



Service Bulletin No. 388B

MODEL D Series Coaches	TYPE Field Change Program	SECTION/GROUP 7 – Electrical	DATE
SUBJECT INTERIOR LED LIGHTS			
CONDITIONS			

THIS BULLETIN SUPERSEDES SERVICE BULLETIN 388 IN ITS ENTIRETY.

IF YOU HAVE ALREADY COMPLETED FCP 388, PERFORM STEPS 1 TO 29.

IF YOU HAVE NOT YET COMPLETED FCP 388, PERFORM STEPS 1. TO 5 and 9 to 29.

Ref. NHTSA Recall No.: TBA

Ref. Transport Canada Recall No.: TBA

Customer Complaint:

Motor Coach Industries, Inc. ("MCI") has become aware that when the LED lights are in operation in certain 2009–2011 D series coaches equipped with a Vansco or IO multiplex system, the power draw from the LED lights may exceed the design limits of the fuse block terminal and the splice clip connector. In this situation, excessive heat may build up at the fuse block and connector that may cause the components to melt.

If the fuse block terminal and connector suffer thermal damage from excessive heat, they may degrade to the point where the components will burn and potentially cause damage to surrounding materials in the parcel rack and could cause potential injury to persons and/or damage to property.

Cause:

The cause is due to an excessive power draw from the interior LED lights that exceed the design limits of the components.

Corrective Action:

MCI strongly encourages owners of the D model coaches listed in the table below to perform the procedures in this bulletin as soon as possible.

58631 to 58636	58638	58640	58642	58644
58646	58648	58650	58652	58654
58656	58658	58660	58678	58680 to 58684
58686	58688	58690	58692 to 58694	58696 to 58706
58708	58710	58712	58714 to 58716	58720 to 58731
58774	58811 to 58835	58861	58862	58874
58892	58909	58911	58913	58915
58917	58992 to 58994	59027 to 59046	59080	59092 to 59097
59099 to 59123	59130 to 59132	59206	59212	59214 to 59219
59234 to 59238	59270	59302 to 59306	59318 to 59322	59353
59361 to 59366	59405 to 59414	59416 to 59438	59446 to 59457	59481
59485	59568 to 59569	59583 to 59586	59616 to 59633	59636 to 59652
59690 to 59693	59698 to 59701	59721 to 59741	59817 to 59828	

Parts

Qty.	New P/N	Description
1	26-07-0040B	Kit, Interior Light Kit Contents Are:
1	07-08-4682B	Kit, Interior Light Relay
2	07-08-4683	Label, Blank
8	07-08-4684	Heat Shrink, 0.250 inch
8	07-08-4685	Heat Shrink, 0.500 inch
4	19-1-640	Screw
4	19-11-258	Tyrap

Service Procedure:

! WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.

1. Turn the main battery disconnect switch to the OFF position.
2. Chock both sides of the tires.
3. Enter the coach cabin. Open the curbside, parcel rack compartment #1 door.
4. Locate the junction box mounted to the parcel rack compartment wall (refer to Figure 1).

