

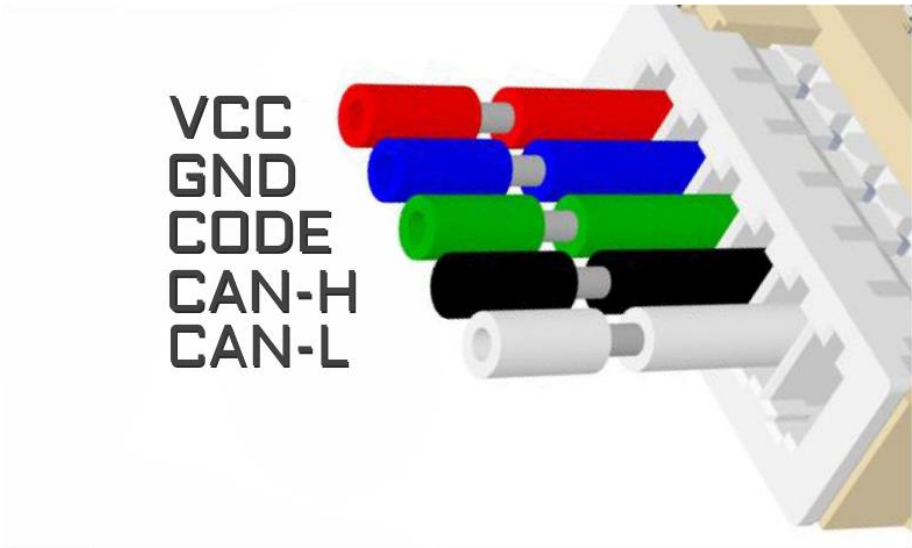
# Universal Car Emulator Programs:

## Immo programs

Renault with CAN - ver 2.....2

Program	Use
Renault with CAN - ver 2	EDC 16 EDC16 with separate flash <a href="#">GO TO VIDEO</a> Siemens SIM32 <a href="#">GO TO VIDEO</a> Delphi DCM1.2 <a href="#">GO TO VIDEO</a> Sagem S3000 Delphi DCM3.4 EMS3110

### Wiring colour codes

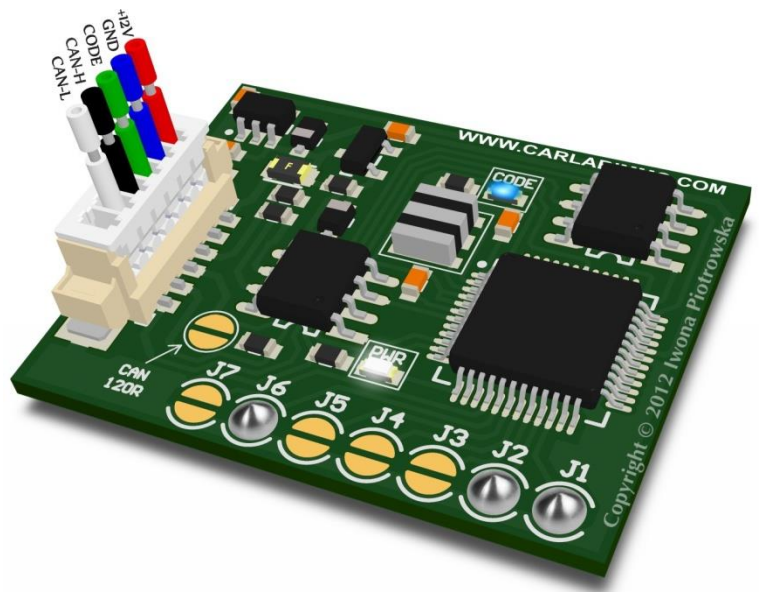


### The LED behavior

- no jumpers – diagnostic mode - it flashes every second
- adjusting to the ECU – flashing 0,1 sec
- after adjusting it lights constantly and blinks every other second

