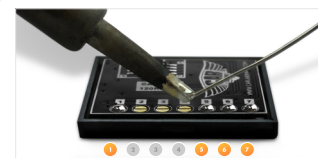
Solder back the 24C02 memory



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



To choose the program you have to solder specific jumpers on the back of the Emulator:



1 + 5 + 6 + 7

If it doesn't work, use one of the following jumper configurations:
1+5+6+7 and CAN 120R | 5+6+7 | 5+6+7+CAN120R

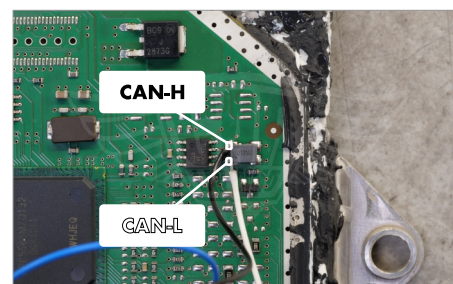
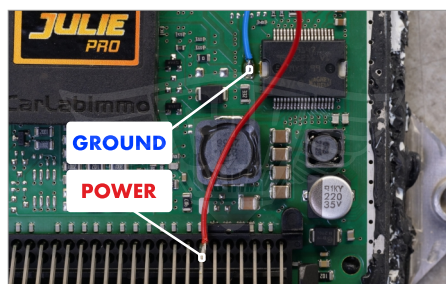
6

Connect Julie Emulator to the ECU according the picture on the right



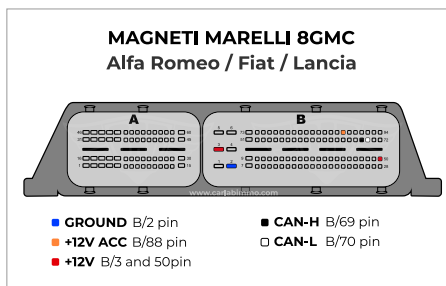
Attention!

- Disconnect antenna coil from ignition switch!



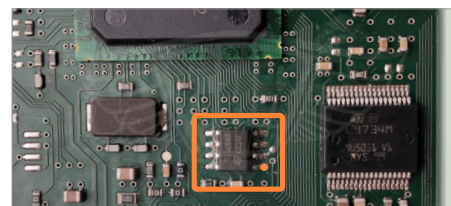
End of the procedure

● Magneti Marelli 8GMC



1

Find **95128** EEPROM memory and unsolder it



2

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

0626 to 062B ——— 33 33 33 33 33 33



3

To choose the program you have to solder specific jumpers on the back of the Emulator:

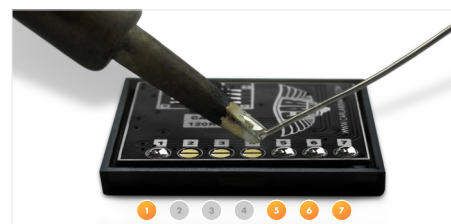
1 + 5 + 6 + 7

If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R

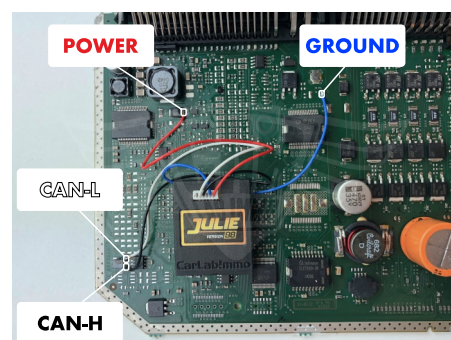
5+6+7

5+6+7+CAN120R



4

Connect Julie Emulator to the ECU according the picture on the right



i Attention!

- Disconnect antenna coil from ignition switch!
- The emulator will self-adjust only after the second time the ignition is turned on

5

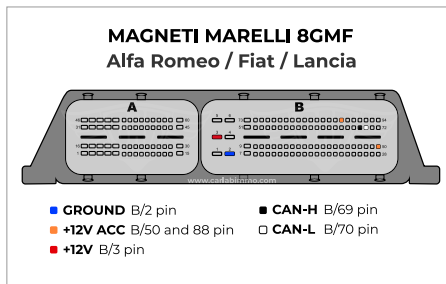
Check the Julie's LED behaviour

If the procedure is successfully completed the

blue LED lights constantly and blinks once every two seconds!

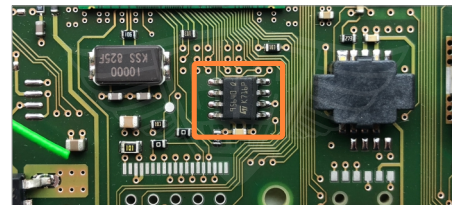


● Magneti Marelli 8GMF



1

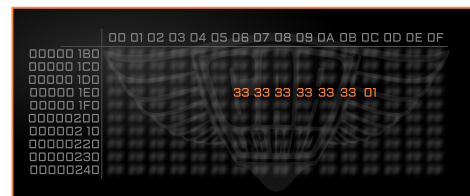
Find **95640** EEPROM memory and unsolder it



2

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

01E6 to 01EC ——— **33 33 33 33 33 33 01**



3

To choose the program you have to solder specific jumpers on the back of the Emulator:

