

Diagnostic device

i11- Immobilizer emulator for Renault CAN

Bosch: EDC15, EDC16 CP33-6.6, EDC17, EMS3110, EMS3132, EMS3134

Delphi: DCM1.2, Delphi DCM3.4, Delphi DDCR

Magn  Marelli IAW 5NR2.C2

Sagem: S3000

Siemens: SID301, SID305, SIM32, Sirius 32, Sirius 34

Valeo: V40, V50

and others...

Wire marks in emulator

red	+12V ACC (15)
blue	GND
black	CAN-H
white	CAN-L

LED diodes colors in emulator

green	Emulator supply
red	Matched emulator with ECU

Programming:

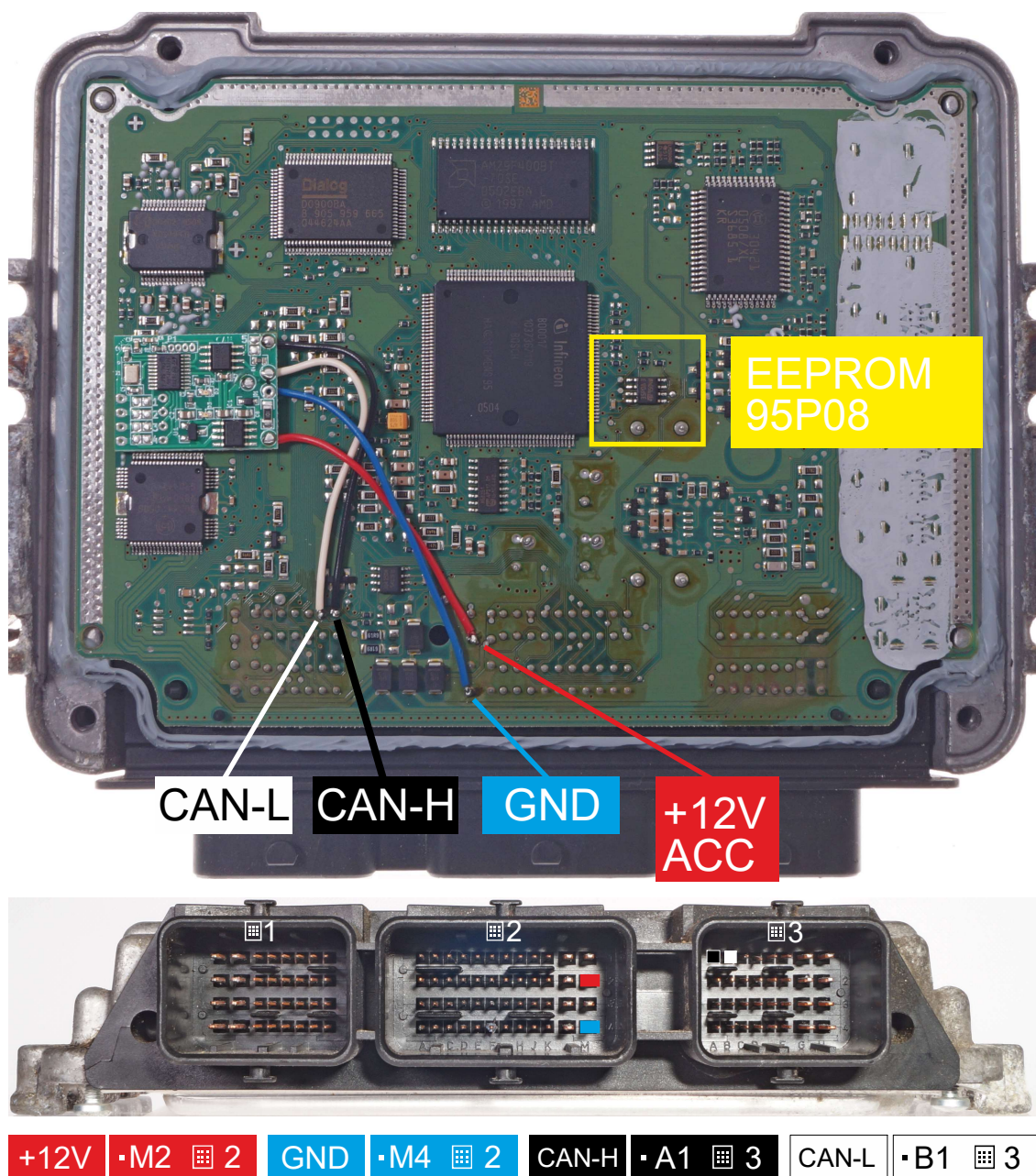
- Read ECU controller memory, save batch to file.
- Log in to the Fenix IBP online platform (ibp.fenixks.com) and generate new batch file based on the batch read from the ECU.
- Load new batch file generated by application to 24C04 eeprom memory in emulator.

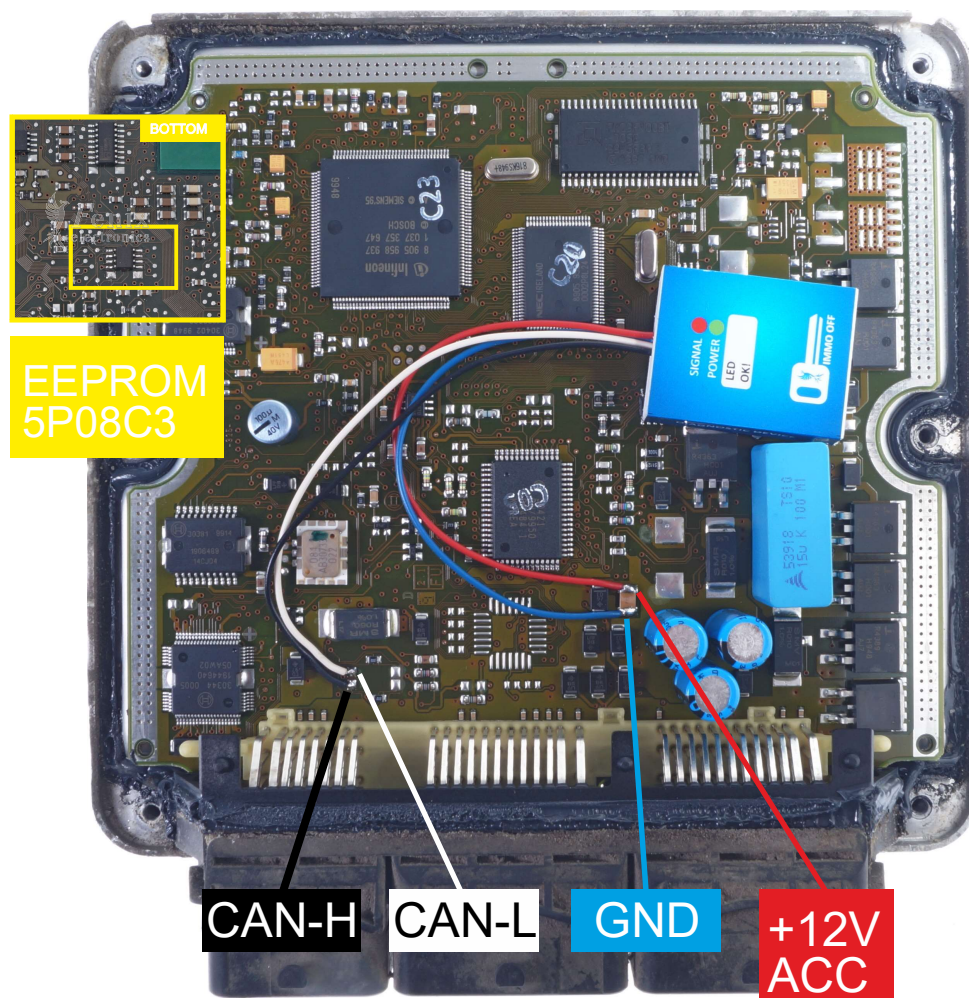
Installation of the emulator to the ECU:

- Connect the emulator to the ECU controller.

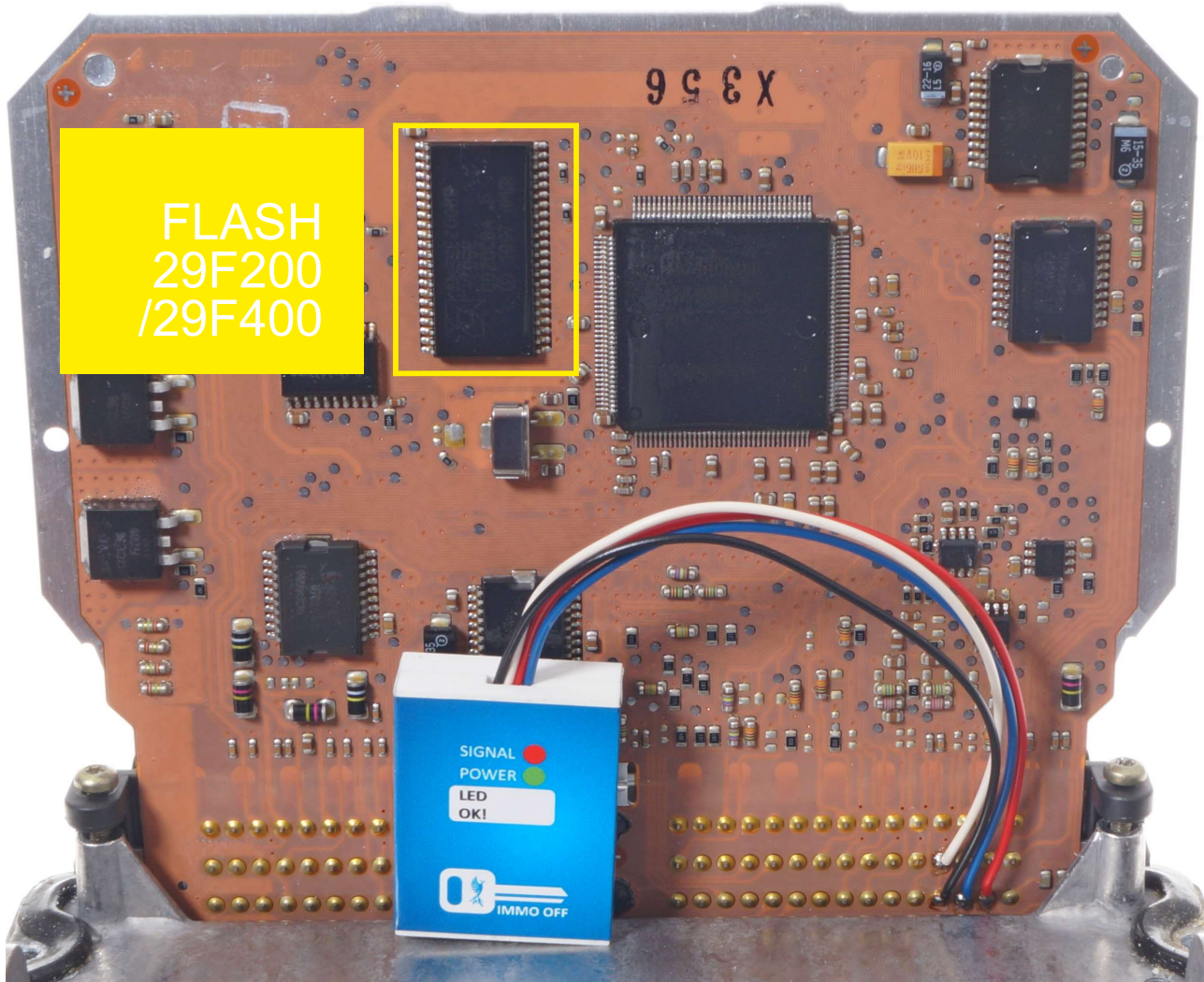
Example assembly photos available in the Fenix IBP application after selecting a given ECU.