## Renault with CAN - ver 2

**In Universal Emulator  
solder jumpers J1, J2 and J6**



*Emulator will work, when diagnosis goes  
along CAN*

*If the emulator doesn't work, solder jumpers J2 and J6*

**USE**

**EDC16**

**EDC16 with separate flash**

**SIEMENS SIM32**

**DELPHI DCM1.2**

**SAGEM S3000**

**DELPHI DCM3.4**

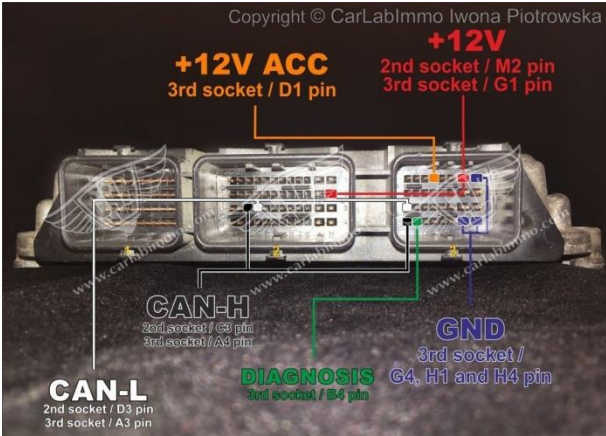
**EMS3110**

[GO TO VIDEO](#)

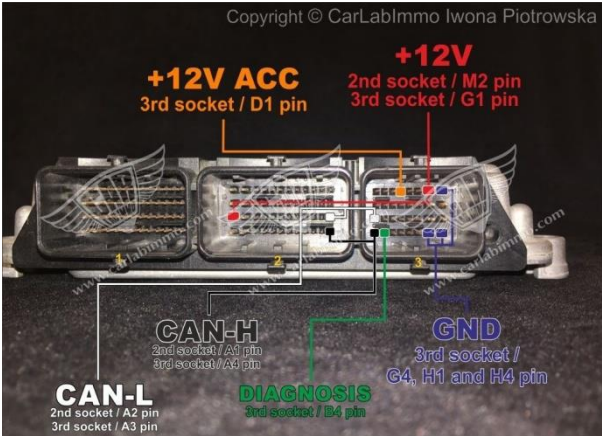
[GO TO VIDEO](#)

[GO TO VIDEO](#)

EDC16



EDC16 v1

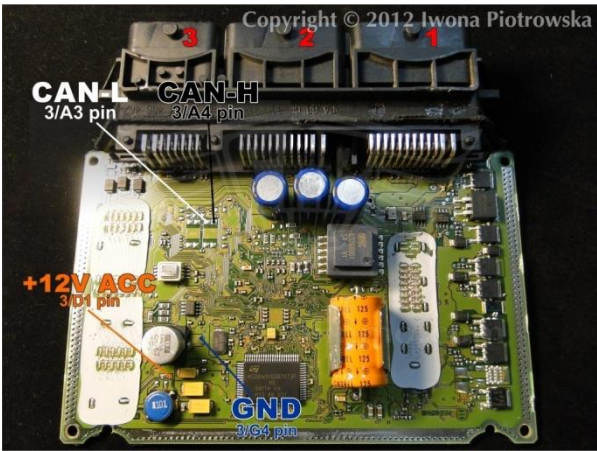


EDC16 v2



Connecting emulator to ECU

+12V ACC	3/D1 pin
GND	3/G4 pin
CAN H	3/A4 pin
CAN L	3/A3 pin



### If you use CAN emulator:

1. Cut CAN-L line from the ECU plug.
2. Put the switch-key inside the cabin by the ignition switch.
3. After inserting the key, disconnect with CAN-L switch and start the ignition.
4. Short it with CAN-L switch and start the car.
5. That is a security switch, so that you can start the car safely.