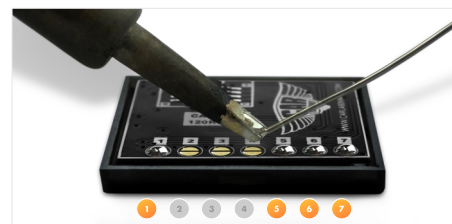
1 + 5 + 6 + 7

If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R

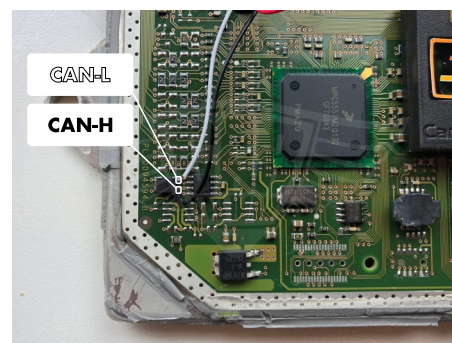
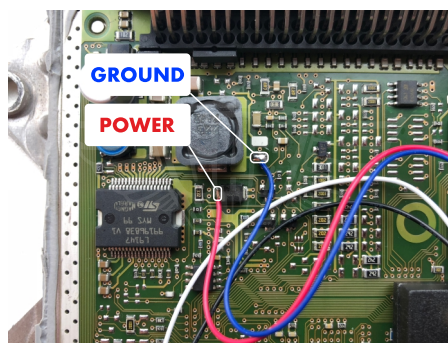
5+6+7

5+6+7+CAN120R



4

Connect Julie Emulator to the ECU according to the picture on the right



Attention!

- Disconnect antenna coil from ignition switch!
- The emulator will self-adjust only after the second time the ignition is turned on

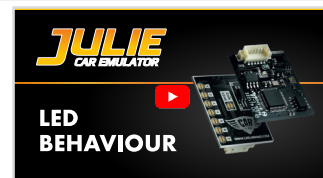
5

Check the Julie's LED behaviour

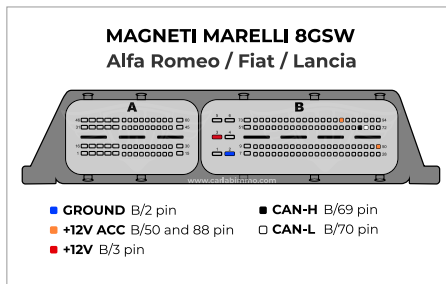
If the procedure is successfully completed the

blue LED lights constantly and blinks once every two seconds!

End of the procedure

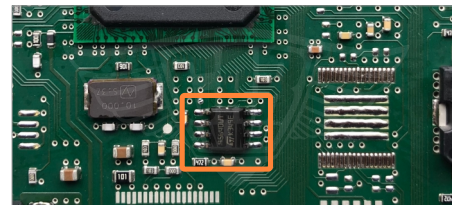


● Magneti Marelli 8GSW



1

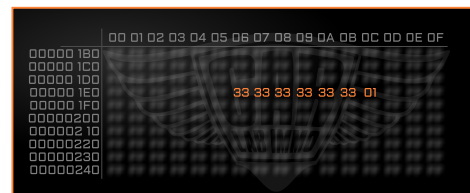
Find **95640** EEPROM memory and unsolder it



2

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

01E6 to 01EC ——— 33 33 33 33 33 33 01



3

To choose the program you have to solder specific jumpers on the back of the Emulator:

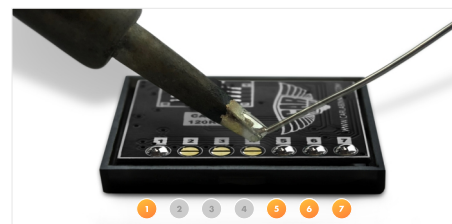
1 + 5 + 6 + 7

If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R

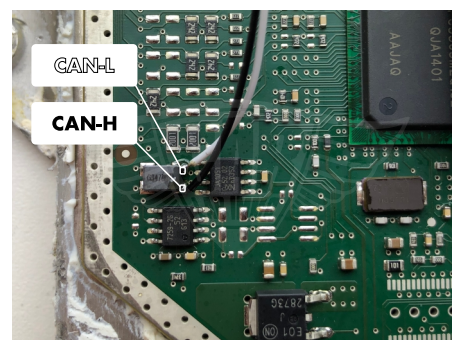
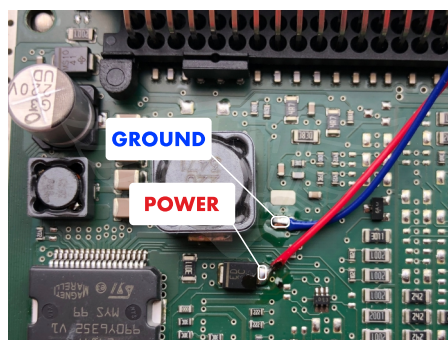
5+6+7

5+6+7+CAN120R



4

Connect Julie Emulator to the ECU according to the picture on the right



Attention!

- Disconnect antenna coil from ignition switch!

