

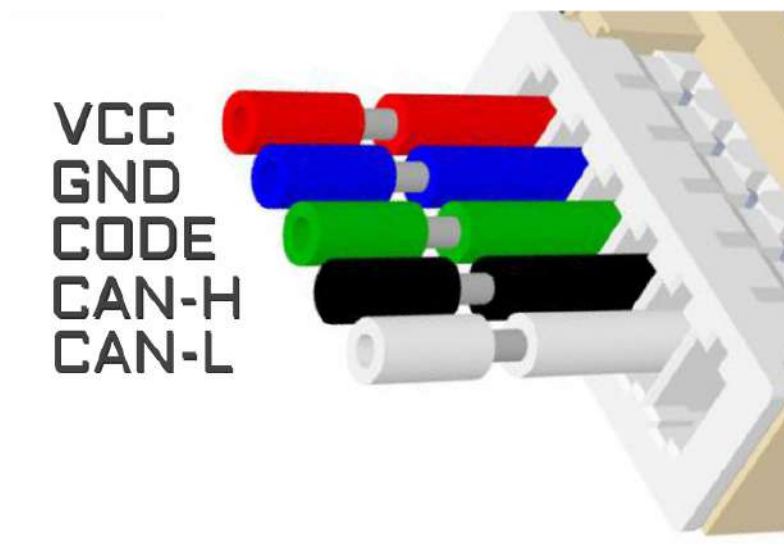
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Julie - Universal Car Emulator Programs:

Seat occupancy sensor programs

BMW.....	4
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MINI	22
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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

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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

+12V ACC **red**

GND **blue**

Digital signal **green**

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

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BMW

No.	Model	Year	Solder jumpers	
1	BMW Series 1 – E81	2007-2010	1+7	OPEN
	BMW Series 3 – E90, E92, E93			
	BMW Series 5 – E60, E63, E64			
	BMW Series 7 – E65			
	BMW Series X – E70, E71			
2	BMW Series 1 – E87	2003-2007	4+7	OPEN
	BMW Series 3 – E90			
	BMW Series 5 – E60, E63			
	BMW Series 7 - E65			
	BMW Series 3 – E36, E46	1997-2003		
	BMW Series 5 – E39			
	BMW Series 7 – E38			
	BMW Series 8 – E31			
	BMW Series X – E53			
3	BMW Series 1 – E87	2003-2007	Child seat installed 1+4+7	OPEN
	BMW Series 3 – E90			
	BMW Series 5 – E60, E63			
	BMW Series 7 - E65			
	BMW Series 3 – E36, E46	1997-2003		
	BMW Series 5 – E39			
	BMW Series 7 – E38			
	BMW Series 8 – E31			
	BMW Series X – E53			

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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**

1 + 7



Attention!

If still after installation of the emulator your car signals 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

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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

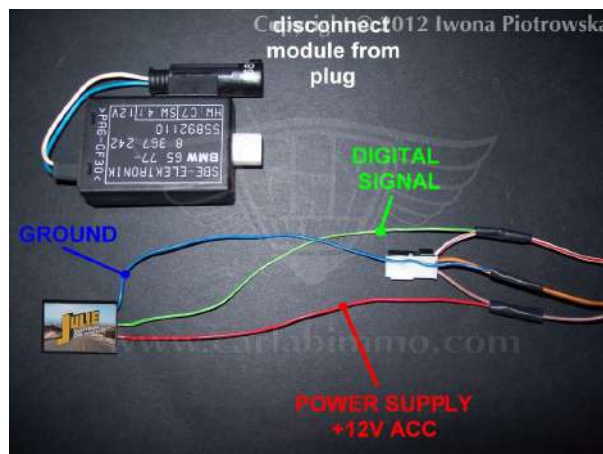
BMW Series X – E53



**In Universal Julie Emulator
solder jumpers
4 + 7**



Insert a 510-ohm resistor into the seat belt socket



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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