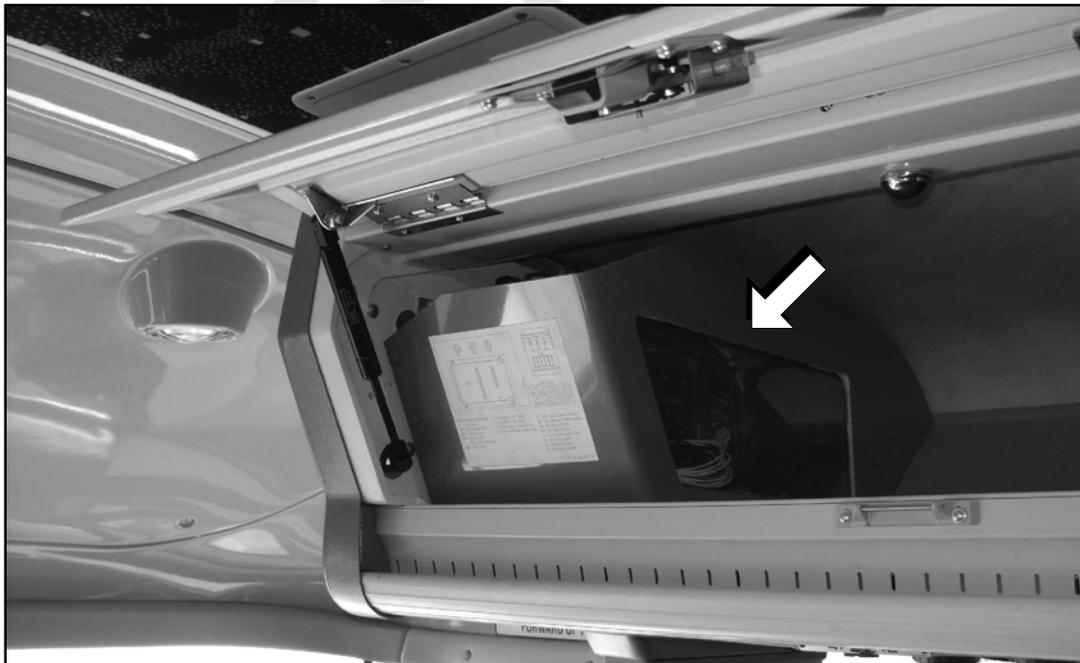


Figure 1.

5. Remove and retain the junction box cover and hardware, to be re-used at a later step in this procedure.

NOTICE

Steps 6 to 8 are applicable to coaches in which FCP 388 was performed.

- 6. Locate the red and orange wires installed in the procedure steps of FCP388 (refer to Figure 2).

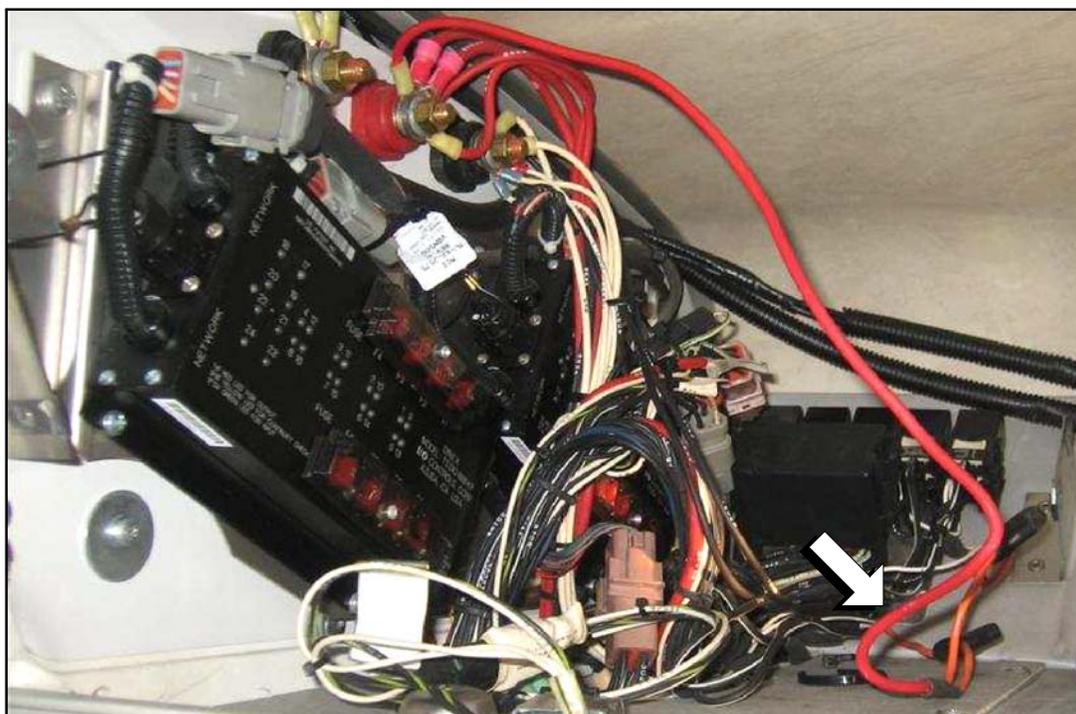


Figure 2.

