SERVICE BULLETIN
SB1718

ADDRESSEES	**:** Owners and operators ABC Customer Care and Parts Source
VEHICLE MODEL	**:** TD925US
MANUAL SECTION	**:** 14.10 Electricity – wiring
BULLETIN TYPE	**: Field Change Program**
DATE	**:** February 05th, 2020
SUBJECT	**: To optimize power supply of fuse holder ZB3 in junction box EKA**
TERMS & CONDITIONS	**:** Refer to the warranty section further in this Bulletin.

APPLICATION:

The Field Change Program, subject of this bulletin, is applicable to below mentioned units:

Vehicle type	VIN
TD925US with Cummins ISM07	42465→42493
TD925US with Cummins ISX EPA10	42494→42668 42674→42685 42691→42738

DESCRIPTION:

It has been reported that the red 6 mm^2 power supply wire connected at stud “MP+24V” in junction box “Vanner” is not protected by a fuse. This wire runs from stud “MP+24V” to terminal block DVB in junction box EKA, from there the wire continues to fuse holder ZB3 in junction box EKA to power fuses Z83.1 and Z86.

This service bulletin gives step-by-step instructions how to install an additional 30A MIDI-fuse in junction box “Vanner” to make sure that this wire is protected against overheating in case of overcurrent.

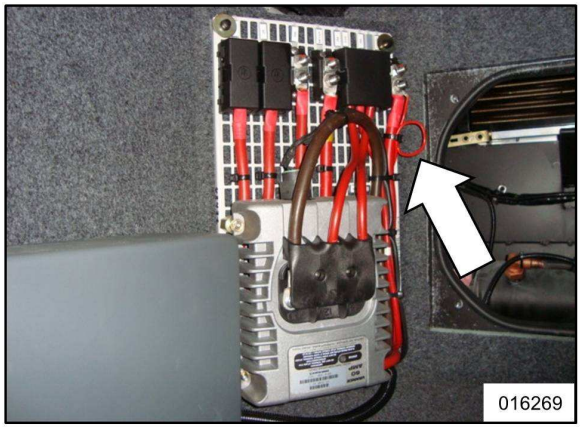


Figure 1: In luggage compartment, location of concerned 6mm^2 power supply wire on grid panel of junction box “Vanner (orientation of Vanner and grid panel may vary)

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COMPONENTS:

Parts of kit VH11712317

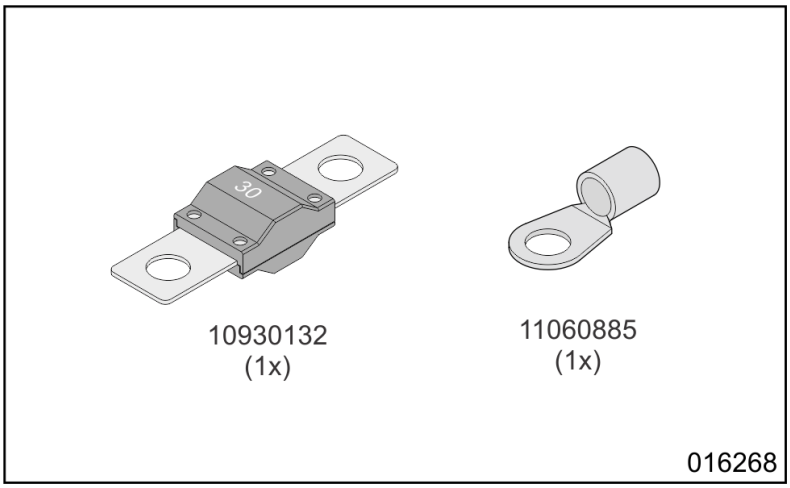


Figure 2

VH Reference	Description	Qty.*
10930132	Midi fuse 30A	1
11060885	Cable lug (to connect 6 mm^2 wire to MIDI fuse holder stud)	1

*suited for one vehicle

Parts of additional kit VH11712318 (only to be ordered if wires/terminal blocks are damaged due to overheating)