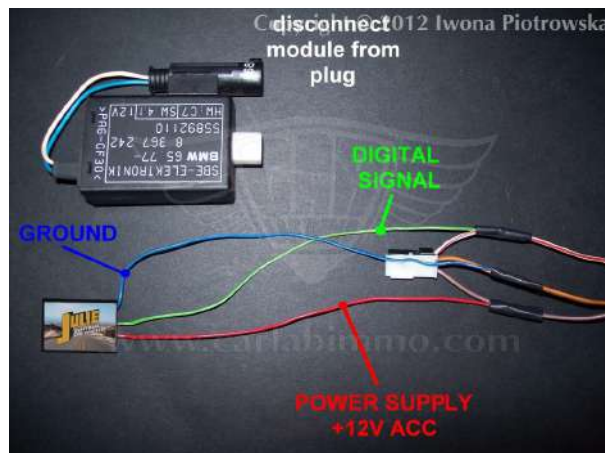
BMW Series X – E53



In Universal Julie Emulator
solder jumpers
1+4+7



Insert a 510-ohm resistor into the seat belt socket



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FIAT

No.	Model	Solder jumpers	
1	Fiat Stilo	2+ 3+4+7	OPEN
2	Fiat Stilo	Child seat installed: 1+2+3+4+7	OPEN

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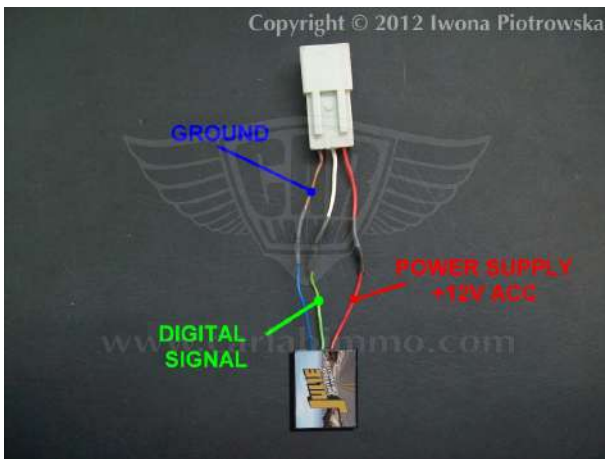
No.1 FIAT STILO

USE

Fiat Stilo



In Universal Julie Emulator
solder jumpers
2+3+4+7



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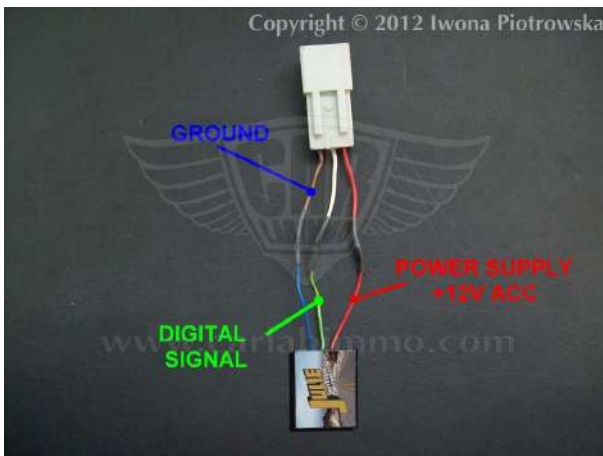
No.2 FIAT STILO

USE

Fiat Stilo



In Universal Julie Emulator
solder jumpers
1+2+3+4+7



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FORD

No	Model	Year	Solder jumpers	
1	Ford Mondeo	2001-2003	1+3+5+7	OPEN

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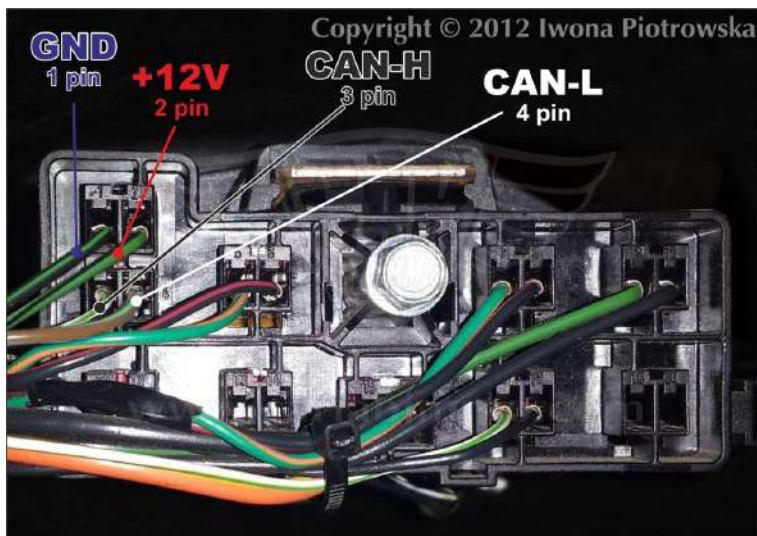
No.1 FORD

