



FIAT

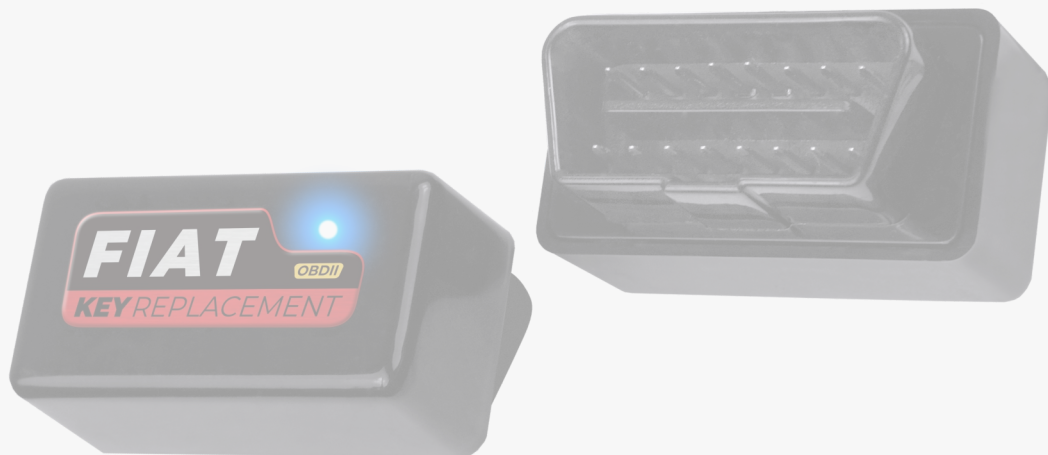
KEY REPLACEMENT

No key coding required!
No memory content changing required!
Plug&Play



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Page 3	• Procedure description			
Page 5	• Example cars and ECUs full list			



● Program introduction



Program usage

Alfa Romeo / Fiat / Lancia cars with ECUs listed below:

Bosch EDC16C39	Bosch ME7.9.10	Bosch ME7.6.1	Magneti Marelli 9GF	Magneti Marelli 8GMC
Magneti Marelli 8GMF	Magneti Marelli 8GSW	Magneti Marelli 5NF	Magneti Marelli IAW 5SF	
Magneti Marelli MJD 9DF	Magneti Marelli MJD 8F2	Magneti Marelli MJD 6F3	Visteon DCU102	



Example ECUs (Full list on page 5)

Bosch

0 281 018 720	0 281 017 784	0 281 016 291	0 281 016 223	0 281 015 951	0 281 015 575	0 281 015 573
0 281 013 675	0 281 013 580	0 281 013 579	0 281 012 992	0 281 012 862	0 281 012 294	0 281 012 149
0 281 B04 453-02	0 281 B03 940-05	0 281 B02 539	0 261 201 687	0 261 201 688	0 261 201 756	0 261 201 757
0 261 201 759	0 261 S01 071	0 261 S01 068	0 261 S01 065	0 261 S01 054	0 261 S01 045	0 261 S01 041
0 261 S01 034	0 261 S04 407	0 261 S04 409	0 261 S04 410	0 261 S04 657	0 261 S04 660	0 261 S05 118
0 261 S05 792	0 261 S05 818	0 261 S05 872	0 261 S06 460	0 261 S06 518	0 261 S07 416	

Magneti Marelli

9GF.T6	9GF.T7	9GF.T9	9GF.TE	9GF.TK	8GMC.C1			
8GMF.01	8GMF.AA	8GMF.A3	8GMF.A4	8GMF.A5	8GMF.A6	8GMF.A9		
8GSW.CA	8GSW.E9	8GSW.E2	8GSW.EA	8GSW.ED	8GSW.EM	8GSW.H7	8GSW.H2	8GSW.MP
IAW 5NF.PS	IAW 5NF.T9	IAW 5NF.T4	IAW 5NF.T2	IAW 5NF.T1	IAW 5NF.TD	IAW 5NF.TE	IAW 5NF.S9	IAW 5NF.S8
IAW 5NF.S7	IAW 5NF.S5							
IAW5SF8.MR	IAW5SF8.NS	IAW5SF8.P2	IAW5SF3.M2	IAW5SF3.M1				
MJD 9DF.A1	MJD 9DF.B1	MJD 9DF.F3	MJD 9DF.X1	MJD 9DF.Y1	MJD 8F2.B2	MJD 8F2.G2	MJD 6F3.B1	MJD 6F3.D4
MJD 6F3.H1	MJD 6F3.HA	MJD 6F3.P7	MJD 6F3.P5	MJD 6F3.PI	MJD 6F3.PL	MJD 6F3.Z7		

