Julie - Universal Car Emulator Programs:

Seat occupancy sensor programs

BMW....4
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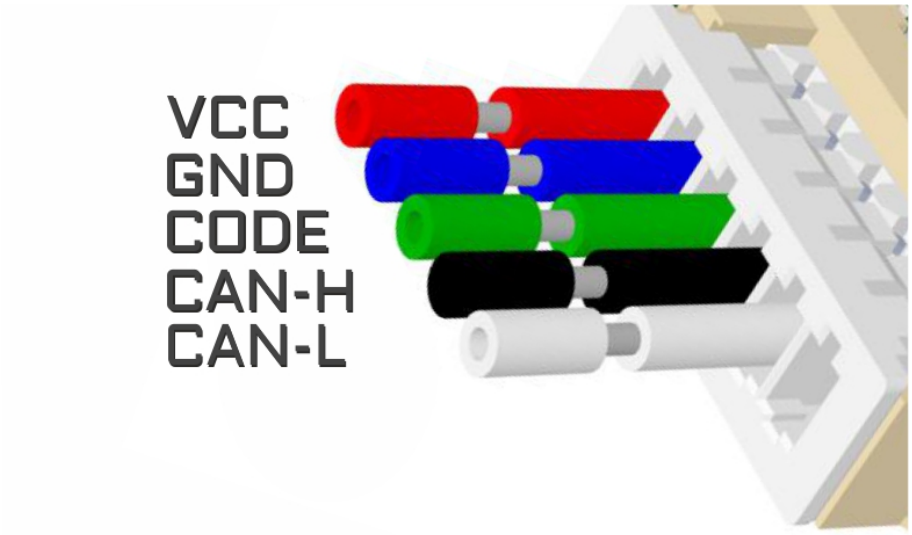
Wiring colour codes



The LED behavior

- no jumpers – diagnostic mode - it flashes every second

- adjusting to the ECU – flashing 0,1 sec

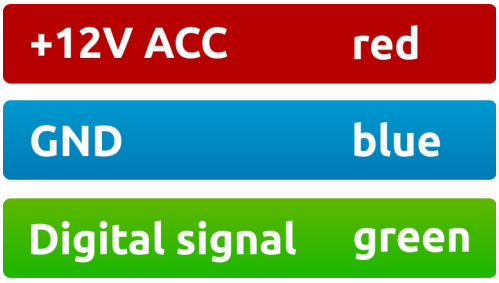
- after adjusting it lights constantly and blinks every other second

ATTENTION!!!

This emulator can only be used for testing purposes or to verify accurate functioning of the AirBag system.
This emulator cannot remain in your car as a replacement for new seat occupancy mat

The emulator needs to be connected to the plug under the passenger seat instead of original seat occupancy sensor.

There are 3 cables



Before connecting the emulator, use multimeter to check signals on pins in the plug!

BMW

No.	Model	Year	Solder jumpers	
1	**BMW** Series 1 – E81 **BMW** Series 3 – E90, E92, E93 **BMW** Series 5 – E60, E63, E64 **BMW** Series 7 – E65 **BMW** Series X – E70, E71	2007-2010	**J1+J7**	OPEN
2	**BMW** Series 1 – E87 **BMW** Series 3 – E90 **BMW** Series 5 – E60, E63 **BMW** Series 7 - E65	2003-2007	**J4+J7**	OPEN
	BMW Series 3 – E36, E46 **BMW** Series 5 – E39 **BMW** Series 7 – E38 **BMW** Series 8 – E31 **BMW** Series X – E53	1997-2003		
3	**BMW** Series 1 – E87 **BMW** Series 3 – E90 **BMW** Series 5 – E60, E63 **BMW** Series 7 - E65	2003-2007	Child seat installed **J1+J4+J7**	OPEN
	BMW Series 3 – E36, E46 **BMW** Series 5 – E39 **BMW** Series 7 – E38 **BMW** Series 8 – E31 **BMW** Series X – E53	1997-2003		

No.1 BMW

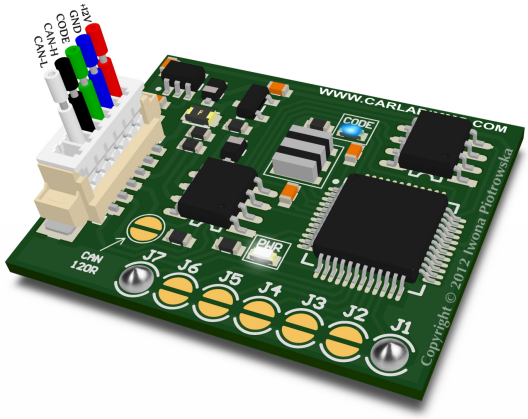
USE

European models

(2007 – 2010)

BMW Series 1 – E81
BMW Series 3 – E90, E92, E93
BMW Series 5 – E60, E63, E64
BMW Series 7 – E65
BMW Series X – E70, E71

In Universal Julie Emulator solder jumpers
J1 + J7



Attention!

If still after installation of the emulator your car signalizes unfastened passanger seatbelt fault, put a resitor in place of the seatbelt sensor.

For E90, use 680-Ohm resistor
For E60, use 510-Ohm resistor

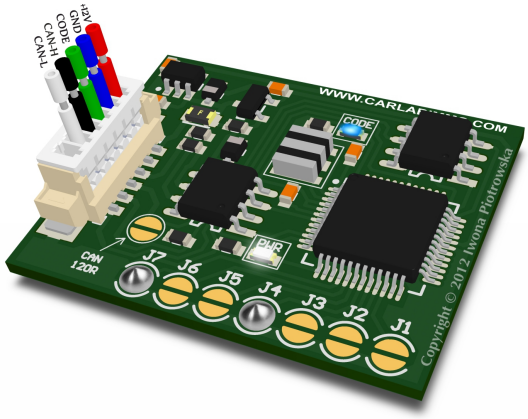
No.2 BMW

USE

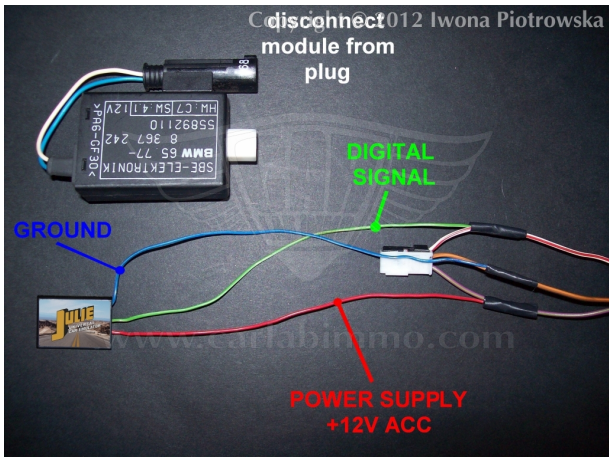
(2003 – 2007)
BMW Series 1 – E87
BMW Series 3 – E90
BMW Series 5 – E60, E63
BMW *Series 7 - E65*

