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DIODE ADDITION TO 24CO CIRCUIT
Prevost vehicles

DESCRIPTION

On the vehicles affected by this special bulletin, add a 3 amp diode to the corresponding 24CO circuit to prevent the combined charging and starting system F81 fuse from blowing.

MODEL YEAR(S) AND VEHICLES INVOLVED

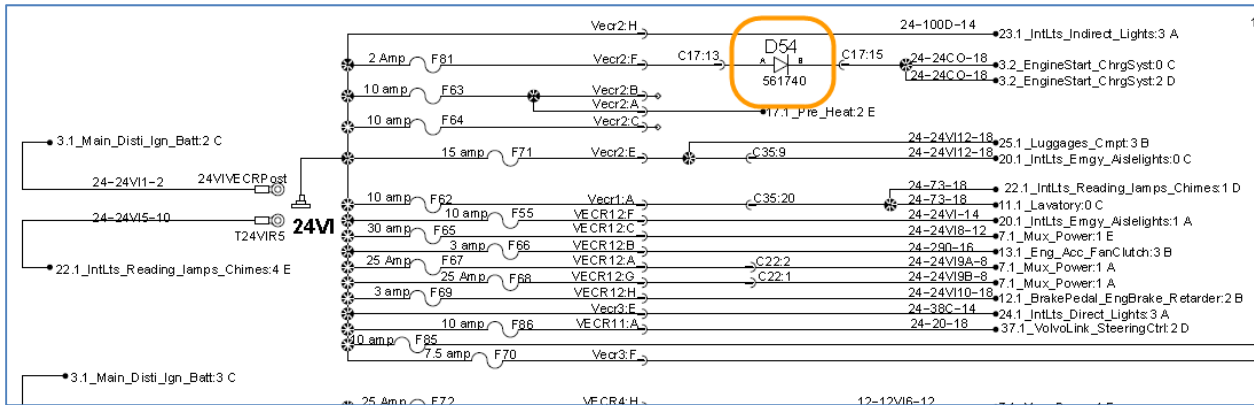
NOTICE TO SERVICE CENTERS <i>Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.</i>			
The following H3 Coaches, Model Year: 2011 – 2013			
2PCH33497BC711811	2PCH33491CC711885	2PCH33499CC712041	2PCH33490CC712056
2PCH33499BC711812	2PCH33493CC711970	2PCH33492CC712043	2PCH33492CC712057
2PCH33490BC711813	2PCH33495CC711971	2PCH33496CC712045	2PCH33493DC712151
2PCH33492BC711814	2PCH33497CC711972	2PCH3349XCC712050	
2PCH33494BC711815	2PCH33499CC711973	2PCH33495CC712053	
2PCH3349XCC711884	2PCH33497CC712040	2PCH33499CC712055	
The following X3-45 Coaches, Model Year: 2011 - 2013:			
2PCG33497BC735005	2PCG33499BC735037	2PCG33494CC735111	2PCG3349XCC735260
2PCG33499BC735006	2PCG33490BC735038	2PCG33496CC735188	2PCG33491CC735261
2PCG33490BC735007	2PCG33492BC735039	2PCG33498CC735189	2PCG33497CC735264
2PCG33492BC735008	2PCG33499BC735040	2PCG33494CC735190	2PCG33490CC735266
2PCG33494BC735009	2PCG33490BC735041	2PCG3349XCC735243	2PCG33494CC735268
2PCG33494BC735012	2PCG33492BC735042	2PCG33491CC735244	2PCG33496CC735269
2PCG33496BC735013	2PCG33494BC735043	2PCG33493CC735245	2PCG33492CC735270
2PCG33498BC735014	2PCG33496BC735044	2PCG33495CC735246	2PCG33494CC735271
2PCG3349XBC735015	2PCG3349XBC735046	2PCG33497CC735247	2PCG33496CC735272
2PCG33491BC735016	2PCG33491BC735047	2PCG33497CC735250	2PCG33498CC735273
2PCG33499BC735023	2PCG33493BC735048	2PCG33499CC735251	2PCG3349XCC735274
2PCG3349XBC735029	2PCG33495BC735049	2PCG33490CC735252	2PCG33495CC735294
2PCG33496BC735030	2PCG33499CC735105	2PCG33494CC735254	
2PCG33498BC735031	2PCG33490CC735106	2PCG33496CC735255	
2PCG3349XBC735032	2PCG33492CC735107	2PCG33498CC735256	
2PCG33493BC735034	2PCG33494CC735108	2PCG3349XCC735257	
2PCG33495BC735035	2PCG33496CC735109	2PCG33491CC735258	
2PCG33497BC735036	2PCG33492CC735110	2PCG33493CC735259	
<p>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.</p>			

MATERIAL

Part No.	Description	Qty
561740	3 amp. diode	1
562499	Heat Shrink Tubing (Bulk)	10cm (4 inches)

NOTE

Material can be obtained through regular channels.