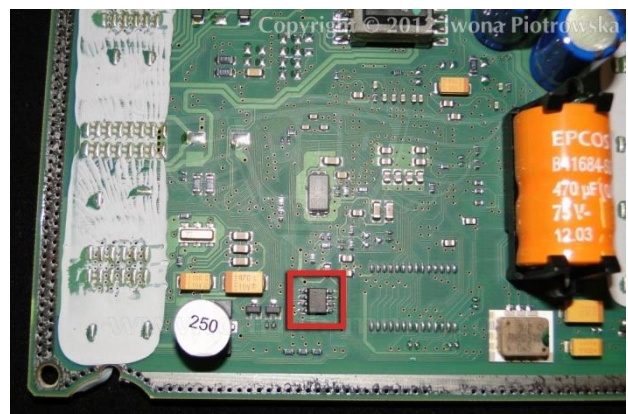
### EDC16 with separate flash



EDC16 v1



EDC16 v2



Find **Eeprom** memory in ECU





## Connecting emulator to ECU

**+12V ACC** 3/D1 pin

**GND** 3/H4 pin

**CAN H** 3/A4 pin

**CAN L** 3/A3 pin

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	na
00000000	00	20	65	A1	38	FF	FF	31	33	2D	30	31	2D	30	34	FF	e-8' 13-01-04
00000010	FF	FF	31	33	2D	30	31	2D	30	34	08	10	18	76	22	69	13-01-04...v'i
00000020	13	01	04	18	24	49	31	30	33	37	33	36	38	37	33	34	\$11037368734
00000030	01	0A	2F	2F	32	32	38	37	33	35	38	41	4E	4C	F0	11	//2287358ANLd.
00000040	00	01	00	55	AA	FE	FE	00	00	00	00	00	00	00	00	00	U511
00000050	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000060	00	01	8C	0F	94	33	E7	14	D9	5A	C1	66	B2	41	26	A5	S'3c.0ZAf.A&A
00000070	3E	99	4D	BE	F7	87	00	00	00	00	00	00	00	00	00	00	>MI-t
00000080	00	01	02	57	A8	FE	FA	00	00	00	00	00	00	00	00	00	V'1d
00000090	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000000A0	56	46	31	43	4D	52	47	30	36	33	31	31	39	32	33	32	VF1CHRG063119232
000000B0	36	B9	49	FB	02	00	00	00	00	00	00	00	00	00	00	00	6aId
000000C0	00	00	00	00	20	00	20	00	20	00	20	00	00	00	FF	FF	
000000D0	EF	B4	03	E0	00	14	F8	2F	FF	D4	06	20	40	94	00	00	z'f'f/0.0"
000000E0	00	00	00	00	00	00	F7	1E	00	00	00	00	00	00	00	00	

Find repeated values from 062 to 075 addresses and change this values into  
**8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5**  
**3E 99 4D BE F7 87** in all eeprom memory content

## 1<sup>st</sup> possible change of memory

Find repeated values from **062** to **075** addresses and change these values into  
**8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5**  
**3E 99 4D BE F7 87** in all eeprom memory content

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	na
00000620	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000630	9B	93	15	A8	01	53	C1	9D	97	9E	00	00	00	00	00	00	SAt-2
00000640	00	00	00	00	01	02	02	02	02	02	04	01	01	06	FF	FF	
00000650	FF	FF	06	0A	FF	FF	00	00	00	3D	00	00	00	D7	31	9E	x12
00000660	E3	41	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ΔA
00000670	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000680	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000690	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000006A0	00	FF	E9	00	00	00	00	00	00	00	00	00	00	00	00	00	e
000006B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000006C0	FF	FF	FF	FF	04	C0	FB	28	00	00	00	00	00	00	00	00	Ru(
000006D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000006E0	00	01	8C	0F	94	33	E7	14	D9	5A	C1	66	B2	41	26	A5	S'3c.0ZAf.A&A
000006F0	3E	99	4D	BE	F7	87	00	00	00	00	00	00	00	00	00	00	>MI-t
00000700	00	01	2F	2F	FF	87	00	00	00	00	00	00	00	00	00	00	//+

Find repeated values from 06E2 to 06F5 addresses and change this values into  
**8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5**  
**3E 99 4D BE F7 87** in all eeprom memory content

## 2<sup>nd</sup> possible change of memory

Find repeated values from **06E2** to **06F5** addresses and change these values into  
**8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5**  
**3E 99 4D BE F7 87** in all eeprom memory content

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000900	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01
00000910	01	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000920	00	00	00	00	0E	FF	D2	00	00	00	00	00	00	00	00	00
00000930	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000940	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000950	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000960	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01
00000970	01	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000980	00	00	00	00	0E	FF	D2	00	00	00	00	00	00	00	00	00
00000990	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000009A0	FF	D5	FF	C8	FF	B6	FF	DB	F8	B8	00	00	00	00	00	00
000009B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000009C0	00	01	8C	0F	94	33	E7	14	D9	5A	C1	66	B2	41	26	A5
000009D0	3E	99	4D	BE	F7	87	00	00	00	00	00	00	00	00	00	00
000009E0	00	FF	E0	00	00	00	00	00	00	00	00	00	00	00	00	00

3<sup>rd</sup> possible change of memory

Find repeated values from **9C2** to **9D5** addresses and change these values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