5

Check the Julie's LED behaviour

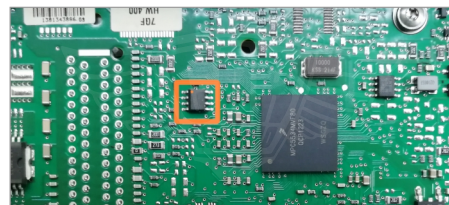
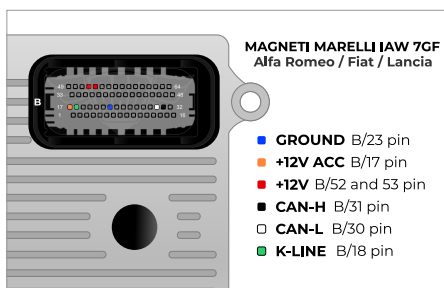
If the procedure is successfully completed the

blue LED lights constantly and blinks once every two seconds!

End of the procedure



Magneti Marelli IAW 7GF



Find **95160** / **95320** / **95640** EEPROM memory and unsolder it

Depending on the ECU, one of the two procedures below will apply:

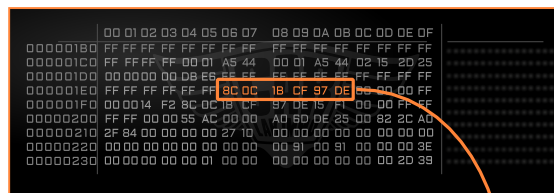
OPTION 1

Using a programmer, read the content of the ECU EEPROM memory.

Find the values in addresses from **01E6** to **01EB** (marked in orange).

Read values: **8C 0C 1B CF 97 DE**

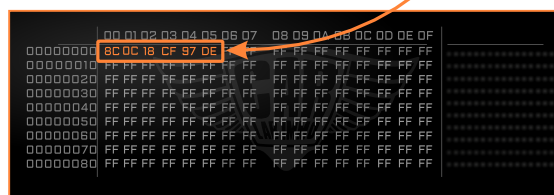
(This is only an example. Read values will be different in every ECU)



Unsolder 24C02 memory from the back of Julie Emulator



Write these values onto the 24C02 memory unsoldered from Julie.



End of Option 1. Continue procedure from Step 5.

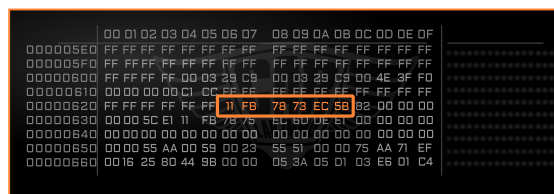
OPTION 2

Using a programmer, read the content of the ECU's EEPROM memory.

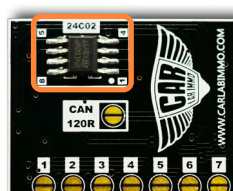
Find the values in addresses from **0626** to **062B** (marked in orange).

Read values: **11 FB 78 73 EC 5B**

(This is only an example. Read values will be different in every ECU)



Unsolder 24C02 memory from the back of Julie Emulator

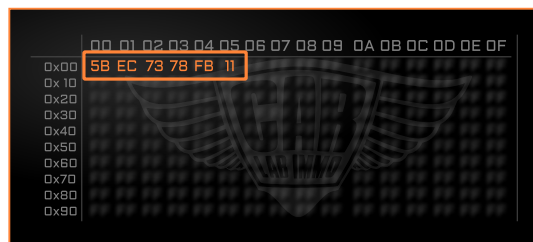
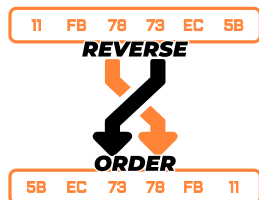


Step 4 on the next page

● Magneti Marelli IAW 7GF

4

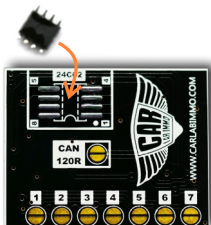
Write these values **IN REVERSE ORDER** onto the 24C02 memory unsoldered from Julie.



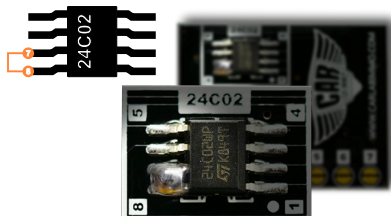
End of Option 2. Continue procedure from Step 5.

5

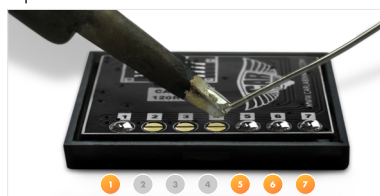
Solder back the 24C02 memory



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



To choose the program you have to solder specific jumpers on the back of the Emulator:



If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R
5+6+7
5+6+7+CAN120R

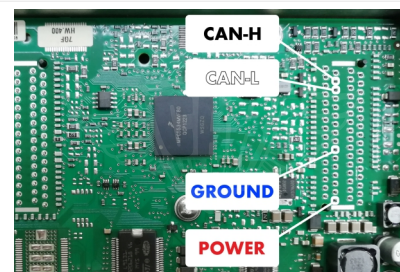
6

Connect Julie Emulator to the ECU according the pictures on the right



Attention!

- Disconnect antenna coil from ignition switch!



7

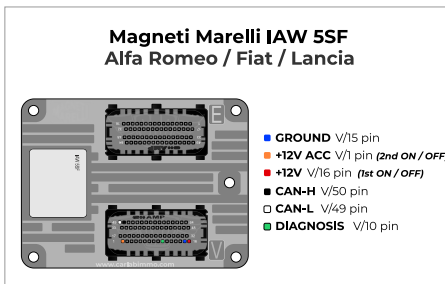
Check the Julie's LED behaviour

If the procedure is successfully completed the blue LED lights constantly and blinks once every two seconds!