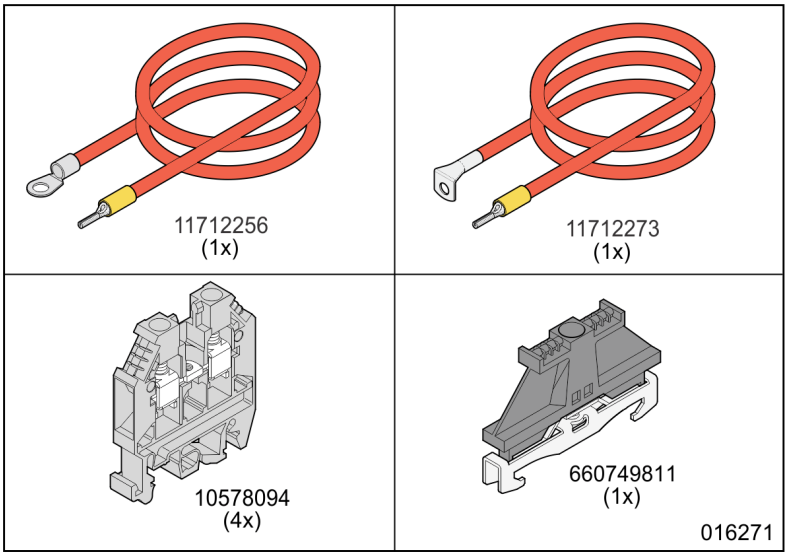


Figure 3

VH Reference	Description	Qty.*
11712256	Red 6 mm^2 wire (to connect "MP+24V"stud to terminal block DVB) (cable lug 11060885 + red 6mm^2 wire (length 11 ft) + cable lug 660765901)	1
11712273	Red 6 mm^2 wire (to connect terminal block DVB to ZB3) (cable lug 660765901 + red 6mm^2 wire (length 40 inch) + cable lug 11224191)	1
10578094	Terminal block	4
660749811	Terminal block end clamp	1

*suited for one vehicle

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JOB REQUIREMENTS:

This job has to be carried out by an experienced automotive electrician.

SPECIAL TOOLS, EQUIPMENT OR SERVICES:

- Torque wrench
- Criming tool “CERTI-LOK” (TE reference 0-0169400-0) with “DIE SET” (TE reference 0-0169404-0) for 6 mm^2 cable lug. Refer to TE instruction sheet 408-6765 for more information.

PREPARATIONS:

- Park the coach on a level-surfaced service pit.
- Apply the parking brake and shut down the engine.
- Switch off all systems and turn off the battery master switch.
- Turn off the mechanical battery switch.
- Put a “DO NOT OPERATE” tag on the instrument panel.
- **Read the entire procedure before beginning to work.**



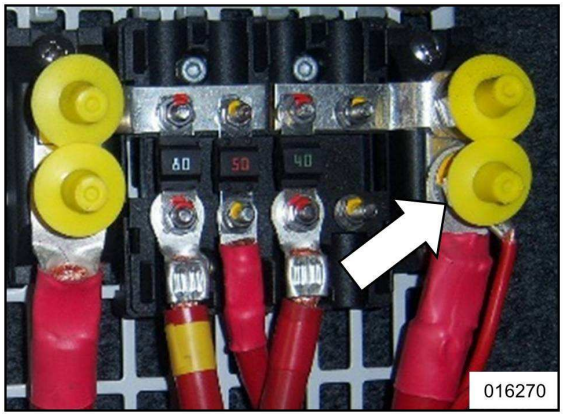
WARNING!

Observe safe shop practices at all times.