Partial wiring diagram shown as reference (complete wiring diagram of the circuit can be found under # D061140p5.1r7 on the [Prevost Technical Publication](#) web site).

PROCEDURE

1. Locate the rear junction box in the power distribution compartment at the back of the vehicle (on X series, it is necessary to remove electrical compartment cover to access the box).

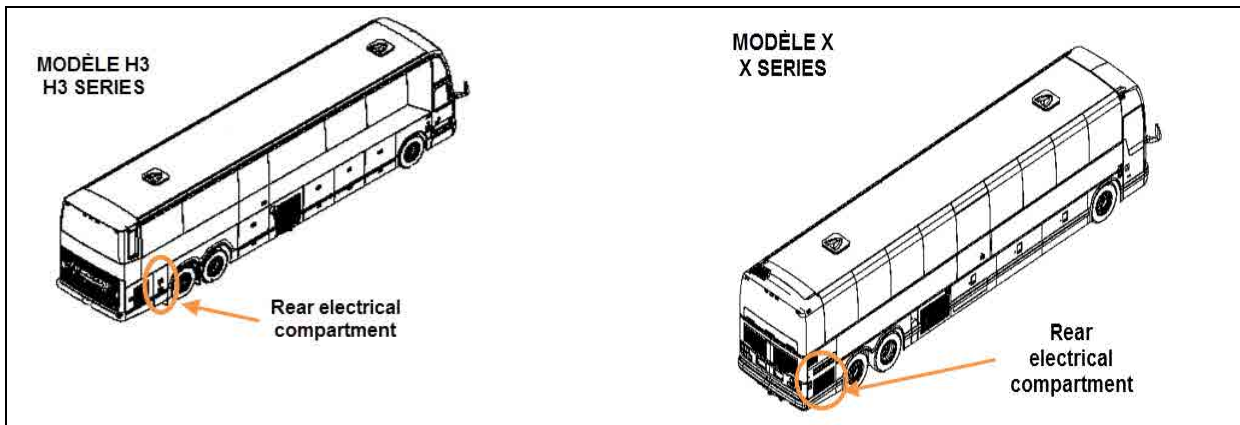


Fig. 1 Rear electrical compartment on H and X series vehicles.



Fig. 2 Electrical compartment cover (X series vehicles)

NOTE: The junction box is mounted vertically on H series and horizontally on X series (H series shown below).