(1997 – 2003)
BMW Series 3 – E36, E46
BMW Series 5 – E39
BMW Series 7 – E38
BMW Series 8 – E31
BMW *Series X – E53*

In Universal Julie Emulator solder jumpers
J4 + J7



Insert a 680-ohm resistor into the seat belt socket



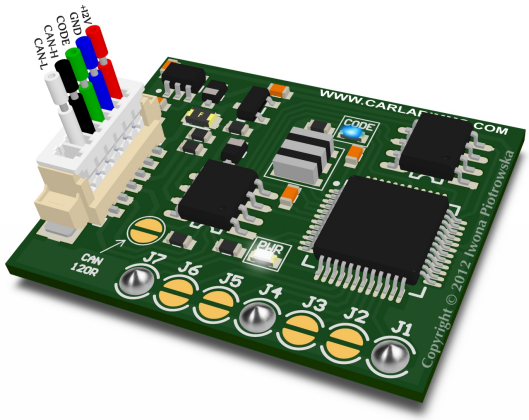
No.3 BMW

USE

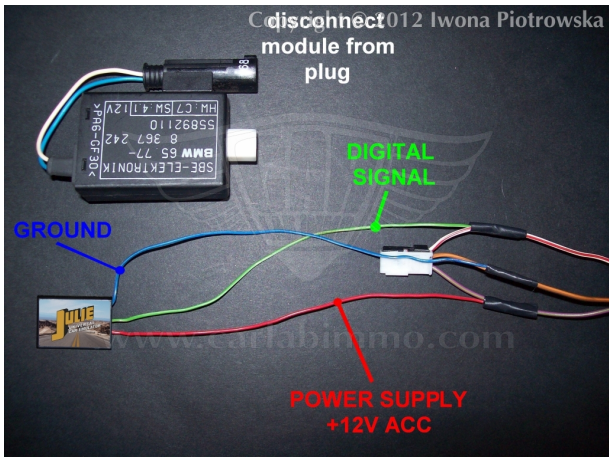
(2003 – 2007)
BMW Series 1 – E87
BMW Series 3 – E90
BMW Series 5 – E60, E63
BMW *Series 7 - E65*

(1997 – 2003)
BMW Series 3 – E36, E46
BMW Series 5 – E39
BMW Series 7 – E38
BMW Series 8 – E31
BMW *Series X – E53*

In Universal Julie Emulator solder jumpers
J1+J4+J7



Insert a 680-ohm resistor into the seat belt socket



FIAT

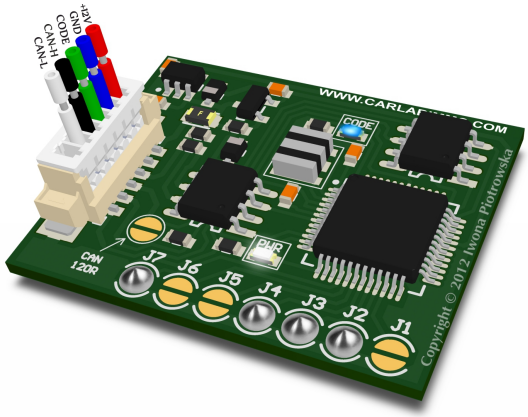
No.	Model	Solder jumpers	
1	**Fiat** Stilo	**J2+ J3+J4+J7**	OPEN
2	**Fiat** Stilo	Child seat installed: **J1+J2+J3+J4+J7**	OPEN

