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R26 RELAY REMOVAL AND WATER PUMP GROUND MODIFICATION

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, remove relay R26, isolate and/or reconnect wires according to the wiring diagram D061670 P18.2 revision 8. Also move water pump ground connection to the electronic ground pin A54 J2.14 and rename circuit gnd-0EVAP2-14.

MODEL YEARS AND VEHICLES INVOLVED

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 VIP commercial use Model Year : 2017	2PCCS3493HC736145	2PCCS3491HC736192
	2PCCS3495HC736180	2PCCS3493HC736193
	2PCCS3490HC736183	2PCC33490HC736195
	2PCCS3492HC736184	2PCCS3499HC736201
	2PCCS3496HC736186	2PCCS3494HC736204
	2PCCS3498HC736187	2PCCS3496HC736205
	2PCCS3491HC736189	2PCCS3499JC736219
	2PCCS349XHC736191	
X3-45 VIP motorhomes Model Year : 2017 - 2018	2PCBS349XHC736199	2PCBS3496JC736223
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery.		

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MATERIAL NEEDED

Order kit # SP17-18 which includes the following parts:

Part No.	Description	Qty
563286	Electrical wire TXL 18 gage orange (m)	1
562585	Electrical wire TXL 14 gage black (ft)	2
563685	Terminal male AMP MCP 2.8 (20-16)	2
561608	Socket terminal / 18-16	2
560784	Shrink tubing double wall / 0.25" – 0.08" (ft)	0.5
563752	Terminal male AMP MCP 2.8 (16-14)	2
562482	Socket terminal / 16-14	2

Other parts that may be required:

Part No.	Description	Qty
504637	Nylon tie	4

NOTE

Material can be obtained through regular channels.

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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.

1. Locate Relay R26 into the evaporator compartment.

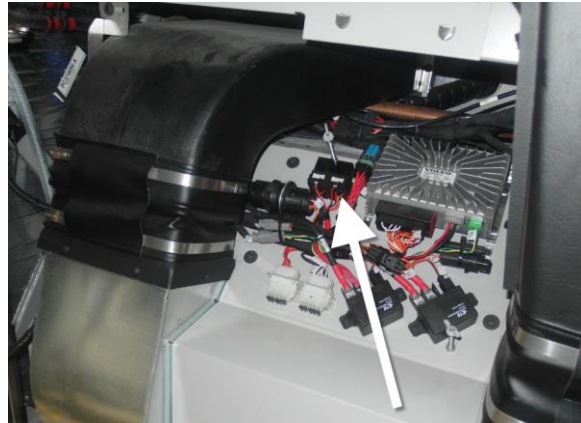


Figure 1

2. Remove relay R26 from its base. You do not need a special tool for this operation. You just pull it out upward.

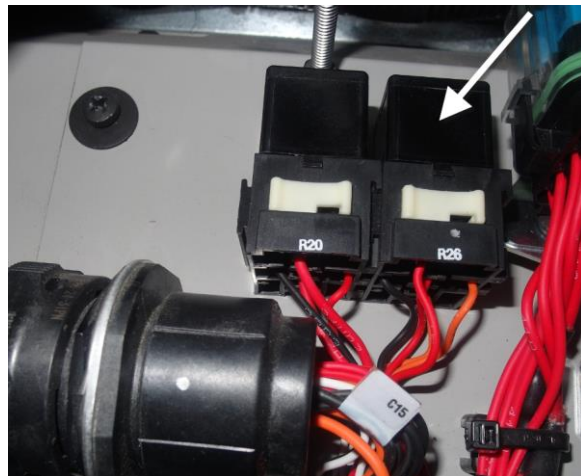


Figure 2

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- Remove black tape around the wiring. Be careful to avoid any wiring damage with the knife.
- Remove the screw from the R26 relay base.