+12V	·D1	3	GND	·H1	3	CAN-H	·A4	3	CAN-L	·A3	3
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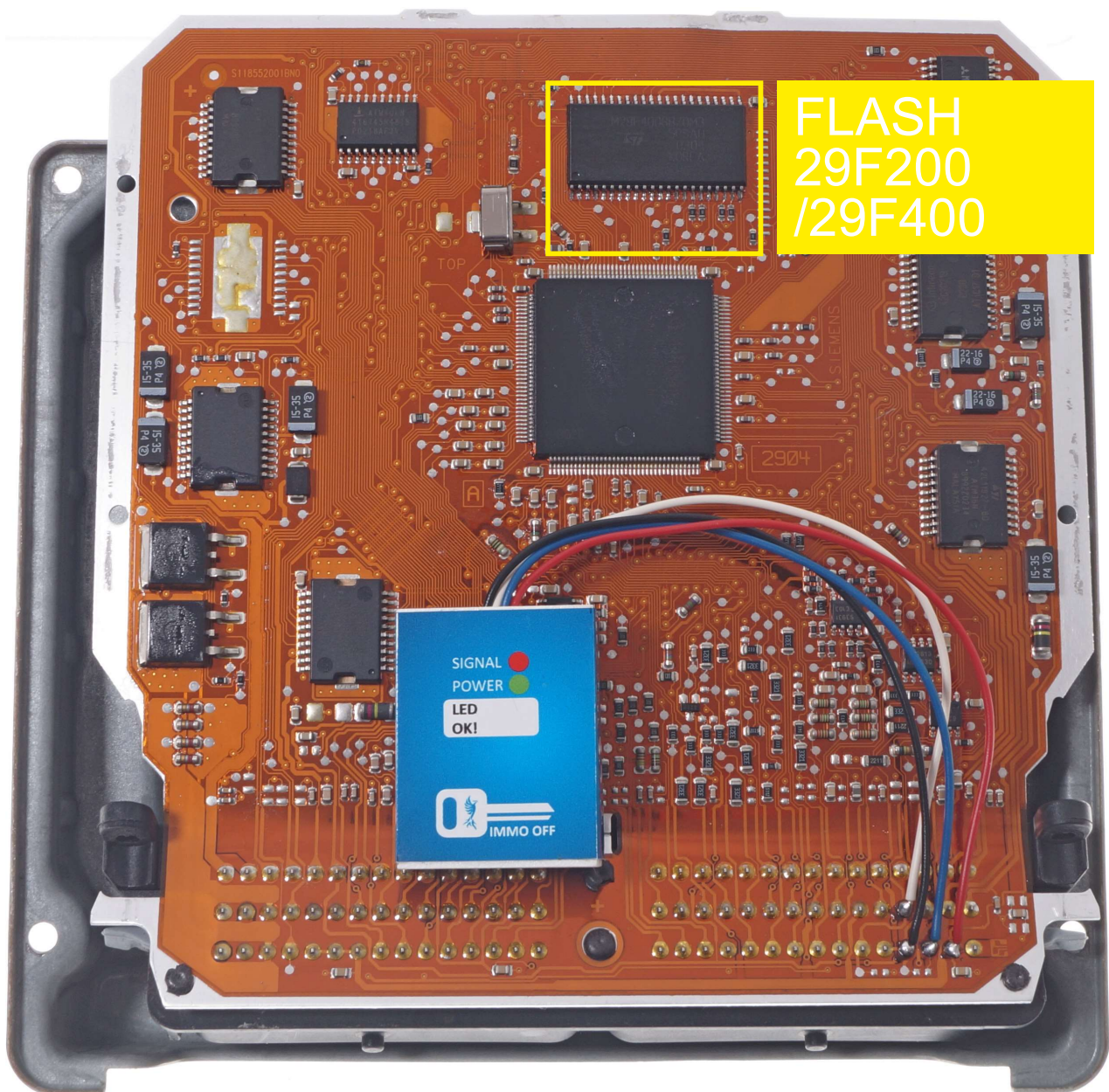


+12V (30)	+12V (15)	GND	CAN-H	CAN-L
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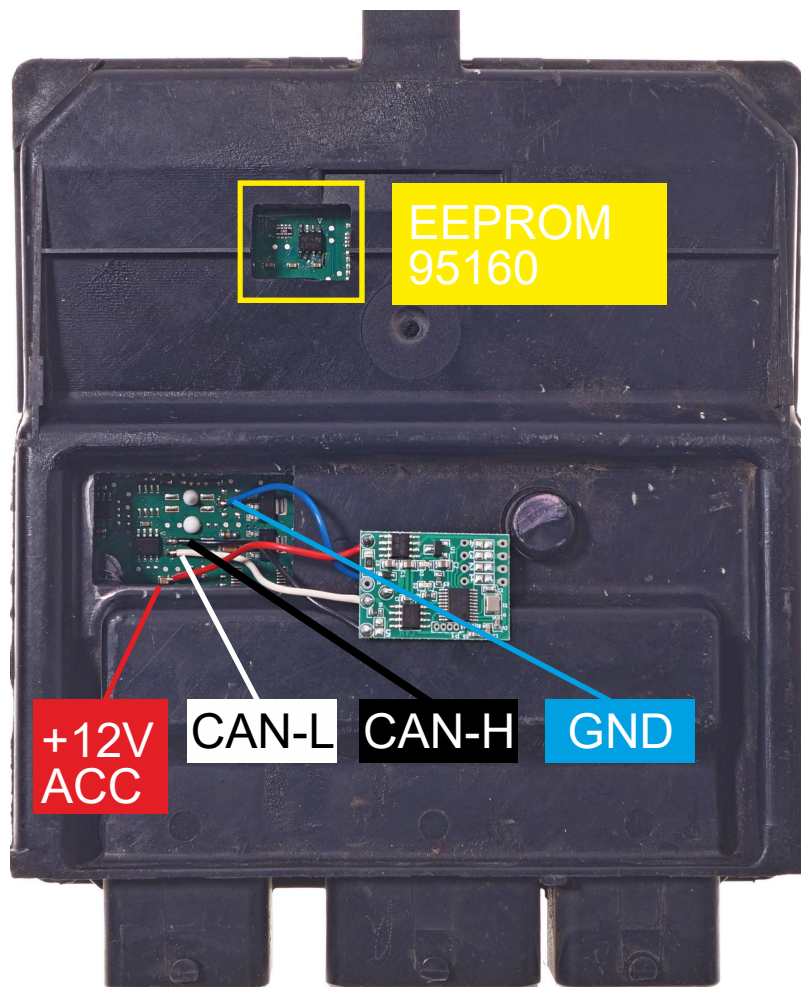
Figure 1 consists of two horizontal bar charts, A and B, each representing a distribution of 100 items across 10 categories. The categories are represented by small squares, and the total count for each chart is 100.

Chart A: The distribution is decreasing. The counts for the 10 categories are: 75, 61, 46, 31, 16, 11, 6, 3, 2, and 1.

