



**Bulletin:**

## **Metris - Terminal Strip for Electrical Connections (Option EK1)**

EVS Charleston, 06/12/2017

Mercedes-Benz Vans, LLC

Mercedes-Benz



# Notice

Mercedes-Benz Vans, LLC does not warrant the accuracy of the information contained in this bulletin and reserves the right to modify or append this bulletin without prior notification. Mercedes-Benz disclaims all liability associated with the provision of this bulletin.

This bulletin is not intended to serve as a work instruction, but merely to provide some helpful information for Upfitters to take into consideration before retrofitting or modifying a Mercedes-Benz Metris Van.

Prior to making any modification to or installing any equipment in or on a Mercedes-Benz Metris, you should review and ensure compliance with all applicable laws and regulations, consult with Vans Engineering Support for Upfitter Management for additional and updated information, and read the Body & Equipment Guidelines for Metris Model Series 447.

## Upfitter Management Vans Contacts:

For information or Upfitter inquiries  
please submit a request via our website:

[www.upfitterportal.com](http://www.upfitterportal.com)

# Metris - Terminal Strip for Electrical Connections (Option: EK1)

## Technical Bulletin

The purpose of this bulletin is to show recommended Upfitter connections to existing vehicle power.

### Essential optional equipment

- Prior to installing additional electrical power circuits, please ensure the Mercedes-Benz Metris in question features the following essential optional equipment:
  - **EK1** connector (Upfitter connector)

**Important:** Please note that it is imperative that the aforementioned essential options are specified with the vehicle during the ordering process, as none of these options can be retrofitted.

- Do not tamper with or in any manner alter any pre-wired OEM connections.

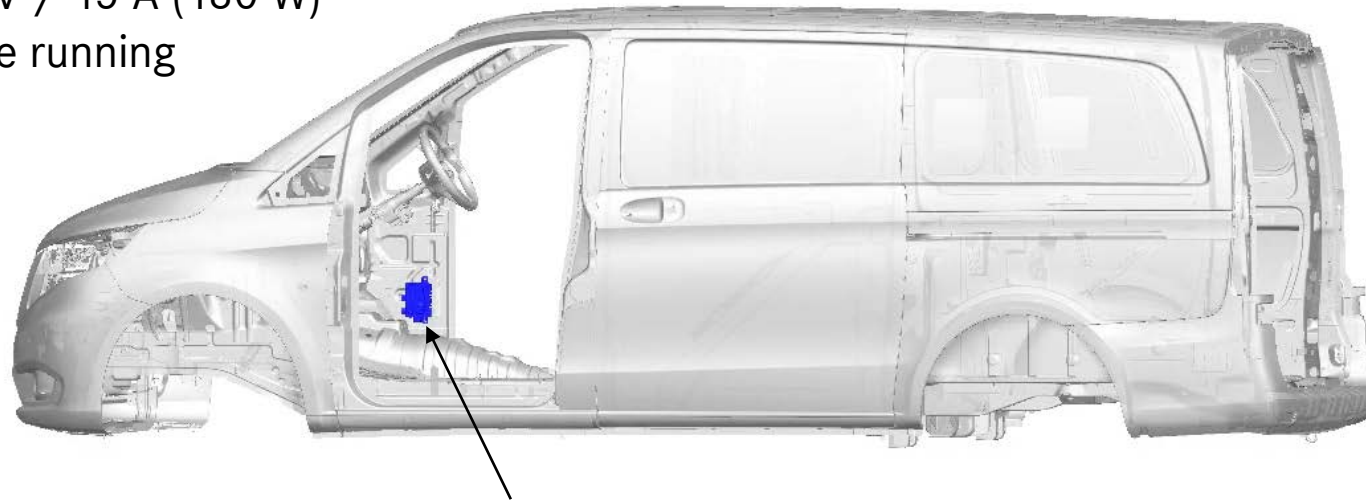


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The terminal strip for electrical connections is installed in the front passenger foot compartment and allows for easy integration into the existing power network. It includes access to the following connections:

- Terminal 15 12 V / 15 A (180 W)  
Battery + through ignition switch
- Terminal 30 12 V / 25 A (300 W)  
Battery + direct
- Terminal 61 12 V / 15 A (180 W)  
Battery + engine running



3D view of passenger side fuse and relay box



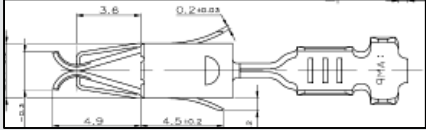
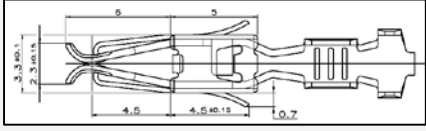
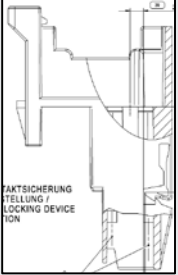
Interior passenger foot compartment



# Metris - Terminal Strip for Electrical Connections (Option: EK1)

## Technical Bulletin

Parts needed:

Part Description	Part Number	Picture
Contact spring	A 001 545 80 26	
Contact spring	A 000 982 04 11	
Fuse holder	A 006 545 10 01	
15A mini fuse	N 000 000 004 196	
25A fuse	N 000 000 004 207	

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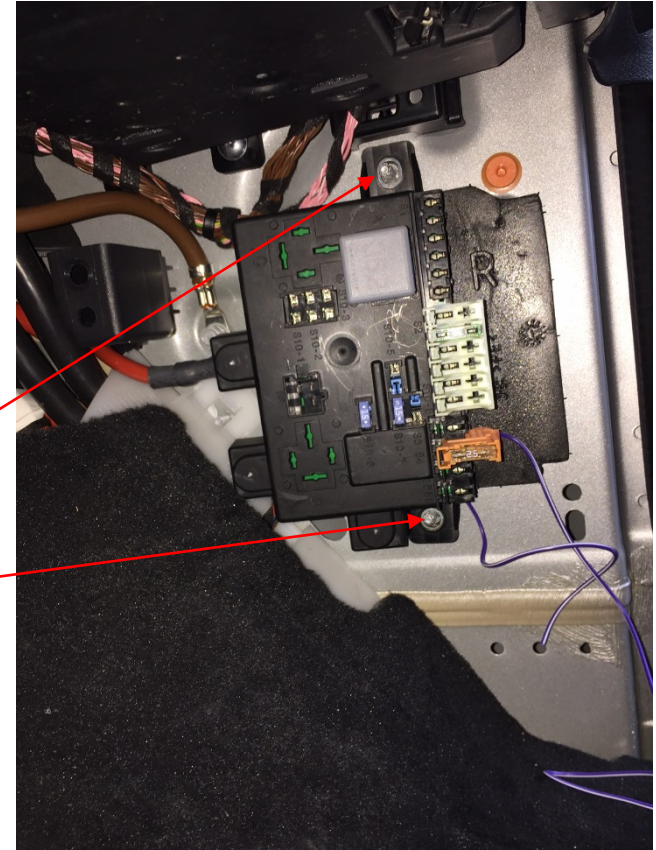


**Warning:** It is recommended to disconnect the starter battery before working on vehicle electrical systems.

Upfitter supplied wiring utilizing terminals 15 and 61 are connected to the back side of the fuse and relay box.

Upfitter supplied wiring utilizing terminal 30 connections are made at the front of the fuse and relay box.

To access the back side of the fuse and relay box, unscrew the nuts located on the top and bottom of the box.



