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 CABLE

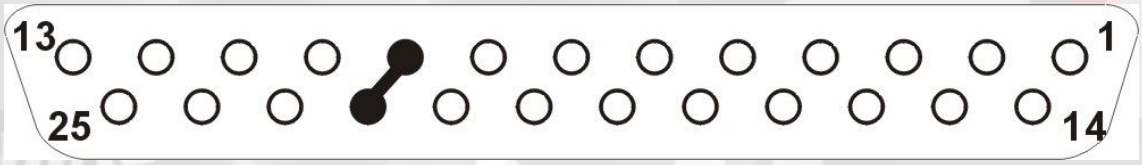
C13 CABLE

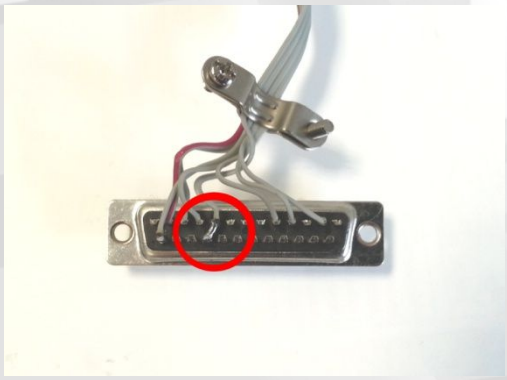
CABLE C14

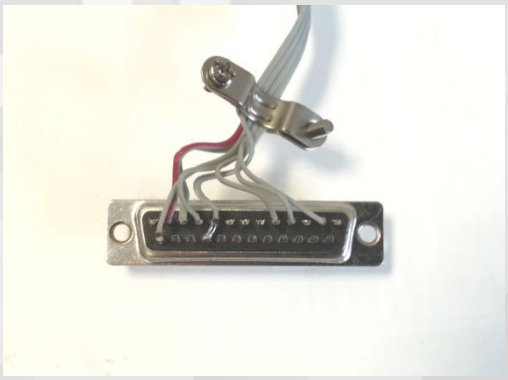
CABLE C18

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

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

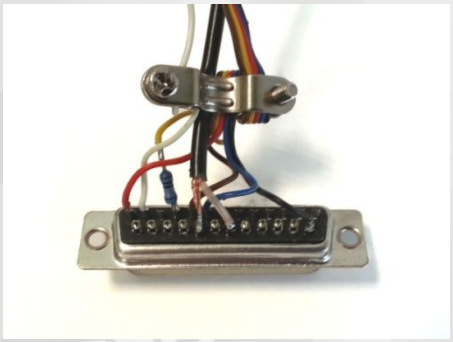
H1 CABLE WILL NOT BE USED IN DIAGPROG4

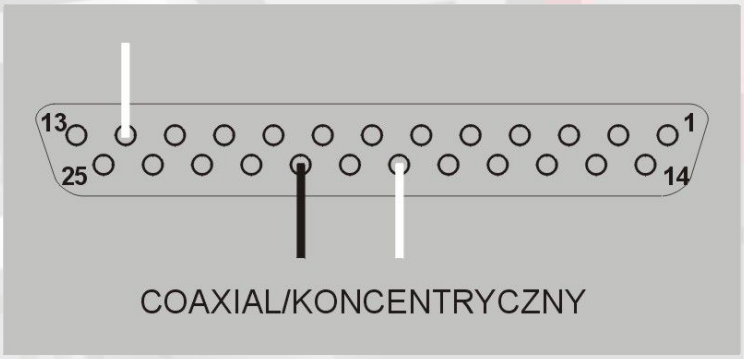
C6 CABLE

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)	