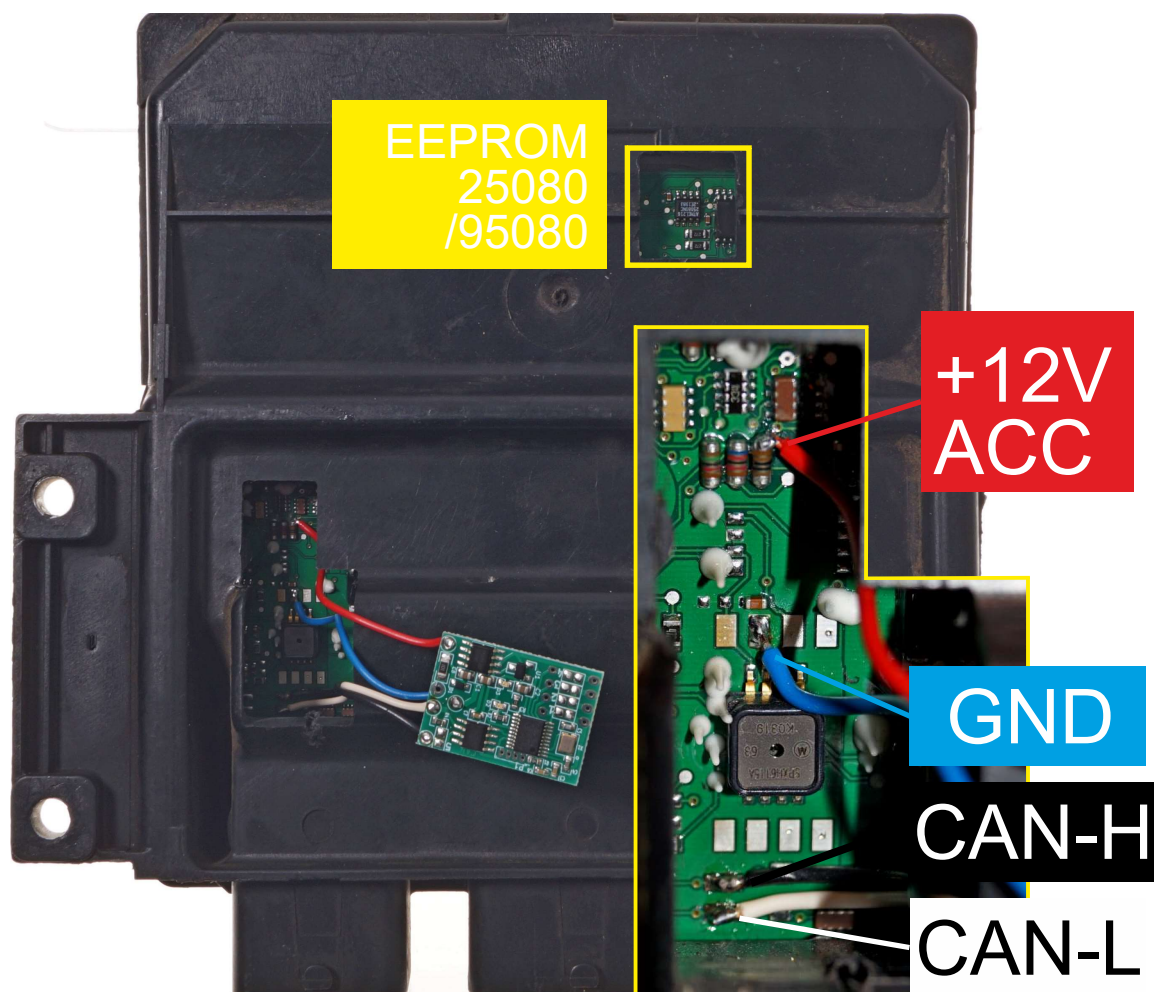
Chart B: The distribution is increasing. The counts for the 10 categories are: 16, 11, 6, 3, 2, 1, 11, 16, 31, and 46. The first four categories (16, 11, 6, 3) are highlighted with colored squares: yellow, red, blue, and black, respectively.



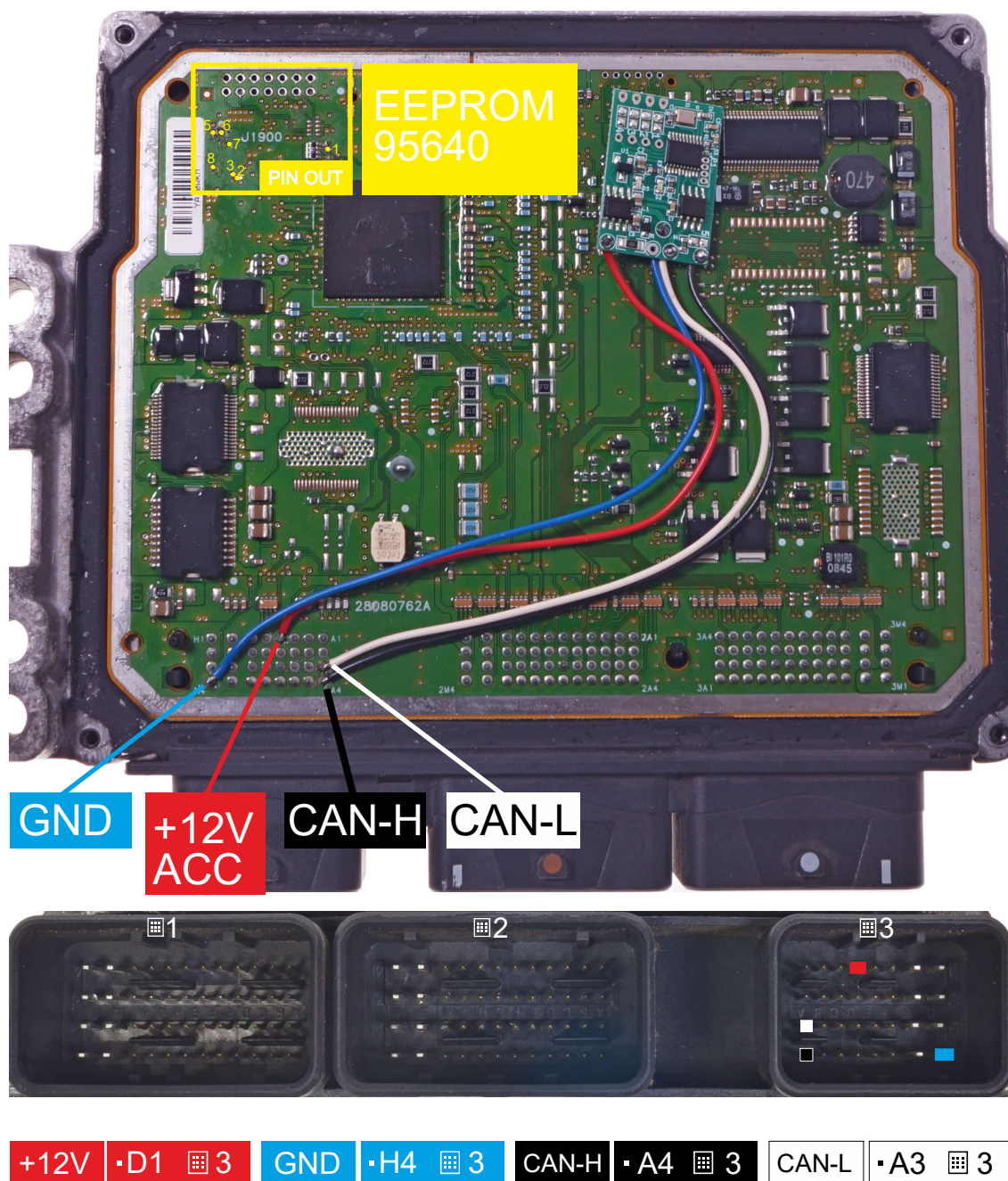
Pinout diagram for the CAN module. The top row shows the power and signal pins: +12V (30) in yellow, +12V (15) in red, GND in blue, CAN-H in black, and CAN-L in white. Below this are two rows of pins, labeled B and A. Row B contains pins 90, 60, and 30. Row A contains pins 75, 45, and 15. Each row shows a sequence of pins with their corresponding colors: yellow, red, blue, black, and then grey for the remaining pins. The pin numbers are listed at the ends of each row: 90, 76, 60, 46, 30, 16 for row B and 75, 61, 45, 31, 15, 1 for row A.