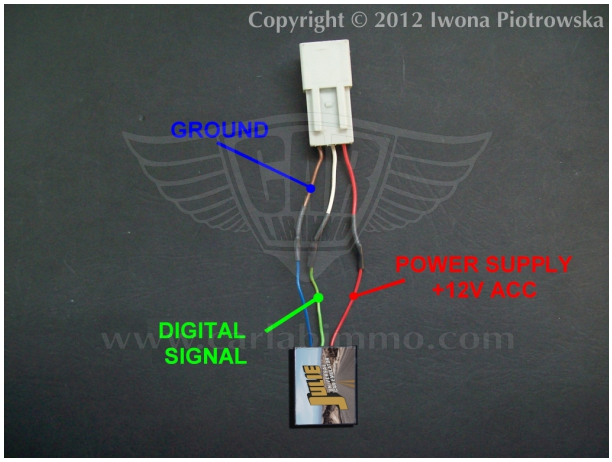
No.1 FIAT STILO

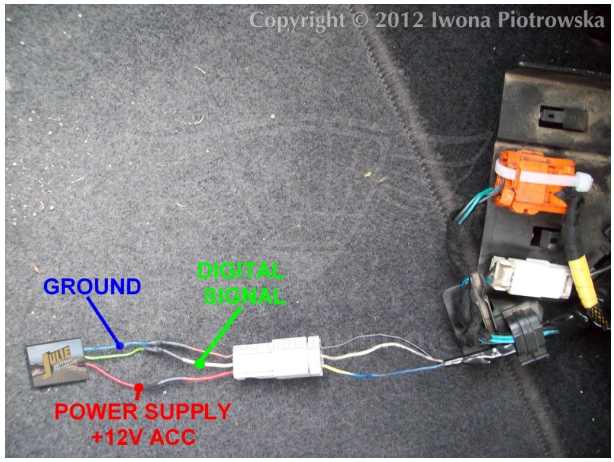
USE

Fiat Stilo

In Universal Julie Emulator solder jumpers
J2+J3+J4+J7







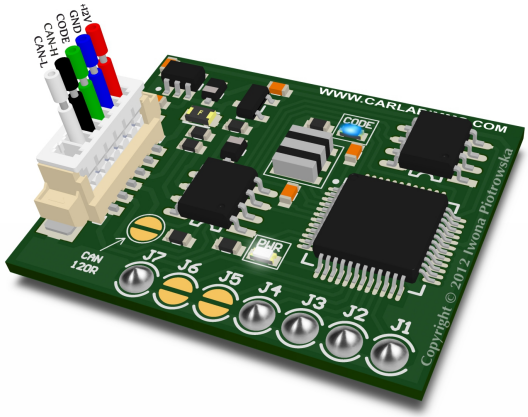
No.2 FIAT STILO

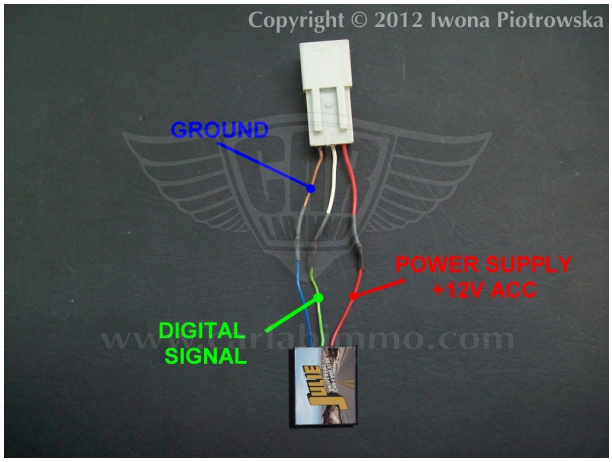
USE

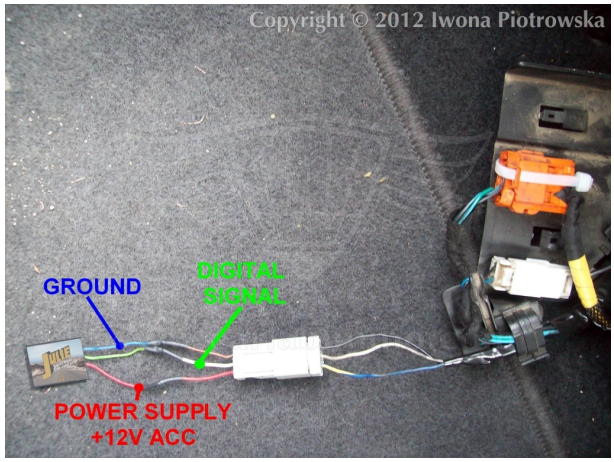
Fiat Stilo

In Universal Julie Emulator solder jumpers

J1+J2+J3+J4+J7







Back to the Contents

FORD

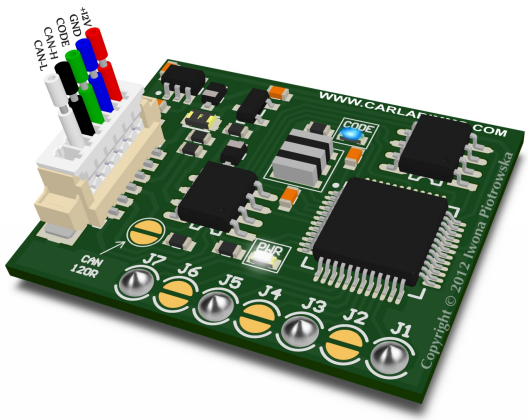
No.	Model	Year	Solder jumpers	
1	**Ford** Mondeo	2001-2003	**J1+J3+J5+J7**	OPEN

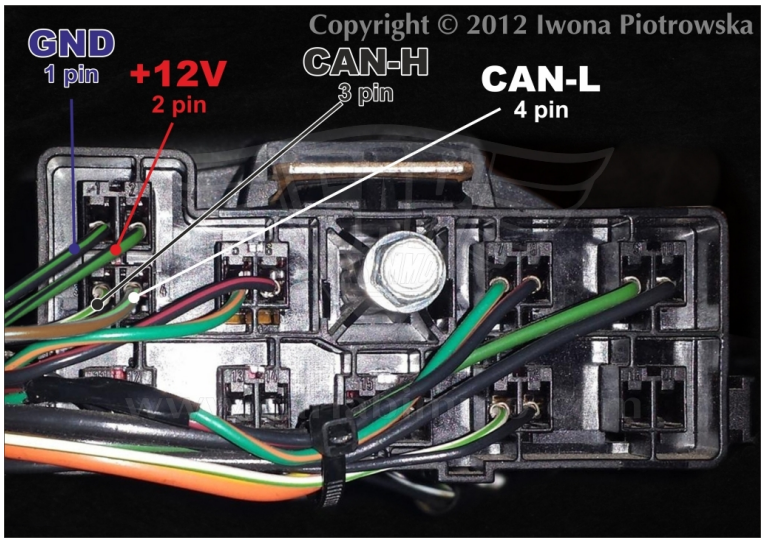
No.1 FORD

USE

(2001-2003)
Ford Mondeo

In Universal Julie Emulator
solder jumpers
J1+J3+J5+J7





Connection diagram example

MAZDA

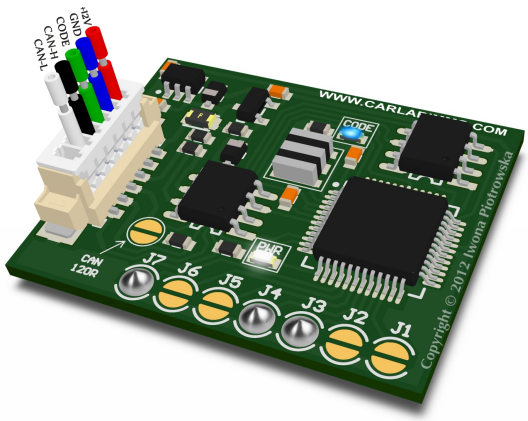
No.	Model	Solder jumpers	
1	**Mazda** Premacy, MX-5, 626, 323, 6 GG/GY	**J3+J4+J7**	OPEN
2	**Mazda** Premacy, MX-5, 626, 323, 6 GG/GY	Child seat installed: **J1+J3+J4+J7**	OPEN