USE

(2001-2003)
Ford Mondeo



In Universal Julie Emulator
solder jumpers
1+3+5+7



Connection diagram example

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MAZDA

No.	Model	Solder jumpers	
1	Mazda Premacy, MX-5, 626, 323, 6 GG/GY	3+4+7	OPEN
2	Mazda Premacy, MX-5, 626, 323, 6 GG/GY	Child seat installed: 1+3+4+7	OPEN

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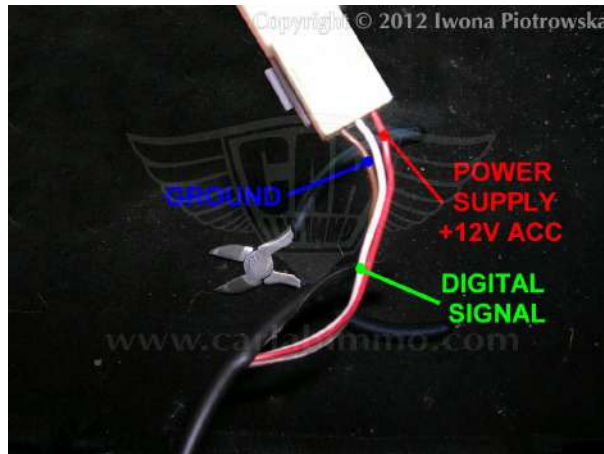
No.1 MAZDA

USE

- Mazda Premacy
- Mazda MX-5
- Mazda 626
- Mazda 323
- Mazda 6 GG/GY



In Universal Julie Emulator
solder jumpers
3+4+7



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No.2 MAZDA

USE

Mazda Premacy

Mazda MX-5

Mazda 626

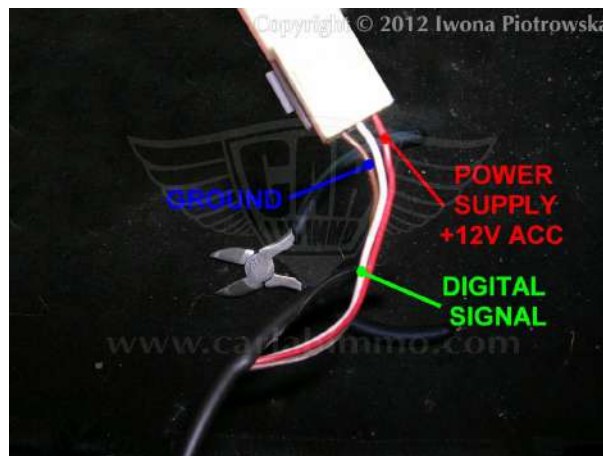
Mazda 323

Mazda 6 I



In Universal Julie Emulator
solder jumpers

1+3+4+7



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MERCEDES

No.	Model	Year	Solder jumpers	
1	Mercedes E-class W211 (Temic Armada controller)	2004-2007	1+5+7	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	5+7	OPEN
	Mercedes SL-class W230	2004		
	Mercedes SLK-class W171	2004-2011		
3	Mercedes E-class W211 (Temic Armada controller)	2002-2003	1+4+6+7	OPEN
4	Mercedes E-class W211 with: <i>Temic controller no. 002 820 35 26</i> <i>Bosch controller no. 002 820 29 26; 0 285 001 441</i>	2002-2003	2+5+7	OPEN
5	Mercedes E-class W211 (Temic controller)	2002-2004	2+7	OPEN
	Mercedes S-class W220	2003-2005		
6	Mercedes E-class W210 (with airbag OFF indicator after lifting)	1999-2003	2+3+7	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			

