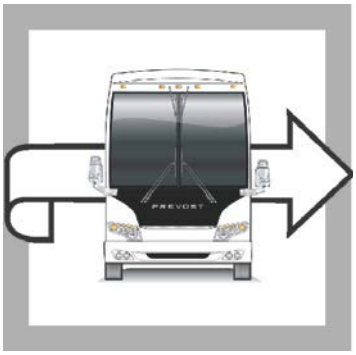

PREVOST

WARRANTY BULLETIN

WB17-16

DATE :	February 2018	SECTION :	06 ELECTRICAL
EXPIRATION:	February 2020		
SUBJECT :	C15 & C58 CONNECTOR BYPASS		

: :

APPLICATION

NOTICE TO SERVICE CENTERS

*Verify vehicle eligibility by checking warranty bulletin status with **SAP** or via **ONLINE WARRANTY SYSTEM** available on Service / Warranty tab of Prevost website.*

Model	VIN
X3-45 coaches Model Year : 2010 - 2014	The following individual vehicles: 2PCG33498**A**C72**9907**; 2PCG33491**A**C72**9926**; 2PCG33499**B**C72**9965**; 2PCG33491**B**C72**9992** And from 2PCG33491**B**C73**5002** up to 2PCG33492**E**C73**5563** incl.
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.	

DESCRIPTION

On the vehicles affected by this bulletin, remove selected wires from C15 and C58 of the HVAC system wiring, and place them in new connectors C15B and C58B. New connectors have a higher amp rating.

We recommend inspecting connectors C15 & C58 for heat damage before ordering parts. Depending on connector condition, order additional parts along with main kit. See **Additional Parts** table.

MATERIAL

Order kit number WB17-16**A** which includes the following parts:

Part No.	Description	Qty
561996	SEALING PLUG TYPE 12 & 16	22
N10273	PIN TERMINAL / 14-12	11
N10274	SOCKET TERMINAL / 14-12	11
564567	CONNECTOR / HDP20 SERIES / PH 8C	2
564568	CONNECTOR / HDP20 SERIES / SH 8C	2
563998	SEAL PLUG / AMP / 16-20	10

Additional Parts that may be required depending on vehicle condition:

Part No.		Description	Qty
563226	C58	C58 SOCKET HOUSING / DEUTSCH DT / 12C / GRAY	1
563613		C58 PIN HOUSING / DEUTSCH DT / 12C / GRAY	1
563228		SECONDARY LOCK / DT SERIES / SOCKET HOUSING	1
563654		SECONDARY LOCK / DT SERIES / PIN HOUSING 12C	1
562286		PIN TERMINAL DEUTSCH 18-16	12
561608		SOCKET TERMINAL DEUTSCH 18-16	12
563580	C15	C15 SOCKET HOUSING / AMP CPC SEAL / 37C	1
563581		C15 PIN HOUSING / AMP CPC SEAL/ 37C	1
561018		PIN TERMINAL AMP 18-14 (SIGNAL)	22
561001		SOCKET TERMINAL AMP 18-14 (SIGNAL)	22

NOTE
Material can be obtained through regular channels.

TOOLS

Figure 1 : 682447 Deutsch Crimp Tool

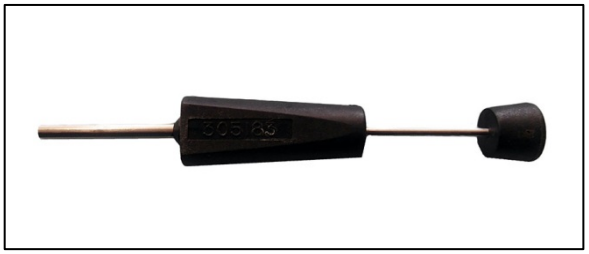

Figure 2: 681598 Amp Signal Terminal Extractor

Figure 3: 682254 Amp crimper
(For optional repairs)

Figure 4: 685166 Amp Power Terminal Extractor.