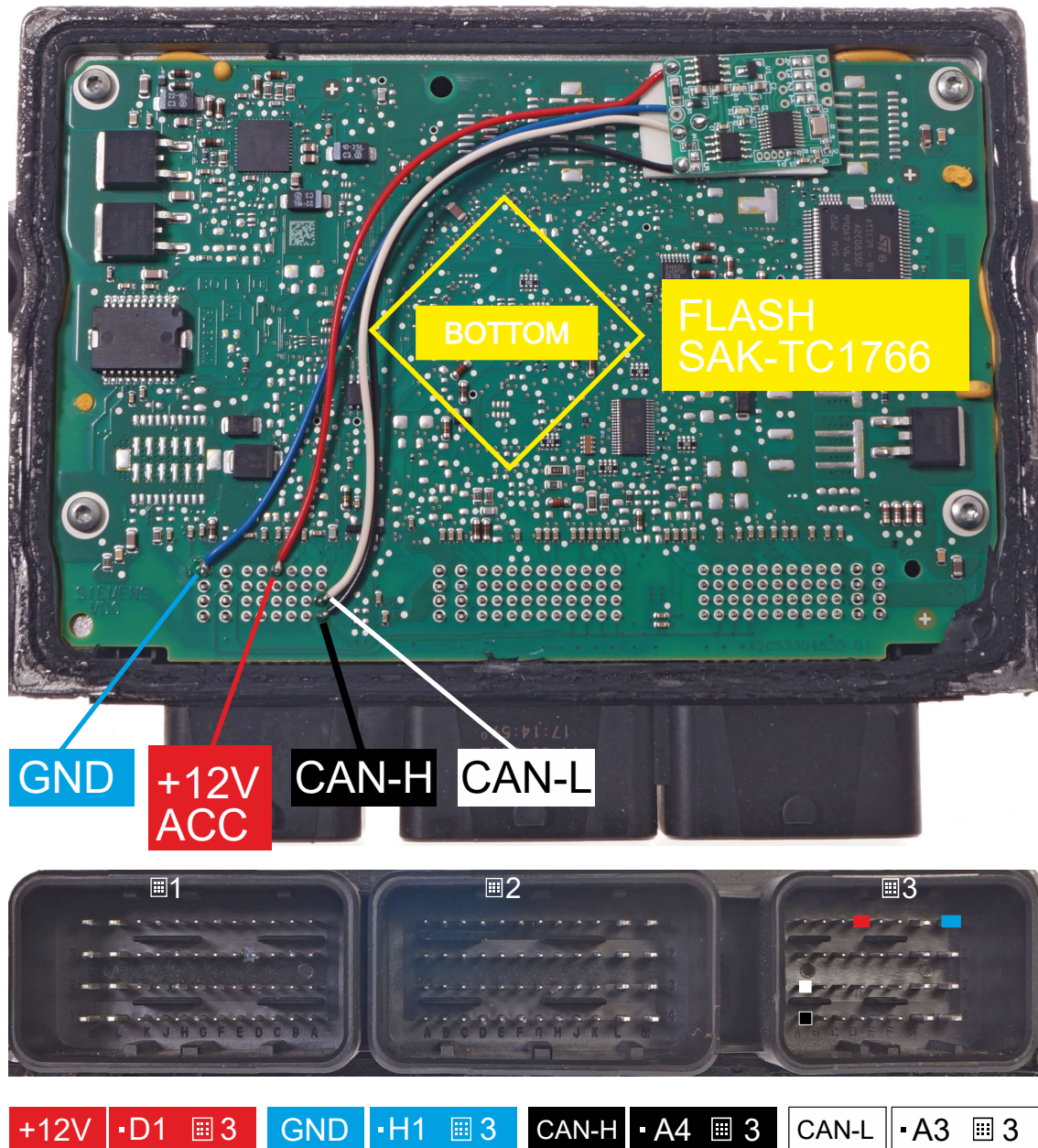
+12V	·H3	1	GND	·H4	3	CAN-H	·A4	3	CAN-L	·A3	3
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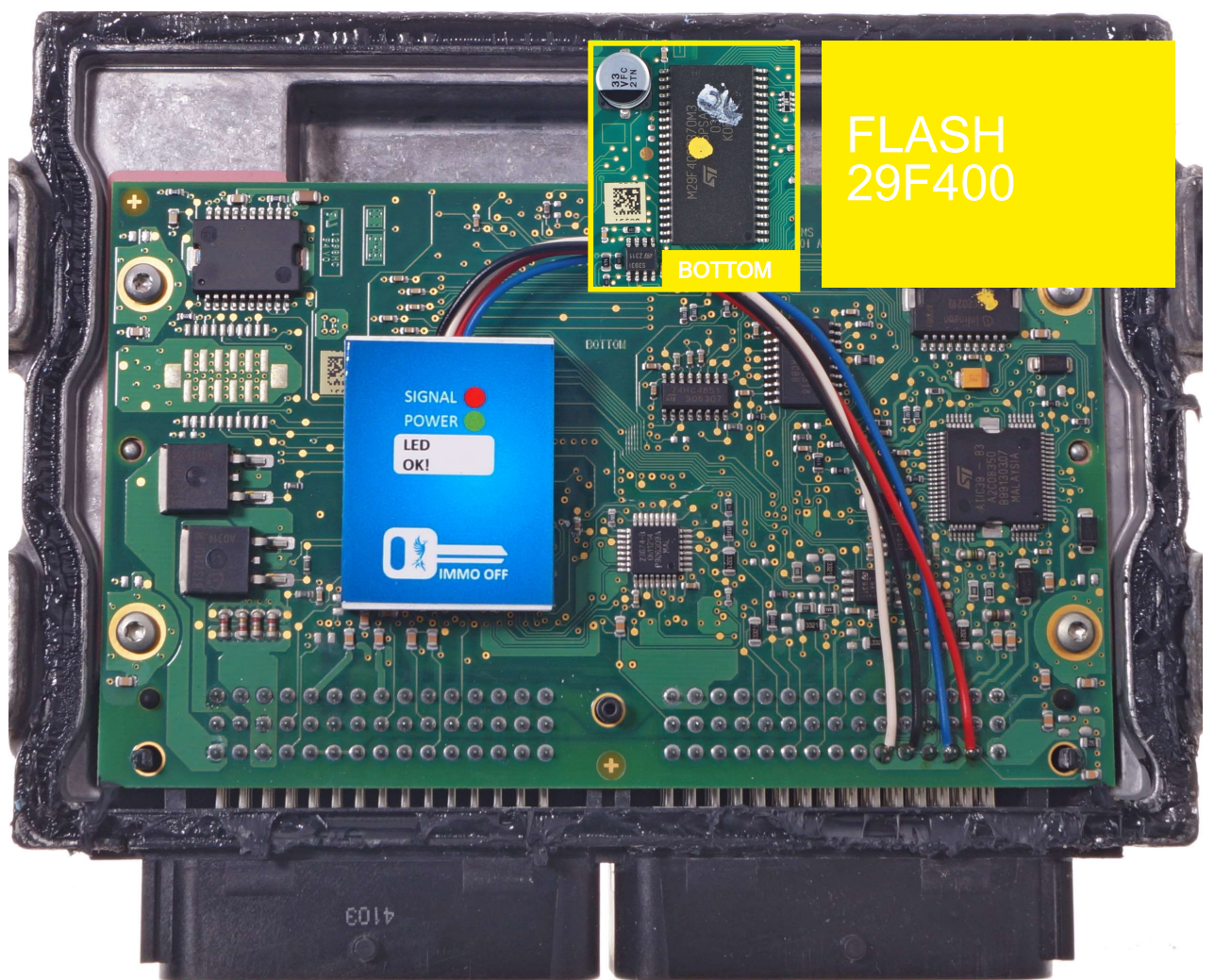


+12V	·H3 1	GND	·H4 3	CAN-H	·A4 3	CAN-L	·A3 3
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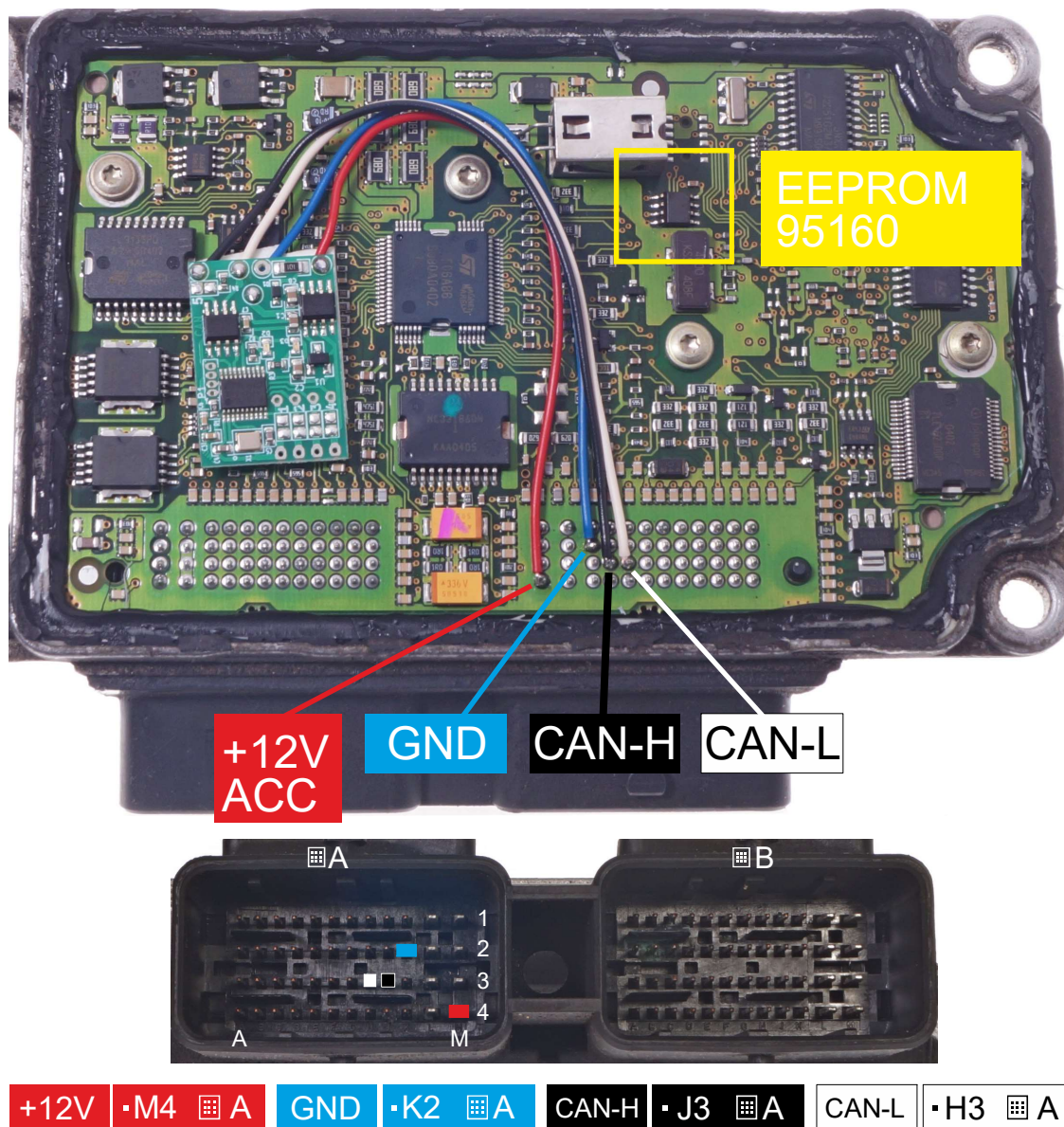