- 7. Locate the fuse holders (refer to Figure 3). Using wire cutters, cut the wires at the wire splice.

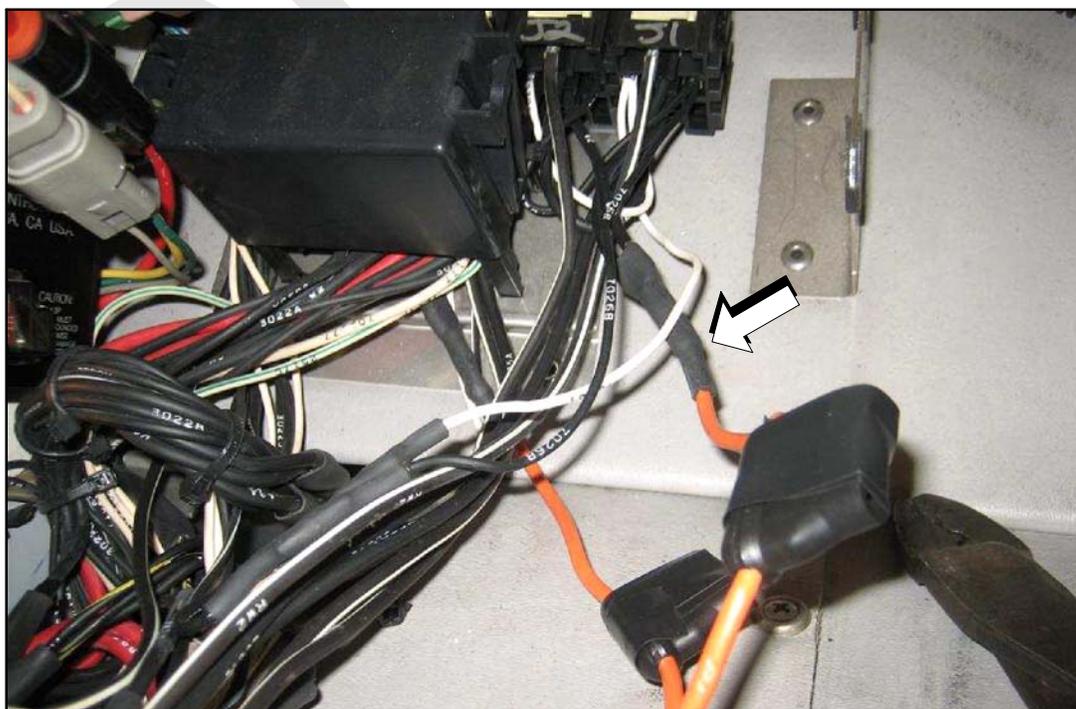


Figure 3.

- Trace the routing of the red wire cut at the wire splice to the 24 VDC red stud block. Remove and retain the nut. Remove and discard the red wire. Return the nut to the stud block.