End of the procedure

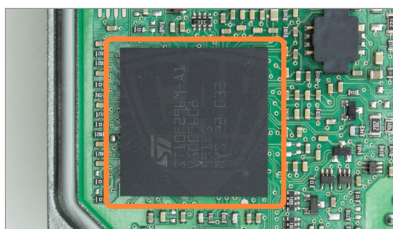


Magneti Marelli IAW 55F



1

Find **ST10F296** or **ST10F280** processor and read it using a dedicated tool

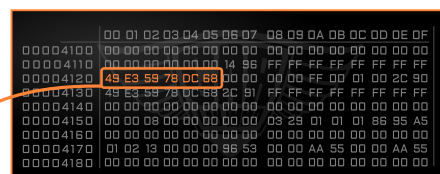
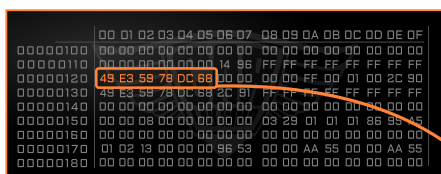


2

There are 2 ways to read the ECU:

1) Read the EEPROM via OBD2 socket or pins in the ECU plug

2) Read the MPC via Boot Mode



Find the values in addresses from 0120 to 0125 (marked in orange).

Find the values in addresses from 4120 to 4125 (marked in orange).

Read values: **49 E3 59 78 DC 68**

(This is only an example. Read values will be different in every ECU)

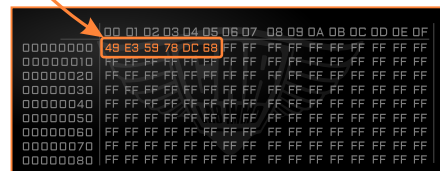
3

Unsolder 24C02 memory from the back of Julie Emulator



4

Write these values onto the 24C02 memory unsoldered from Julie.

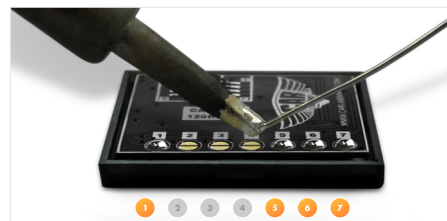
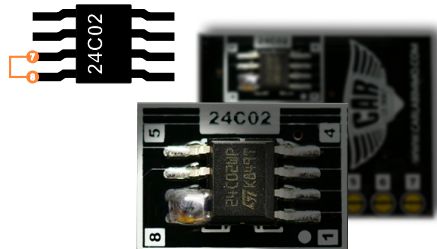
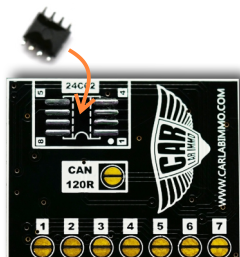


5

Solder back the 24C02 memory

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

To choose the program you have to solder specific jumpers on the back of the Emulator:



If it doesn't work, use one of the following jumper configurations:
5+6+7 and CAN 120R | 5+6+7 | 1+5+6+7 and CAN 120R

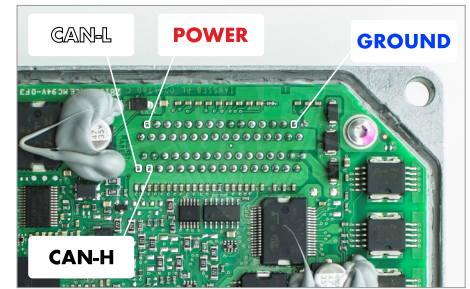
● Magneti Marelli IAW 5SF

6 Connect Julie Emulator to the ECU according the picture on the right



Attention!

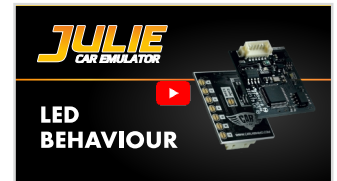
- Disconnect antenna coil from ignition switch!



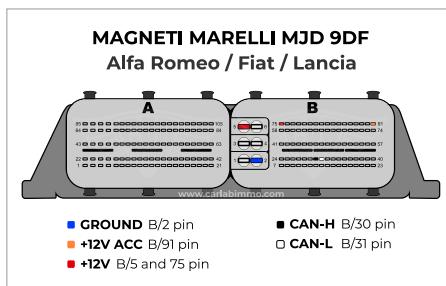
7

Check the Julie's LED behaviour
If the procedure is succesfuly completed the
blue LED lights constantly and blinks once every two seconds!