Find repeated values from 9C2 to 9D5 addresses and change this values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000A40	FF	FF	FF	FF	07	18	FB	C5	00	00	00	00	00	00	00	00
00000A50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000A60	00	01	8C	0F	94	33	E7	14	D9	5A	C1	66	B2	41	26	A5
00000A70	3E	99	4D	BE	F7	87	00	00	00	00	00	00	00	00	00	00
00000A80	00	01	2F	2F	FF	7F	00	00	00	00	00	00	00	00	00	00
00000A90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000AA0	00	00	00	00	01	00	01	00	01	00	01	00	01	00	01	00
00000AB0	01	00	01	00	01	00	01	00	00	00	00	00	00	00	00	00
00000AC0	5A	FF	2E	00	00	00	00	00	00	FD	CC	00	00	00	00	00
00000AD0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000AE0	FF	FC	FE	66	01	9A	FF	FC	E0	00	01	9A	F8	6C	00	00
00000AF0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000B00	00	00	00	00	FF	FB	FF	FB	00	00	00	00	00	00	00	00
00000B10	00	00	00	00	03	1F	04	B0	01	F4	01	F4	00	FF	00	00
00000B20	00	00	00	00	00	00	00	00	8A	D3	8A	D3	FE	0C	D8	F1

4<sup>th</sup> possible change of memory

Find repeated values from **0A62** to **0A75** addresses and change these values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

Find repeated values from 0A62 to 0A75 addresses and change this values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000730	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000740	0F	F0	FE	E9	00	00	00	00	00	00	00	00	00	00	00	00
00000750	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000760	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000770	00	00	00	00	00	00	00	00	00	00	00	00	00	FF	E7	00
00000780	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000790	00	00	00	00	00	00	00	00	00	00	00	00	00	FF	E6	00
000007A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
000007B0	00	00	00	00	00	00	00	00	00	00	FF	E5	00	00	00	00
000007C0	00	01	8C	0F	94	33	E7	14	D9	5A	C1	66	B2	41	26	A5
000007D0	3E	99	4D	BE	F7	87	00	00	00	00	00	00	00	00	00	00
000007E0	3B	1E	35	36	37	35	33	33	35	36	38	3C	3E	3F	41	41
000007F0	00	00	00	00	00	00	FF	01	02	FB	6D	00	00	00	00	00

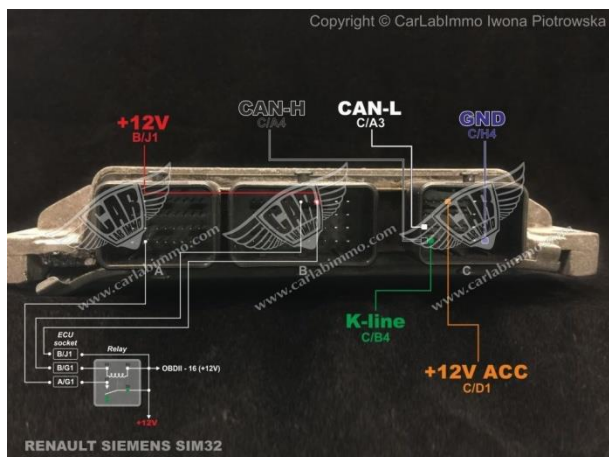
5<sup>th</sup> possible change of memory

Find repeated values from **7C2** to **7D5** addresses and change these values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

Find repeated values from 7C2 to 7D5 addresses and change this values into **8C 0F 94 33 E7 14 D9 5A C1 66 B2 41 26 A5 3E 99 4D BE F7 87** in all eeprom memory content

For Nissan Interstar ECU 0 281 012 200 cut pin D3 from connector "A" (middle connector).  
This is the CAN L line!!!

