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C15 & C58 CONNECTOR BYPASS

Prevost vehicles

## DESCRIPTION

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

## MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS		
Verify vehicle eligibility by checking warranty bulletin status with <b>SAP</b> or via <b>ONLINE WARRANTY SYSTEM</b> available on Service / Warranty tab of Prevost website.		
Model	VIN	Fleet Number
X3-45 Commuter Model Year : 2012	From 2PCG33495CC735053 up to 2PCG33495CC735232 incl.	From 2400 up to 2489, 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.		

## MATERIAL NEEDED

Order kit number SP17-305 which includes the following parts:

Part No.	Description	Qty
561996	SEALING PLUG TYPE 12 & 16	10
564563	PIN TERMINAL / 14-12	11
564564	SOCKET TERMINAL / 14-12	11
564567	CONNECTOR / HDP20 SERIES / SH 8C	2
564568	CONNECTOR / HDP20 SERIES / SH 8C	2

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Other parts that may be required depending on vehicle condition:

<b>Part No.</b>	<b>Description</b>	<b>Qty</b>
563226	C58 SOCKET HOUSING / DEUTSCH DT / 12C / GRAY	1
563613	C58 PIN HOUSING / DEUTSCH DT / 12C / GRAY	1
563580	C15 SOCKET HOUSING / AMP CPC SEAL / 37C	1
563581	C15 PIN HOUSING / AMP CPC SEAL/ 37C	1
563228	SECONDARY LOCK / DT SERIES / SOCKET HOUSING 12C	1
563654	SECONDARY LOCK / DT SERIES / PIN HOUSING 12C	1
562286	Pin terminal Deutsch 18-16 / DEUTSCH 0460-202-16141	12
561608	Socket terminal Deutsch 18-16 / DEUTSCH 0462-201-16141	12
561018	Pin terminal Amp 18-14 / SIGNAL CONTACT / AMP 66602-1	22
561001	Socket terminal Amp 18-14 / SIGNAL CONTACT / AMP 66601-1	22

**NOTE**

*Material can be obtained through regular channels.*

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## TOOLS



Figure 1 : 682447 Deutsch Crimp Tool



Figure 2: 681598 Amp Signal Terminal Extractor



Figure 3: 682254 Amp crimper



Figure 4: 685166 Amp Power Terminal Extractor.

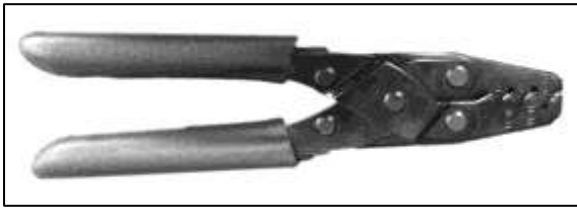


Figure 5: Open Barrel Crimping Tool 14-24 AWG

S & G Tool Aid 18600 or equivalent



Figure 6: Small Flat Screwdriver

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## 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 Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