USER MANUAL

MODIFICATION OF CABLES | Rev 2.0 | Data: 05/2016

MODIFICATION OF C11 CABLE

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

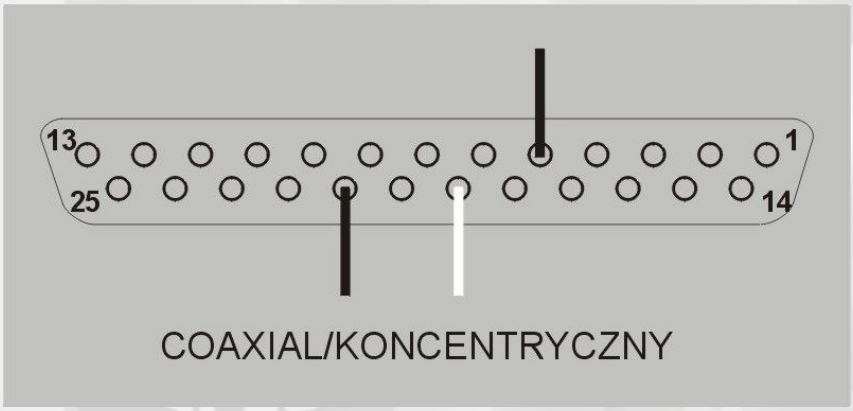
H2 CABLE

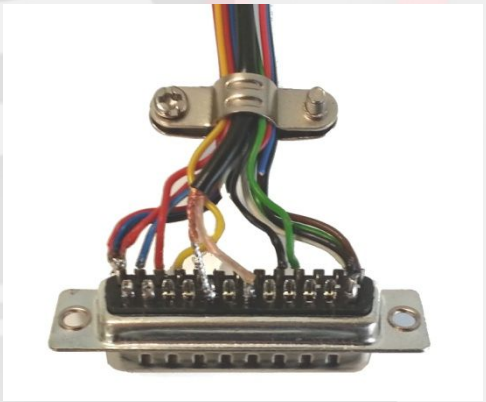
C11 CABLE

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)





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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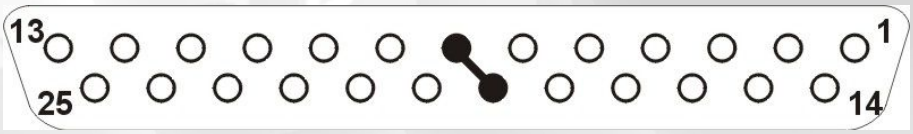
MODIFICATION OF D30 CABLE

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

D30 CABLE

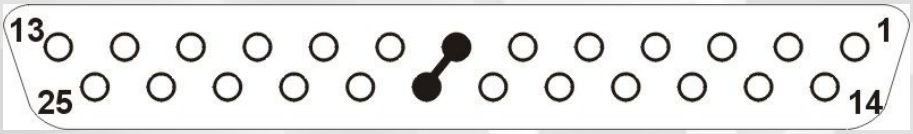
OLD VERSION

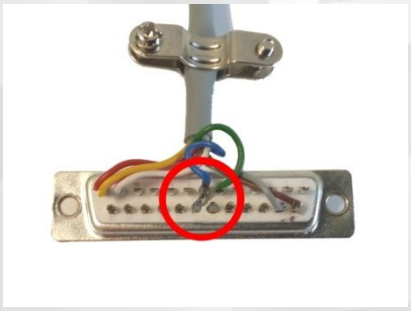
BRIDGE
PIN7+PIN19

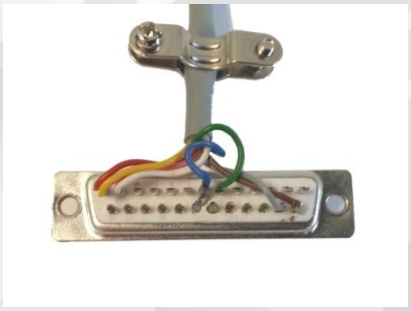


NEW VERSION

BRIDGE
PIN7+PIN20







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		

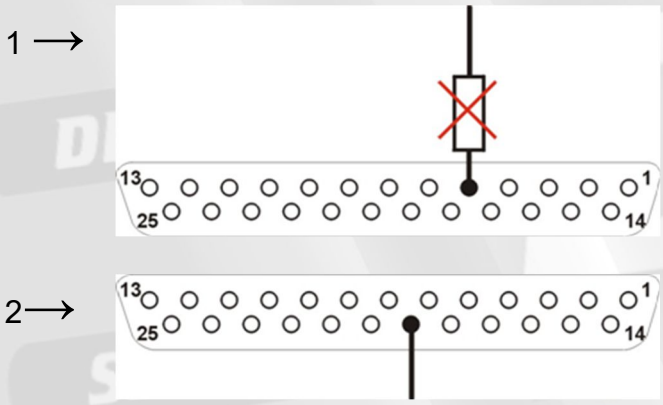
C8, C9 CABLE MODIFICATION

C8 CABLE

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.