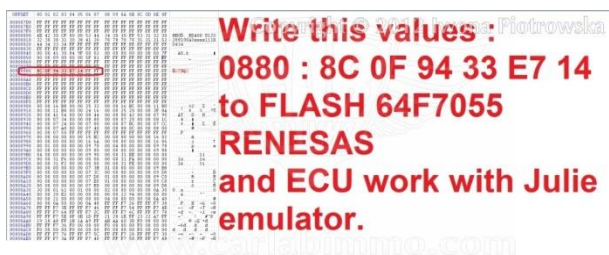
## SIEMENS SIM32



*Click on the thumbnail to watch the video*

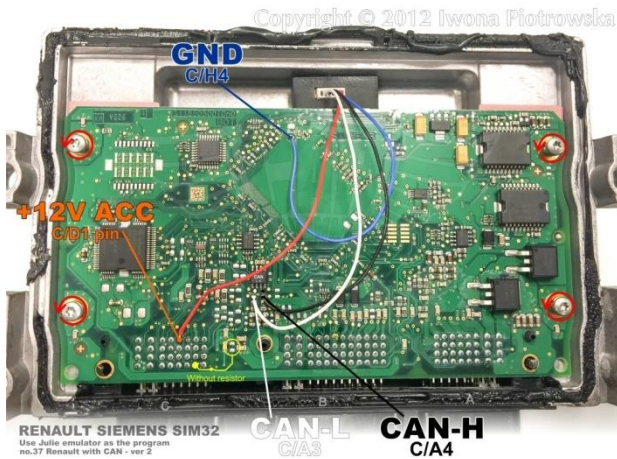


Find **63F7055 RENESAS** flash memory in ECU



In the addresses from **880** to **885**  
write **8C 0F 94 33 E7 14** values





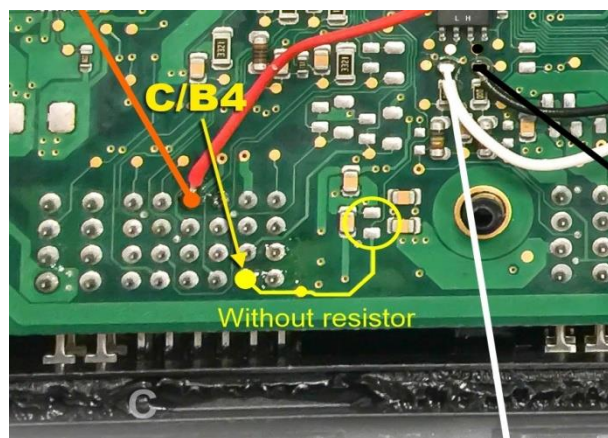
+12V ACC C/D1 pin

GND C/H4 pin

CAN H C/A4 pin

CAN L C/A3 pin

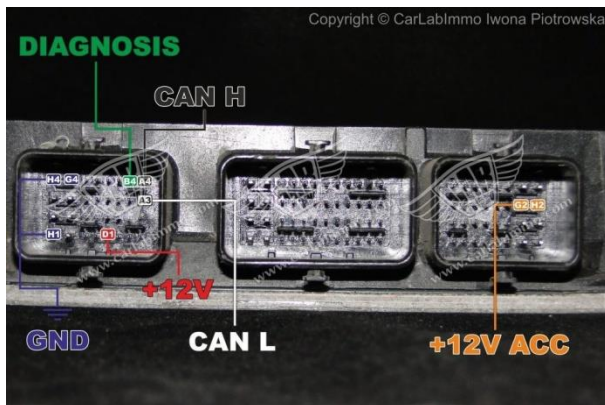
### Connecting emulator to ECU



**ATTENTION!**  
**EMULATOR WORKS ONLY WITH ECUS WHICH HAVE NO RESISTOR**  
**IN PLACE MARKED ON THE PHOTO.**



## DELPHI DCM1.2



Find **95160** memory



### Connecting emulator to ECU

+12V ACC 3/D1 pin

GND 3/H1 pin

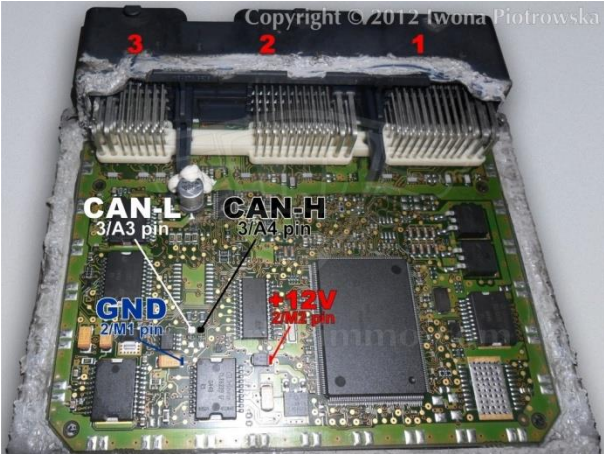
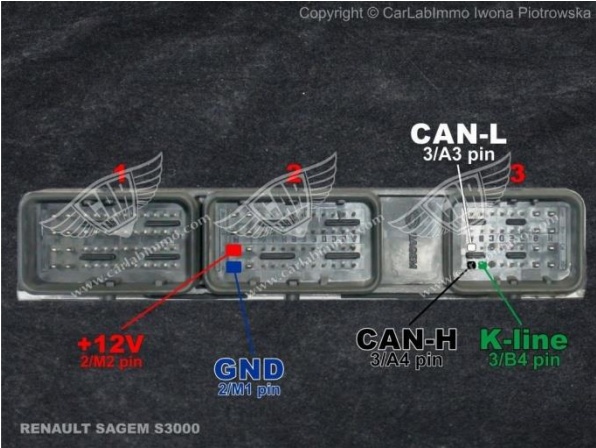
CAN H 3/A4 pin