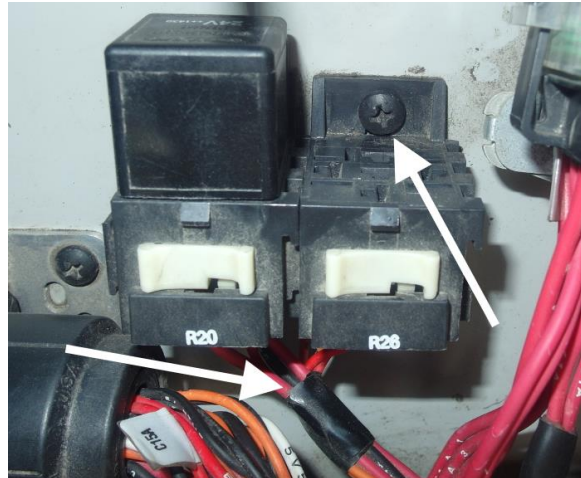


Figure 3

- Slide out the R26 relay base.

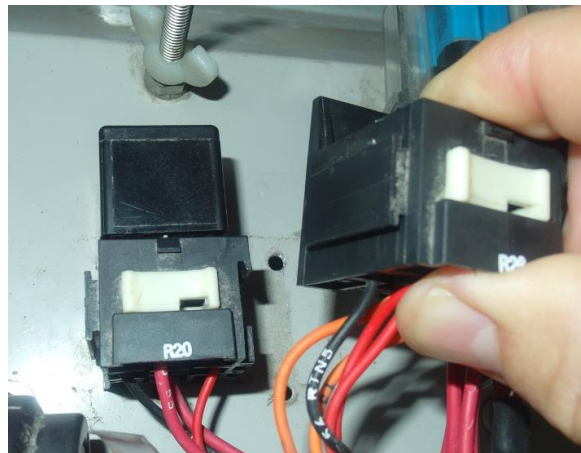


Figure 4

- Cut circuit R26.85 and circuit R26.86 close to the R26 relay base to keep a length of wire for the next step. Connection ID is written on the relay.

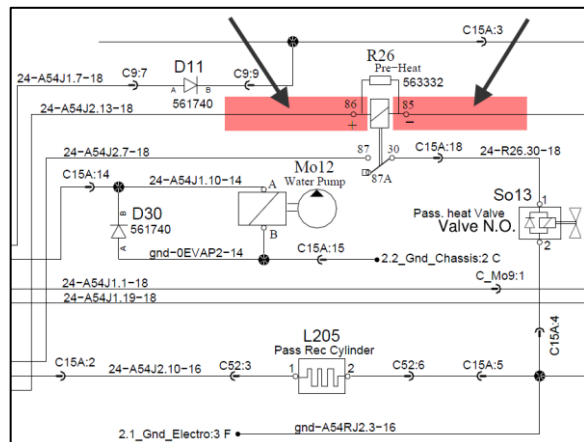
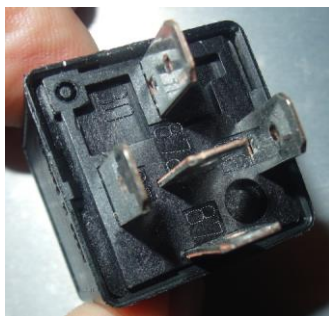


Figure 5

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- Isolate the two cut wires with 1.5" length of shrink tubing part # 560784. Insert wire $\frac{3}{4}$ " into the shrink tubing before eating it.

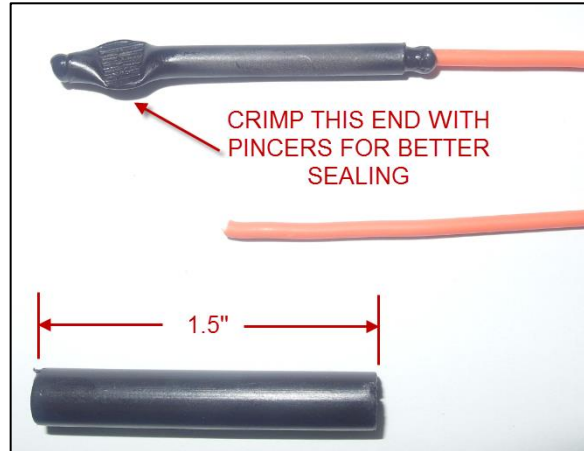


Figure 6

- Locate connector C15A into the evaporator compartment.