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7	Mercedes A-class W168	1997-2001	3+7	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	2+3+4+6+7	OPEN
	Mercedes E-Class S212/C207/A207	2013-2016		
9	Mercedes E-class W211 (Temic controller)	2002-2004	Child seat installed: 1+2+7	OPEN
	Mercedes S-class W220	2003-2005		
10	Mercedes E-class W210 (with airbag OFF indicator after lifting)	1999-2003	Child seat installed: 1+2+3+7	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: 1+3+7	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		

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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**

1+5+7



Insert a 100-ohm resistor into the seat belt socket

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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**

5+7



Insert a 100-ohm resistor into the seat belt socket

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No.3 Mercedes

USE

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



In Universal Julie Emulator
solder jumpers

1+4+6+7



Insert a 100-ohm resistor into the seat belt socket

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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
2+5+7**



Insert a 100-ohm resistor into the seat belt socket

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No.5 Mercedes

USE

Mercedes E-Class W211 with Temic controller (2002-2004)

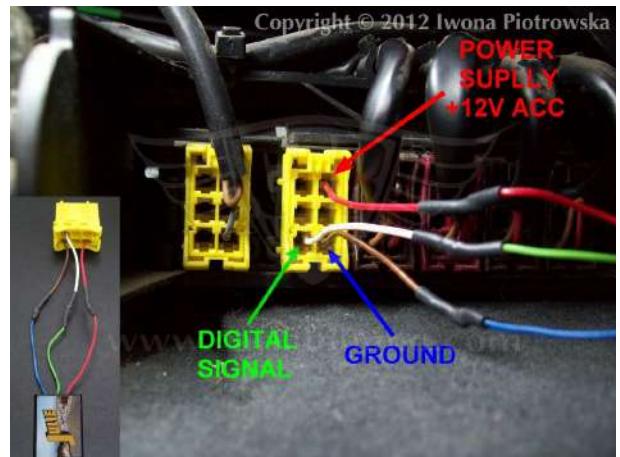
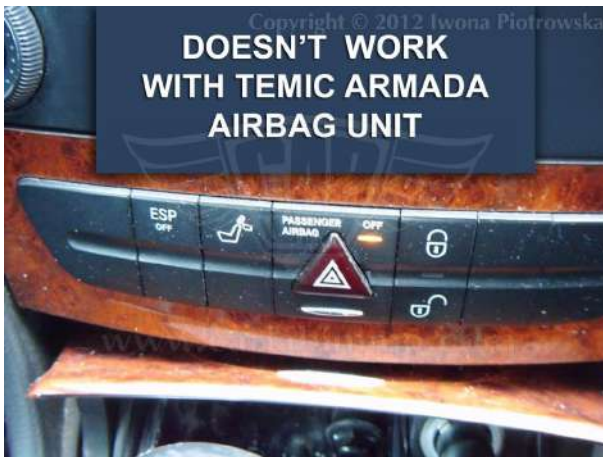
Mercedes S-Class W220 (2003-2005)



In Universal Julie Emulator
solder jumpers
2+7



Insert a 100-ohm resistor into the seat belt socket



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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** C-Class W203 (-2005)
- Mercedes** CLK-Class W209 (2002-)
- Mercedes** Vaneo W414