Figure 5: 90deg pick tool

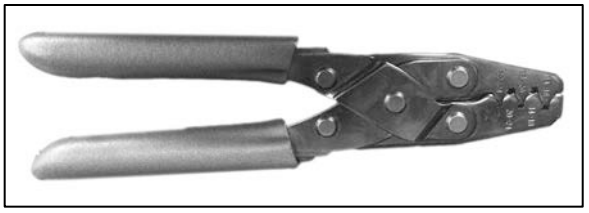

Figure 6: Open Barrel Crimping Tool 14-24 AWG
(For optional repairs)

S & G Tool Aid 18600 or equivalent

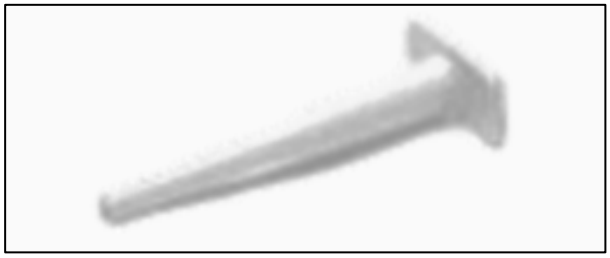

Figure 7: Removal tool, Deutsch

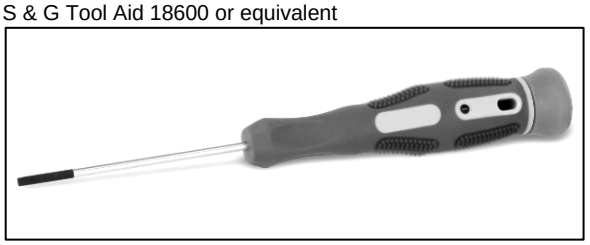

Figure 8: Small Flat Screwdriver

PROCEDURE

DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On the Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