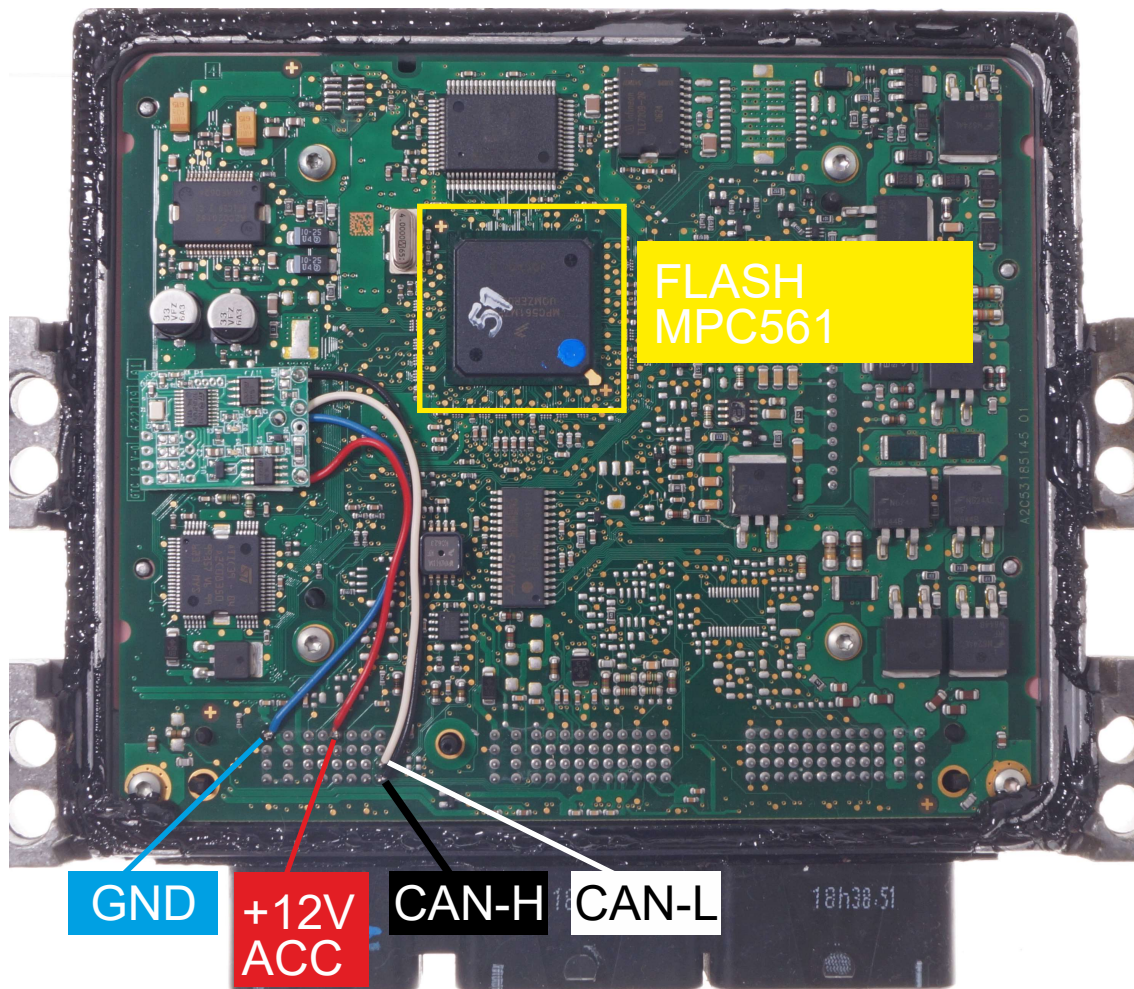
Renault, immo Siemens EMS3110



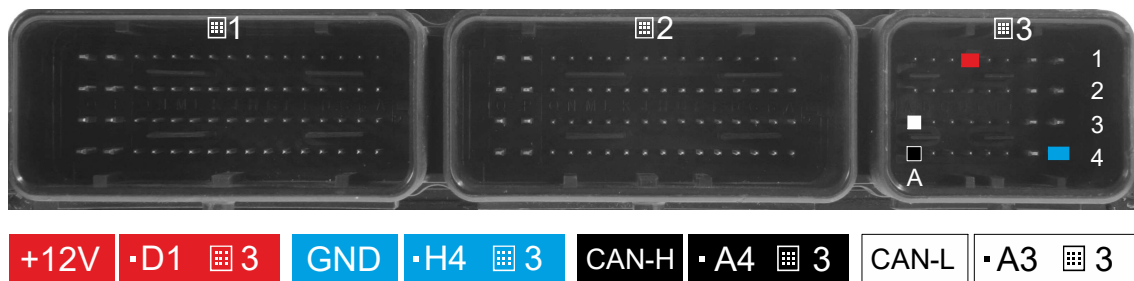
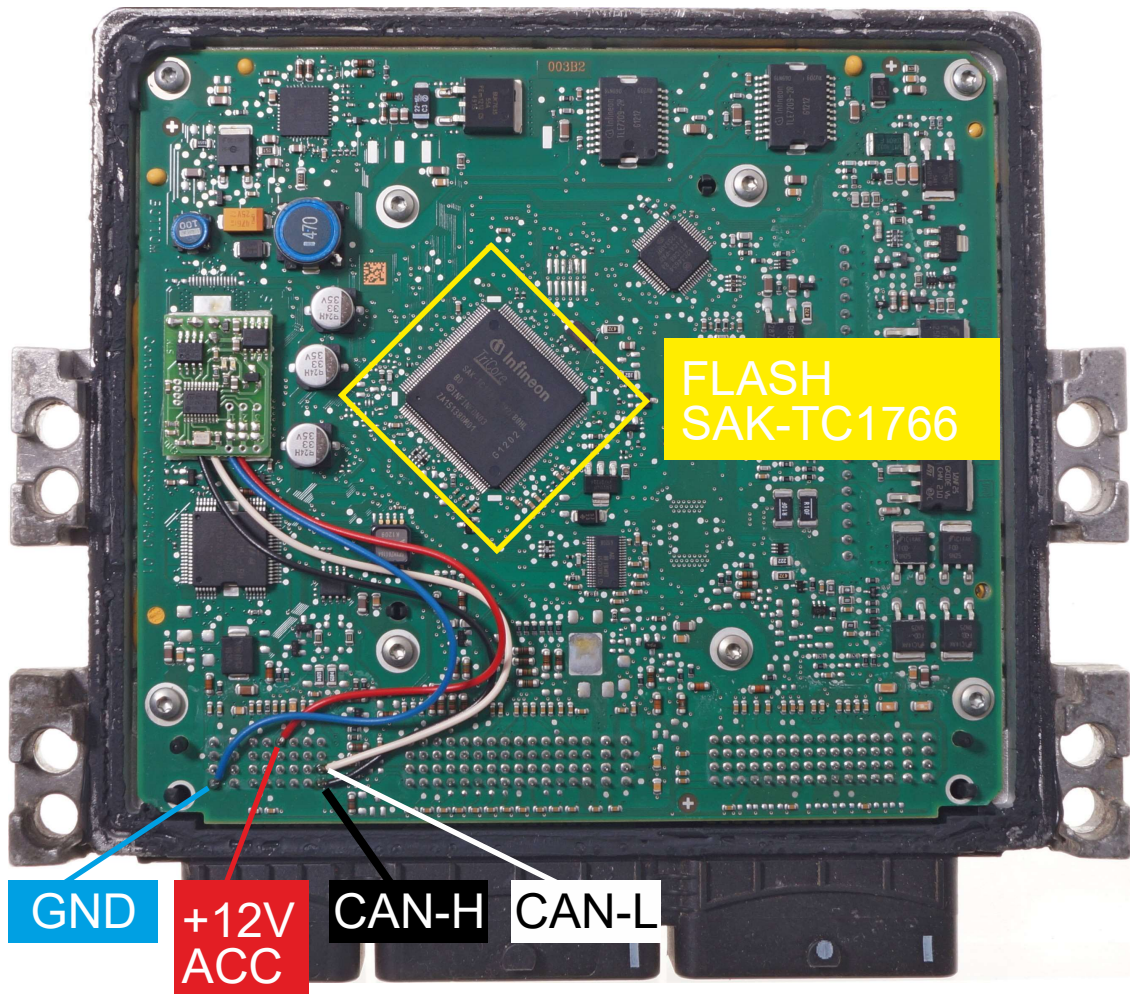
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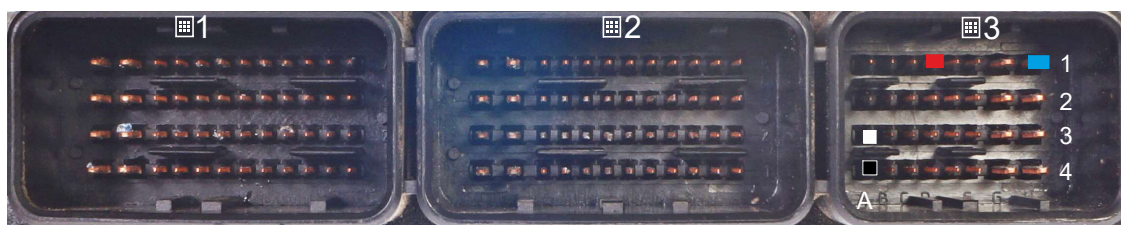
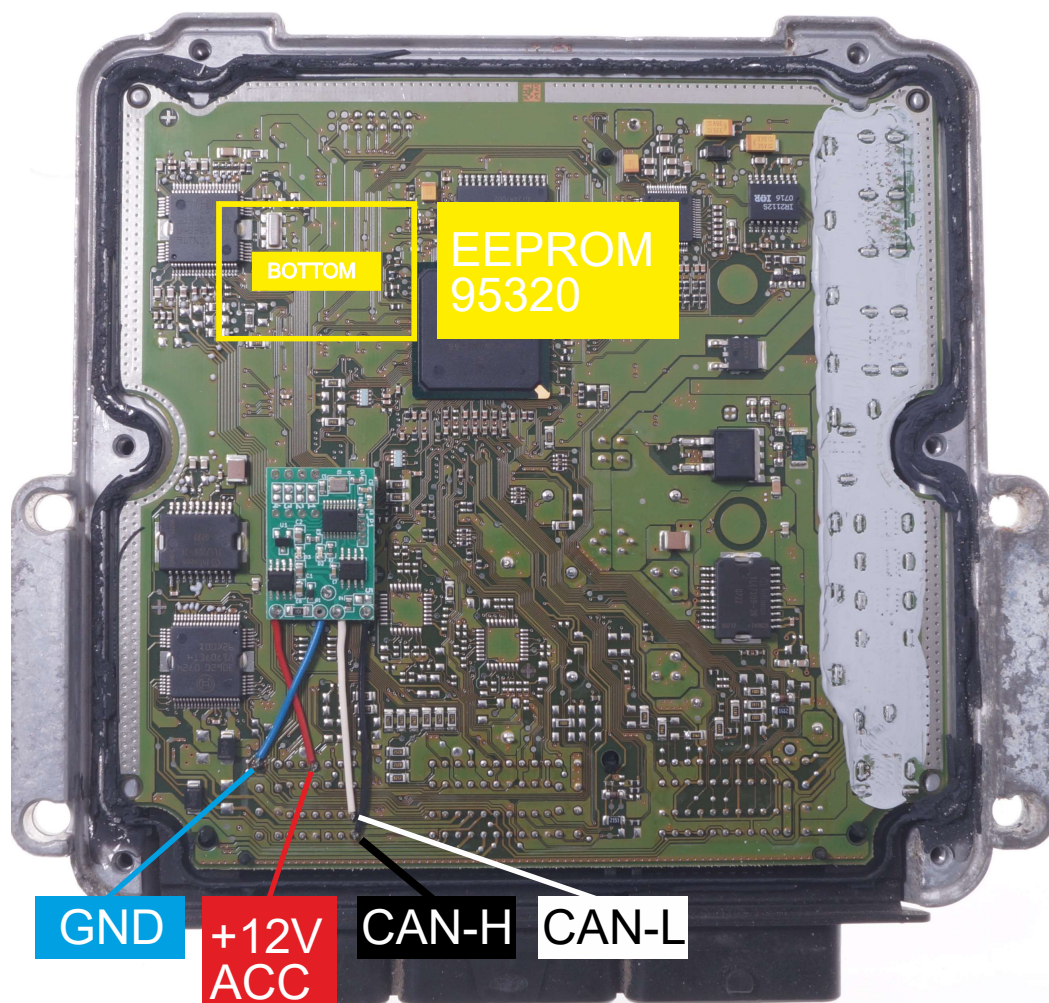
Renault, immo Magneti Marelli IAW 5NR2.C2