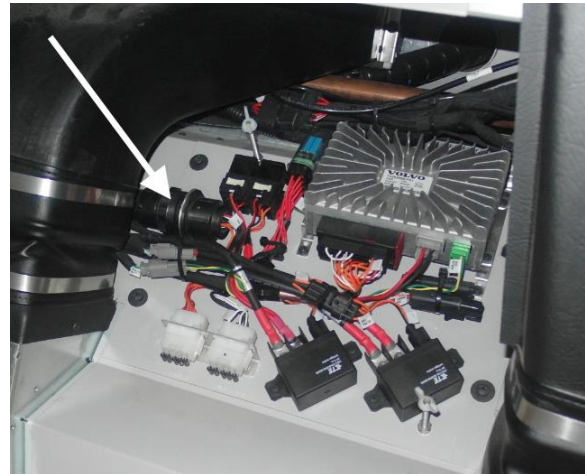


Figure 7

- Cut circuit R26.30 from R26 relay base and disconnect it from connector C15A:18. Use blue extractor # 682321 for the extraction of the terminal in connector C15A.

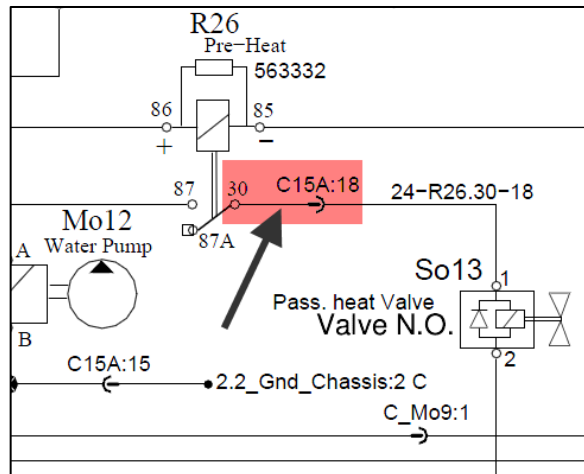


Figure 8

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- Use a P-Touch printer to make a label with the new name of this wire 24-AE54J2.7-18. Install this label on the wire between C15A18 and port 1 of So13 valve.

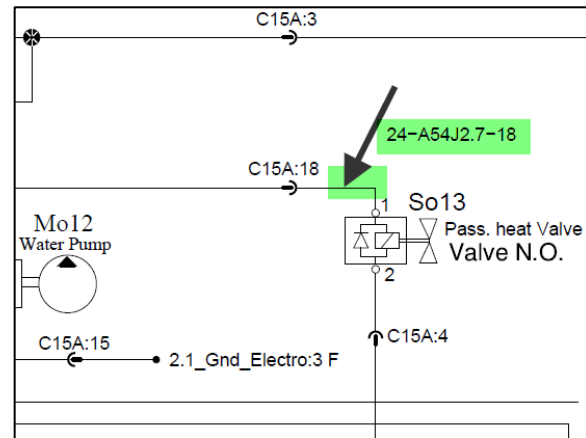


Figure 9

- Cut wire 24-A54J2.7 from R26-87 and disconnect this wire from AE54J2.7 module connection.

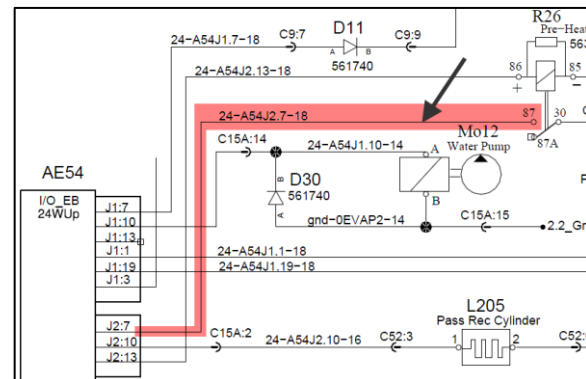


Figure 10

- Cut the black wire 16" long.
- Install terminals on this wire as shown on Figure 11. Use tool #682447 for the crimping of the terminal #562482.