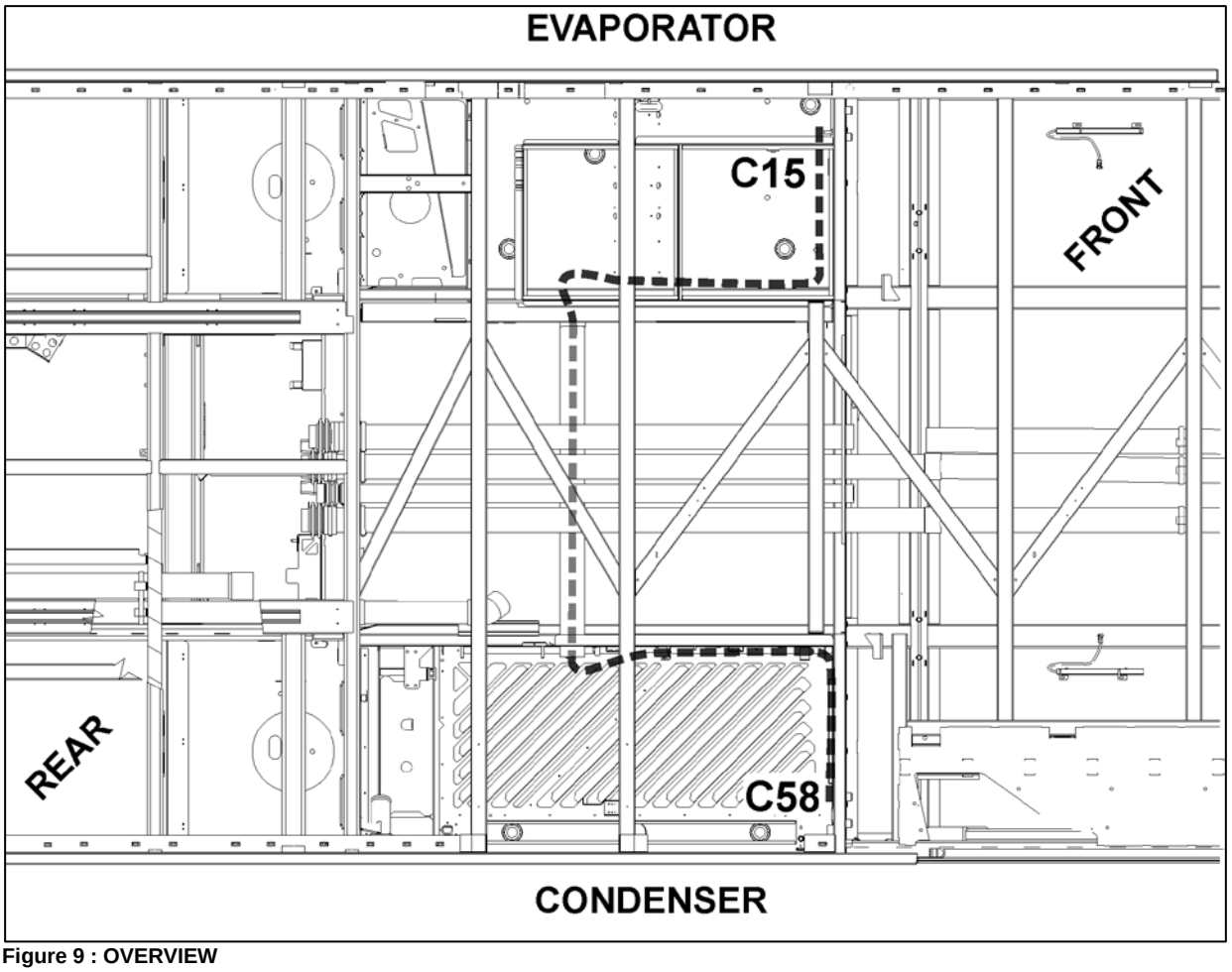

Figure 9 : OVERVIEW

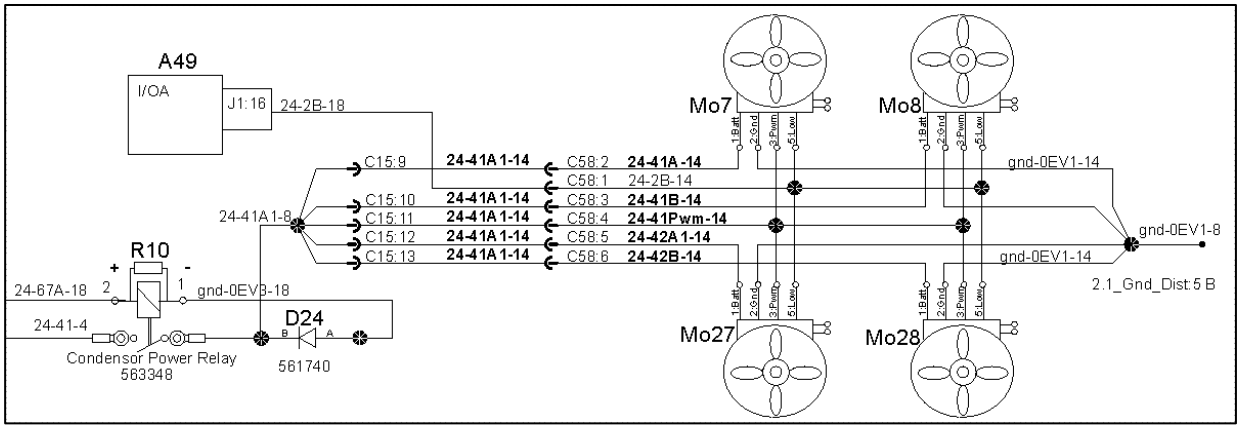

Figure 10 : ELECTRICAL DIAGRAM

PART "A" : C15 Connector

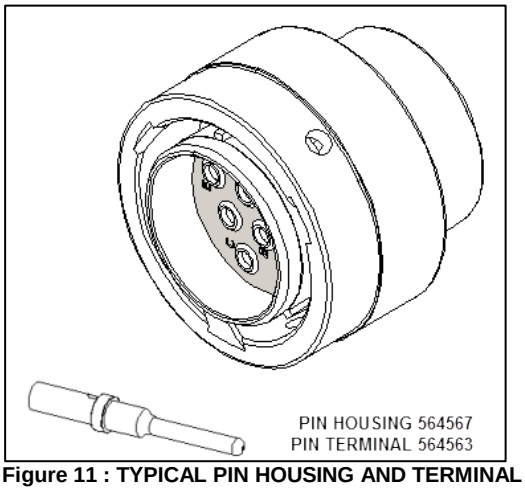

Figure 11 : TYPICAL PIN HOUSING AND TERMINAL

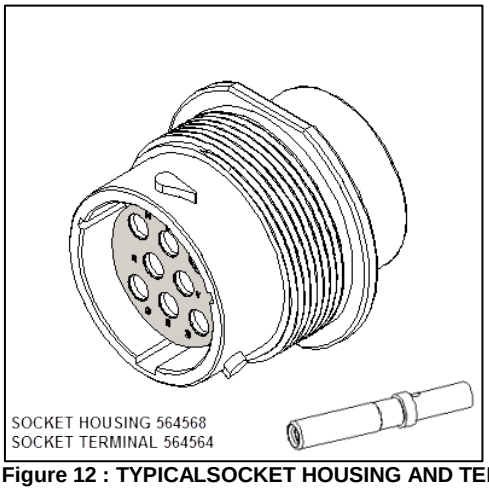

Figure 12 : TYPICALSOCKET HOUSING AND TERMINAL

A1. Locate connector C15 in the evaporator compartment.

A2. Harness and connector is attached along the left side of the evaporator fan enclosure.(Figure 13)