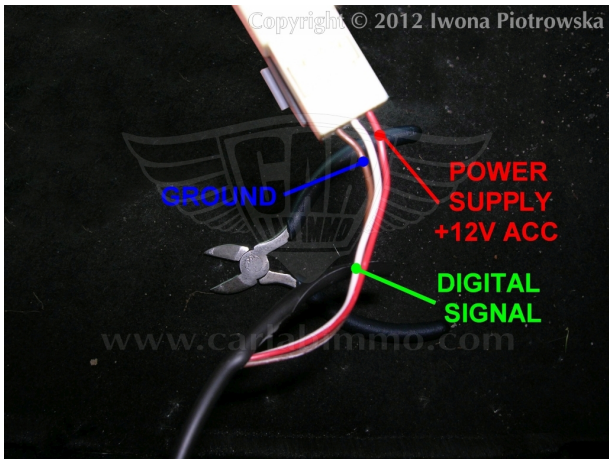
No.1 MAZDA

USE

Mazda Premacy
Mazda MX-5
Mazda 626
Mazda 323
Mazda 6 I

In Universal Julie Emulator solder jumpers
J3+J4+J7



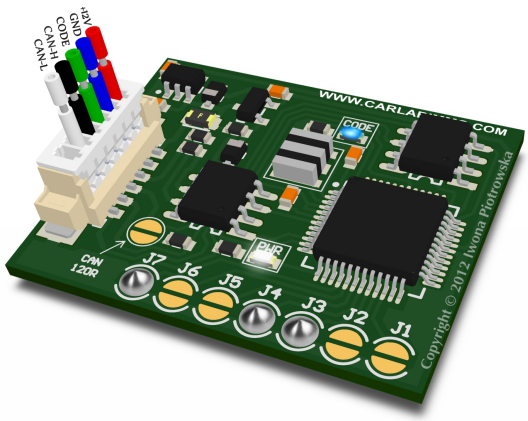


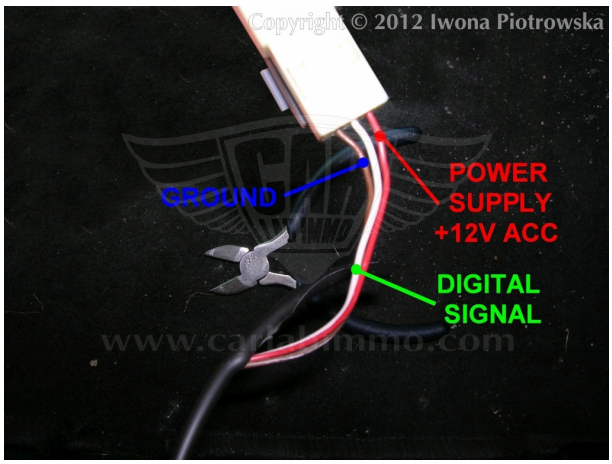
No.2 MAZDA

USE

Mazda Premacy
Mazda MX-5
Mazda 626
Mazda 323
Mazda 6 I

In Universal Julie Emulator solder jumpers
J1+J3+J4+J7





MERCEDES

No.	Model	Year	Solder jumpers	
1	Mercedes E-class **W211** (Temic Armada controller)	2004-2007	**J1+J5+J7**	OPEN
	Mercedes E-class **W211** (Bosch controller)	2002-2007		
	Mercedes C-class **W203**	2006-2007		
	Mercedes CLS-class **W219**	2005-2010		
	Mercedes CLK-class **W209**	2006-2009		
	Mercedes S-class **W220**	2002-2005		
	Mercedes S-class **W221**	2006		
2	Mercedes E-class **W211** (Temic controller)	2004-2007	**J5+J7**	OPEN
	Mercedes SL-class **W230**	2004		
	Mercedes SLK-class **W171**	2004-2011		
3	Mercedes E-class **W211** (Temic Armada controller)	2002-2003	**J1+J4+J6+J7**	OPEN
4	Mercedes E-class **W211** with: *Temic controller no. 002 820 35 26* *Bosch controller no. 002 820 29 26; 0 285 001 441*	2002-2003	**J2+J5+J7**	OPEN
5	Mercedes E-class **W211** (Temic controller)	2002-2004	**J2+J7**	OPEN
	Mercedes S-class **W220**	2003-2005		
6	Mercedes E-class **W210** (with airbag OFF indicator after lifting)	1999-2003	**J2+J3+J7**	OPEN
	Mercedes Vito II **W639**	2002-2005		
	Mercedes ML-class **W163**	2000-		
	Mercedes A-class **W168**	2002-2005		
	Mercedes S-class **W220**	2002-2003		
	Mercedes C-class **W203**	-2005		
	Mercedes CLK-class **W209**	2002-		
	Mercedes Vaneo **W414**			

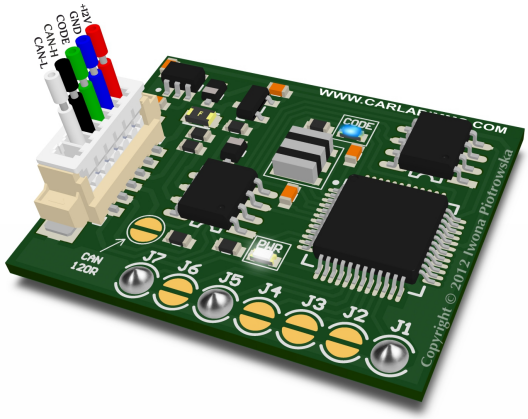
7	Mercedes A-class **W168**	1997-2001	**J3+J7**	OPEN
	Mercedes C-class **W202**	1999-2001		
	Mercedes Vito **W638**	-2003		
	Mercedes ML-class **W163** (TRW controller)	1999		
	Mercedes E-class **W210** (before lifting – with airbag OFF indicator)	-1999		
8	Mercedes E-Class **W212**	2009-2016	**J2+J3+J4+J6+J7**	OPEN
	Mercedes E-Class **S212/C207/A207**	2013-2016		
9	Mercedes E-class **W211** (Temic controller)	2002-2004	Child seat installed: **J1+J2+J7**	OPEN
	Mercedes S-class **W220**	2003-2005		
10	Mercedes E-class **W210** (with airbag OFF indicator after lifting)	1999-2003	Child seat installed: **J1+J2+J3+J7**	OPEN
	Mercedes Vito II **W639**	2002-2005		
	Mercedes ML-class **W163**	2000-		
	Mercedes A-class **W168**	2002-2005		
	Mercedes S-class **W220**	2002-2003		
	Mercedes C-class **W203**	-2005		
	Mercedes CLK-class **W209**	2002-		
	Mercedes Vaneo **W414**			
11	Mercedes A-class **W168**	1997-2001	Child seat installed: **J1+J3+J7**	OPEN
	Mercedes C-class **W202**	1999-2001		
	Mercedes Vito **W638**	-2003		
	Mercedes ML-class **W163** (TRW controller)	1999		
	Mercedes E-class **W210** (before lifting – with airbag OFF indicator)	-1999		

