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TITLE: ADDITION OF A POWER RELAY TO THE INVERTER SYSTEM WIRING
Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, addition of a power relay to the inverter system wiring is required.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS	
Vehicles are notified for tracking only. Not covered by warranty. Verify vehicle notification with SAP .	
Model	VIN
X3-45 Commuter Model Year : 2012	2PCG33495CC735053 up to, including 2PCG33495CC735232
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery.	

Please refer to SAP for most recent information about outstanding vehicles

MATERIAL

Kit #068068 includes the following parts:

Part No.	Description	Qty
560422	Junction block 3/8"	1
500957	Tapping screw #10 x 3/4	6
500379	Hex nut, 3/8	2
563348	R72 Power relay, 200A	1
5001182	Hex nut, M6	2
068494	Cable 24PVA	2
502573	Flat washer	2
504013	Tie mount base 1/4"	2
504637	Nylon tie 368mm	10
068655	Wiring harness, Cable invert, relay added	1

NOTE
Material can be obtained through regular channels.

PROCEDURE

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DANGER

Park vehicle safely, apply parking brake, stop engine. In the battery box, set the battery cut-off switch to the OFF position prior to working on the vehicle.

1. Disconnect batteries.
2. Open the access door located in the vehicle on the back wall.



3. Verify there is no power on the 24VD post.

Lift the rubber boot and test with an appropriate tool.



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4. Remove the two 24VD wires connected to this post.



5. Install single junction block #560422. In this location.
Use tapping screws #500957.



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6. Connect the previously removed 24VD wires to the new post.
7. Move existing 24VI PP1 wire #068136 to 24VD post.
8. Keep 24VI PP1 (#068253) on the post

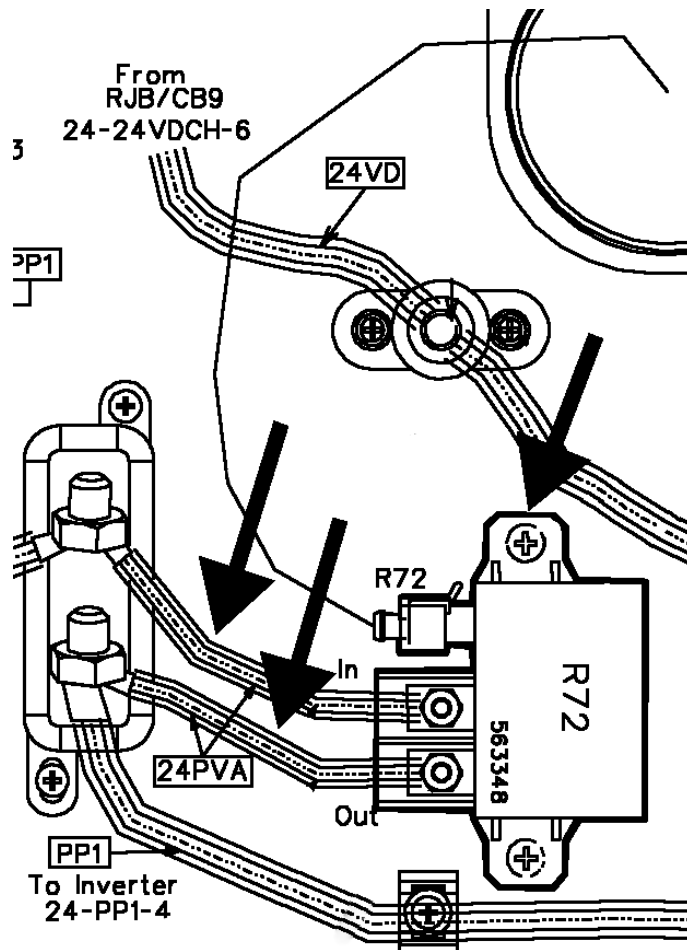


9. Install #563348 R72 power relay in battery charger / equalizer compartment.

Place relay in front of the double post. Refer to image for orientation and approximate position.

Install with tapping screws #500957.

10. Connect the two wires 24PVA #068494 provided with kit to the dual posts.
11. Connect other end of 24PVA to relay using washers #502573 and nuts #5001182.