Figure 13: C15 General Location

A3. Remove cable ties to free harness and connector. (Figure 14)

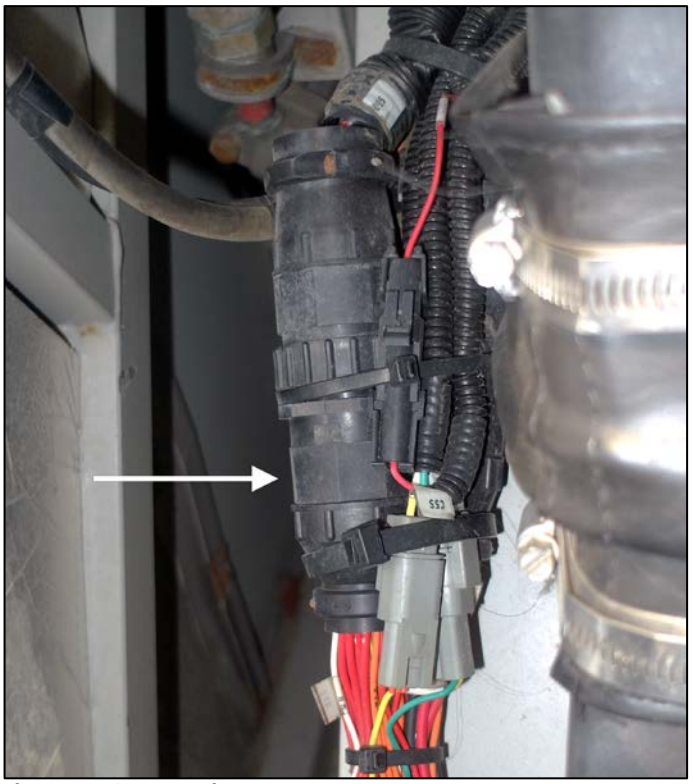

Figure 14: C15 Location

A4. Remove **41A1** wires from the following cavities on each mating **C15** connector.

C15 CAVITY	WIRE
9	41A1
10	41A1
11	41A1
12	41A1
13	41A1

A5. Use tool **681598** to release the pins from C15. This is done from the front of the connector.

A6. Inspect C15 connector for heat damage. Replace connector and pins if required.