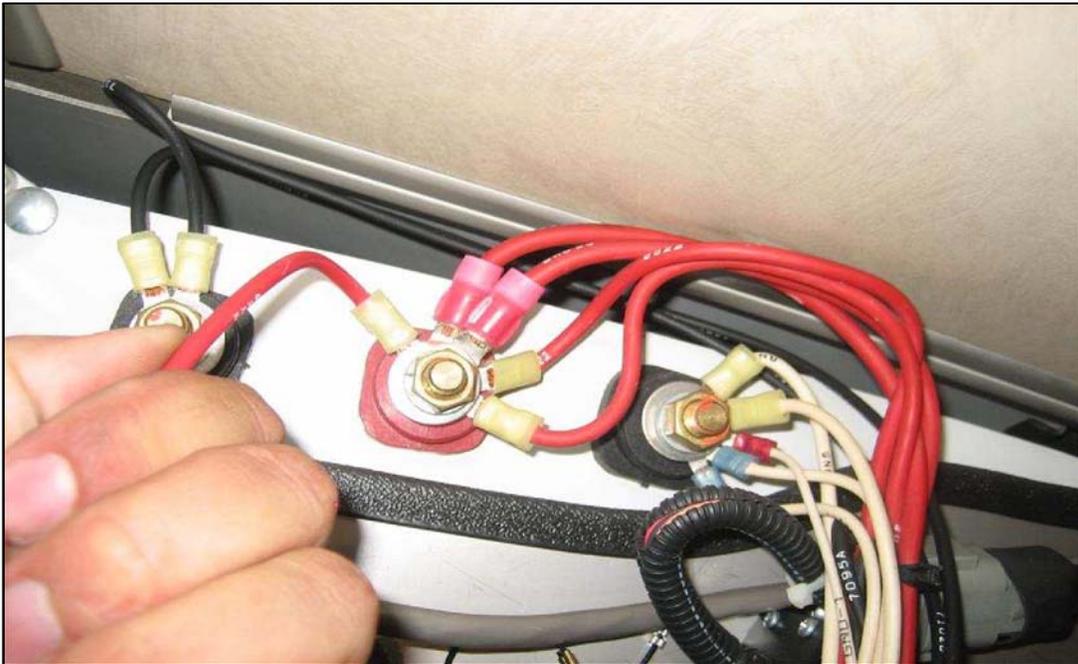


Figure 4.

9. Locate connector S102 (refer to Figures 5 and 6).

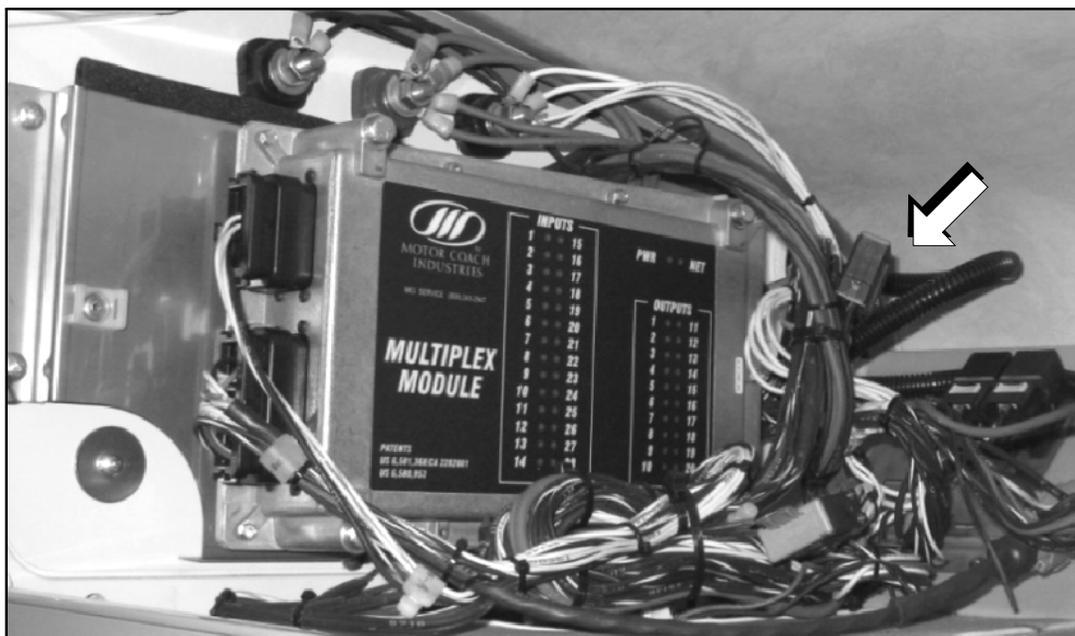


Figure 5.



Figure 6. Connector S102 (splice clip connector design / brown color).