End of the procedure

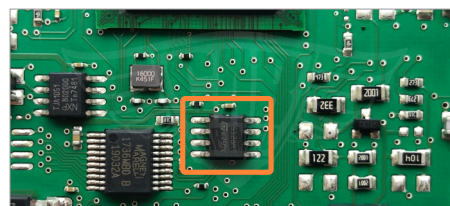


Magneti Marelli MJD 9DF



1

Find **95128** EEPROM memory and unsolder it

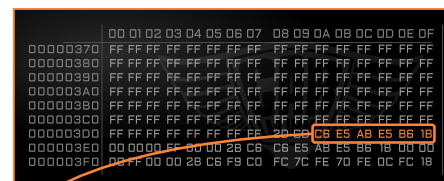


2

Find the values in addresses from **3DA - 3DF** (marked in orange)

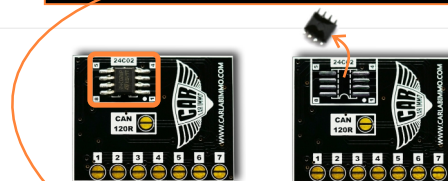
Read and remember values: **C6 E5 AB E5 B6 1B**

(This is only an example. Read values will be different in every ECU)



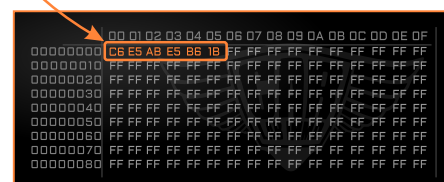
3

Unsolder 24C02 memory from the back of Julie Emulator



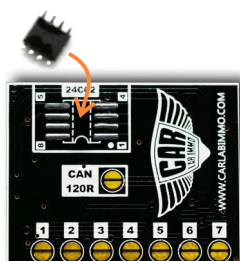
4

Write these values onto the 24C02 memory unsoldered form Julie.

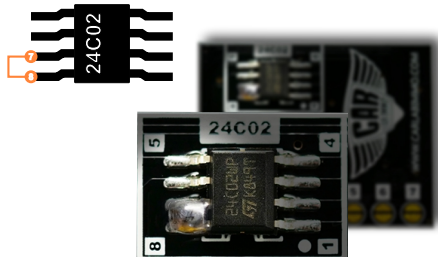


5

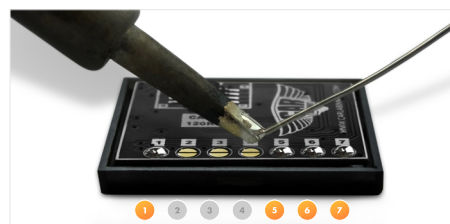
Solder back the 24C02 memory



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



To choose the program you have to solder specific jumpers on the back of the Emulator:



If it doesn't work, use one of the following jumper configurations:
1+5+6+7 and CAN 120R | 5+6+7 | 5+6+7+CAN 120R

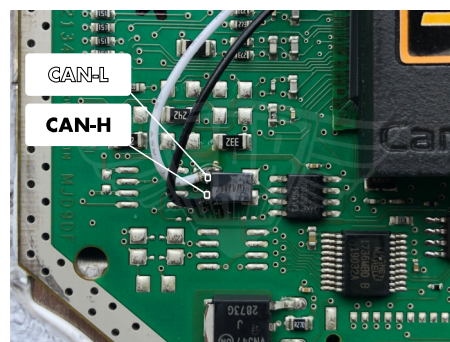
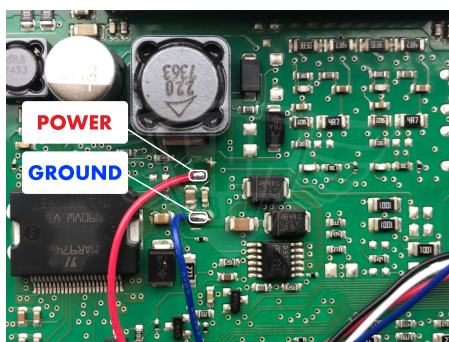
6

Connect Julie Emulator to the ECU according the picture on the right



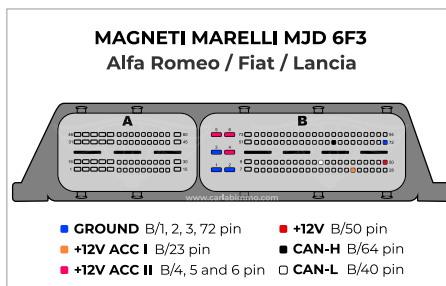
Attention!

- Disconnect antenna coil from ignition switch!





● Magneti Marelli MJD 6F3



1

Find **95320** EEPROM memory and unsolder it



2

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

0F0 to 0F5 ——— 33 33 33 33 33 33
110 to 115 ——— 33 33 33 33 33 33



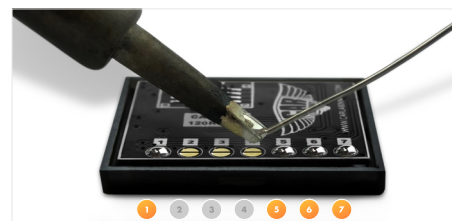
3

To choose the program you have to solder specific jumpers on the back of the Emulator:

1 + 5 + 6 + 7

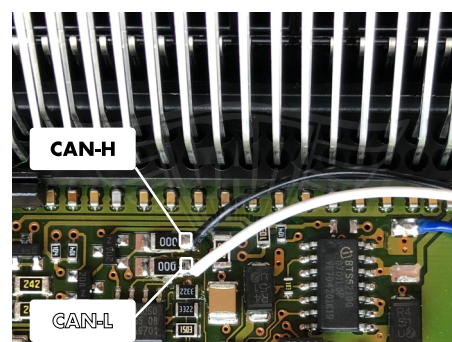
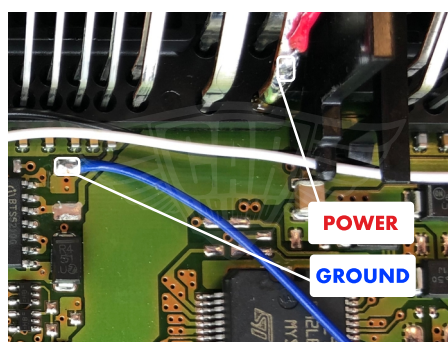
If it doesn't work, use one of the following jumper configurations:

1+5+6+7 and CAN 120R
5+6+7
5+6+7+CAN120R



4

Connect Julie Emulator to the ECU according the picture on the right



Attention!