A7. Insert sealing plugs **563998** in C15 cavities 9, 10, 11, 12, 13.

A8. On each wire, remove terminals, strip and crimp new terminals **N10273** pin / **N10274** socket.

Insert the wires in new C15B (**564567 564568**) connector cavities.

C15B CAVITY	WIRE
B	41A1
C	41A1
D	41A1
E	41A1
F	41A1

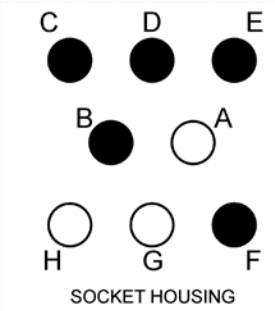

Figure 15 :C15B SOCKET HOUSING BACK VIEW PINOUT

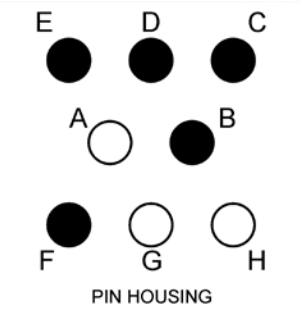

Figure 16 : C15B PIN HOUSING BACK VIEW PINOUT

A9. Insert sealing plugs **561996** (6x) in the empty C15B cavities.

A10. Reconnect C15 & C15B. Secure with cable ties.

Figure 17

STOP BEFORE PROCEEDING TO PART "B" OF BULLETIN

Vehicles from D-5390:

Locate C58. Refer to Figure 19 for general location of C58.

Visually confirm an *improved* connector (Figure 18) is already installed in this location.

This confirms the improvement is already implemented on this vehicle.

If confirmed: *End of bulletin*.

If the *former* connector is present alone, proceed to part "B", disregarding vehicle number.

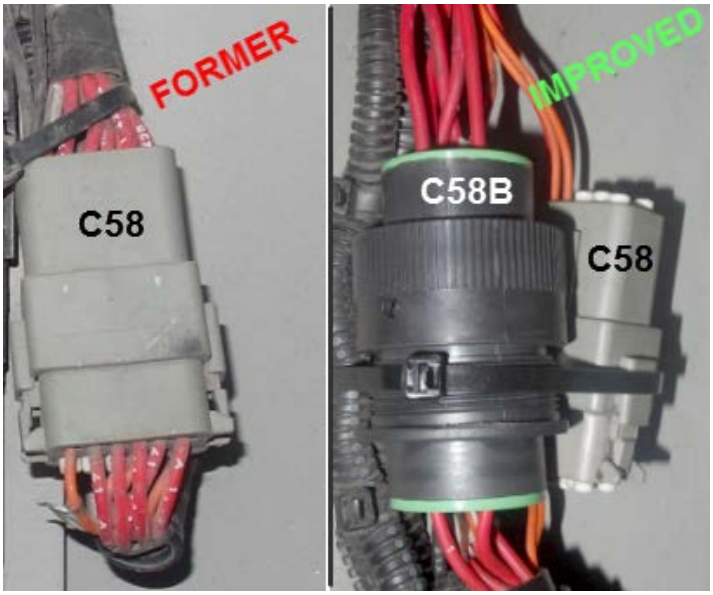

Figure 18 : C58 ARRANGEMENT "FORMER" AND "IMPROVED"

Vehicles up to D-5389: Proceed normally to part "B".

PART "B": C58 Connector

(Vehicles up to D-5389)

B1. Locate connector C58 in the condenser compartment.