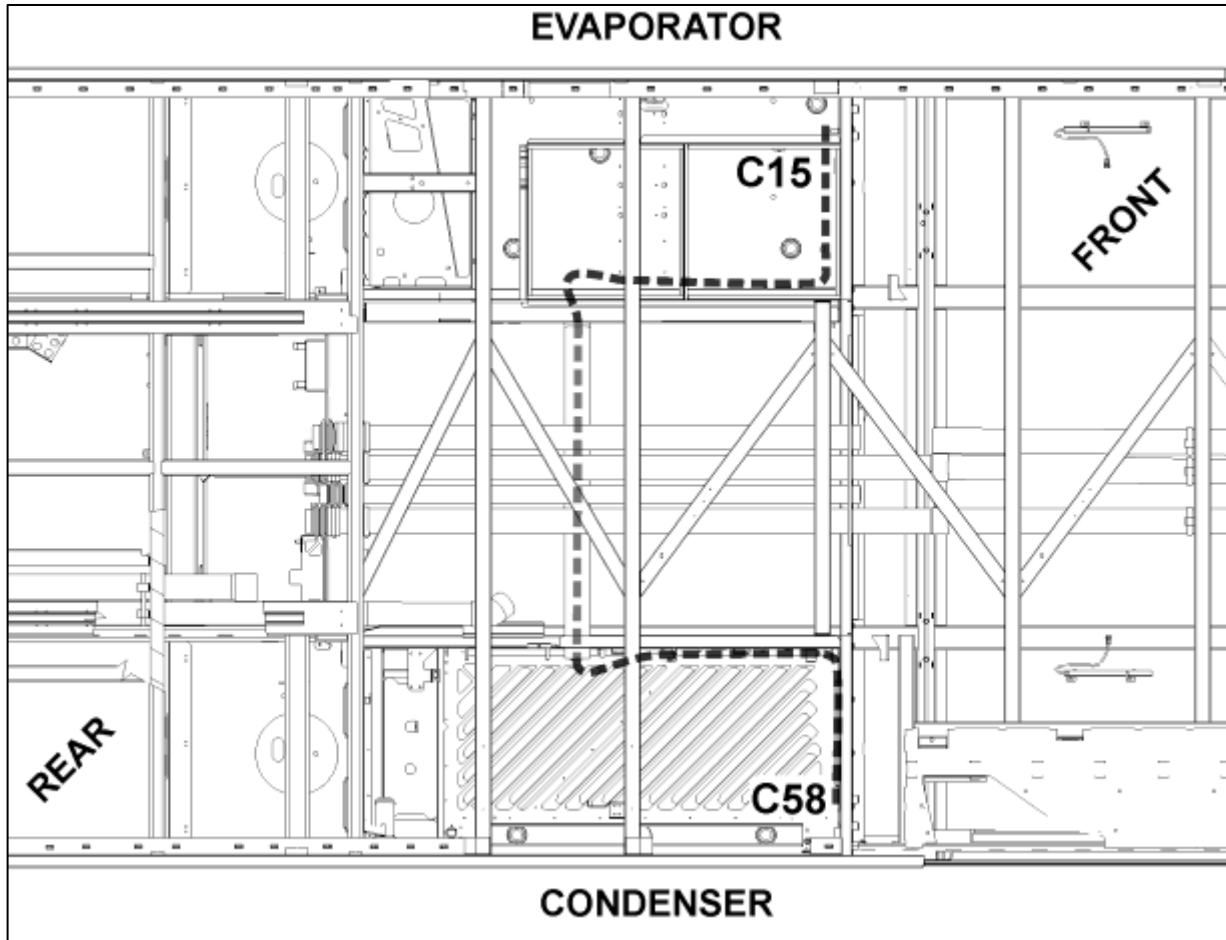
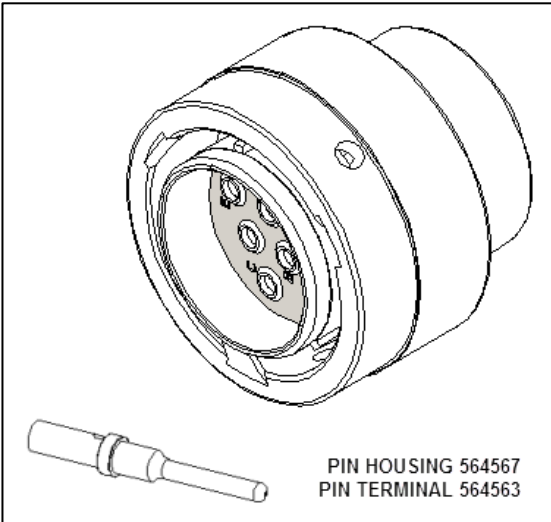
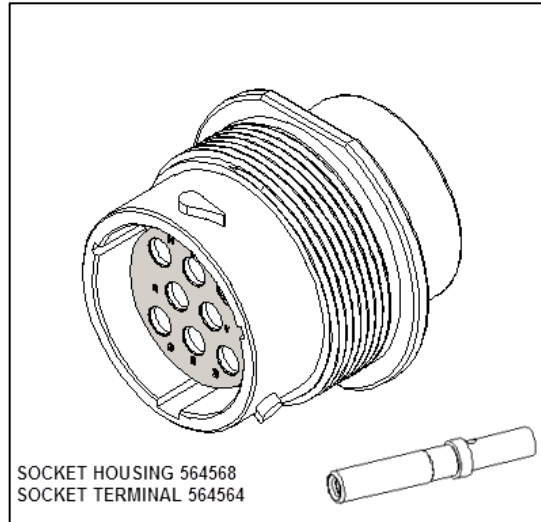


Figure 7 : OVERVIEW

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**Figure 8 : PIN HOUSING AND TERMINAL**



**Figure 9 : SOCKET HOUSING AND TERMINAL**

1. Locate connector C15 in the evaporator compartment.
2. Harness and connector is attached along the left side of the evaporator fan enclosure.(Figure 10)



**Figure 10**

3. Remove cable ties to free harness and connector. (Figure 11)
4. Inspect C15 connector for heat damage.
5. Replace connector and pins if required.