- Disconnect antenna coil from ignition switch!
- The emulator will self-adjust only after the second time the ignition is turned on

5

Check the Julie's LED behaviour
If the procedure is successfully completed the
blue LED lights constantly and blinks once every two seconds!

End of the procedure



● Example cars and ECUs



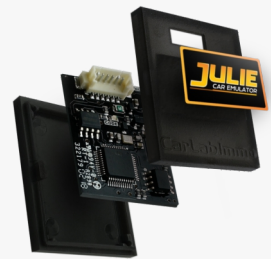
Program usage



Example cars



Example ECUs



BOSCH

Bosch

EDC16C39

Page 3

Alfa Romeo 159 2.4 JTD 200HP 2005-2011
Alfa Romeo 159 2.0 JTD 170HP 2005-2011
Alfa Romeo 147 1.9 JTD 120HP 2000-2010
Alfa Romeo Giulietta 2.0 JTD 140HP 2010-
Alfa Romeo Giulietta 2.0 JTD 170HP 2010-2014
Alfa Romeo MiTo 1.6 JTD 120HP 2008-2018
Fiat Bravo 1.9 JTD 150HP 2007-2014
Fiat Croma 1.9 JTD 150 HP 2005-2011
Fiat Doblo 1.9 JTD 120HP 2005-2010
Fiat Doblo 1.6 JTD 105HP 2012-
Fiat Doblo 1.3 JTD 90HP 2012-
Fiat Ducato 2.3 JTD 127HP 2010-2014
Fiat Grande Punto 1.3 JTD 120HP 2005-2018
Fiat Idea 1.9 JTD 100HP 2003-2010
Fiat Linea 1.6 JTD 105HP 2007-2015
Fiat Multipla 1.9 JTD 120HP 2004-2010
Fiat Sedici 2.0 JTD 135HP 2009-2014
Fiat Sedici 1.9 JTD 120HP 2005-2014
Fiat Stilo 1.9 JTD 120HP 2001-2008
Lancia Delta 1.9 JTD 190HP 2008-2014

0 281 018 720 (Fiat Doblo 1.6 JTD 105HP 2012)
0 281 017 784 (Alfa Romeo Giulietta 2.0 JTD 170HP 2014)
0 281 016 291 (Fiat Sedici 2.0 JTD 135HP 2010)
0 281 016 223 (Fiat Ducato 2.3 JTD 127HP 2010)
0 281 015 951 (Alfa Romeo Giulietta 2.0 JTD 140HP 2010)
0 281 015 575 (Fiat Linea 1.6 JTD 105HP 2006)
0 281 015 573 (Alfa Romeo MiTo 1.6 JTD 120HP 2009)
0 281 013 675 (Fiat Doblo 1.9 JTD 120HP 2008)
0 281 013 580 (Fiat Bravo 1.9 JTD 150HP 2008)
0 281 013 579 (Alfa Romeo 159 2.4 JTD 200HP 2008)
0 281 012 992 (Fiat Sedici 1.9 JTD 120HP 2009)
0 281 012 862 (Alfa Romeo 147 1.9 JTD 120HP 2005)
0 281 012 294 (Fiat Multipla 1.9 JTD 120HP 2004)
0 281 012 149 (Fiat Croma 1.9 JTD 150HP 2005)
0 281 B04 453-02 (Fiat Doblo 1.6 JTD 105HP 2012)
0 281 B03 940-05 (Lancia Delta 1.9 JTD 190HP 2008)
0 281 B02 539 (Fiat Grande Punto 1.3 JTD 120HP 2007)

Bosch

EDC16C34 (PSA Group)

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Citroen Nemo 1.4 HDI 68HP 2008-2010
Peugeot Bipper 1.4 HDI 68HP 2008-2010

0 281 014 444 (Citroen Nemo 1.4 HDI 68HP 2009)

Bosch

ME7.9.10

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Alfa Romeo Giulietta 1.4 TB 120HP 2010-
Alfa Romeo MiTo 1.4 78HP 2008-2018
Alfa Romeo MiTo 1.4 70HP 2008-2018
Alfa Romeo MiTo 1.4 TB 155HP 2008-2018
Chrysler Delta 1.4 T-jet 120HP 2008-2014
Fiat 500 1.4 100HP 2007-
Fiat 500 Abarth 1.4 T-Jet 135HP 2008-
Fiat 500 Abarth Essece 1.4 160HP 2008-
Fiat 500 Abarth Tributo Ferrari 1.4 180HP 2008-
Fiat 500 Abarth Turbo 1.4 135HP 2008
Fiat Bravo 1.4 T-Jet 120HP 2007-2014
Fiat Doblo 1.4 120HP 2010-2014
Fiat Grande Punto Abarth 1.4 165HP 2005-2010
Fiat Grande Punto 1.4 T-Jet 120HP 2005-2010
Lancia Delta 1.4 T-Jet 120HP 2008-2014