No.1 Mercedes

USE

Mercedes E-Class W211 with Temic Armada controller *(2004-2007)*
Mercedes E-Class W211 with Bosch controller *(2002-2007)*
Mercedes C-Class W203 *(2006-2007)*
Mercedes CLS-Class W219 *(2005-2010)*
Mercedes CLK-Class W209 *(2006-2009)*
Mercedes S-Class W220 *(2002-2005)*
Mercedes S-Class W221 *(2006)*

In Universal Julie Emulator solder jumpers
J1+J5+J7



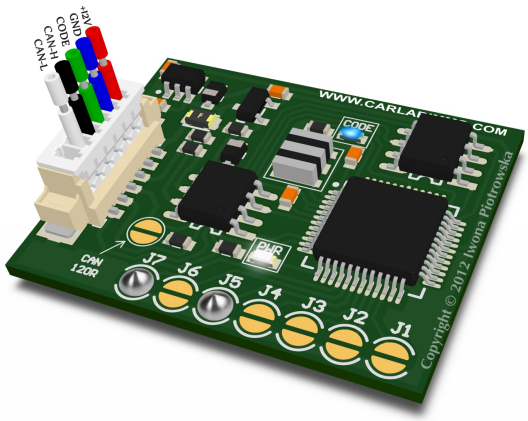
Insert a 100-ohm resistor into the seat belt socket

No.2 Mercedes

USE

Mercedes E-Class W211 with Temic controller *(2004-2007)*
Mercedes SL-Class W230 *(2004)*
Mercedes SLK-Class W171 *(2004-2011)*

In Universal Julie Emulator solder jumpers
J5+J7



Insert a 100-ohm resistor into the seat belt socket

No.3 Mercedes

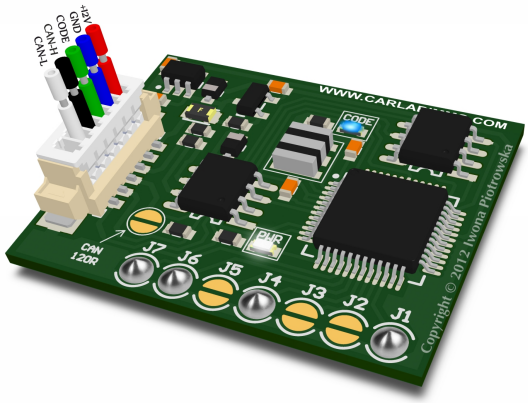
(available from JULIE version 91)

USE

Mercedes E-Class W211 with Temic Armada controller *(2002-2003)*

In Universal Julie Emulator solder jumpers

J1+J4+J6+J7



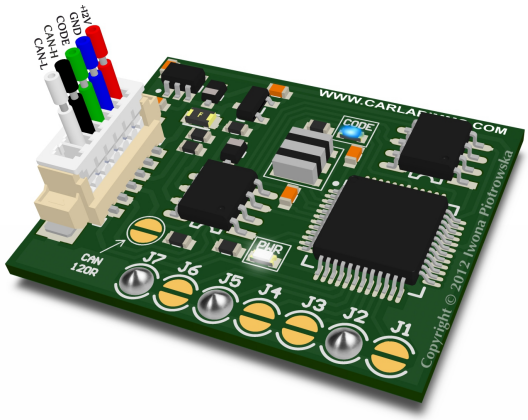
Insert a 100-ohm resistor into the seat belt socket

No.4 Mercedes

USE

Mercedes E-Class W211 *(2002-2003)*
with the following airbag control units:
–
Temic 002 820 35 26
Bosch 002 820 29 26; 0 285 001 441

In Universal Julie Emulator solder jumpers
J2+J5+J7



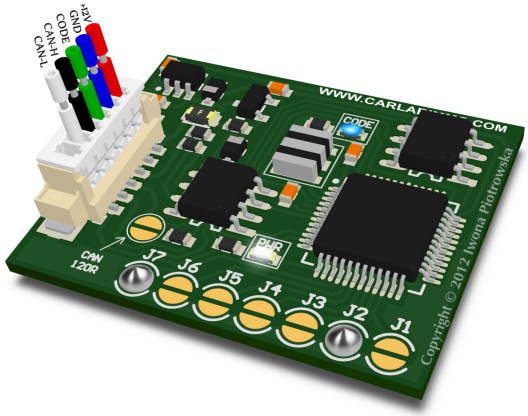
Insert a 100-ohm resistor into the seat belt socket

No.5 Mercedes

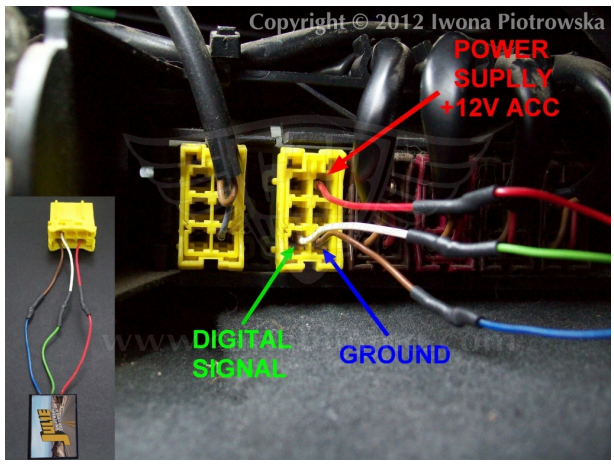
USE

Mercedes E-Class W211 with Temic controller *(2002-2004)*
Mercedes S-Class W220 *(2003-2005)*

