

# USER MANUAL



MODIFICATION  
OF CABLES

Rev 2.0

Data: 05/2016



**!!! ATTENTION !!!**  
**MODIFICATION OF CABLES REQUIRES:**  
**SCREWDRIVER, SOLDERING IRON, TIN**

## MODIFICATION OF C12, C13, C14, C18, C19 CABLES



C12

C12 CABLE



C13

C13 CABLE



C14

CABLE C14



C18

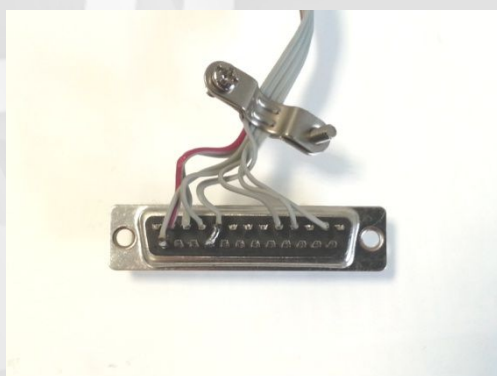
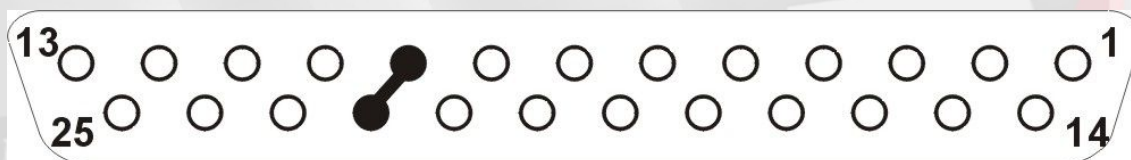
CABLE C18



C19

CABLE C19

C12, C13, C14, C18, C19 cables require additional bridge in DB25 connector between PINS 9 and 22



## C12, C13, C14, C18, C19 CABLES AFTER MODIFICATION

CHART - C12, C13, C14, C18, C19 CABLES AFTER MODIFICATION

Measuring clip	DB25 in cables C12, C13, C14
1	12
2	11
3	10
4	5
5	4
6	2
7	25
8	9
BRIDGE	9+22

DB25 CONNECTOR	C18	C19
12	Black	Brown
11	White	Black
10	Green	Green
5	Brown	White
4	Blue	-----
2	Yellow	Yellow
25	-----	Blue
9	Red	Red
BRIDGE	9+22	9+22



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## MODIFICATION OF C6 CABLE



C6

C6 CABLE

Coaxial and white cables should be unsoldered from H1 cable (DP3)

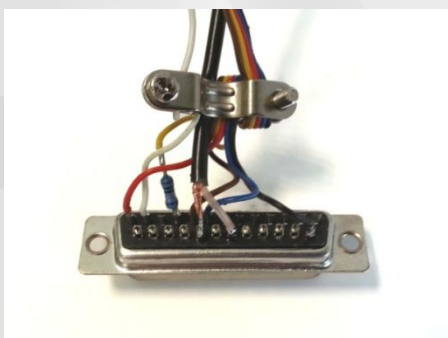
H1 CABLE WILL NOT BE USED IN DIAGPROG4

C6 Cable requires additional installation in DB25 connector:

PIN	CABLE	
12	WHITE	
19	WHITE	COAXIAL
21	BLACK (SHIELD)	



**!!! ATTENTION !!!**  
**COAXIAL CABLE LENGTH 32 cm**



C6 CABLE AFTER MODIFICATION

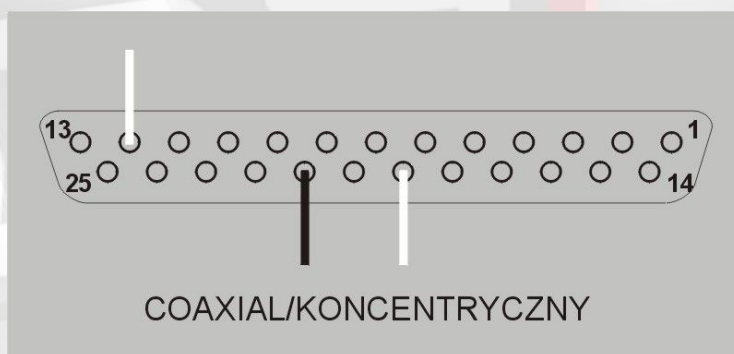


CHART - C6 CABLE AFTER MODIFICATION

DB 25 CONNECTOR	C6 Cable	
14	Black alligator	
13	Red alligator	
8	Blue	
9	Brown	
10	Yellow (via 10Ω resistor)	
12	White	
19	White	COAXIAL
21	Black (SHIELD)	

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## MODIFICATION OF C11 CABLE

H2 cable is replaced with C11 cable (H2 cable will not be used anymore)