NOTE

Use the right terminal with the right wire.

Terminal #563752 is for black wire and it has longer tabs than terminal 563682.

Socket terminal #562482 is for black wire and it has a green line on its side compare to terminal #561608.



Figure 11

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14. Cut orange wire 16" long.
15. Install terminals on the orange wire as shown on Figure 12. Use tool #682447 for the crimping of the terminal #561608.



Figure 12

16. Connect orange wire from the kit to AE54J2.7 and C15A:18.
17. Use a P-Touch printer to make a label with the name of this circuit 24-AE54J2.7-18. Install this label on this orange wire.

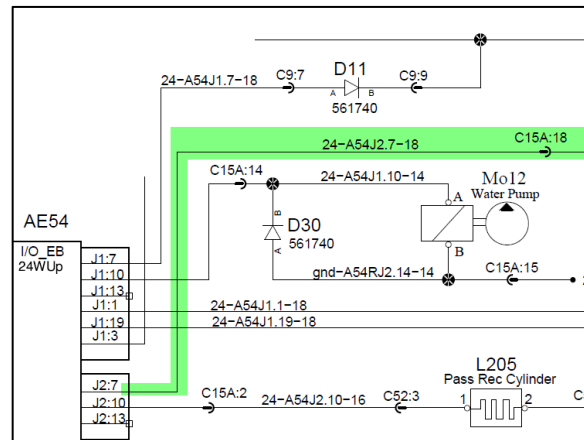


Figure 13

18. Disconnect wire 2.2_Gnd_Chassis:2 C from connector C15A:15.
19. Cut the terminal.
20. Isolate the wire as shown in step 7.

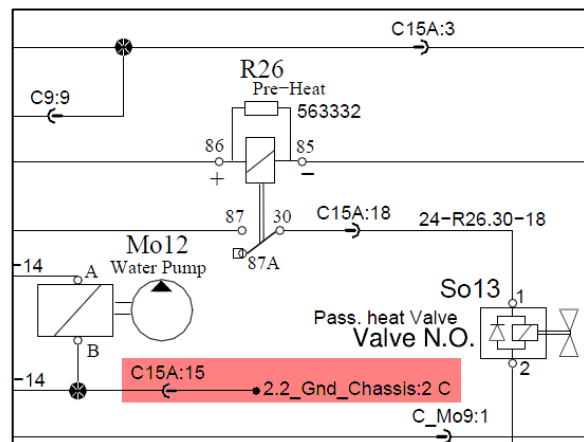


Figure 14

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21. Connect the black wire form the kit to connector C15A:15 and to the Module AE54J2-14.
22. Use a P-Touch printer to make a label with the new name 2.1_Gnd_Electro:3F. Install this label on this black wire.

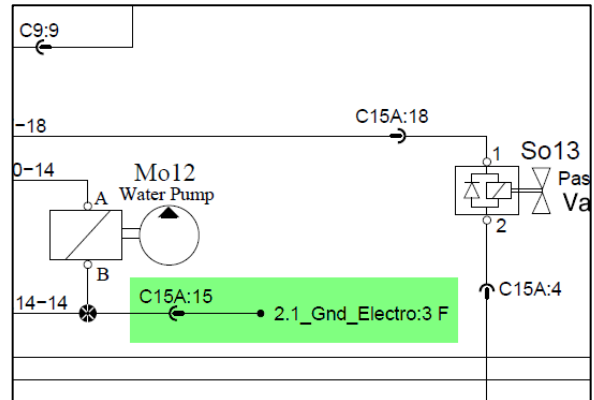


Figure 15

23. Rename wire gnd-OEVAP2-14. The new name is gnd-A54RJ2.14-14. Use a P-Touch printer to make a label and install this label on this.
24. If necessary, use nylon ties to fixe wires together.
25. Bulletin is complete.