In Universal Julie Emulator solder jumpers
J2+J7



Insert a 100-ohm resistor into the seat belt socket

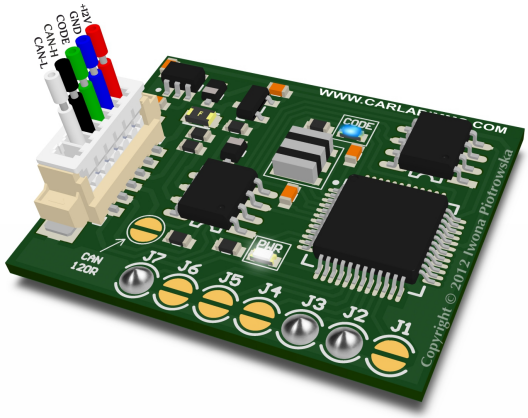


No.6 Mercedes

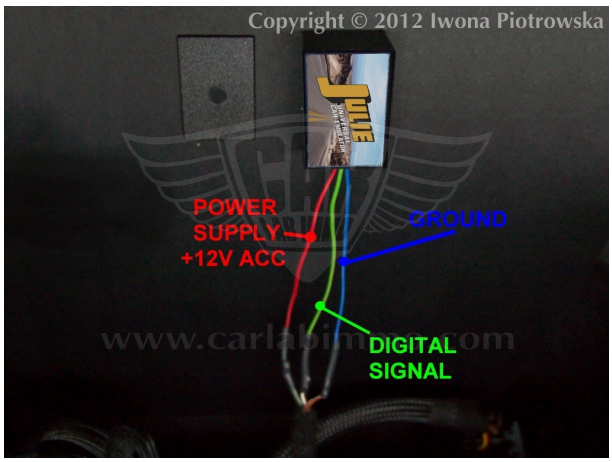
USE

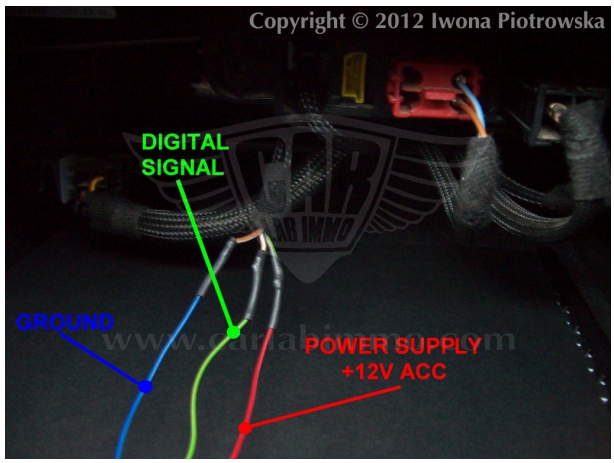
Mercedes E-Class W210 after lifting-
-with airbag OFF indicator*(1999-2003)*
Mercedes Vito II W639 *(2002-2005)*
Mercedes ML-Class W163 *(2000-)*
Mercedes A-Class W168 *(2002-2005)*
Mercedes S-Class W220 *(2000-2003)*
Mercedes S-Class W203 *(-2005)*
Mercedes CLK-Class W209 *(2002-)*
Mercedes Vaneo W414

In Universal Julie Emulator
solder jumpers
J2+J3+J7



Insert a 100-ohm resistor into the seat belt socket



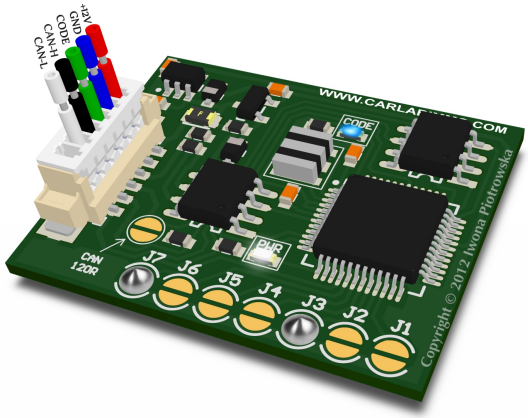


No.7 Mercedes

USE

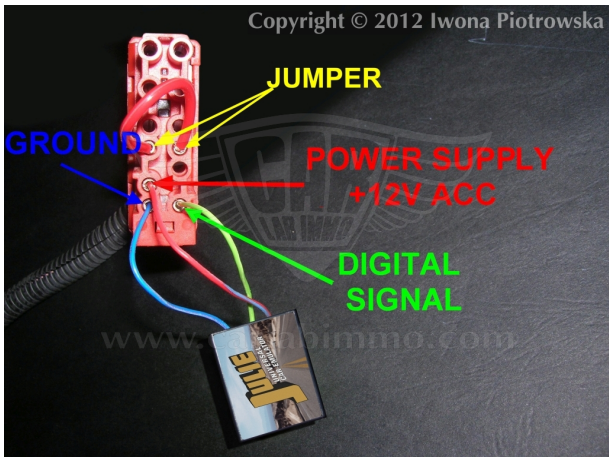
Mercedes A-Class W168 *(1997-2001)*
Mercedes C-Class W202 *(1999-2001)*
Mercedes Vito W638 *(-2003)*
Mercedes ML-Class W163 with TRW controller *(1999)*
Mercedes E-Class W210 before lifting-
-with airbag OFF indicator *(-1999)*

In Universal Julie Emulator solder jumpers
J3+J7



Insert a 100-ohm resistor into the seat belt socket

After correctly connecting the emulator, the SRS/AIRBAG fault on the dashboard will turn off without the need to delete the fault code.