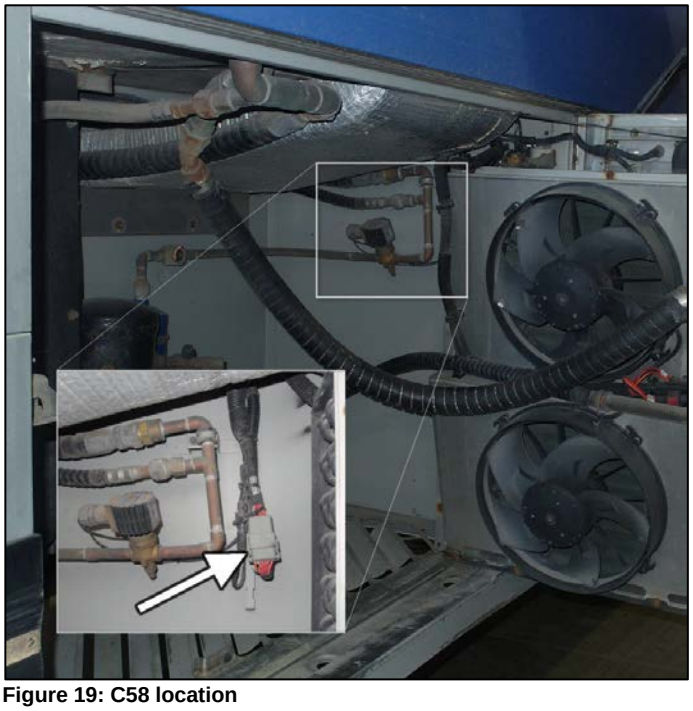

Figure 19: C58 location

B2. Harness is located along the top of the right (front) wall of the condenser compartment. (Figure 19,Figure 20)

Figure 20: C58

B3. Remove cable ties to free harness and connector (Figure 21).

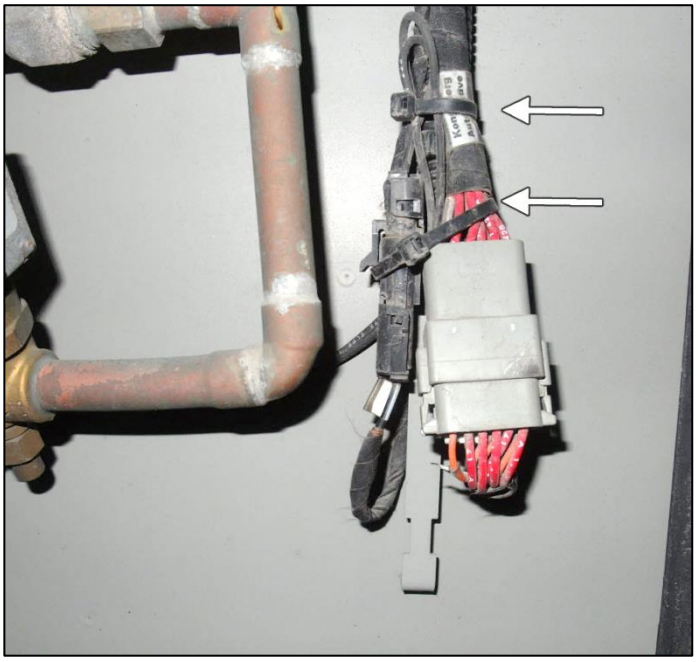

Figure 21: Cable ties C58

B4. Connector pair **C58:** Remove wires from the following cavities on each mating connector. (Figure 22)

If required, refer to wiring diagram (Figure 10)

Socket Wire ID	C58 CAVITY	Pin Wire ID
41A1	2	41A
41A1	3	41B
41A1	4	41PWM
41A1	5	42A1
41A1	6	42B

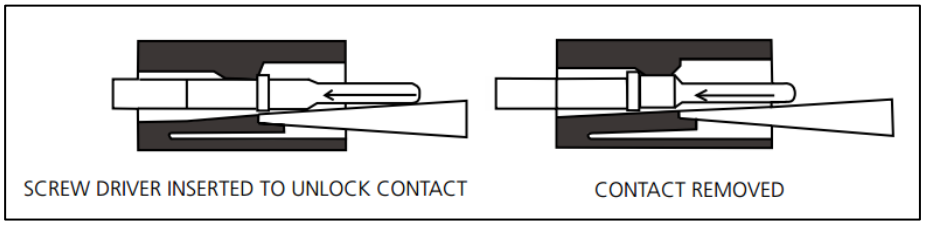

Figure 22: Terminal removal (Image: Deutsch)

B5. Inspect C58 connector for heat damage. Replace connector and pins if required

B6. On each wire, remove terminals, strip and crimp new terminals **N10273** pin / **N10274** socket.