**In Universal Julie Emulator
solder jumpers**

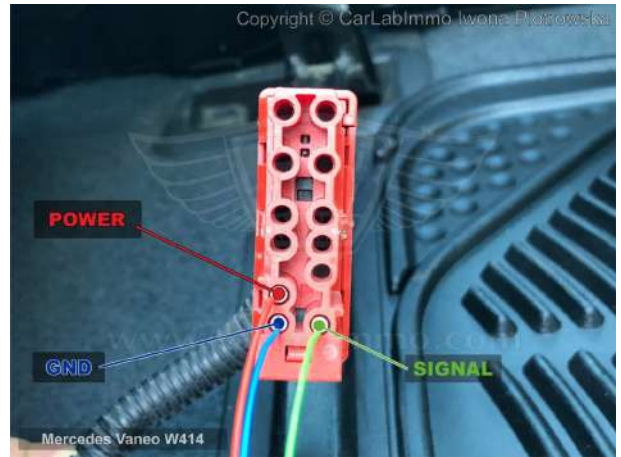
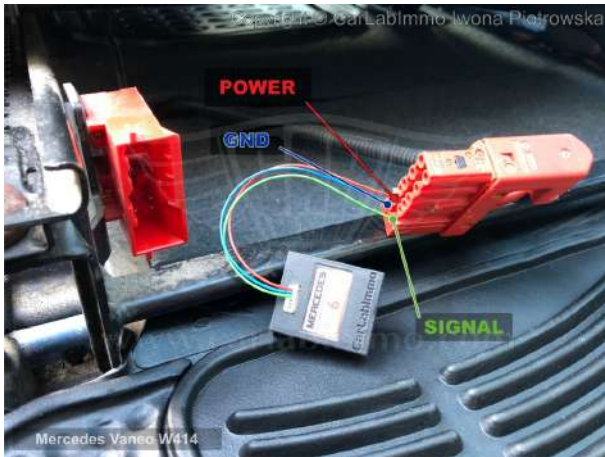
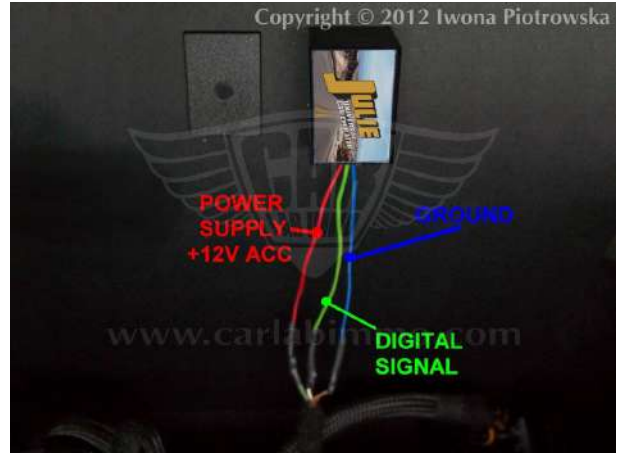
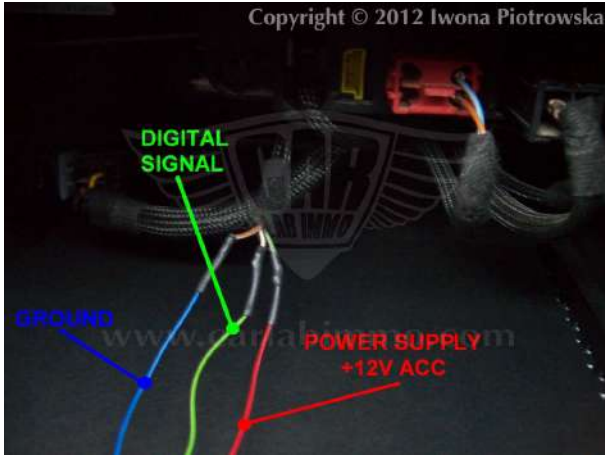
2+3+7



Insert a 100-ohm resistor into the seat belt socket

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Examples of connecting the emulator:



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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
3+7**