C8, C9 CABLES AFTER MODIFICATION

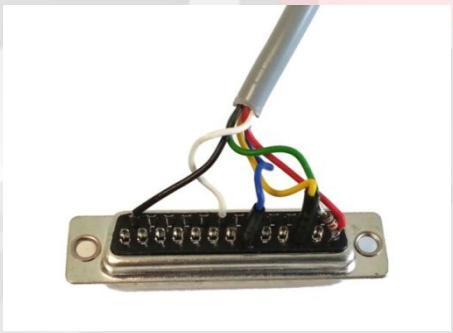
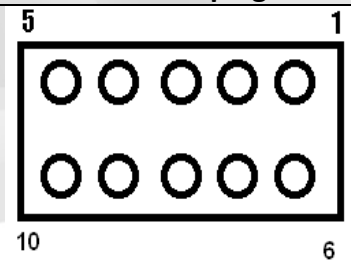
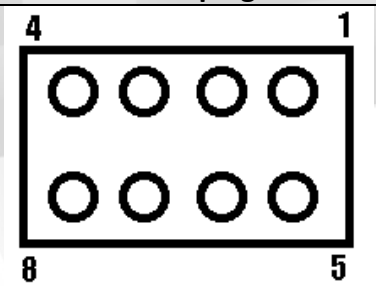
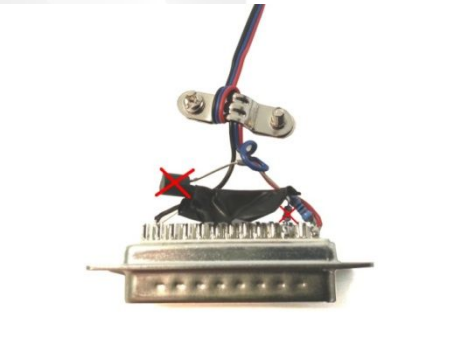


CHART - C8, C9 CABLES AFTER MODIFICATION

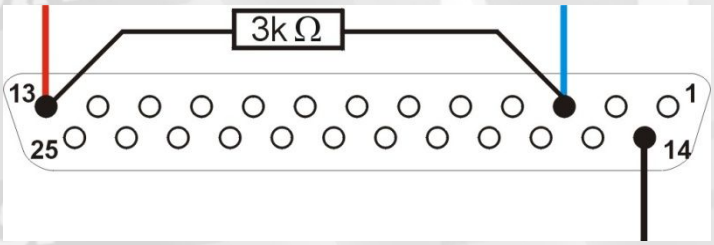
DB 25 CONNECTOR	C8 CABLE	C9 CABLE
13	**Green** (via 1KΩ resistor)	**Green** (via 1KΩ resistor)
11	**Yellow** (via 10Ω resistor)	**Yellow** (via 10Ω resistor)
8	**Blue** (via 10Ω resistor)	**Blue** (via 10Ω resistor)
19	**White**	**White**
PLUGS REAR VIEW →	**Black plug** 	**Black plug** 
13	**5** (Red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

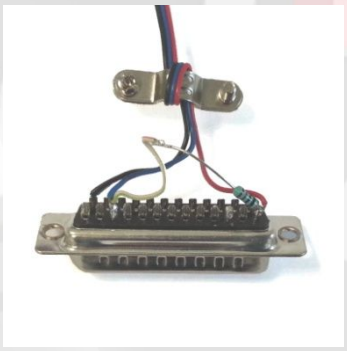
C20 CABLE MODIFICATION



C20 CABLE

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





C20 CABLE AFTER MODIFICATION

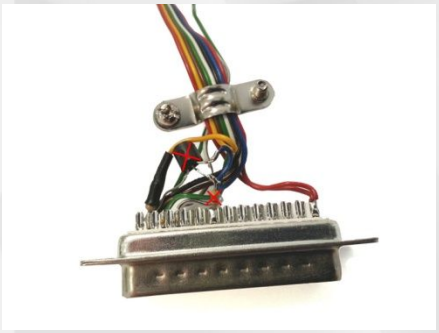
CHART - C20 CABLE AFTER MODIFICATION

DB 25 CONNECTOR	C20 CABLE
13	Red
14	Black
3	Blue
3 + 13 (via 3KΩ resistor)	**BRIDGE**

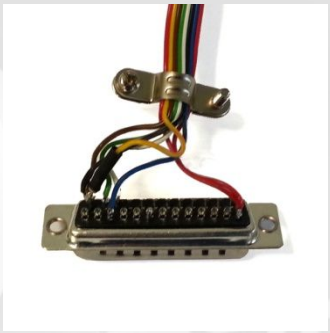
C22 CABLE MODIFICATION

C22 CABLE

C22 cable requires modification of **BLUE** cable.
Cable, transistor and 4,7kΩ 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 330Ω resistor)
14	Brown
14	Black
15	Green
16	White