

Corrective actions details – Installation of Zener diode

The Installation of a Zener diode (e.g. BZW06-5V8./STMicroelectronics) within the CAN Router or CAN Repeater is required to overcome the activation of the yellow warning lamp in certain situations.

Safety instruction for retrofit of Zener diode

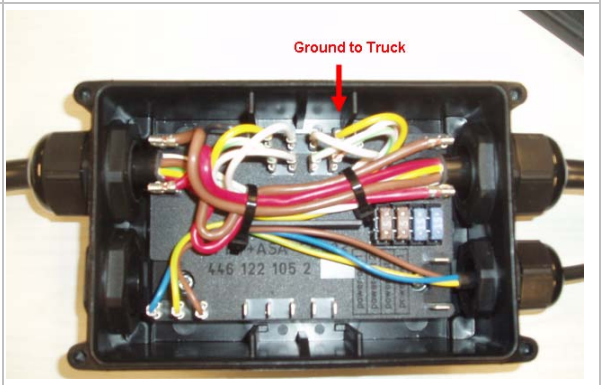
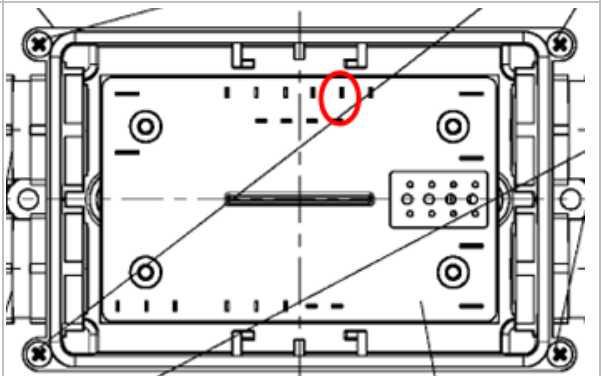
Prior to the retrofitting of the Z-diode fulfilling of following requirements is necessary:


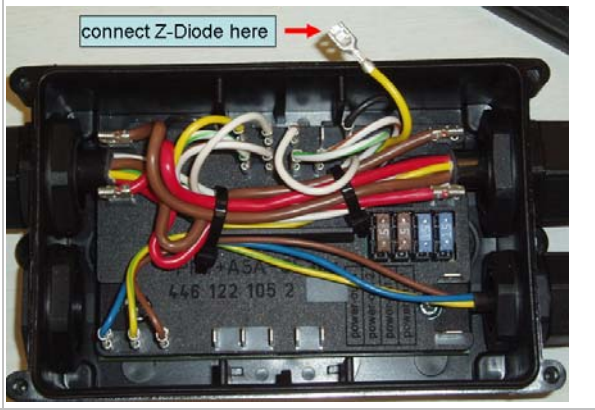

- Only trained and qualified personnel may perform this work.
- When working on the braking system, the vehicle must be secured against rolling away.
- Wear suitable protective clothing when necessary.
- The workplace has to be dry, as well as sufficiently lit and ventilated to avoid contamination of CAN Router or CAN Repeater
- Disconnect the battery – if installed in the vehicle.
- Disconnect cable connections to devices and components and protect the plug-in and connections from contamination and humidity.

Please also refer to the Workshop Instructions of the CAN Router/Repeater System Description Chapter 4, document number 815 010 176 3 (en) or 815 020 176 3 (de).

Assembly of the Z-diode

Once the preparation is done please continue with the installation of the Z-diode by following the steps as shown below:

<p>1) Open CAN Router or CAN Repeater by unscrew the cover of the ECU.</p>	
<p>2) Disconnect yellow ground wire in cable harness from truck. The position if the wire is shown on the picture.</p>	
	

3) Pre-connect device out of crimps and Z-diode	
4) Connect assembled Z-diode with crimp contact to yellow ground wire.	
5) Put shrinking hose over Z-diode in that way, that crimps are covered.	
6) Shrink the hose with hot air.	
7) Connect Z-diode to PCB contact.	
8) Fix Z-diode and yellow wire with cable strips.	
9) Close CAN Router or CAN Repeater by screw on the cover of the ECU again.	