CAN L 3/A3 pin

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000000	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000010	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000020	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000030	F3	37	07	29	32	D8	B7	35	86	02	C5	01	C2	00	C3	0F
00000040	CC	00	C3	00	C3	00	C3	00	C3	6C	00	BF	FE	60	00	E0
00000050	FE	60	00	E0	FE	3C	00	44	FF	18	00	A8	FF	10	00	C0
00000060	FF	08	00	D8	FF	26	2D	00	53	FF	28	00	58	FF	22	00
00000070	2E	FF	18	00	68	FF	0E	00	A2	FF	0E	00	A2	FF	0E	00
00000080	A2	FF	E2	31	00	BA	FE	28	00	D8	FE	36	00	CA	FE	0C
00000090	00	34	FF	E2	FF	9E	FF	E2	FF	9E	FF	E2	FF	9E	FF	01
000000A0	DE	FF	ED	FF	E4	FF	DC	FF	DA	FF	C6	FF	F8	FF	A8	FF
000000B0	16	00	8A	FF	06	00	BA	FF	F6	FF	EA	FF	B8	00	C3	FF
000000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000000F0	FF	C3	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	C3	00	C3	00	00	00
00000110	00	00	00	00	00	00	00	00	00	00	00	00	C3	08	00	CB
00000120	00	C3	E8	FF	D4	F0	FF	CC	20	05	00	00	BA	0C	5C	0B
00000130	F1	2F	00	00	00	00	02	00	00	00	FF	00	01	05	03	00
00000140	86	34	00	76	01	FF	19	3D	01	0D	27	04	00	C3	27	5A
00000150	37	6A	02	AC	2E	00	00	00	00	FF	02	02	00	00	00	CC
00000160	00	00	25	00	FF	5B	3B	00	EC	1B	0D	0D	44	0B	2D	02
00000170	00	00	01	00	32	41	00	00	02	00	03	05	00	00	00	00
00000180	00	30	00	FF	0B	16	02	00	00	2A	0B	30	0B	F2	1B	00
00000190	00	0D	00	0D	00	02	00	02	00	04	05	01	00	00	00	00