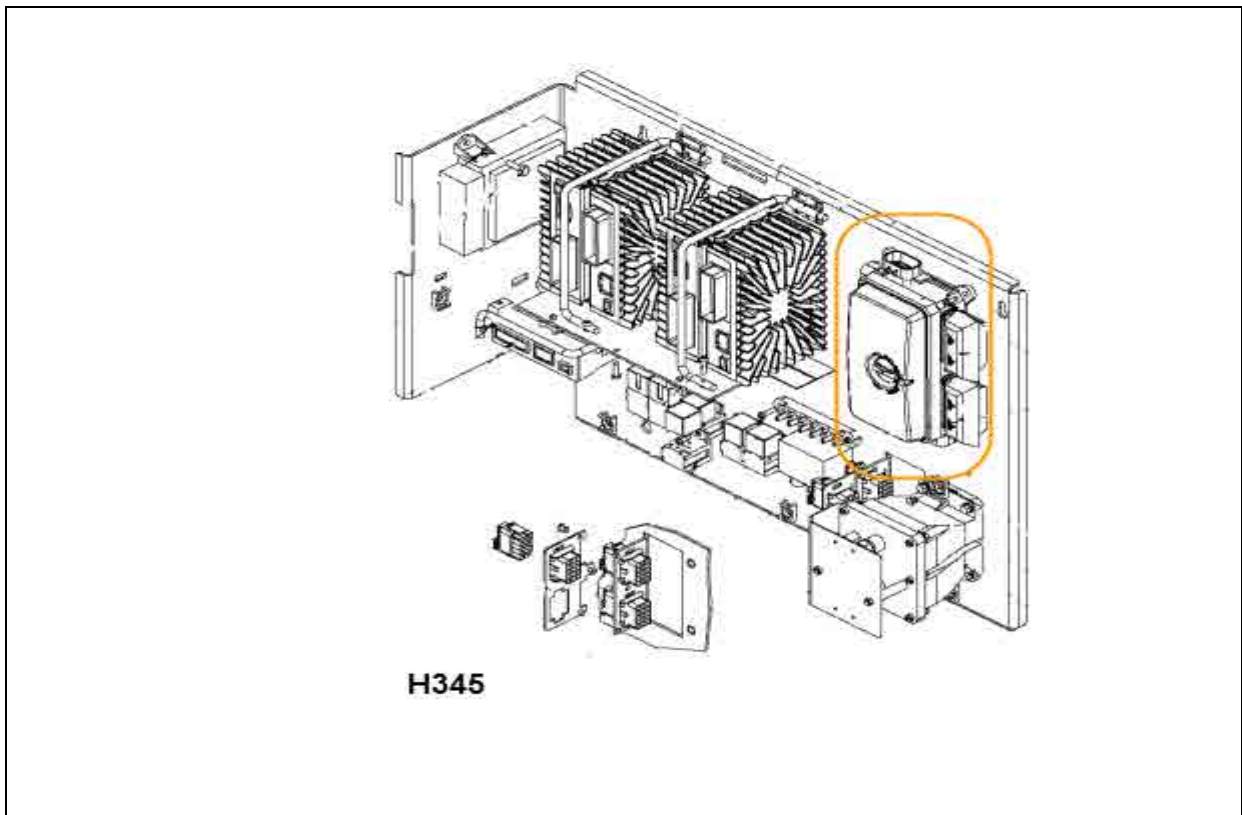


Fig.3 Junction box identification.

2. Locate the junction box red C17 connector.



Fig.4 C17 connector on H serie vehicles.

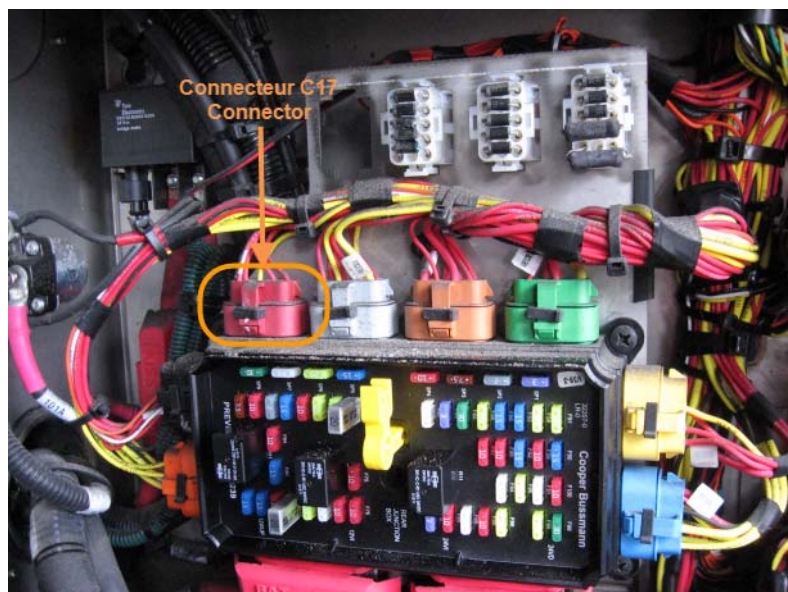


Fig.5 C17 connector on X series vehicles (junction box cover removed).

3. Locate the 24CO red wire at the back of the connector (wires are factory identified on their insulation sleeve).



Fig.6 24CO Wire identification on H series (Left) and X series (Right) vehicle.

NOTE: H and X series vehicles have identical connectors but the 24CO wire is not in the same cavity.