12. Add tie mount bases #504013 as required to manage new cable layout.

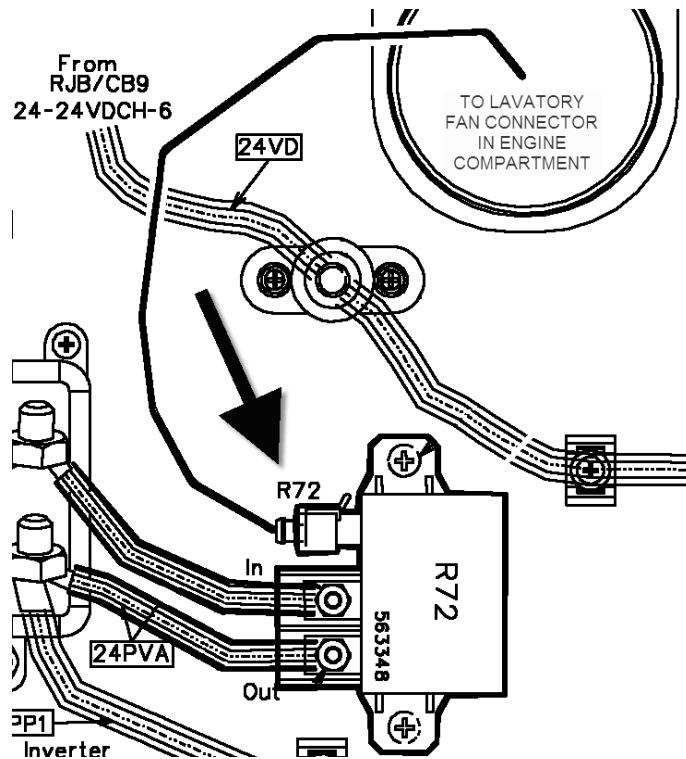
Install with tapping screws #500957.

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Routing cable #068655 from kit

Cable #068655 will be routed from engine compartment up to the battery charger / equalizer compartment.

13. Slip R72 connector from the engine compartment through cuff bellows up to the battery charger / equalizer compartment.
14. Connect R72 connector to the relay
15. Route other end of cable #068655 through the engine compartment towards the lavatory fan.



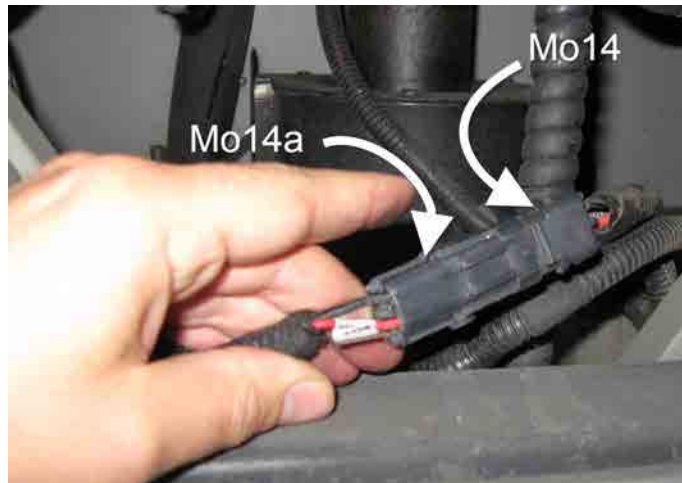
16. In the upper right corner of the engine compartment, locate the lavatory fan.
17. Follow fan power cable up to Mo14 connector. Unplug Mo14 lavatory exhaust fan connector.



18. Connect Mo14 from #068655 cable to Mo14 from lavatory exhaust fan

Connect Mo14a from #068655 cable with Mo14 on vehicle side harness.

Support harness as required with cable ties.



19. Test proper operation of power relay R72.

R72 must be closed with engine running only.

Inverter should be powered on with engine running only.

PARTS / WASTE DISPOSAL

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

VEHICLES ARE NOTIFIED FOR TRACKING ONLY. NOT COVERED BY WARRANTY

Labour: 1 hour / vehicle

Fixed price for parts and labour: refer to SAP

To be charged to customer account 222871

OTHER

VBC Bulletin	N/A
Fail Code	06.23
Defect Code	09
System Condition	N/A
Causal Part	563082