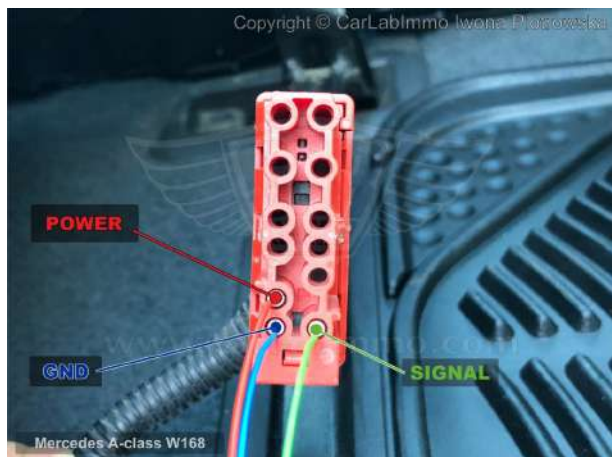
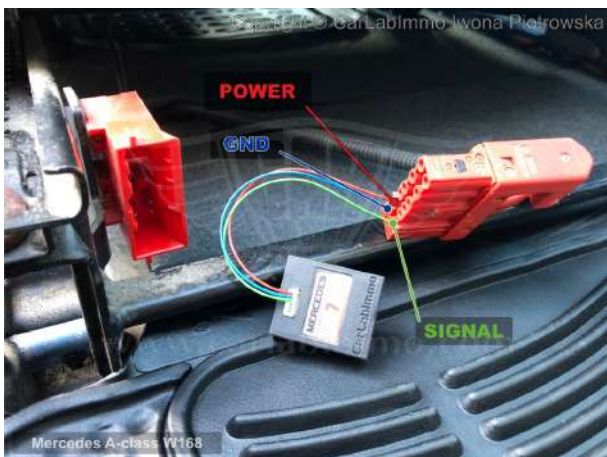
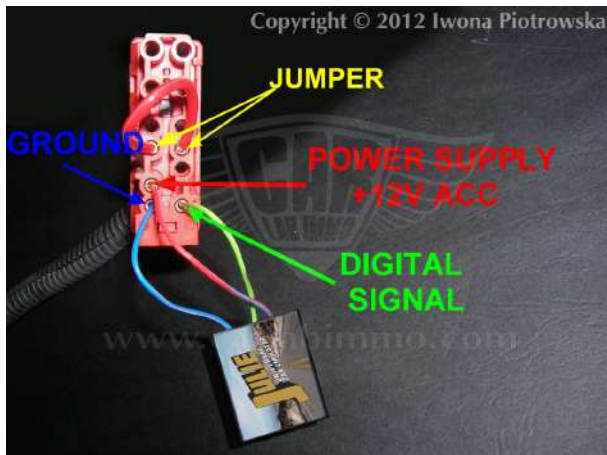


Insert a 100-ohm resistor into the seat belt socket

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

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Examples of connecting the emulator:



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No.8 Mercedes

USE

Mercedes E-Class W212 (2009-2016)

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



**In Universal Julie Emulator
solder jumpers**

2+3+4+6+7



Insert a 100-ohm resistor into the seat belt socket

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No.9 Mercedes

USE

Mercedes E-Class W211 with Temic controller (2002-2004)

Mercedes S-Class W220 (2003-2005)

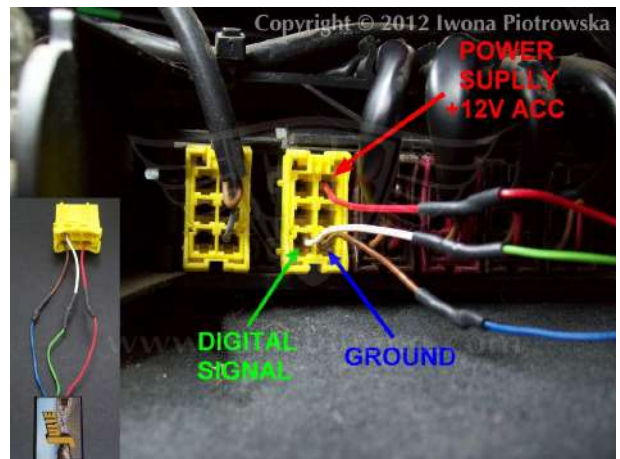
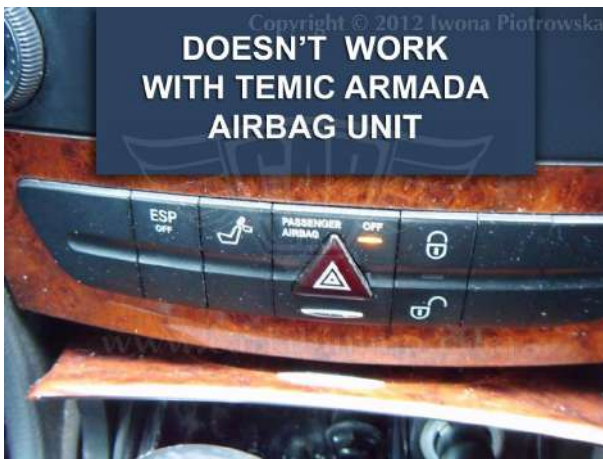


In Universal Julie Emulator solder jumpers

1+2+7



Insert a 100-ohm resistor into the seat belt socket



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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 C-Class W203** (-2005)
- Mercedes CLK-Class W209** (2002-)
- Mercedes Vaneo W414**