10. Locate circuits A1, RA1 and LA1C in connector S102 cavities E, D and F. Using wire cutters, cut the wires 0.50 inch from the connector and splice them together using heat shrink, p/n 07-08-4684 (see Figure 7).
11. Locate circuits W1, RW1 and LW1C in connector S102 cavities L, K and M. Using wire cutters, cut the wires 0.50 inch from the connector and splice together using heat shrink, p/n 07-08-4684. (refer to Figure 7).
12. Using a small removal tool, remove circuit LW2A from connector S102 cavity J and splice with circuit LW2A from the Interior Light Relay Kit, p/n 07-08-4682B using heat shrink, p/n 07-08-4685 (refer to Figure 7).
13. Remove circuit RW2 from connector S102 cavity G and splice with circuit RW2 from the Interior Light Relay Kit, p/n 07-08-4682B, using heat shrink p/n 07-08-4685 (refer to Figure 7).
14. Remove circuit LA3A from connector S102 cavity C and splice with circuit LA3A from the Interior Light Relay Kit, p/n 07-08-4682B, using heat shrink p/n 07-08-4685 (refer to Figure 7).
15. Remove circuit RA3A from connector S102 cavity A and splice with circuit RA3A from the Interior Light Relay Kit, p/n 07-08-4682B, using heat shrink p/n 07-08-4685 (refer to Figure 7).
16. Discard the connector S102.

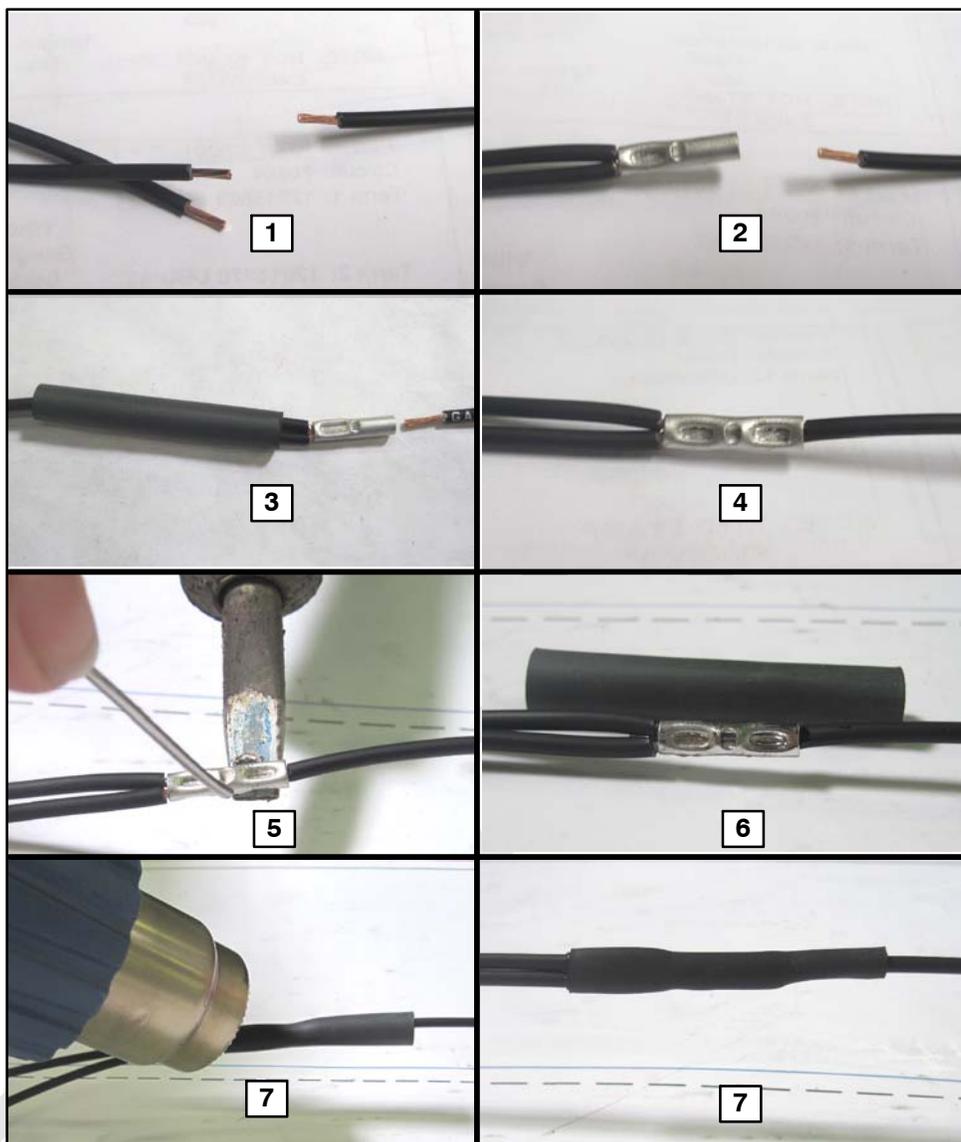


Figure 7.