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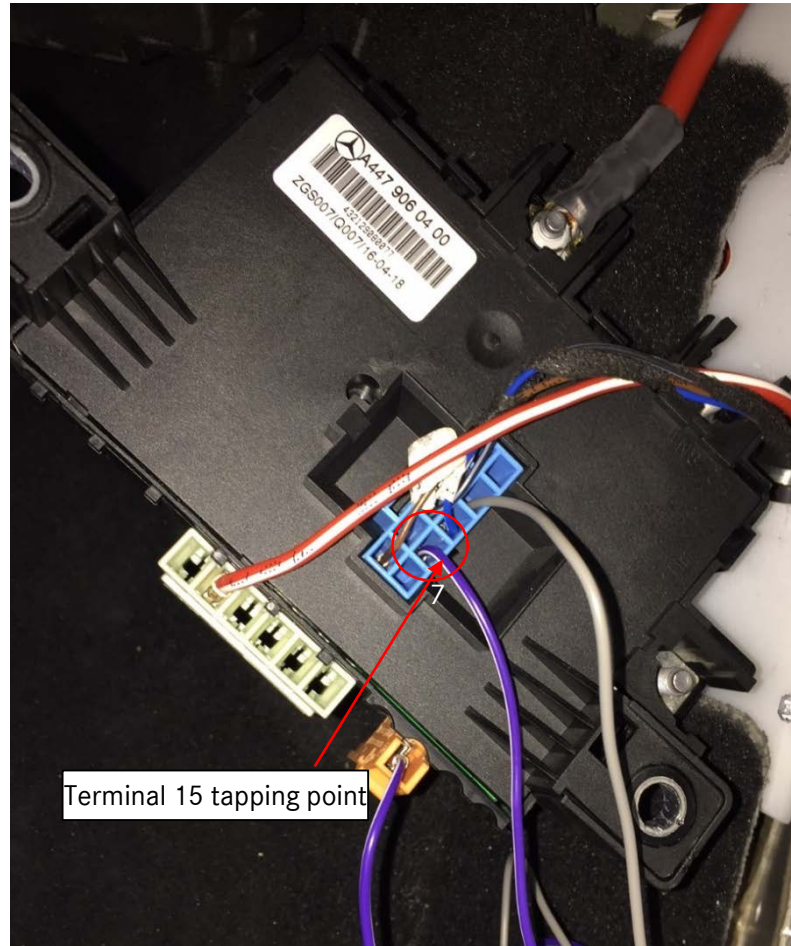
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### Terminal 15 Connections:

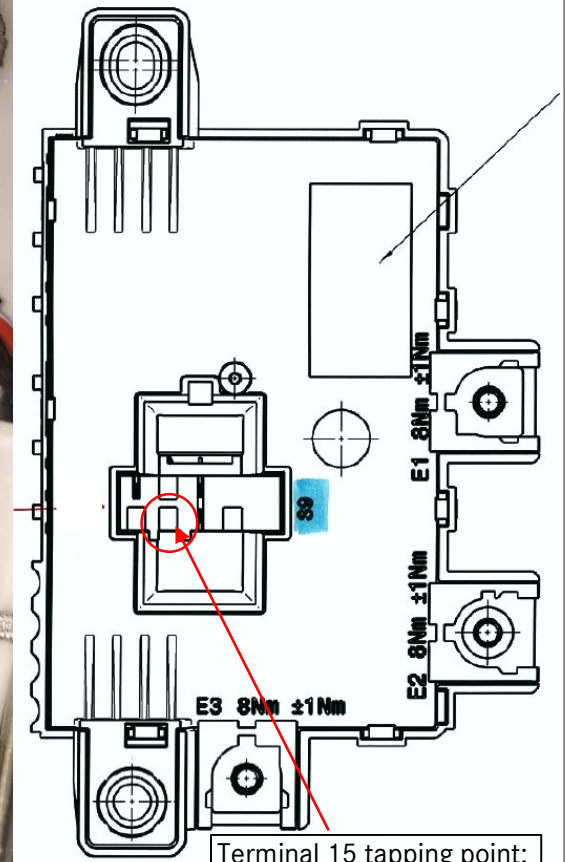
Crimp a 1.5mm<sup>2</sup> wire (Upfitter provided) onto a contact spring (A 001 545 80 26) and place into pin 7 on S9 blue socket housing (A 032 545 17 26) for terminal 15 access.