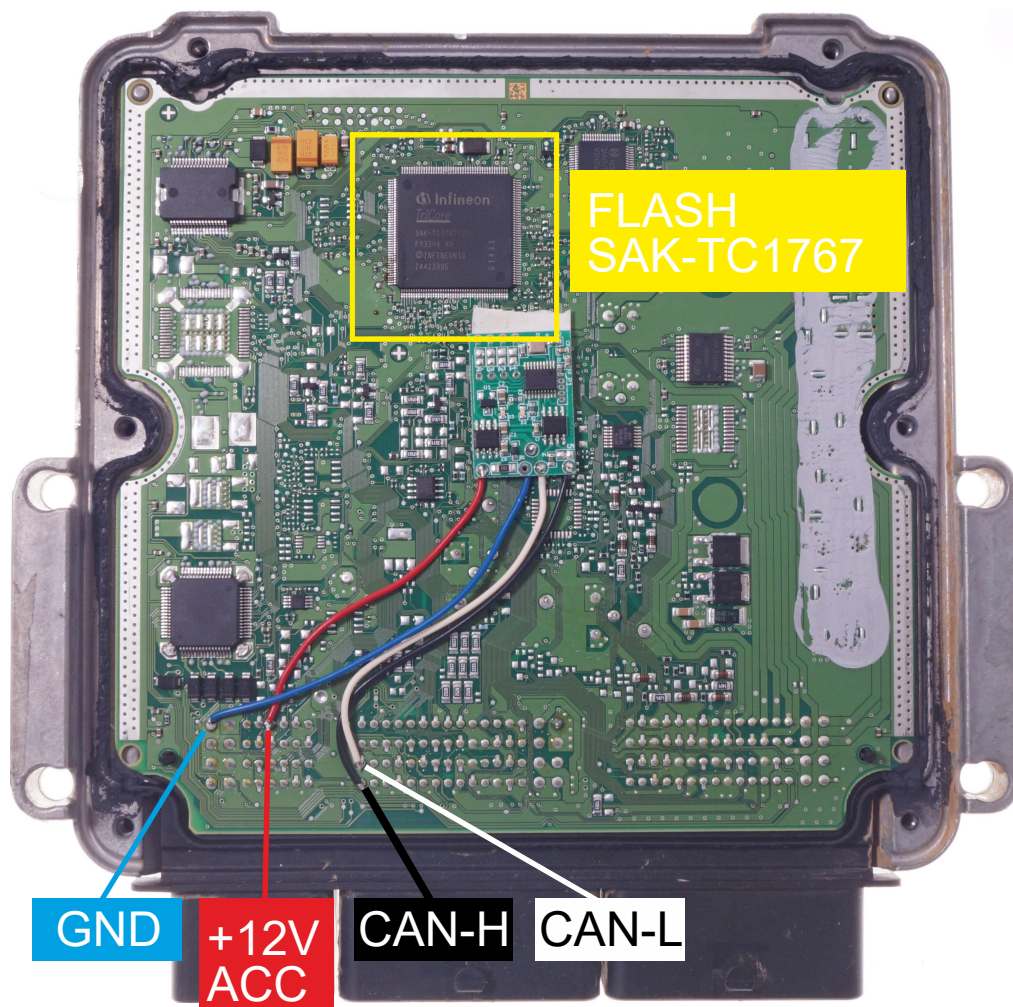


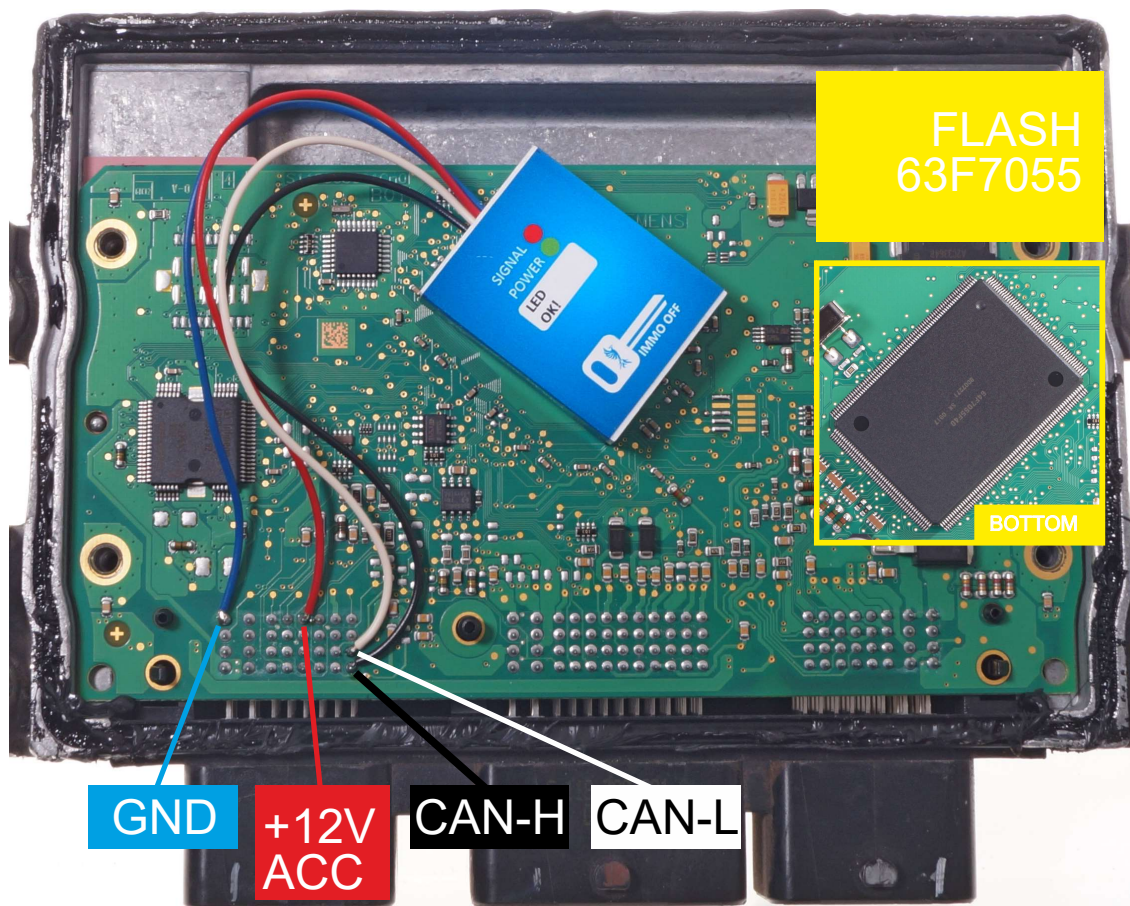
+12V	·D1	3	GND	·H1	3	CAN-H	·A4	3	CAN-L	·A3	3
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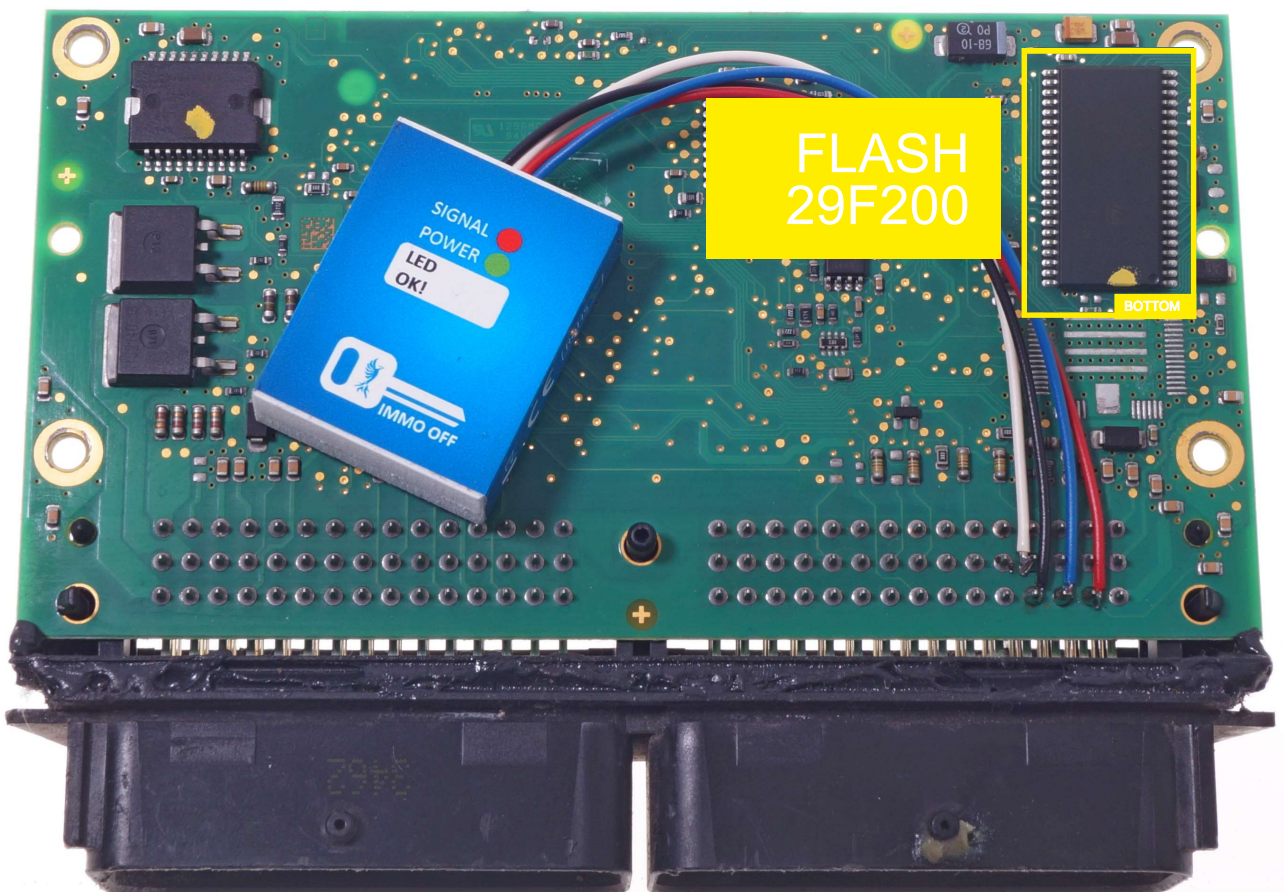