0 261 201 687 (Fiat Bravo 1.4 T-Jet 120HP 2008)
0 261 201 688 (Fiat Bravo 1.4 T-Jet 120HP 2007)
0 261 201 756 (Fiat 500 Abarth 1.4 T-Jet 135HP 2010)
0 261 201 757 (Fiat Bravo 1.4 T-Jet 120HP 2010)
0 261 201 759 (Fiat 500 1.4 100HP 2009)
0 261 S04 407 (Alfa Romeo MiTo 1.4 78HP 2008)
0 261 S04 409 (Alfa Romeo MiTo 1.4 Turbo 155HP 2009)
0 261 S04 410 (Lancia Delta 1.4 T-Jet 150HP 2009)
0 261 S04 657 (Fiat Grande Punto 1.4 T-Jet 120HP 2009)
0 261 S04 660 (Fiat Grande Punto 1.4 T-Jet 120HP 2007)
0 261 S05 118 (Alfa Romeo Giulietta 1.4 TB 120HP 2012)
0 261 S05 792 (Fiat Doblo Cargo 1.4 120HP 2010-2011)
0 261 S05 818 (Fiat 500 1.4 100HP 2012)
0 261 S05 872 (Fiat Bravo 1.4 T-Jet 120HP 2011)
0 261 S06 460 (Lancia Delta 1.4 T-Jet 120HP 2008)
0 261 S06 518 (Fiat 500 1.4 T-Jet 140HP 2008)
0 261 S07 416 (Fiat Doblo 1.4 120HP 2009)

MAGNETI MARELLI

Magneti Marelli

11GF | 11GF.xx

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Fiat Panda 1.0 Mild Hybrid 70HP 2020-

11GFE6 (Fiat Panda 1.0 Mild Hybrid 70HP 2022)

Magneti Marelli

9GF | 9GF.xx

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Chrysler Ypsilon 1.2 69HP 2011-
Fiat 500 1.2 69HP 2007-
Fiat Grande Punto 1.2 65HP 2005-
Fiat Panda 1.2 69HP 2011-
Fiat Panda 1.2 L 69HP 2011-
Ford KA 1.2 69HP 2008-2016
Lancia Ypsilon 1.2 69HP 2011

9GF.T6 (Fiat 500 1.2 69HP 2011)
9GF.T7 (Fiat 500 1.2 69HP 2014)
9GF.T9 (Fiat 500 1.2 69HP 2013)
9GF.TE (Fiat Panda 1.2 69HP 2015)
9GF.TK (Ford KA 1.2 69HP 2014)

Magneti Marelli

8F3

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Citroen Nemo 1.4 HDI 68HP 2007-2015

8F3.F6 (Citroen Nemo 1.4 HDI 68HP 2012)

● Example cars and ECUs



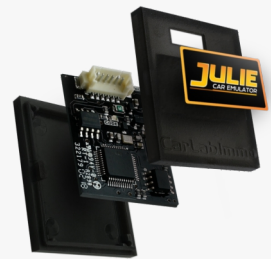
Program usage



Example cars



Example ECUs



MAGNETI MARELLI

Magneti Marelli 8GMC Page 10

Fiat 500 1.4 100HP 2007-

8GMC.C1 (Fiat 500 1.4 100HP 2012)

Magneti Marelli 8GMF Page 11

Alfa Romeo Giulietta 1.4 TB MultiAir 170HP 2010-
Alfa Romeo MiTo 1.4 MultiAir 105HP 2008-2018
Alfa Romeo MiTo 1.4 TB 155HP 2008-2018
Fiat Bravo 1.4 T-Jet 120HP 2007-2014
Fiat Grande Punto 1.4 T-Jet 120HP 2005-2010
Fiat Punto EVO 1.4 105HP 2009-2012

8GMF.01 (Fiat Grande Punto 1.4 T-Jet 120HP 2009)
8GMF.AA (Alfa Romeo MiTo 1.4 MultiAir 105HP 2009)
8GMF.A3 (Alfa Romeo MiTo 1.4 MultiAir 105HP 2016)
8GMF.A4 (Alfa Romeo MiTo 1.4 TB 155HP 2017)
8GMF.A5 (Alfa Romeo MiTo 1.4 MultiAir 105HP 2014)
8GMF.A6 (Fiat Punto EVO 1.4 105HP 2009)
8GMF.A9 (Alfa Romeo Giulietta 1.4 TB MultiAir 170HP 2015)

Magneti Marelli 8GSW Page 12

Fiat 500 0.9 85HP TwinAir Turbo 2007-
Fiat Panda 0.9 65HP TwinAir 2012-
Fiat Panda 0.9 85HP TwinAir Turbo 2012-
Fiat Punto 0.9 85HP TwinAir 2012-2018

8GSW.CA (Fiat 500 0.9 TwinAir Turbo 85HP 2016)
8GSW.E9 (Fiat Punto 0.9 85HP TwinAir 2013)
8GSW.E2 (Fiat 500 0.9 85HP TwinAir Turbo 2013)
8GSW.EA (Fiat 500 0.9 85HP TwinAir Turbo 2017)
8GSW.ED (Fiat Panda 4X4 0.9 65HP TwinAir 2014)
8GSW.EM (Fiat Panda 0.9 85HP TwinAir Turbo 2016)
8GSW.H7 (Fiat Panda 0.9 65HP TwinAir 2012)
8GSW.H2 (Fiat Panda 0.9 65HP TwinAir 2014)
8GSW.MP (Fiat Panda 0.9 65HP TwinAir 2015)