View of S9 pins



Rear View



Terminal 15 tapping point:  
S9, pin 7

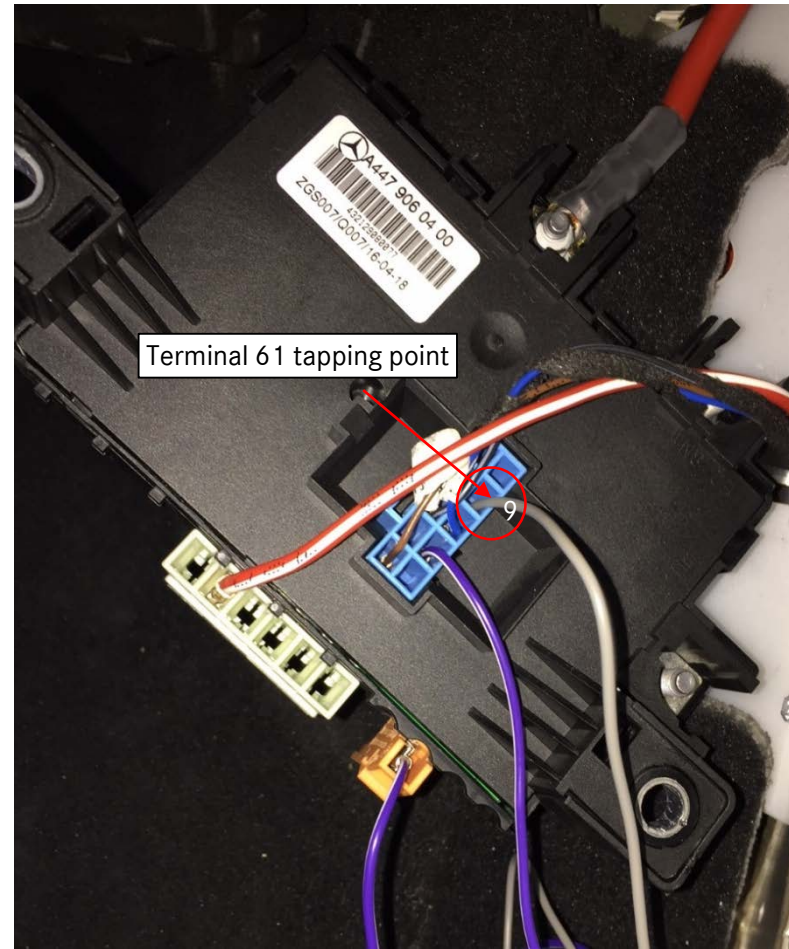


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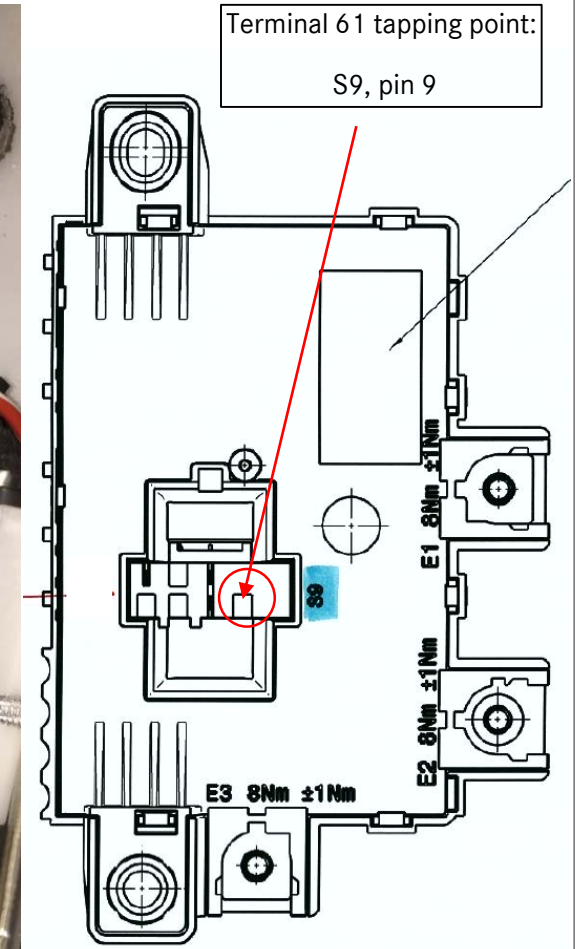
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### Terminal 61 Connections:

Crimp a 1.5mm<sup>2</sup> wire (Upfitter provided) onto a contact spring (A 001 545 80 26) and place into pin 9 on S9 blue socket housing (A 032 545 17 26) for terminal 61 access.