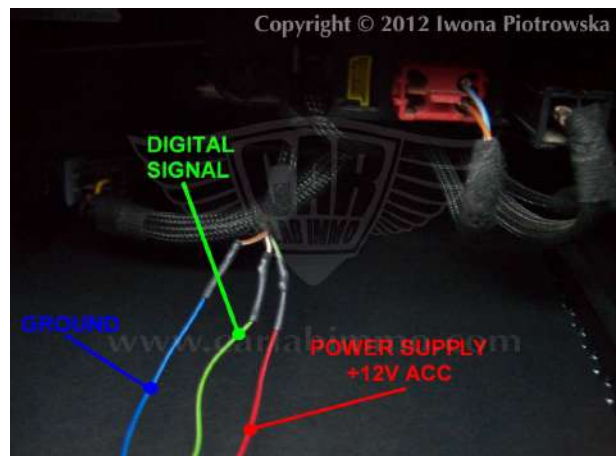
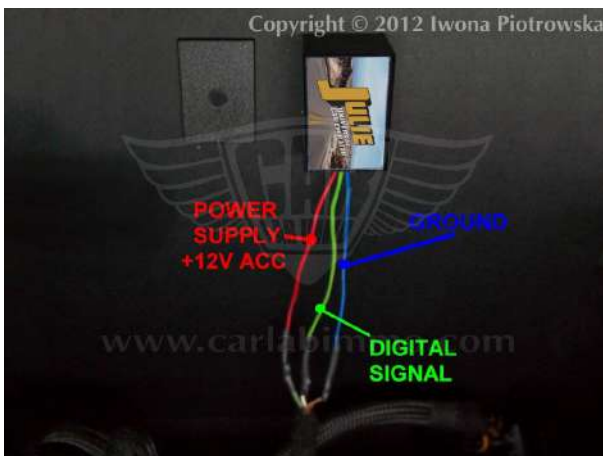


In Universal Julie Emulator
solder jumpers

1+2+3+7



Insert a 100-ohm resistor into the seat belt socket



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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)

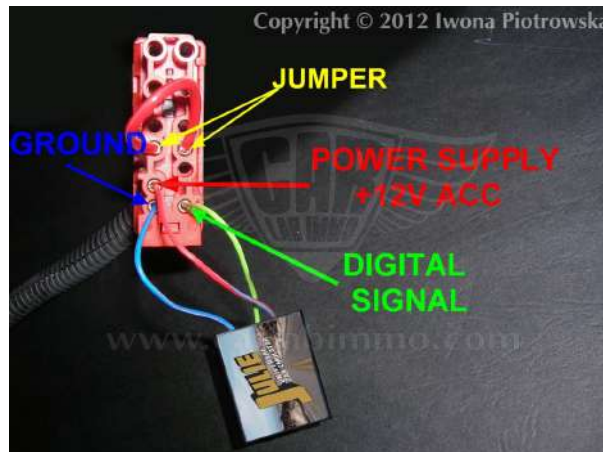


In Universal Julie Emulator
solder jumpers
1+3+7



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.



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MINI

No	Model	Year	Solder jumpers	
1	Mini Cooper	2002-2005	2+4+7	OPEN
2	Mini Cooper	2002-2005	Child seat installed: 1+2+4+7	OPEN

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No.1 Mini

USE

Mini Cooper (2002-2005)



In Universal Julie Emulator
solder jumpers

2+4+7



Insert a 680-ohm resistor into the seat belt socket

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No.2 Mini

USE

Mini Cooper (2002-2005)



In Universal Julie Emulator
solder jumpers

1+2+4+7



Insert a 680-ohm resistor into the seat belt socket

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OPEL

No.	Model	Solder jumpers	
1	Opel Corsa C Opel Vectra C	1+2+5+7	OPEN
2	Opel Astra G Opel Meriva A Opel Omega B FL, Opel Signum Opel Zafira A	3+5+7	OPEN

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No.1 Opel

USE

Opel Corsa C
Opel Vectra C



**In Universal Julie Emulator
solder jumpers
1+2+5+7**



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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
3+5+7**



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Warning!!!

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



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Last updated 16.08.2018