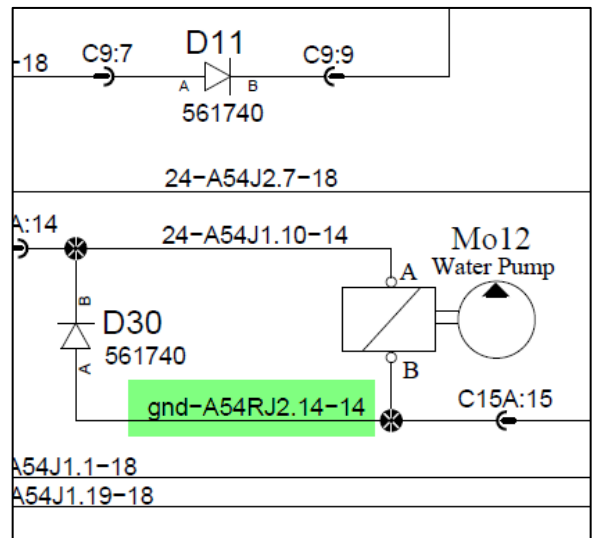


Figure 16

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PARTS / WASTE DISPOSAL

Keep relay as spare part and discard waste according to applicable environmental regulations
(Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is approximately 45 minutes.

OTHER

VBC Bulletin	N/A