Rear View





# Metris - Terminal Strip for Electrical Connections (Option: EK1)

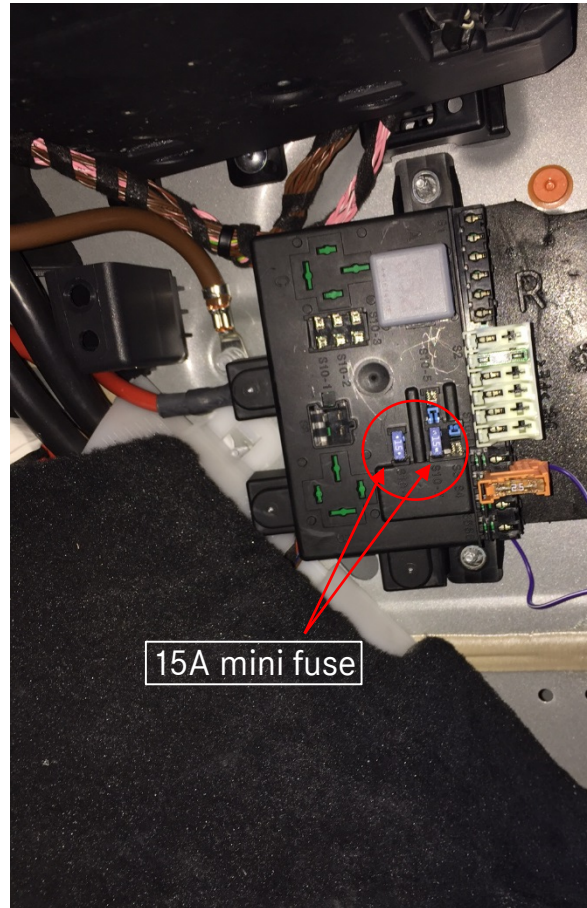
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### Terminal 15 and 61 Connections:

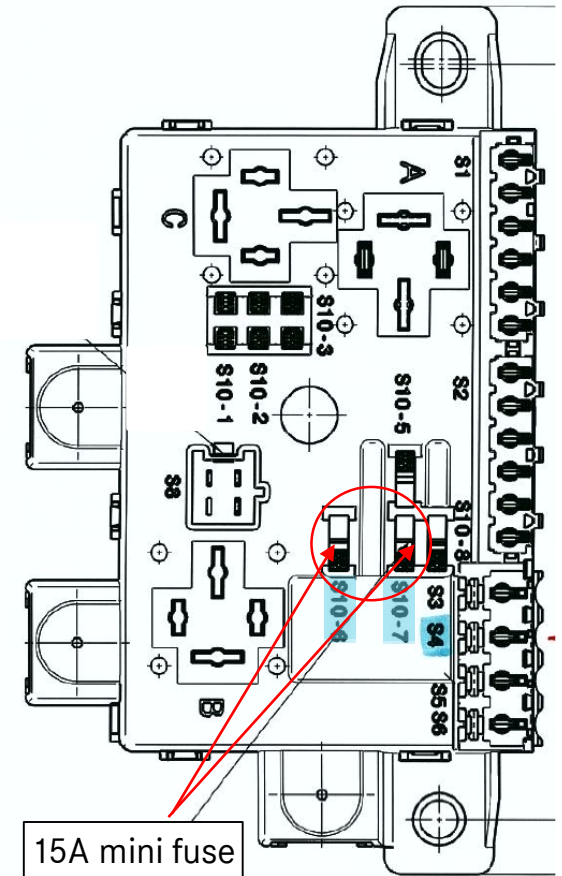
Two 15A mini fuses (N 000 000 004 196) are required to get access to terminal 15 and 61.