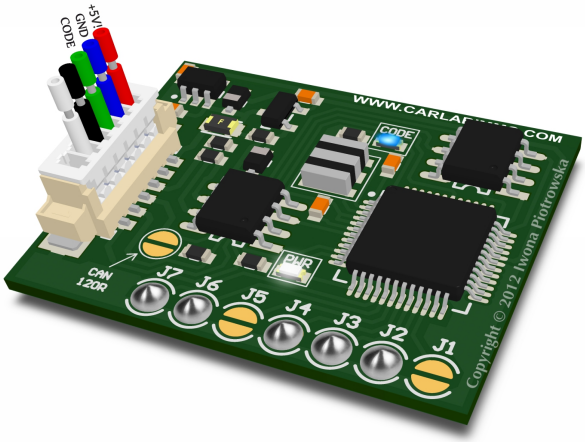
No.8 Mercedes

(availlable from version 92)

USE

Mercedes E-Class W212 *(2009-2016)*
Mercedes E-Class S212/C207/A207 *(2013-2016)*

In Universal Julie Emulator solder jumpers
J2+J3+J4+J6+J7



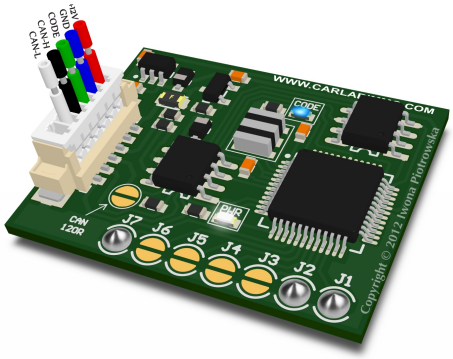
Insert a 100-ohm resistor into the seat belt socket

No.9 Mercedes

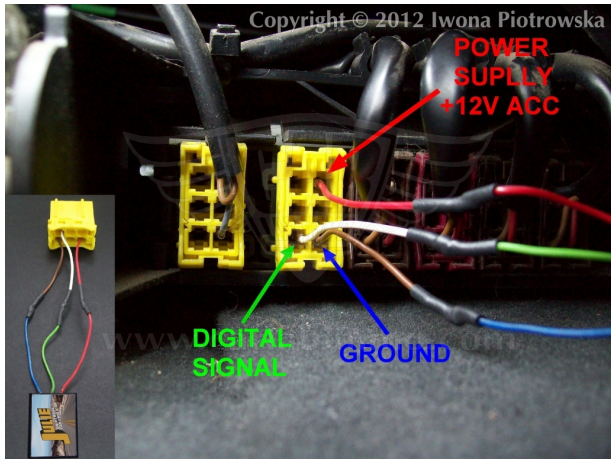
USE

Mercedes E-Class W211 with Temic controller *(2002-2004)*
Mercedes S-Class W220 *(2003-2005)*

In Universal Julie Emulator solder jumpers
J1+J2+J7



Insert a 100-ohm resistor into the seat belt socket

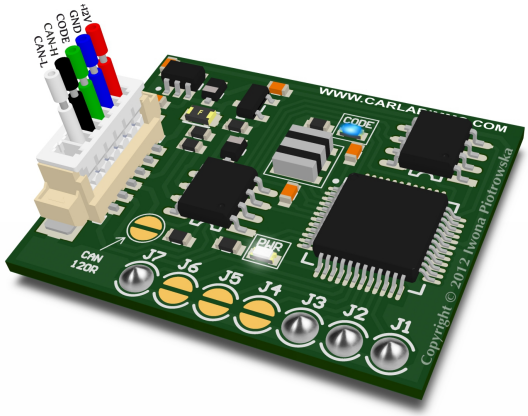


No.10 Mercedes

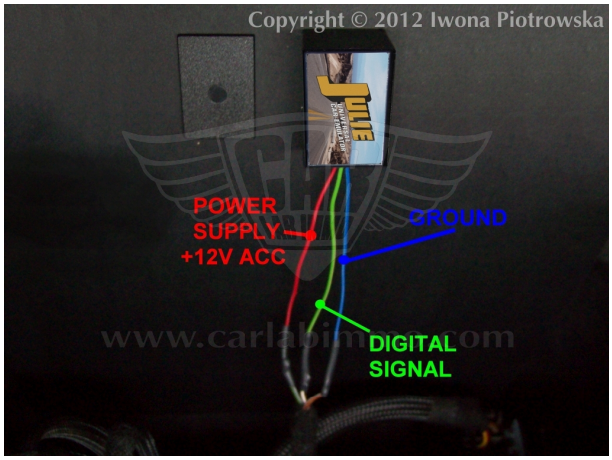
USE

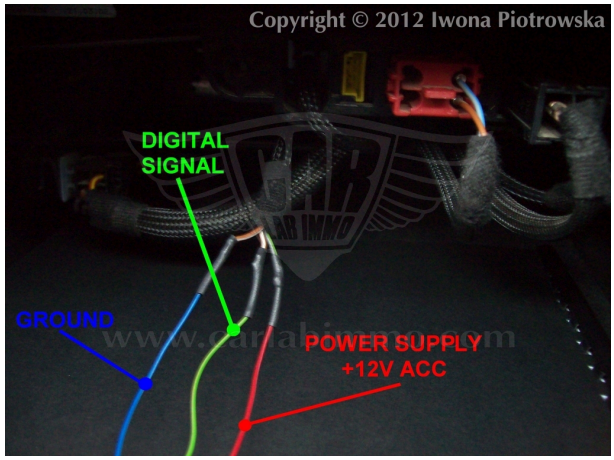
Mercedes E-Class W210 after lifting-
-with airbag OFF indicator*(1999-2003)*
Mercedes Vito II W639 *(2002-2005)*
Mercedes ML-Class W163 *(2000-)*
Mercedes A-Class W168 *(2002-2005)*
Mercedes S-Class W220 *(2000-2003)*
Mercedes S-Class W203 *(-2005)*
Mercedes CLK-Class W209 *(2002-)*
Mercedes Vaneo W414