B7. Insert the wires in the following C58B (**564567 564568**) cavities.

C58B CAVITY	WIRE
B	41A
C	41B
D	41PWM
E	42A1
F	42B

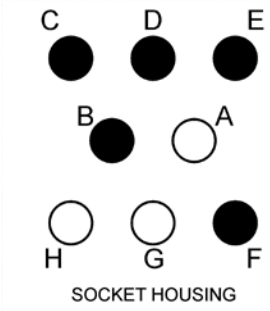

Figure 23 :C58B SOCKET HOUSING

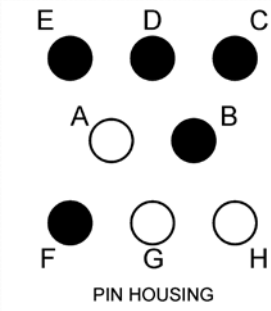

Figure 24 : C58B PIN HOUSING

B8. Insert sealing plugs **561996** (10x) in the empty C58 cavities.

B9. Insert sealing plugs **561996** (6x) in the empty C58B cavities.

B10. Reconnect C58 & C58B. Secure with cable ties.

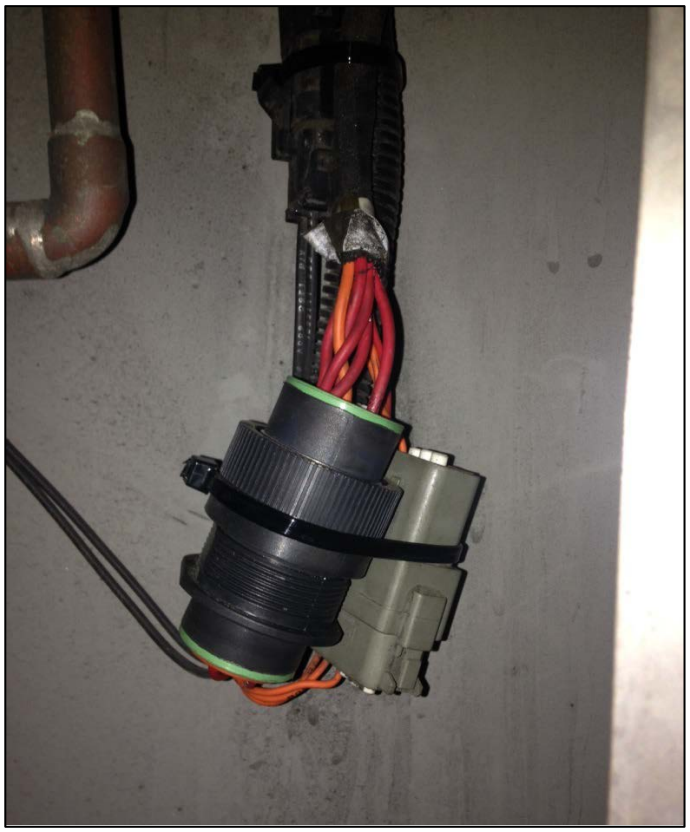

Figure 25

PARTS / WASTE DISPOSAL

DO NOT RETURN THE REPLACED PARTS. Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevost's normal warranty. We will reimburse you the parts and one and a half hour(s) (1 1/2h) of labor for parts **A** & **B** *or* one hour (1h) plus parts for part **A** only (for vehicles from D-5390) upon receipt of a warranty claim. Please submit claim via our Online Warranty System, available at www.prevostcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select ''Warranty Bulletin WB17-16 ".

OTHER

VBC Bulletin	N/A
Fail Code	06.15
Defect Code	09
Syst. Cond	B
Causal Part	068131

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