One 15A mini fuse will be put into the S10-7 position on the fuse and relay box. This provides access to terminal 15.

The other 15A mini fuse will be put into the S10-6 position on the fuse and relay box. This provides access to terminal 61.



Front View



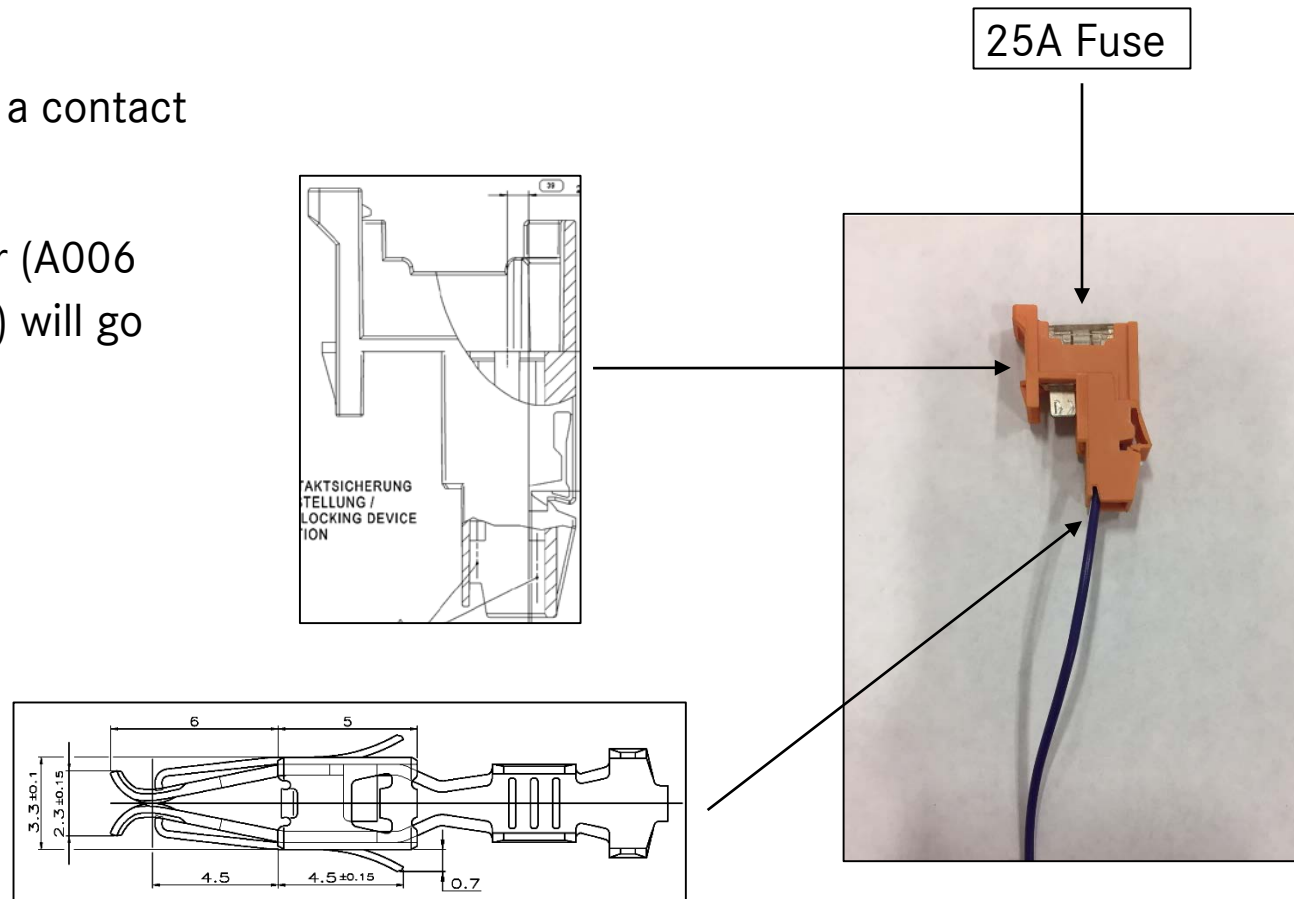
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### Terminal 30 Connections:

Crimp a 2.5mm<sup>2</sup> wire (Upfitter supplied) into a contact spring (A 000 982 04 11).