In 95160 memory in the addresses from 00 to 1F change values into 00

SAGEM S3000



Connecting emulator to ECU

- +12V ACC 2/M2 pin
- GND 2/M1 pin
- CAN H 3/A4 pin
- CAN L 3/A3 pin



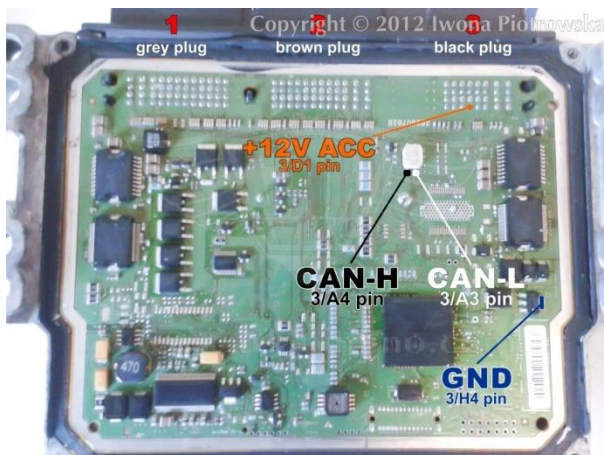
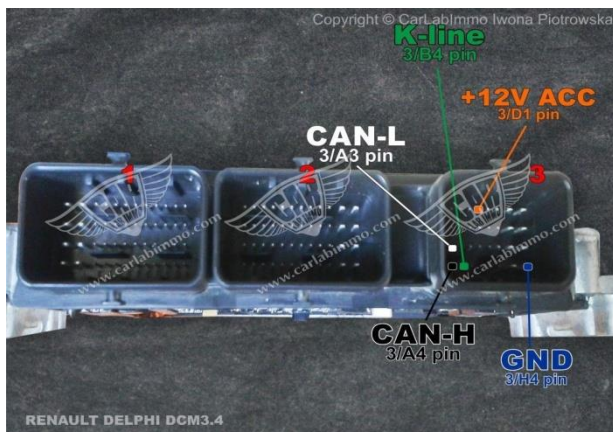
OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
000003D0	00	00	BA	45	00	00	7A	4B	00	00	53	4C	00	00	60	4F
000003E0	00	00	16	4B	D0	3B	00	00	9B	4B	00	00	3C	42	00	00
000003F0	41	47	00	00	95	49	00	00	06	4C	00	00	14	47	3B	4E
00000400	00	00	FF	FF	FF	FF	FF	FF	00	00	00	00	00	00	00	00
00000410	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000420	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000430	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000440	00	00	FF	FF	00	00	37	00	C2	00	97	01	E2	02	DD	04
00000450	AD	05	23	09	E0	E6	39	0C	9D	13	50	1F	FA	26	FD	2D
00000460	BC	34	DE	3B	D0	44	FC	FF	00	01	7C	BS	FF	FF	FF	FF
00000470	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000480	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000490	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000004F0	21	58	41	52	00	42	31	FF	FF	FF	FF	FF	6E	14	FF	FF
00000500	21	58	42	88	02	41	30	00	00	00	00	00	6A	DE	FF	FF
00000510	00	00	00	00	00	00	00	00	00	00	FF	FF	00	FF	00	00
00000520	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000530	00	01	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000540	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000550	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000560	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000570	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000580	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000590	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
000005A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF

In Eeprom memory in the  
addresses from **420** to **42C**  
change values into  
**FF FF FF FF FF FF FF FF**  
**FF FF FF FF 05**

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00000300	00	00	00	00	FF	FF	00	00	00	00	00	00	00	00	00	00
00000310	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000320	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000330	00	00	00	00	00	00	00	00	00	FF	FF	00	00	00	00	00
00000340	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
00000350	00	00	00	00	00	00	00	00	FF	FF	00	00	00	00	16	00
00000360	21	C8	00	00	00	00	00	01	C8	36	8C	06	0F	00	08	00
00000370	0F	0F	00	00	00	00	00	00	00	05	01	01	01	00	47	E9
00000380	47	0C	1C	14	9A	1B	25	05	00	01	7D	ED	2D	05	2F	05
00000390	01	02	23	00	19	01	A3	0A	01	00	00	00	3C	40	00	00
000003A0	E2	42	94	11	00	03	10	50	00	00	3C	40	00	00	7A	42
000003B0	00	00	23	44	00	00	87	41	00	00	87	41	00	00	87	41
000003C0	91	74	00	00	E2	42	00	00	D7	42	00	00	22	45	00	00
000003D0	31	42	00	00	31	42	00	00	31	42	91	6E	00	00	FF	FF
000003E0	00	00	00	00	00	00	00	00	00	00	FF	FF	00	40	00	40
000003F0	00	40	00	40	00	40	FF	FE	00	00	32	00	C2	00	87	01
00000400	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000410	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000420	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000430	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
00000440	00	00	00	00	00	00	00	00	00	00	FF	FF	48	01	00	05
00000450	01	00	02	00	00	0A	72	C0	74	C2	2C	00	10	14	B4	03
00000460	45	9E	00	76	00	00	00	10	0A	01	C0	00	C0	72	00	74
00000470	14	2C	03	10	9E	BA	69	46	00	00	10	00	01	00	00	0A
00000480	73	C0	73	C2	2C	00	0F	19	BA	03	39	A1	00	78	00	00
00000490	00	10	FB	01	00	01	CB	3C	02	00	0C	00	F1	FF	41	3C
000004A0	00	80	09	3D	00	80	00	30	BS	56	65	00	85	03	61	00