Fail Code	06.15
Defect Code	09
Syst. Cond	B
Causal Part	563332

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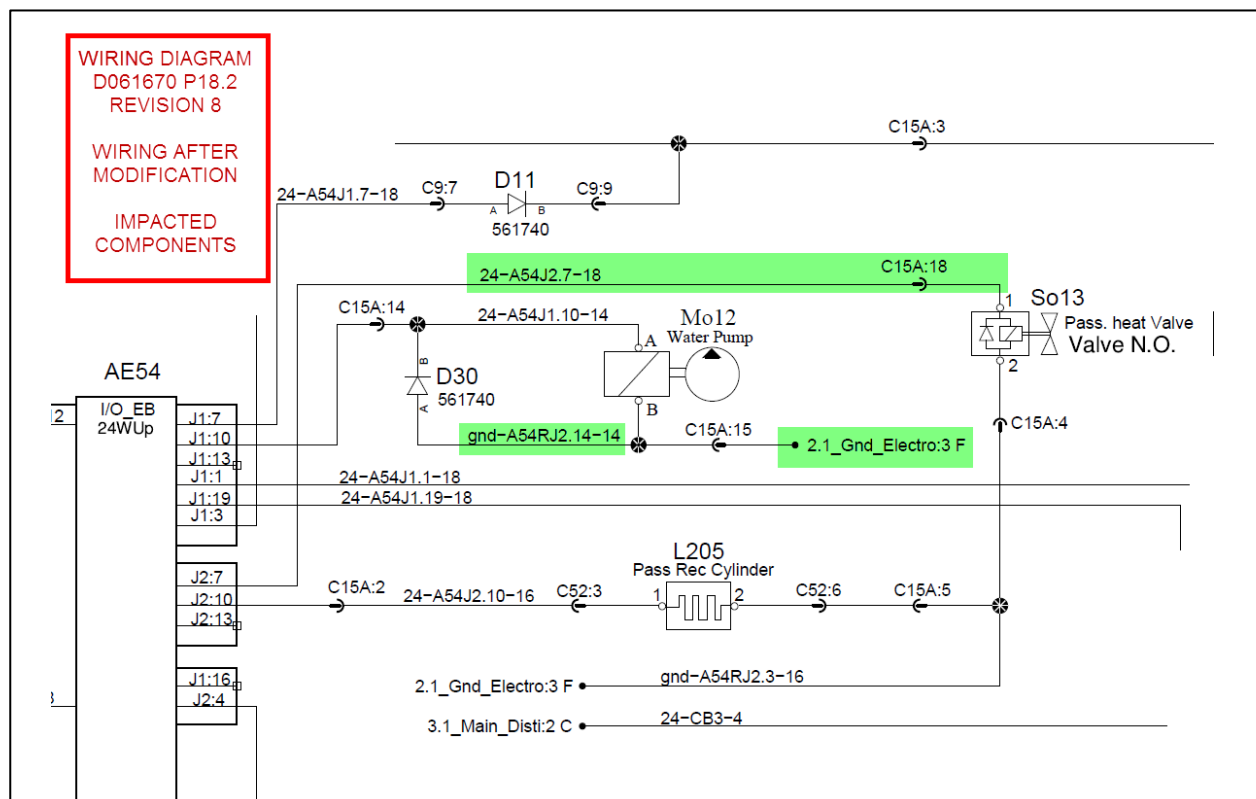
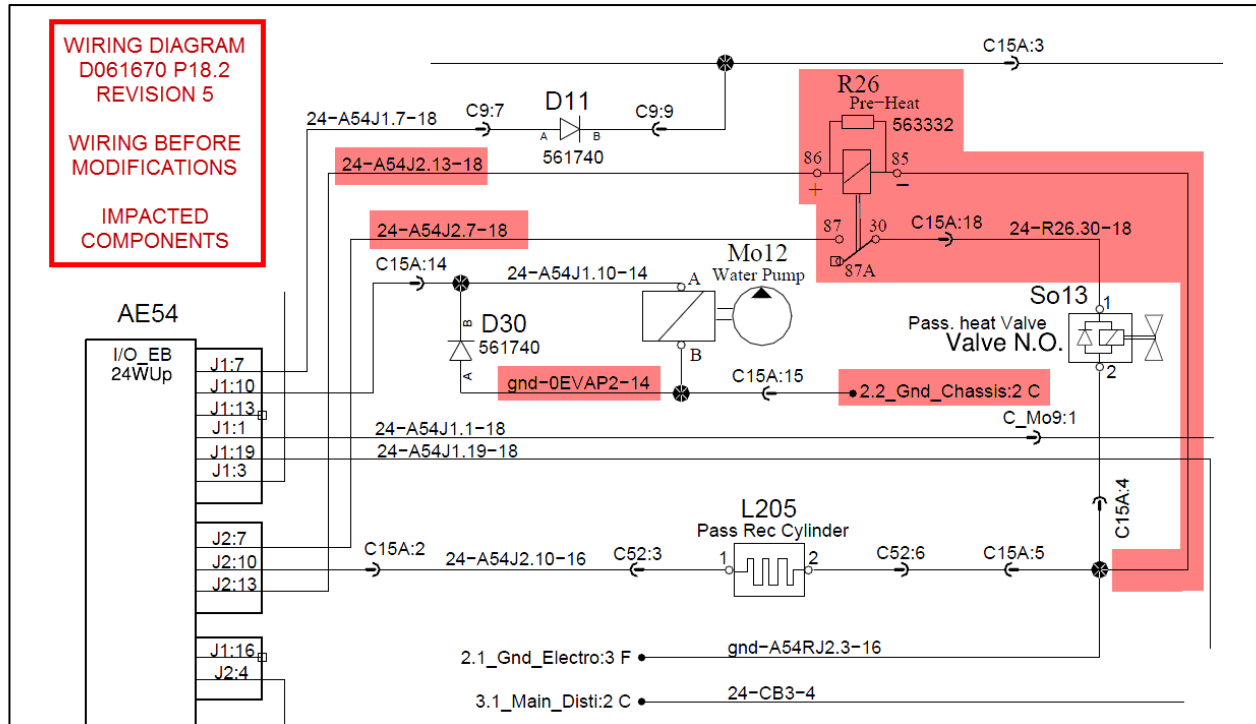
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APPENDIX A (impacted components)



APPENDIX B (Wiring diagram D061670 Page 18.2, rev.8)