PROCEDURE:

Step	Action
1	**In battery compartment**: disconnect the ground cable clamp of the batteries.
2	**In junction box “Vanner” and junction box EKA:** check the concerned 6 mm^2 wires/terminal blocks for actual damage. a. Locate the “MP+(24V)” connecting stud in junction box “Vanner” and check the 6 mm^2 wire for actual damage. b. Locate terminal block DVB in junction box EKA. Check the terminal block and the 6 mm^2 wire for actual damage. c. Locate fuse holder ZB3 in junction box EKA and check the 6 mm^2 wire for actual damage. If necessary, order additional kit **VH11712318.** Fasten the red 6 mm^2 wire to the fuse holder with the screw and the curved spring washer. Tightening torque of fastening screw: 5 Nm (45 in.lbf). Seal the screw head with a drop of paint to indicate that the screw is properly torqued.

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3	**In junction box "Vanner":** disconnect the 6 mm^2 wire from the "MP+ (24V)" connecting stud. a. Remove the yellow protective cap from the "MP+(24V)" stud to which the concerned 6 mm^2 wire has been secured. b. Remove the nut securing the 6 mm^2 wire. c. Withdraw the 6 mm^2 wire from the stud. d. Re-install the nut on the "MP+(24V) stud. Tighten the nut to a torque of 35 Nm (26 ft.lbf). Seal the nut with a drop of paint to indicate that the nut is properly torqued. e. Reinstall the protective cap.  **Figure 4: Location of "MP+(24V) stud (marked with a tag)**
4	**In junction box "Vanner":** install the 30A MIDI fuse from the kit on the free position next to "MP+ (24V)" connecting stud. a. Cut off the original cable lug from the red 6 mm^2 wire. b. Strip the end of the red 6 mm^2 wire over a distance of 8 mm. c. Crimp the red 6 mm^2 wire to cable lug 11060885 from the kit by using the recommended crimping tool/die set. d. Remove the protective cover from the fuse block next to the "MP+ (24V) connecting stud. e. Remove the nuts and install the 30A MIDI fuse from the kit. f. Secure the cable lug of the red 6 mm^2 wire to the stud. g. Re-install the nuts on the studs of the fuse holder. Tighten the nuts to a torque of 4.5 Nm (40 in.lbf). Seal the nuts with a drop of paint as indication that the nuts are properly torqued. h. Re-install the protective cover.
5	Undo all preparatory precautionary measures.
6	Notify ABC Companies by mail. Write the text "SB1718 executed for VIN….." in the mail and send the mail to warranty@abc-companies.com.
7	**For ABC Companies only:** register through the registration button located behind the Service Bulletin on the Van Hool customer portal. Write the text "SB1718 executed"" in the field "Remark". Labor allowance will only be awarded after Van Hool has received the registration.

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WARRANTY:

1. Conditions

Van Hool accepts claims for this conversion as follows:

- **Compensation for labor hours:** 60 minutes
- **Campaign target date:** Service Bulletin issue date + 1 year

2. Claim references:

- **Job code**: O61718N
- **Claim submission:** Contact ABC Customer Care Warranty Department for guidance.
- **Monitoring and performance:** The claim records pertaining to this Bulletin will be used to determine that the remedy has been executed in accordance with the manufacturer's instructions and to evaluate the status of this Field Change Program.

DISCLAIMER:

The procedures contained herein are not exclusive. Van Hool cannot possibly know, evaluate, or advise the transportation industry of all conceivable ways in which a procedure may be undertaken or of the possible consequences of each such procedure. Other procedures may be as good, or better, depending upon the particular circumstances involved. Each carrier who uses the procedures herein must first satisfy itself thoroughly that neither the safety of its employees or agents, nor the safety or usefulness of any products, will be jeopardized by any procedure selected.

INFORMATION HANDLING:

Important additions and modifications regarding technical information not yet included in the manual will be communicated through Service Bulletin.

VAN HOOL CUSTOMER PORTAL:

Consult the customer portal regularly for the latest service documentation. Beside the maintenance manual, you will also find the operating manual and the spare parts catalogue of your vehicle on the customer portal. The customer portal is accessible through www.vanhool.be, and only with a code (password) from Van Hool. If you do not have a password yet, request it by using the link on the Van Hool website.