H2

H2 CABLE



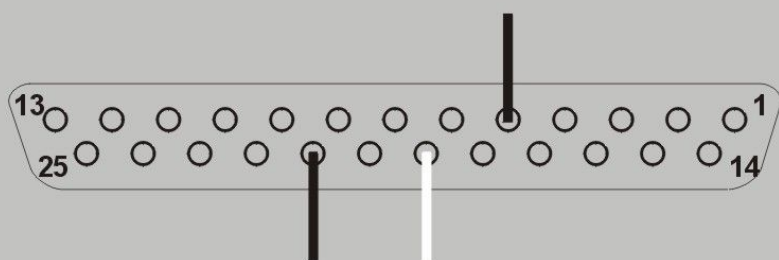
C11

C11 CABLE

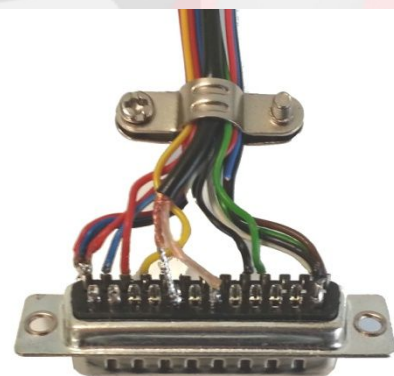
H2 cable requires change of PIN modification in DB25 connector:

DP3 OLD CABLE	CABLE	DP4 NEW CABLE
8	BLACK	5
24	COAXIAL WHITE	19
25	COAXIAL BLACK (SHIELD)	21

**C11 CABLE**  
(H2 CABLE AFTER  
MODIFICATION )



COAXIAL/KONCENTRYCZNY



### C11 CABLE CHART

DB 25 CONNECTOR	C11 CABLE				
21	Black (Shield)	COAXIAL			
19	White				
14	Black alligator				
13	Red alligator				
12	Blue				
11	Red				
10	Yellow				
9	White				
5	Black				
4	Green				
13	BLUE PLUG 32PIN		1	2	18
14	BLUE PLUG 32PIN		3	4	19



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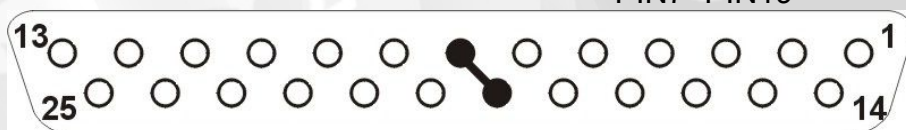


## MODIFICATION OF D30 CABLE

D30 cable requires one modification: PIN7+PIN19 bridge has to be replaced with PIN7+PIN20 bridge

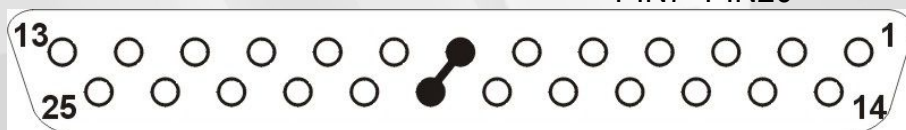
### OLD VERSION

BRIDGE  
PIN7+PIN19



### NEW VERSION

BRIDGE  
PIN7+PIN20



D30

D30 CABLE



D30 CABLE AFTER MODIFICATION

D30 CABLE AFTER MODIFICATION

DB 25 CONNECTOR	GREEN PLUG		
12	5		
15	9		
13	15	16	22
14	17		
6	20		
7	19		
7+20	BRIDGE		



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## C8, C9 CABLE MODIFICATION



C8

C8 CABLE



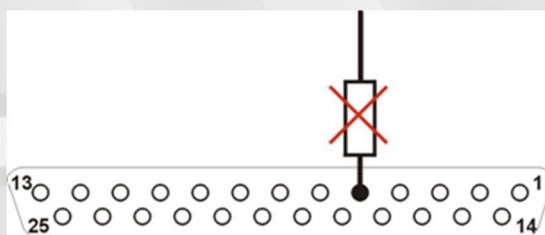
C9

C9 CABLE

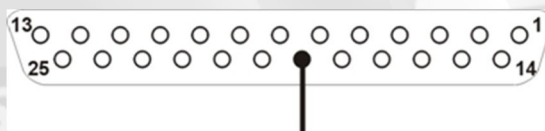
C8 i C9 cables require modification of **WHITE** cable - soldered to PIN 5 in DB25 connector.

Cable and capacitor should be unsoldered from PIN 5, then remove capacitor and solder cable (without capacitor) to PIN 19.