Magneti Marelli IAW 7GF Page 13

Fiat 500 1.4 140HP 2013-2018
Fiat Fiorino 1.4 88HP 2013-2019
Fiat Grand Siena 1.4 85HP 2012-2019
Fiat Idea 1.6 117HP 2005-2018
Fiat Palio Weekend Adventure 1.8 130HP 2008-2018
Fiat Punto 1.6 117HP 2005-2018
Fiat Uno 1.0 75HP 2010-2019
Fiat Uno 1.4 85HP 2010-2019
Fiat Grand Siena 1.6 117HP 2012-2019

IAW 7GF.6D / 55248288 (Fiat Grand Siena 1.4 85HP 2013)
IAW 7GF.5B / 53123085 (Fiat 500 1.4 140HP 2014)
IAW 7GF.B4 / 51892313 (Fiat Uno 1.4 85HP 2014)
IAW 7GF.E4 / 51898649 (Fiat Uno 1.4 85HP 2013)
IAW 7GF.E4 / 51898649 (Fiat Uno 1.4 85HP 2011)
IAW 7GF.EB / 55266847 (Fiat Fiorino 1.4 88HP 2015)
IAW 7GF.FV / 55245839 (Fiat Fiorino 1.4 88HP 2014)
IAW 7GF.LA / 51911246 (Fiat Uno 1.0 75HP 2011)
IAW 7GF.LC / 51911121 (Fiat Palio Weekend 1.8 130HP 2011)
IAW 7GF.NM / 55250235 (Grand Siena 1.6 117HP 2012)
IAW 7GF.NT / 55250237 (Grand Siena 1.6 117HP 2013)
IAW 7GF.NZ / 55250234 (Fiat Punto 1.6 117HP 2014)
IAW 7GF.PC / 55245298 (Fiat Punto 1.6 117HP 2013)
IAW 7GF.PM / 51896159 (Fiat Punto 1.6 117HP 2011)
IAW 7GF.PU / 51898752 (Fiat Idea 1.6 117HP 2011)
IAW 7GF.TA / 51894409 (Fiat Uno 1.0 75HP 2012)
IAW 7GFVE1 / 51901746 (Fiat Idea 1.6 117HP 2009)

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Fiat 500 1.2 69HP 2007-
Fiat Grande Punto 1.4 T-Jet 120HP 2005-2010
Fiat Panda 1.2 69HP 2012-
Fiat Punto EVO 1.4 105HP 2009-2012
Ford KA 1.2 69HP 2008-2016

IAW 5SF8.MR (Fiat 500 1.2 69HP 2007)
IAW 5SF8.NS (Fiat 500 1.2 69HP 2009)
IAW 5SF8.P2 (Fiat Grande Punto 1.4 T-Jet 120HP 2009)
IAW 5SF3.M2 (Fiat Grande Punto 1.4 T-Jet 120HP 2007)
IAW 5SF3.M1 (Fiat Grande Punto 1.4 T-Jet 120HP 2006)

Magneti Marelli MJD 9DF Page 17

Fiat 500 1.3 75HP MultiJet 2007-
Fiat Ducato 2.3 120HP MultiJet 2006-
Fiat Panda 4x4 1.3 75HP MultiJet 2009-
Fiat Qubo 1.3 75HP MultiJet 2007-
Fiat Fiorino 1.3 95HP MultiJet 2007-
Lancia Ypsilon 1.3 75HP MultiJet 2003-2011

MJD 9DF.A1 (Fiat Ducato 2.3 120HP MultiJet 2007)
MJD 9DF.B1 (Fiat 500 1.3 75HP MultiJet 2009)
MJD 9DF.F3 (Fiat Fiorino 1.3 MultiJet 95HP 2010)
MJD 9DF.X1 (Fiat 500L 1.3 95HP MultiJet 2009)
MJD 9DF.Y1 (Lancia Ypsilon 1.3 75HP MultiJet 2009)

Magneti Marelli MJD 6F3 Page 18

Fiat 500 1.3 75HP MultiJet 2007-
Fiat Doblo 1.3 75HP MultiJet 2006-2009
Fiat Qubo 1.3 75HP MultiJet 2007-
Fiat Fiorino 1.3 75HP MultiJet 2007-
Fiat Grande Punto 1.3 75HP MultiJet 2005-2009

MJD 6F3.B1 (Fiat 500 1.3 75HP MultiJet 2009)
MJD 6F3.D4 (Fiat Doblo 1.3 75HP MultiJet 2007)
MJD 6F3.H1 (Fiat Fiorino 1.3 75HP MultiJet 2008)
MJD 6F3.HA (Fiat Qubo 1.3 75HP MultiJet 2009)
MJD 6F3.P7 (Fiat Grande Punto 1.3 75HP MultiJet 2007)
MJD 6F3.P5 (Fiat Grande Punto 1.3 75HP MultiJet 2006)
MJD 6F3.PI (Fiat Grande Punto 1.3 75HP MultiJet 2009)
MJD 6F3.PL (Fiat Grande Punto 1.3 75HP MultiJet 2009)
MJD 6F3.Z7 (Fiat Grande Punto 1.3 75HP MultiJet 2008)