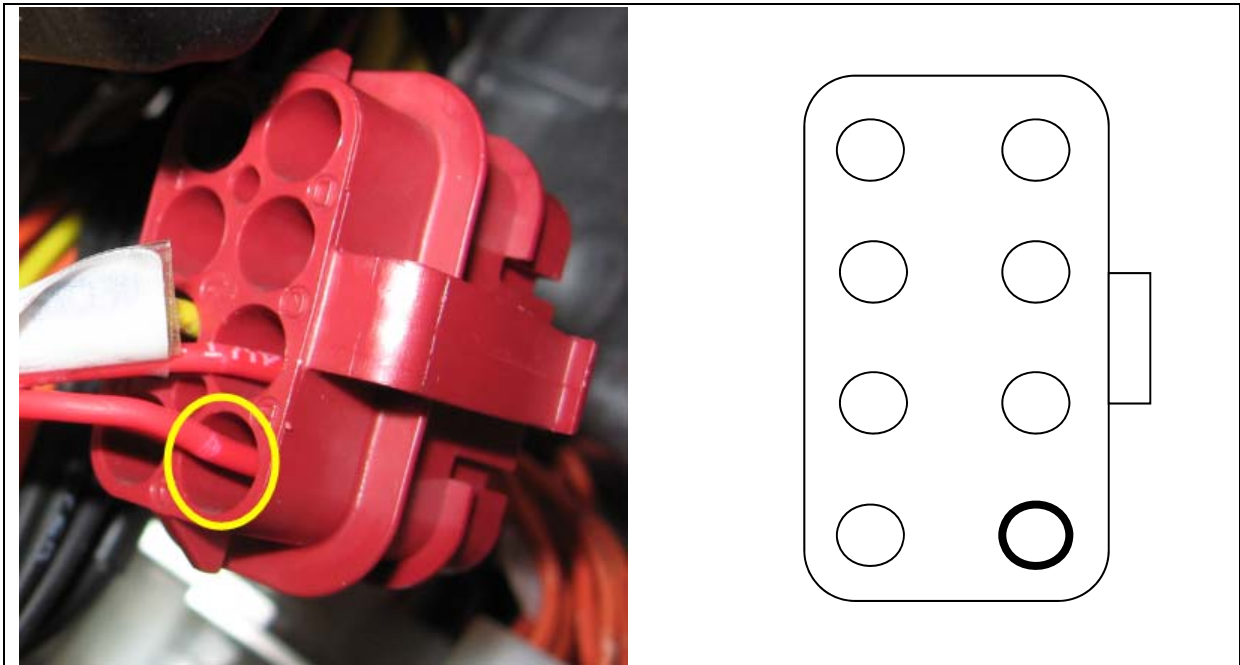


Fig.7 24CO Wire position in the C17 connector H series (Back view).

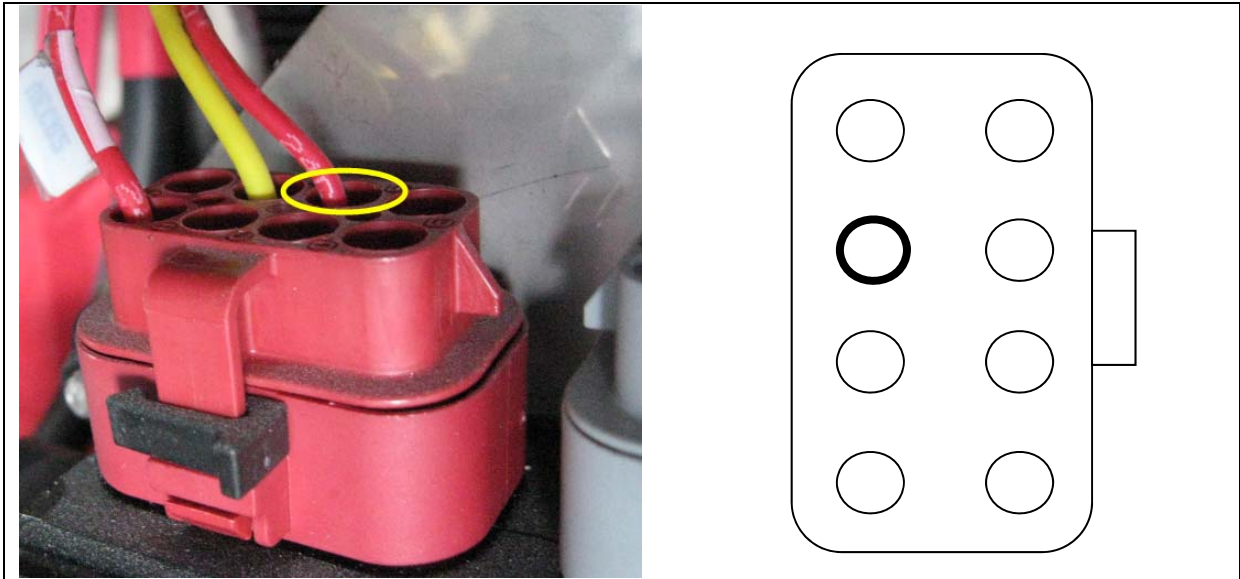


Fig.8 24CO Wire position in C17 connector X series (Back view).

4. Cut the 24CO wire at a minimum of 10cm (4 inches) from the connector and strip the protective insulation on both ends (It is not required to unplug the connector but It may be necessary to remove one or more nylon cable tie(s) from the wire harness to get sufficient wire free length).