1 →



2 →



## C8, C9 CABLES AFTER MODIFICATION

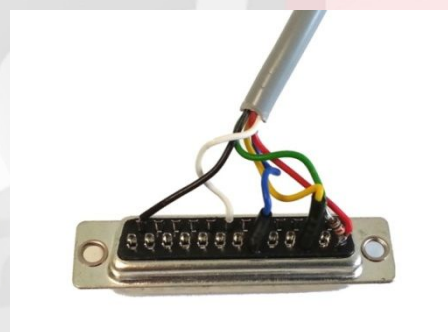
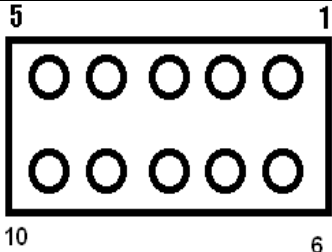
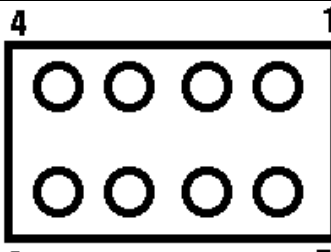


CHART - C8, C9 CABLES AFTER MODIFICATION

DB 25 CONNECTOR	C8 CABLE	C9 CABLE
13	Green (via 1KΩ resistor)	Green (via 1KΩ resistor)
11	Yellow (via 10Ω resistor)	Yellow (via 10Ω resistor)
8	Blue (via 10Ω resistor)	Blue (via 10Ω resistor)
19	White	White
PLUGS REAR VIEW →	Black plug	Black plug
		
	5 (Red + )	3 (Red + )
	1 (Black GND)	2 (Black GND)
13	5 (Red + )	3 (Red + )
14	1 (Black GND)	2 (Black GND)

# USER MANUAL

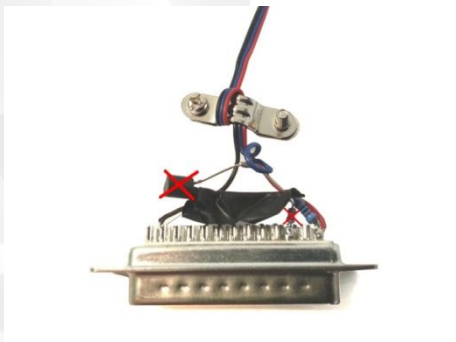


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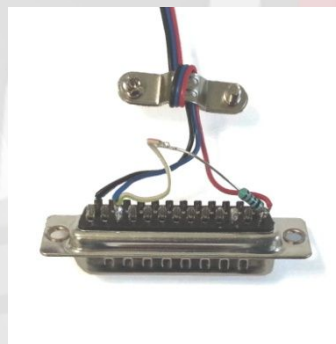
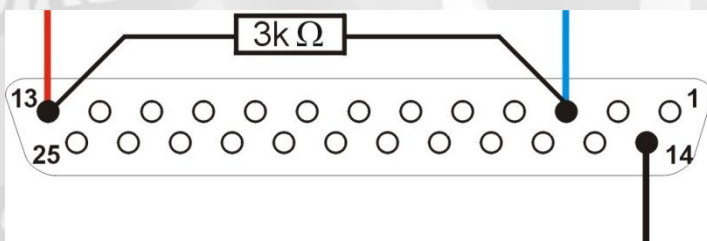
## C20 CABLE MODIFICATION



C20

C20 CABLE

C20 cable requires modification of **BLUE** cable. Cable, transistor and 1k $\Omega$  resistor should be unsoldered and then BLUE cable (without transistor and resistor) has to be soldered to PIN 3. Additionally, bridge with mounted 3k $\Omega$  resistor should be made between PINS 3 + 13.



C20 CABLE AFTER MODIFICATION

CHART - C20 CABLE AFTER MODIFICATION

DB 25 CONNECTOR	C20 CABLE
13	Red
14	Black
3	Blue
3 + 13 (via 3K $\Omega$ resistor)	BRIDGE



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## C22 CABLE MODIFICATION

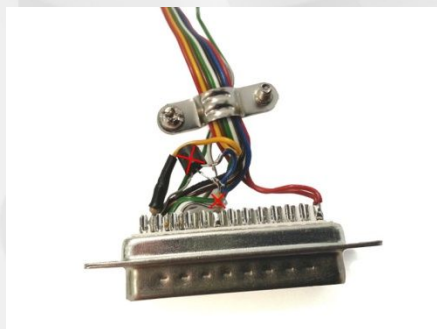


C22

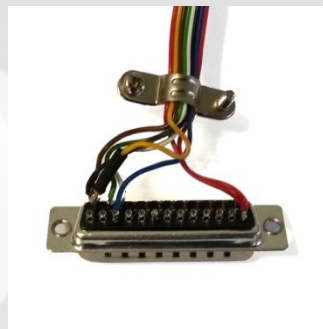
### C22 CABLE

C22 cable requires modification of **BLUE** cable.

Cable, transistor and 4,7k $\Omega$  resistor should be unsoldered and then BLUE cable (without transistor and resistor) has to be soldered to PIN 3.



### C22 CABLE MODIFICATION



### C22 CABLE AFTER MODIFICATION

CHART – C22 CABLES AFTER MODIFICATION

DB 25 CONNECTOR	C22 CABLE
3	Blue
13	Red
13	Red
14	Yellow (via 330 $\Omega$ resistor)
14	Brown
14	Black
15	Green
16	White

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