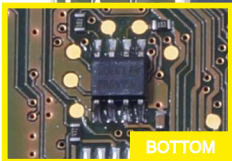
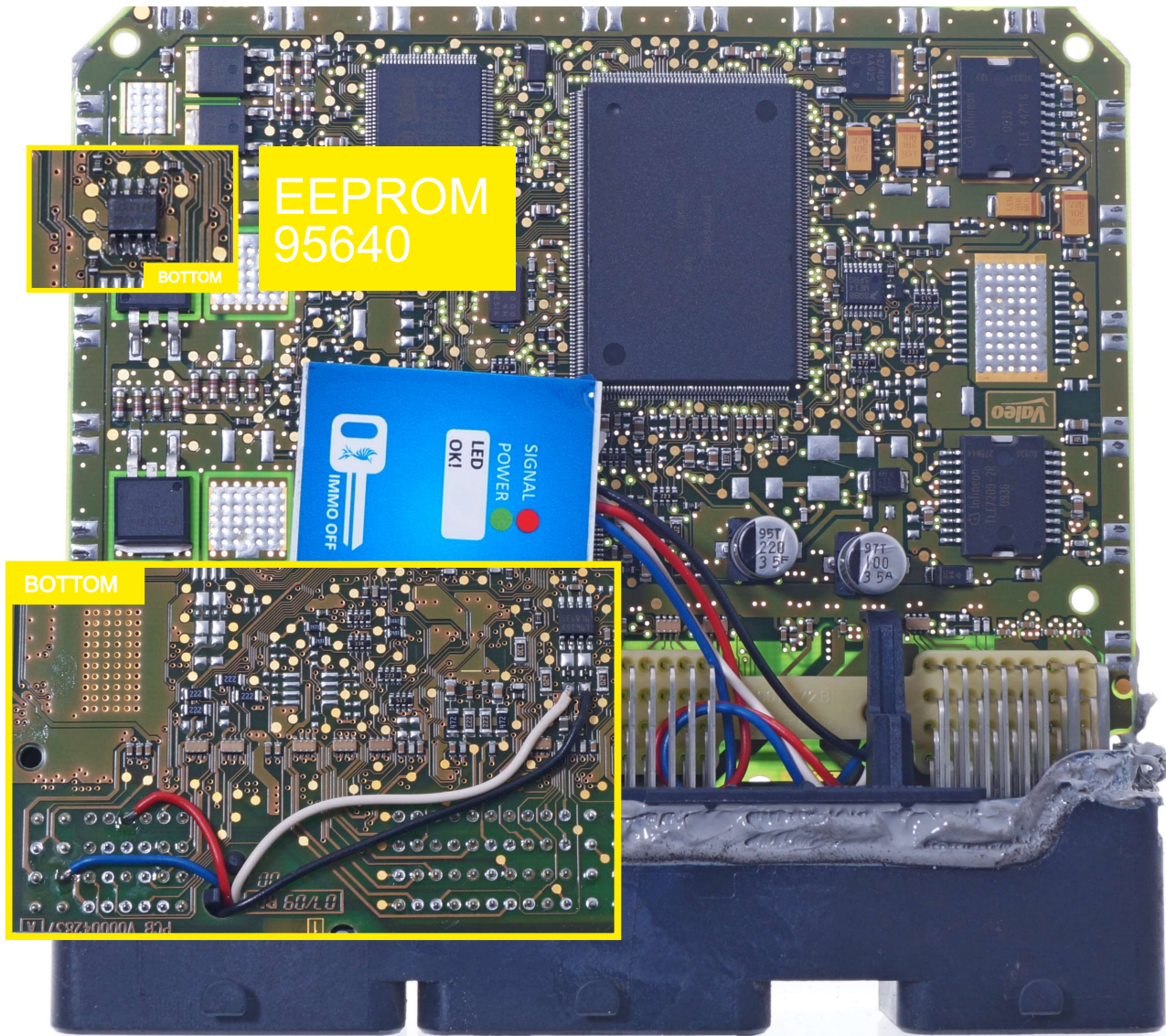


+12V	·D1	3	GND	·H1	3	CAN-H	·A4	3	CAN-L	·A3	3
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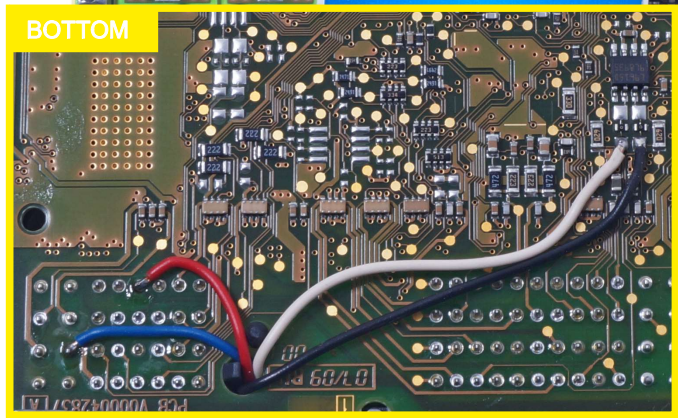




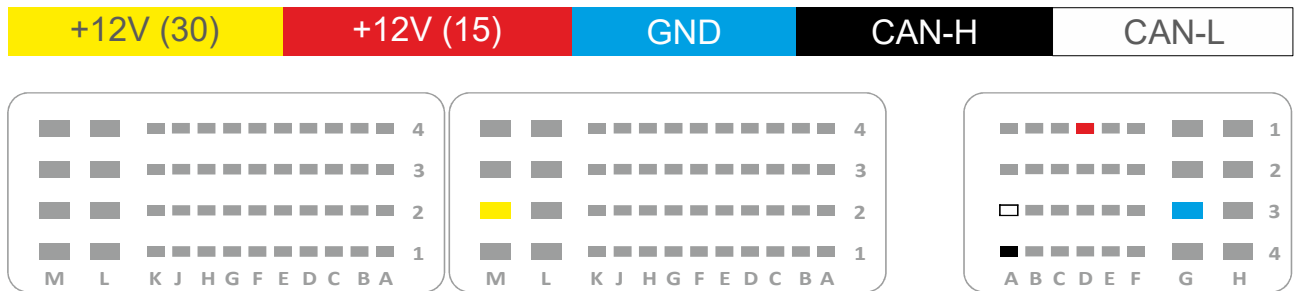
[illegible]



EEPROM
95640

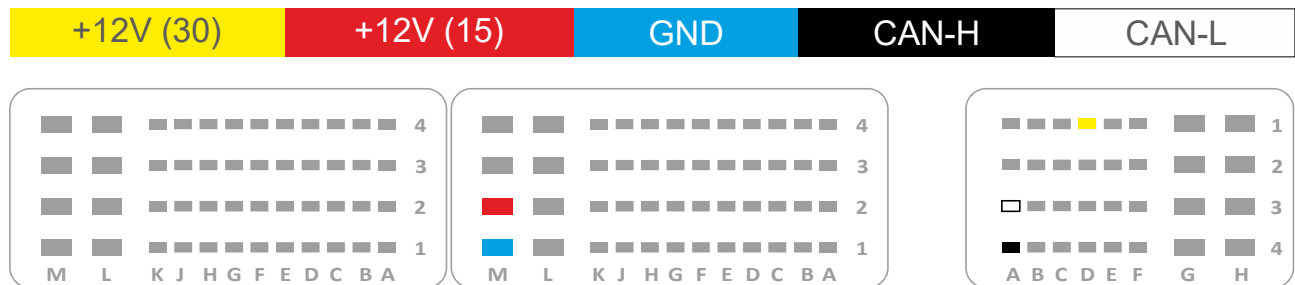
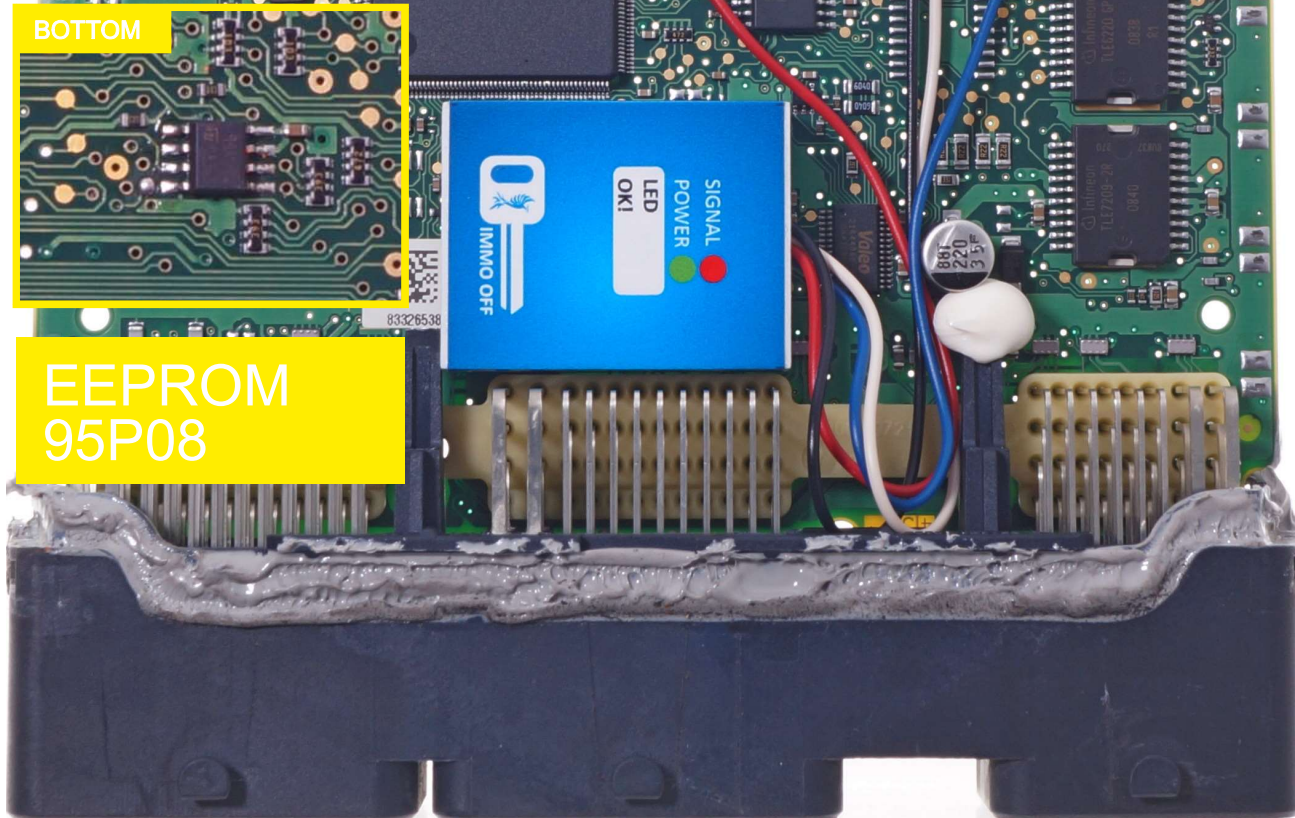