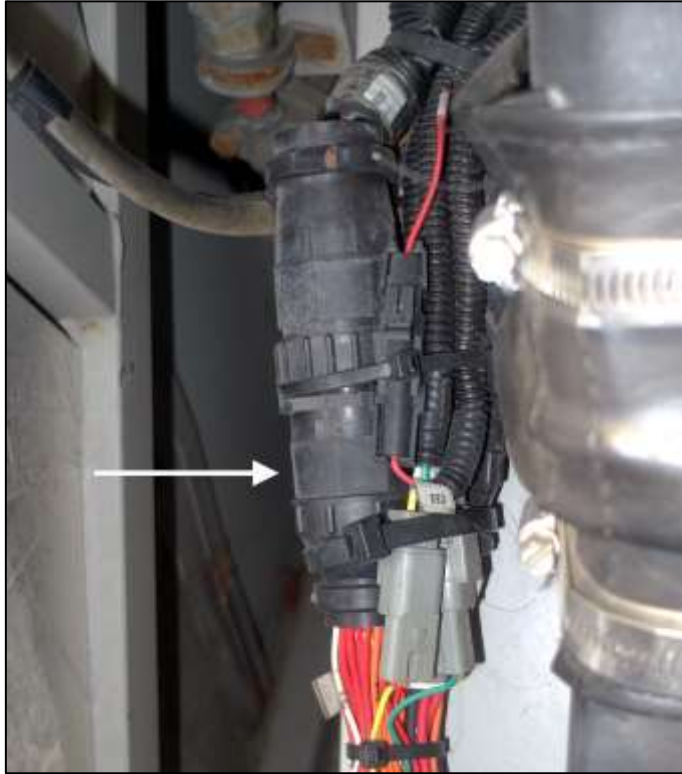


Figure 11

6. 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

7. C15 is an AMP CPC type 1 connector, use tool 681598 to release the pins. This is done from the front of the connector. (

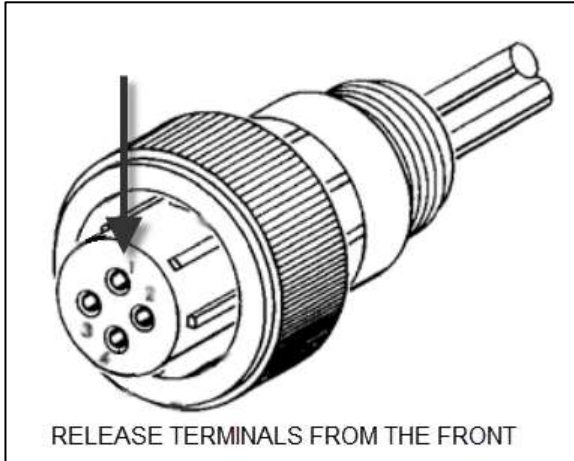


Figure 12)

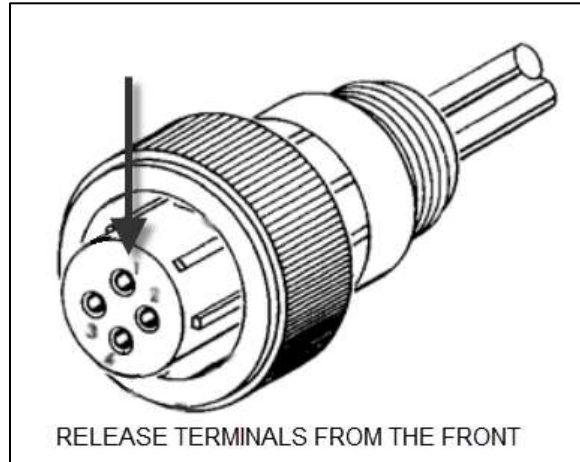


Figure 12: C15 Amp CPC type 1 Contact Release

8. On each wire, remove terminals, strip and crimp new terminals 564563 pin / 564564 socket. Insert the wires in the new C15B connector cavities.

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

9. Insert sealing plugs 561996 in the empty C15B cavities.  
10. Reconnect C15 & C15B. Secure with cable ties.

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11. Locate connector C58 in the evaporator compartment.



Figure 13

12. Harness is located along the top of the right wall of the condenser compartment. (Figure 13, Figure 14)



Figure 14: C58

13. Remove cable ties to free harness and connector.(Figure 15)

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



Figure 15: C58

15. Connector pair **C58**: Remove cables from the following cavities on each mating connector. (Figure 16)

C58 CAVITY	WIRE
1	2B
2	41A
3	41B
4	41PWM
5	42A1
6	42B

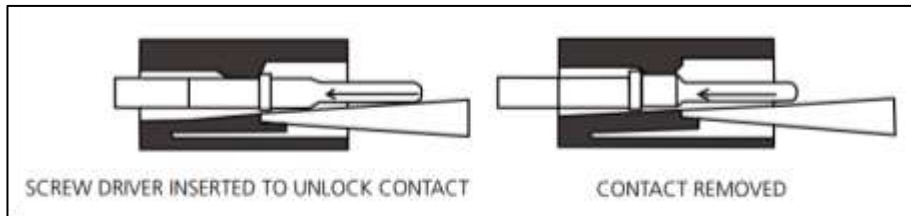


Figure 16: Terminal removal (Image: Deutsch)

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16. On each wire, remove terminals, strip and crimp new terminals 564563 pin / 564564 socket. Insert the wires in the following C58B cavities.

C58B CAVITY	WIRE
A	2B
B	41A
C	41B
D	41PWM
E	42A1
F	42B

17. Insert sealing plugs 561996 in the empty C58B cavities.  
18. Reconnect C58 & C58B. Secure with cable ties.

## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

## ESTIMATED TIME

The time required to perform this special bulletin is approximately 1h30 hour.

## OTHER

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

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