In addresses from **0400** to **043F** change  
values to **FF**

## DELPHI DCM3.4



## Connecting emulator to ECU

**+12V ACC 3/D1 pin**

**GND 3/H4 pin**

**CAN H 3/A4 pin**

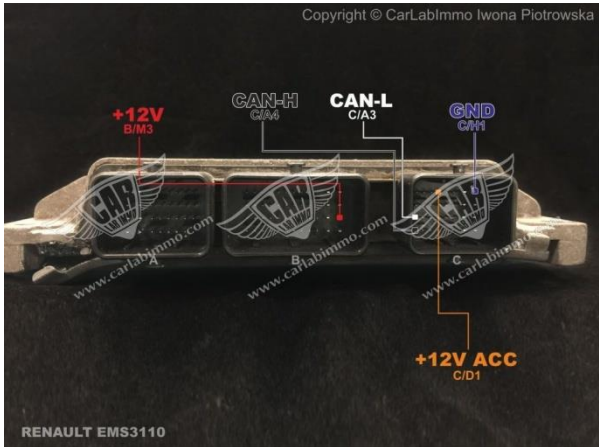
**CAN L 3/A3 pin**



OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000000	4E	4F	20	56	49	52	47	49	4E	00	02	8D	50	34	43	38	NO VIRGIN TP4C8
00000010	36	48	48	34	5F	32	36	4A	61	6E	32	30	31	32	20	20	6HH4_26Jan2012
00000020	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
00000030	20	20	32	33	37	31	30	32	36	35	31	52	09	3C	00	00	237102651R.<
00000040	14	E7	33	94	0F	8C	02	5E	00	00	00	00	00	00	00	00	cg3.S
00000050	00	01	00	00	00	01	C1	40	9E	44	01	E4	02	02	02	02	A@d.S
00000060	30	42	04	20	42	02	10	10	30	42	04	20	42	02	10	10	0B.B...0B.B...
00000070	30	42	04	20	42	02	10	10	30	42	04	20	42	02	10	10	0B.B...0B.B...
00000080	B1	41	9A	1F	21	53	7D	E7	67	03	D0	CA	30	A5	41	9A	zAs.IS)cg.BE0AAs
00000090	1D	11	92	79	D7	28	FB	AF	CA	40	C1	41	A0	2D	11	D1	yx(uZB0AA-N
000000A0	79	E8	E5	FB	F1	49	E0	71	41	98	2D	01	D1	71	D5	60	ycCunlrqa-NqO
000000B0	E3	AB	46	00	01	01	01	01	00	00	00	00	00	00	00	00	asF.....
000000C0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000000D0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000000E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000000F0	00	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	00	
00000110	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000120	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00000130	FF	F1	FF	F1	FF	F1	FF	F1	FF	CC	FF	CC	00	14	FF	E2	uúúúúúúúúúú
00000140	09	C0	09	99	0A	CC	0A	CC	00	73	00	4C	00	4C	00	26	R=EEsLL&
00000150	01	80	01	CC	02	19	02	19	00	99	00	73	00	4C	00	4C	I.E=sLL
00000160	00	00	FF	FC	FF	FC	FF	F4	FF	FA	FF	F4	FF	FA	FF	F4	úúúúúúúúúú
00000170	FF	F4	FF	EE	00	18	FF	C4	00	28	00	32	00	28	00	0A	óí.A(2(o
00000180	00	03	00	00	00	00	FF	F7	FF	FB	FF	F6	00	00	FF	F6	úúúúúúúúúú
00000190	00	0C	00	00	00	12	FF	CA	00	15	00	15	00	15	00	0E	E
000001A0	00	0C	00	0F	FF	FD	00	03	52	AC	00	02	2C	0B	00	02	ý.R-
000001B0	24	B1	00	02	2C	2A	00	02	2C	2A	00	02	1D	CD	00	02	±.*.*.I
000001C0	1B	B9	00	02	2B	BE	00	02	2B	BE	00	00	00	00	00	00	a.+I.+I
000001D0	00	00	01	B0	00	8B	00	C5	00	B8	00	99	00	99	03	0F	úúúúúúúúúú

In Eeprom memory in the address 040 to 047 change values into 14 E7 33 94 0F 8C 02 5E

EMS3110



Connecting emulator to ECU

+12V ACC 3/D1 pin

GND 3/H1 pin

CAN H 3/A4 pin

CAN L 3/A3 pin

OFFSET	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00001BC0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001BD0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001BE0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001BF0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C00	8C	0F	94	33	E7	14	73	F0	6B	CC	18	EB	00	00	00	00	S 3c s d k E 6
00001C10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001C90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CA0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CB0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CC0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CD0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CE0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001CF0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001D90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00001DA0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....

In MPC processor in the addresses from  
**1C00 to 1C0B** change values into  
**8C 0F 94 33 E7 14 73 F0**  
**6B CC 18 EB**