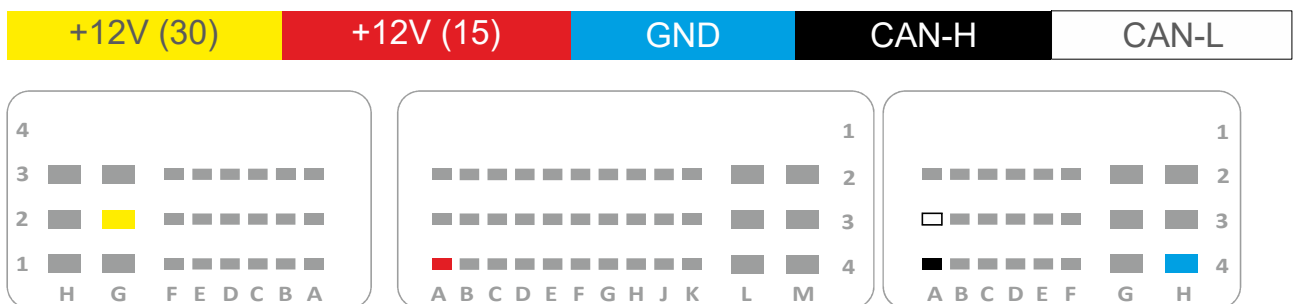
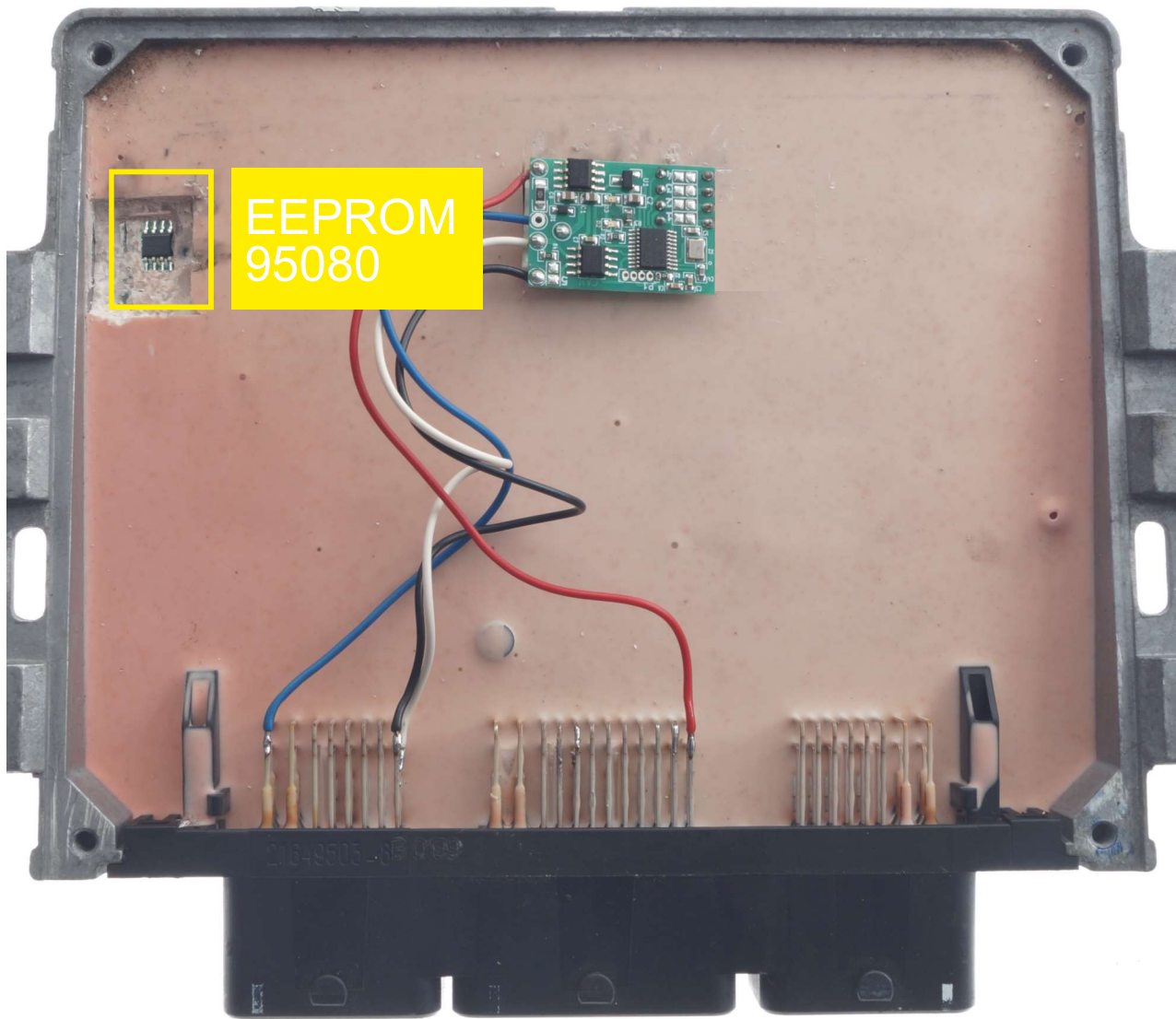
BOTTOM



The diagram illustrates the 40-pin connector pinout for the CAN-PS-1000 module. The pins are organized into four groups: +12V (30 pins), +12V (15 pins), GND, and CAN-H. The CAN-L pin is also indicated. The diagram shows the pin numbers 1 through 40 and the corresponding pin functions.

Pin	Function
1	Q
2	P
3	ON
4	M
5	L
6	K
7	J
8	H
9	G
10	F
11	E
12	D
13	C
14	B
15	A
16	Q
17	P
18	ON
19	M
20	L
21	K
22	J
23	H
24	G
25	F
26	E
27	D
28	C
29	B
30	A
31	Q
32	P
33	ON
34	M
35	L
36	K
37	J
38	H
39	G
40	F





+12V (30)+12V (15)

GND

CAN-HCAN-L

A

Figure A shows a 6x24 grid of squares. The columns are numbered 1 to 24 at the top. The rows are labeled with numbers on the left and right: 4, 5, 24, 6 for the first row; 43, 25 for the second row; 62, 44 for the third row; 81, 63 for the fourth row. The grid contains a sequence of colored squares: a white square at (1, 24), a black square at (2, 24), and a red square at (3, 24). All other squares are gray.

B

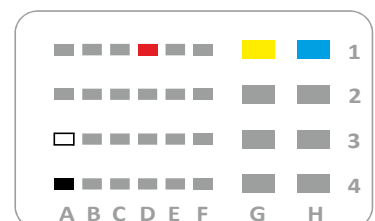
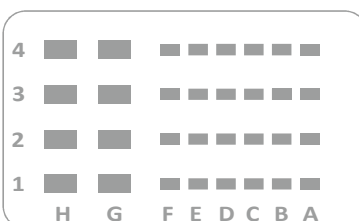
Number of Books	Number of Students
62	1
89	1
90	2
97	2
98	2
105	2
106	2
113	2
114	1
116	1
117	1
118	1
119	1
121	1

Diagram showing the pinout for the CAN-H and CAN-L lines. The top row shows the power supply: +12V (30) in yellow, +12V (15) in red, GND in blue, CAN-H in black, and CAN-L in white. Below are three pin headers. Header 1 (left) has pins 1-4 labeled Q, P, O, N, M, L, K, J, H, G, F, E, D, C, B, A. Header 2 (middle) has pins 1-4 labeled Q, P, O, N, M, L, K, J, H, G, F, E, D, C, B, A. Header 3 (right) has pins 1-4 labeled A, B, C, D, E, F, G, H. The CAN-H line is connected to pin 1 of Header 1, pin 1 of Header 2, and pin 1 of Header 3. The CAN-L line is connected to pin 2 of Header 1, pin 2 of Header 2, and pin 2 of Header 3.

CAN-L

		46		58
5	6			
		33	 	45
				
3	4	20		32
		07		
				
1	2			19
				

CAN-L



A

6162

41

12

63

42

22

3

81

60

40

21

B

11

19

29

40

4

12

22

33

3

21

32

1

20

30

1

Q P O N M L K J H G F E D C B A

4

3

2

1

2

Q P O N M L K J H G F E D C B A

4

3

2

1

3

A B C D E F G H

1

2

3

4

1

73

49

25

01

96

72

48

24

2

56

34

13

07

46

33

20

07

58

45

32

19

4

3

2

1

H G F E D C B A

A B C D E F G H I J K K L

A B C D E F G H