Julie - Universal Car Emulator Programs:

Seat occupancy sensor programs

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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:

- +12V ACC (red)
- GND (blue)
- Digital signal (green)

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Year</th>
<th>Solder jumpers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>BMW Series 1 – E81</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>BMW Series 3 – E90, E92, E93</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td><strong>BMW Series 5 – E60, E63, E64</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td><strong>BMW Series 7 – E65</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>BMW Series X – E70, E71</strong></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>2007-2010</td>
<td>1+7</td>
<td></td>
</tr>
</tbody>
</table>

| 2   | **BMW Series 1 – E87**    |        |                |                     |
|     | **BMW Series 3 – E90**    |        |                |                     |
|     | **BMW Series 5 – E60, E63** |        |                |                     |
|     | **BMW Series 7 - E65**    |        |                |                     |
|     | **BMW Series 3 – E36, E46** |        |                |                     |
|     | **BMW Series 5 – E39**    |        |                |                     |
|     | **BMW Series 7 – E38**    |        |                |                     |
|     | **BMW Series 8 – E31**    | 1997-2003 | 4+7            |                     |
|     | **BMW Series X – E53**    |        |                |                     |

| 3   | **BMW Series 1 – E87**    |        |                | Child seat installed |
|     | **BMW Series 3 – E90**    |        |                | 1+4+7               |
|     | **BMW Series 5 – E60, E63** |        |                |                     |
|     | **BMW Series 7 - E65**    |        |                |                     |
|     | **BMW Series 3 – E36, E46** |        |                |                     |
|     | **BMW Series 5 – E39**    |        |                |                     |
|     | **BMW Series 7 – E38**    |        |                |                     |
|     | **BMW Series 8 – E31**    |        |                |                     |
|     | **BMW Series X – E53**    |        |                |                     |
|     |                            | 2003-2007 |                |                     |
|     |                            | 1997-2003 |                |                     |
No.1 BMW

USE

European models


**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

Attention!

If still after installation of the emulator your car signalizes unfastened passenger seatbelt fault, put a resistor 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

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
No.3 BMW

USE

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

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
## FIAT

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Solder jumpers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fiat Stilo</td>
<td>2+ 3+4+7</td>
</tr>
<tr>
<td>2</td>
<td>Fiat Stilo</td>
<td>Child seat installed: 1+2+3+4+7</td>
</tr>
</tbody>
</table>
No.1 FIAT STILO

USE

Fiat Stilo

In Universal Julie Emulator solder jumpers

2+3+4+7
No.2 FIAT STILO

USE

Fiat Stilo

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

<table>
<thead>
<tr>
<th>No</th>
<th>Model</th>
<th>Year</th>
<th>Solder jumpers</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ford Mondeo</td>
<td>2001-2003</td>
<td>1+3+5+7</td>
<td>OPEN</td>
</tr>
</tbody>
</table>
No.1 FORD

USE

Ford Mondeo

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

Connection diagram example
## MAZDA

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Solder jumpers</th>
<th>Child seat installed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mazda Premacy, MX-5, 626, 323, 6 GG/GY</td>
<td>3+4+7</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Mazda Premacy, MX-5, 626, 323, 6 GG/GY</td>
<td></td>
<td>1+3+4+7</td>
</tr>
</tbody>
</table>
No.1 MAZDA

USE

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Year</th>
<th>Solder jumpers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mercedes E-class <strong>W211</strong> (Temic Armada controller)</td>
<td>2004-2007</td>
<td>1+5+7</td>
</tr>
<tr>
<td></td>
<td>Mercedes E-class <strong>W211</strong> (Bosch controller)</td>
<td>2002-2007</td>
<td></td>
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<tr>
<td></td>
<td>Mercedes C-class <strong>W203</strong></td>
<td>2006-2007</td>
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<tr>
<td></td>
<td>Mercedes CLS-class <strong>W219</strong></td>
<td>2005-2010</td>
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</tr>
<tr>
<td></td>
<td>Mercedes CLK-class <strong>W209</strong></td>
<td>2006-2009</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mercedes S-class <strong>W220</strong></td>
<td>2002-2005</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mercedes S-class <strong>W221</strong></td>
<td>2006</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Mercedes E-class <strong>W211</strong> (Temic controller)</td>
<td>2004-2007</td>
<td>5+7</td>
</tr>
<tr>
<td></td>
<td>Mercedes SL-class <strong>W230</strong></td>
<td>2004</td>
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</tr>
<tr>
<td></td>
<td>Mercedes SLK-class <strong>W171</strong></td>
<td>2004-2011</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Mercedes E-class <strong>W211</strong> (Temic Armada controller)</td>
<td>2002-2003</td>
<td>1+4+6+7</td>
</tr>
</tbody>
</table>
| 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 | 2+5+7 |
| 5   | Mercedes E-class **W211** (Temic controller) | 2002-2004 | 2+7  |
|     | Mercedes S-class **W220** | 2003-2005 |         |
| 6   | Mercedes E-class **W210** (with airbag OFF indicator after lifting) | 1999-2003 |         |
|     | 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 | 3+7 |
|   | 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 |
|   | Mercedes E-Class **S212/C207/A207** | 2013-2016 |     |

| 9 | Mercedes E-class **W211** (Temic controller) | 2002-2004 | Child seat installed: 1+2+7 |
|   | 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 |
|    | 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 |
|    | 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

1+5+7

Insert a 100-ohm resistor into the seat belt socket
No.2 Mercedes

USE

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

In Universal Julie Emulator solder jumpers
5+7

Insert a 100-ohm resistor into the seat belt socket
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
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
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
No.6 Mercedes

USE

Mercedes Vito II W639 (2002-2005)
Mercedes ML-Class W163 (2000-)
Mercedes A-Class W168 (2002-2005)
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
Examples of connecting the emulator:
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.
Examples of connecting the emulator:
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*
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
No.10 Mercedes

USE

Mercedes Vito II W639 (2002-2005)
Mercedes ML-Class W163 (2000-)
Mercedes A-Class W168 (2002-2005)
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
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)

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Year</th>
<th>Solder jumpers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mini Cooper</td>
<td>2002-2005</td>
<td>2+4+7</td>
</tr>
<tr>
<td>2</td>
<td>Mini Cooper</td>
<td>2002-2005</td>
<td>Child seat installed: 1+2+4+7</td>
</tr>
</tbody>
</table>
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
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
## OPEL

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Solder jumpers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Opel Corsa C</strong>&lt;br&gt;<strong>Opel Vectra C</strong></td>
<td><strong>1+2+5+7</strong></td>
</tr>
<tr>
<td>2</td>
<td><strong>Opel Astra G</strong>&lt;br&gt;<strong>Opel Meriva A</strong>&lt;br&gt;<strong>Opel Omega B FL</strong>&lt;br&gt;<strong>Opel Signum</strong>&lt;br&gt;<strong>Opel Zafira A</strong></td>
<td><strong>3+5+7</strong></td>
</tr>
</tbody>
</table>
No.1 Opel

USE

Opel Corsa C
Opel Vectra C

In Universal Julie Emulator solder jumpers
\[1 + 2 + 5 + 7\]
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
Warning!!!

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

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