Put contact spring into an orange fuse holder (A006 545 10 01). A 25A fuse (N 000 000 004 207) will go into the top of the orange fuse holder.

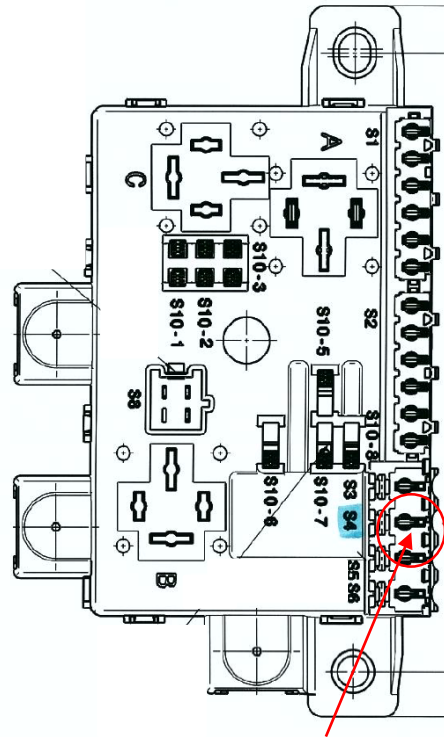


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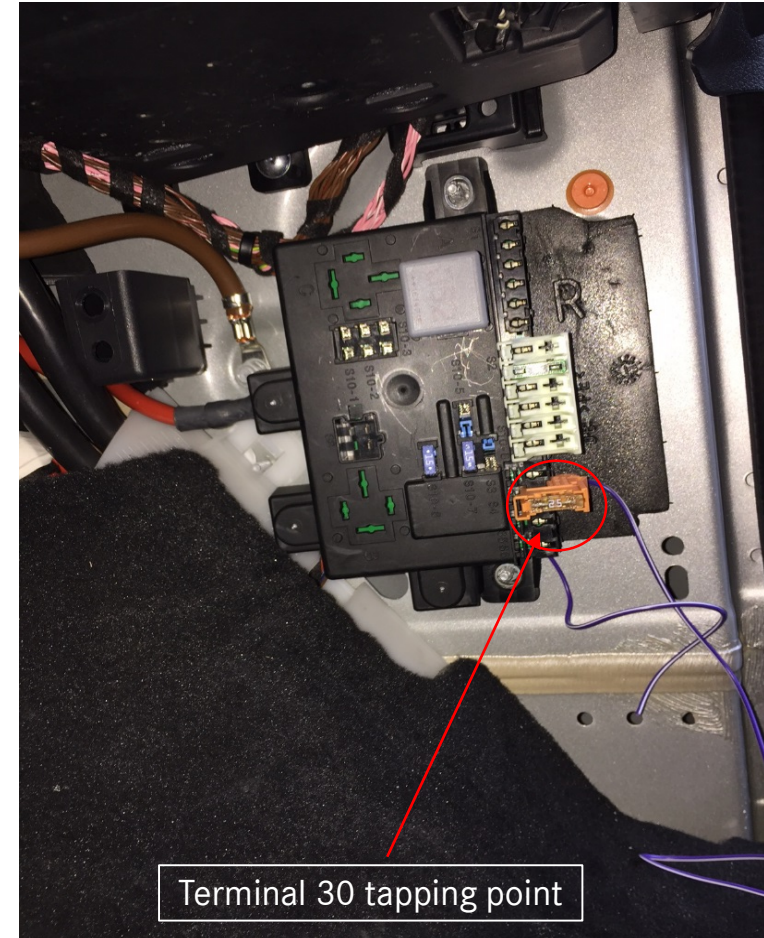
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### Terminal 30 Connections:

The fuse holder goes into the S4 position on the fuse and relay box. This provides access to terminal 30.



Terminal 30 tapping point



Terminal 30 tapping point

Front View