Visteon

DCU102



Example cars (Full list on page 5)

Alfa Romeo

159 147 Giulietta MiTo

Chrysler (with Fiat engines)

Delta Ypsilon

Fiat

500	500 Abarth	500 Essesse	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	Grande Punto EVO
Panda 4x4	Punto EVO	Sedici	Sedici	Stilo	Qubo						

Ford (with Fiat engines)

KA

Lancia

Delta Ypsilon

● Fiat Key Replacement In the case of Fiat 500

In order for the car to start correctly you need:

- **A correctly functioning key that you can use to start the car**
- **A key that cannot start the car - with a damaged transponder or a duplicated metal spade**



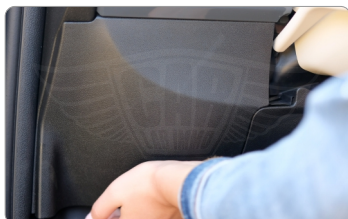
1



Make a duplicate of the original key
(only the metal part of the key)

- **No key coding required!**
- **No memory content changing required!**

2



Find an OBDII socket in your car



Insert the device into the OBDII socket.



The blue LED will start blinking fast - 0.2s

3

You need to have a working car key!



Insert the **working** key
into the ignition switch.



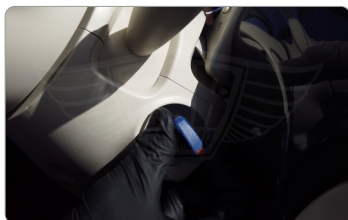
Turn the ignition on and **wait 30 sec.**
(During this time, the device learns the
ECU code)



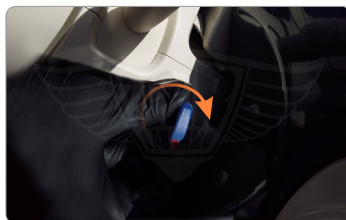
The LED behaviour will change after a few
seconds - it will blink once every 2 seconds.
This means that the device has self-adjusted

4

Use a duplicated key



Insert the **duplicated** key
into the ignition switch.



Turn the ignition on



After turning the ignition, the LED will light
constantly and it turn off for 0,2s every 2 seconds

5



The car can be started right away

Attention!

- The device must be kept in the OBDII socket!
- When the device self-learns the key code, it can't be use on another car.
- Works only with mechanical ignition switch
- It can also serve as backup of the key code

In case of problems with the functioning of the device - see next page

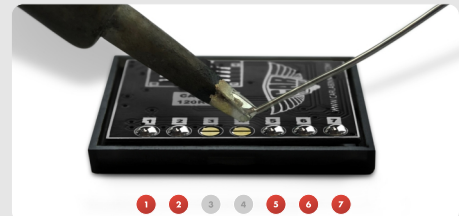
● Fiat Key Replacement

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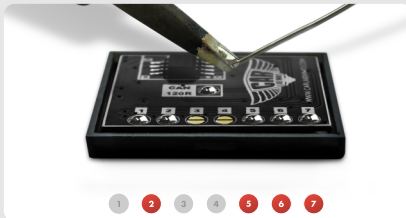
If the device doesn't work:

Open the cover of the device and make sure that the following jumpers are soldered on the back of the Emulator:

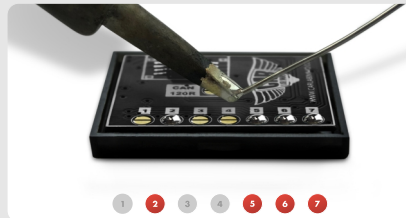
1 + 2 + 5 + 6 + 7



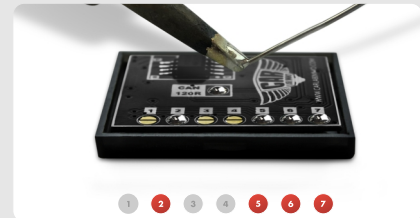
If it still doesn't work try the following jumper configurations:



1 + 2 + 5 + 6 + 7 AND CAN120R



2 + 5 + 6 + 7



2 + 5 + 6 + 7 AND CAN120R

If you want to use the device on another vehicle:

- Open the cover of the device
- Locate 24C02 memory and unsolder it
- Read the content of the unsoldered 24C02 memory
- Fill the entire memory content with FF values
- Solder the memory back into the device
- The device may be used on another vehicle



Full list of supported cars on next page

● Example cars and ECUs



Program usage



Example cars



Example ECUs



BOSCH

Bosch EDC16C39

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 ME7.9.10

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 Esseesse 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)

Bosch ME7.6.1

Alfa Romeo 159 2.2 JTS 185HP 2005-2011
Alfa Romeo 159 1.9 JTS 160HP 2005-2011

0 261 S01 071 (Alfa Romeo 159 1.9 JTS 160HP 2010)
0 261 S01 068 (Alfa Romeo 159 2.2 JTS 185HP 2010)
0 261 S01 065 (Alfa Romeo 159 2.2 JTS 185HP 2008)
0 261 S01 054 (Alfa Romeo 159 2.2 JTS 185HP 2006)
0 261 S01 045 (Alfa Romeo 159 2.2 JTS 185HP 2007)
0 261 S01 041 (Alfa Romeo 159 1.9 JTS 160HP 2008)
0 261 S01 034 (Alfa Romeo 159 2.2 JTS 185HP 2009)

MAGNETI MARELLI

Magneti Marelli 9GF

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)

● Example cars and ECUs



Program usage



Example cars



Example ECUs



MAGNETI MARELLI

Magneti Marelli 8GMC

Fiat 500 1.4 100HP 2007-

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

Magneti Marelli 8GMF

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

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 5NF

Fiat Stilo 1.6 105HP 2001-2008
Fiat Doblo 1.6 103HP 2000-2009
Fiat Panda 1.2 69HP 2009-2012
Fiat Panda 1.2 60HP 2003-2009
Fiat Punto II 1.2 60HP 1999-2010

IAW 5NF.PS (Fiat Punto II 1.2 60HP 2003)
IAW 5NF.T9 (Fiat Stilo 1.6 105HP 2003)
IAW 5NF.T4 (Fiat Doblo 1.6 103HP 2007)
IAW 5NF.T1 (Fiat Stilo 1.6 105HP 2003)
IAW 5NF.TE (Fiat Doblo 1.6 103HP 2003)
IAW 5NF.S9 (Fiat Panda 1.2 69HP 2010)
IAW 5NF.S8 (Fiat Panda 1.2 60HP 2007)
IAW 5NF.S7 (Fiat Panda 1.2 60HP 2009)
IAW 5NF.S5 (Fiat Panda 1.2 60HP 2008)

Magneti Marelli IAW 5SF

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

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

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)



● Example cars and ECUs



Program usage



Example cars



Example ECUs



MAGNETI MARELLI

Magneti Marelli **IAW 5SF** Page 6

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 5SF9.A8 (Fiat Grande Punto 1.4 T-Jet 120HP 2007)
IAW 5SF8.M4 (Fiat 500 1.2 69HP 2014)

Magneti Marelli **MJD 8F2** Page 7

Fiat 500 1.3 75HP MultiJet 2007-
Fiat Panda 1.3 75HP MultiJet 2009-
Fiat Grande Punto 1.3 JTD 75HP 2005-2009
Fiat Idea 1.3 JTD 70HP MultiJet 2003-2010
Lancia Ypsilon 1.3 75HP MultiJet 2003-2011

MJD 8F2.B2 (Fiat Panda 1.3 75HP MultiJet 2011)
MJD 8F2.G2 (Fiat Grande Punto 1.3 JTD 75HP 2009)

VISTEON

Visteon **DCU102** Page 8

Citroen Jumper II 2.2 HDI 100HP/120HP 2006-
Fiat Ducato III 2.2 JTD 100HP/120HP 2006-2011
Peugeot Boxer II 2.2 HDI 100HP/120HP 2006-

DCU102 (Fiat Ducato III 2.2 JTD 100HP/120HP 2006-2011)