In Universal Julie Emulator
solder jumpers
J1+ J2+J3+J7



Insert a 100-ohm resistor into the seat belt socket



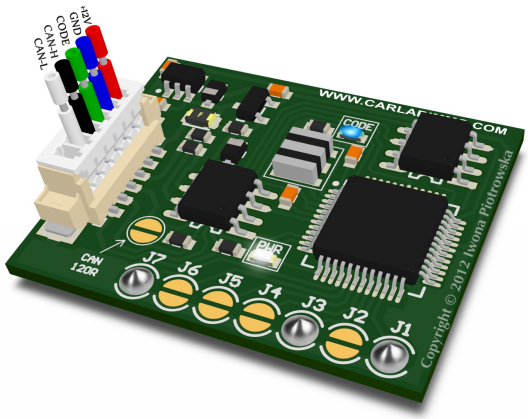


No.11 Mercedes

USE

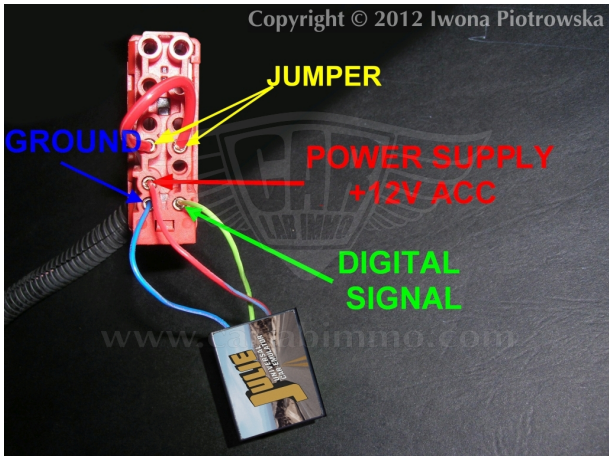
Mercedes A-Class W168 *(1997-2001)*
Mercedes C-Class W202 *(1999-2001)*
Mercedes Vito W638 *(-2003)*
Mercedes ML-Class W163 with TRW controller *(1999)*
Mercedes E-Class W210 before lifting-
-with airbag OFF indicator *(-1999)*

In Universal Julie Emulator solder jumpers
J1+J3+J7



Insert a 100-ohm resistor into the seat belt socket

After correctly connecting the emulator, the SRS/AIRBAG fault on the dashboard will turn off without the need to delete the fault code.



MINI

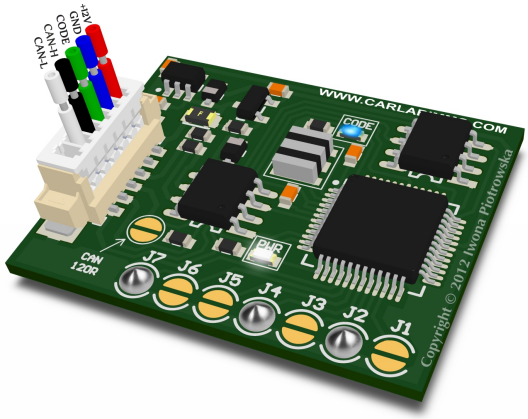
No.	Model	Year	Solder jumpers	
1	**Mini** Cooper	2002-2005	**J2+J4+J7**	OPEN
2	**Mini** Cooper	2002-2005	Child seat installed: **J1+J2+J4+J7**	OPEN

No.1 Mini

USE

Mini Cooper *(2002-2005)*

In Universal Julie Emulator solder jumpers
J2+J4+J7



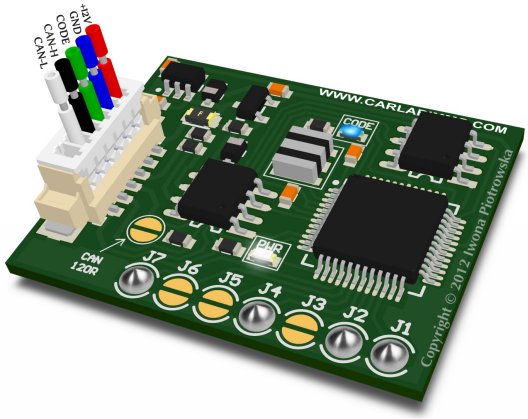
Insert a 680-ohm resistor into the seat belt socket

No.2 Mini

USE

Mini Cooper *(2002-2005)*

In Universal Julie Emulator
solder jumpers
J1+J2+J4+J7



Insert a 680-ohm resistor into the seat belt socket

OPEL

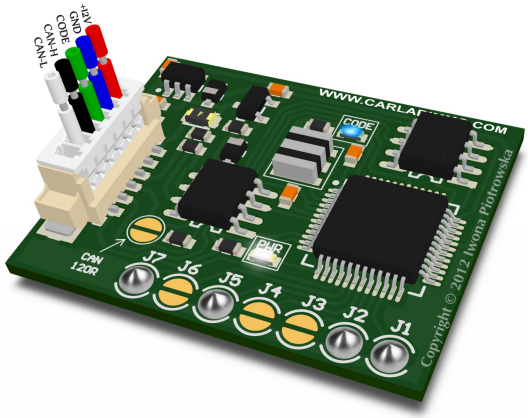
No.	Model	Solder jumpers	
1	**Opel** Corsa C **Opel** Vectra C	**J1+J2+J5+J7**	OPEN
2	**Opel** Astra G **Opel** Meriva A **Opel** Omega B FL, **Opel** Signum **Opel** Zafira A	**J3+J5+J7**	OPEN

No.1 Opel

USE

Opel Corsa C
Opel Vectra C

In Universal Julie Emulator solder jumpers
J1+J2+J5+J7

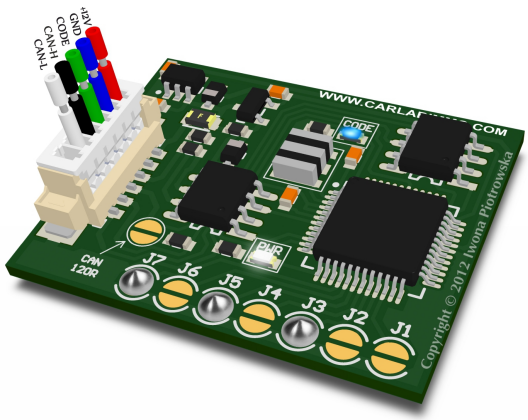


No.2 Opel

USE

Opel Astra G
Opel Meriva A
Opel Omega B FL,
Opel Signum
Opel Zafira A

In Universal Julie Emulator solder jumpers
J3+J5+J7



Warning!!!

Due to possible construction changes of cars, check signals with multimeter in the ECU plug.

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