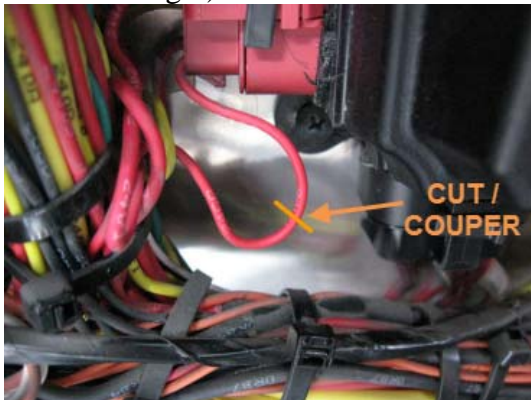


Fig.9 Cut and strip both ends of the wire.



5. Insert a 10cm (4inches) length of shrink tubing (#562499 or equivalent) over the harness end of the 24CO wire.

- Solder a 3amp diode between the ends of the stripped wire.

NOTE: The diode must be soldered with the white strip opposite to the Junction box connector.

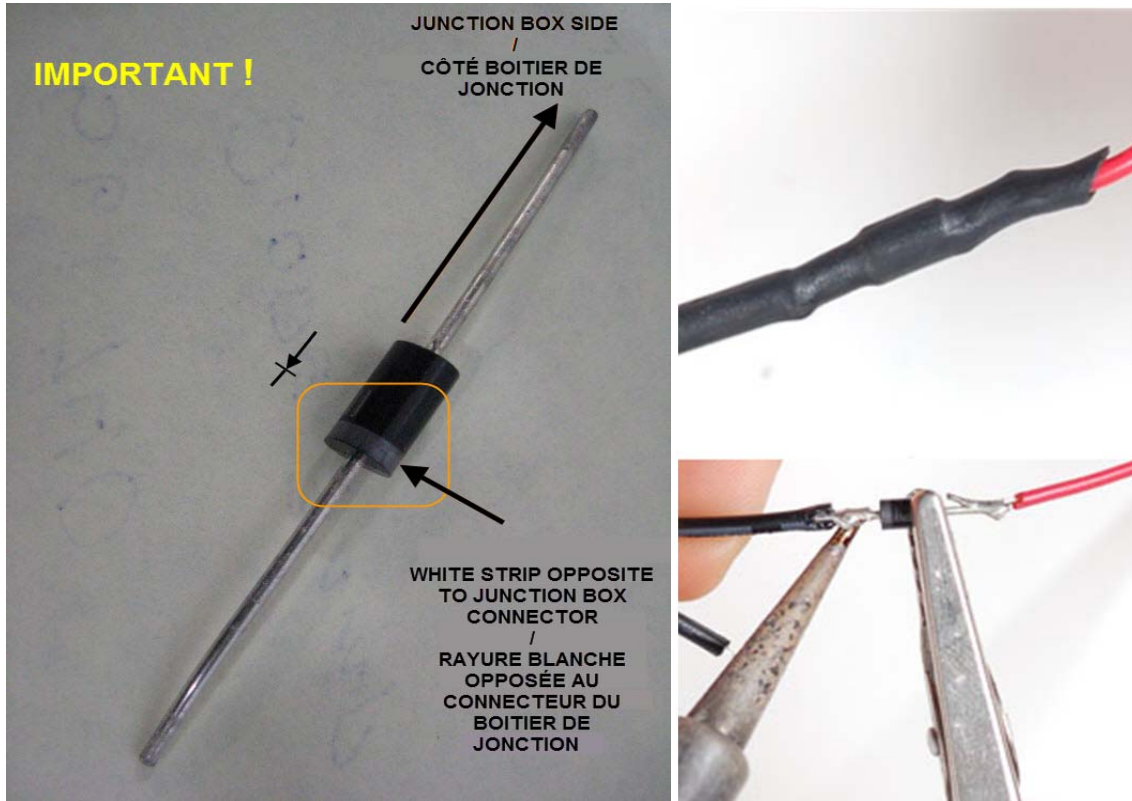


Fig.10 3amp diode instalation.

- Slip the heat shrink tubing over the diode and apply heat to insulate the wire/diode assembly.
- Reinstall nylon cable tie(s) as required, set the vehicle master switch to the ON position and check for proper vehicle function.

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 0.75 hour.

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06.2014	06.2016	01	8(8)

OTHER

VBC Bulletin	n/a
Fail Code	06.21
Defect Code	09
System Condition	B
Causal Part	561740

Prevost engages in a continuous program of testing and evaluating to provide the best possible product. Prevost, however, is not committed to, or liable for updating existing products.