ITEM	DESCRIPTION
1	Using wire strippers, strip the wires 0.250 inch
2	Crimp one wire
3	Orient and slide the heatshrink over the crimped wire
4	Crimp the other wire
5	Solder the center of the crimp joint. Proceed to solder both ends.
6	Orient and center the heat shrink over the butt splice
7	Using a heat gun, shrink down all the way until the melted glue is visible

17. Locate Relay J (refer to Figure 8). Remove circuit 7026B from Relay J cavity 86 and splice with circuit 7026B from the Interior Light Relay Kit, p/n 07-08-4682B, using heatshrink, p/n 07-08-4684.
18. Remove circuit 70261 from Relay J cavity 85 and splice with circuit 70261 from the Interior Light Relay Kit, p/n 07-08-4682B, using heatshrink, p/n 07-08-4684.
19. Discard Relay J and its base. Using wire cutters, cut and remove any other wire connected to the relay.

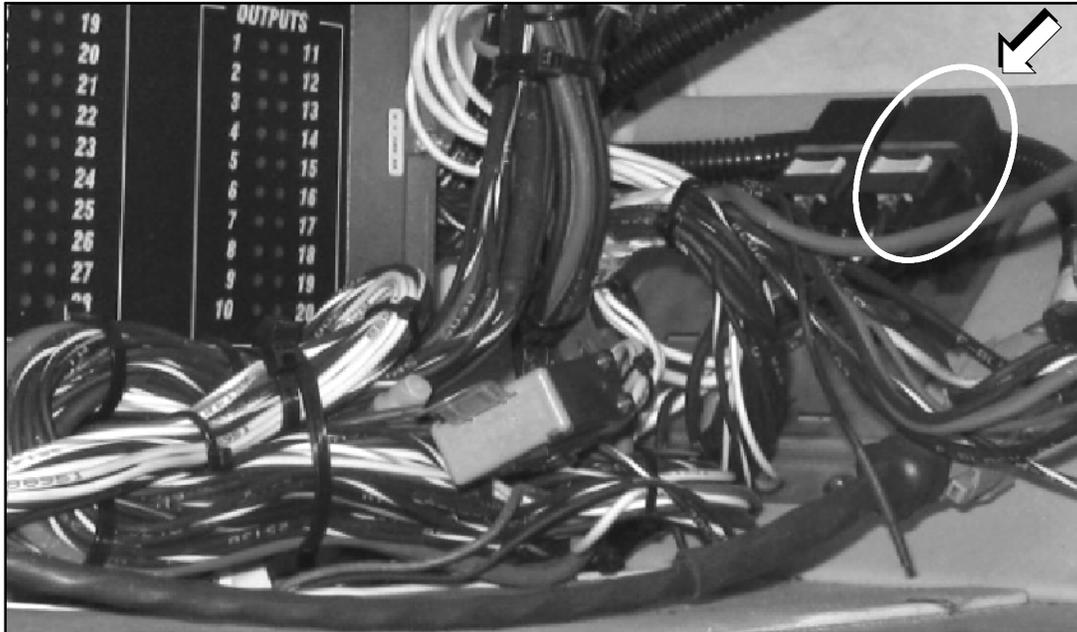


Figure 8. Relay J location in curbside, parcel rack compartment #1.

20. Locate Relay K (refer to Figure 9). Remove circuit 7029 from Relay K cavity 86 and splice with circuit 7029 from the Interior Light Relay Kit, p/n 07-08-4682B, using heatshrink, p/n 07-08-4684.
21. Remove circuit 70291 from Relay K cavity 85 and splice with circuit 70291 from relay kit (07-08-4682B) using 07-08-4684.
22. Discard Relay K and its base. Using wire cutters, cut and remove any other wire connected to the relay.

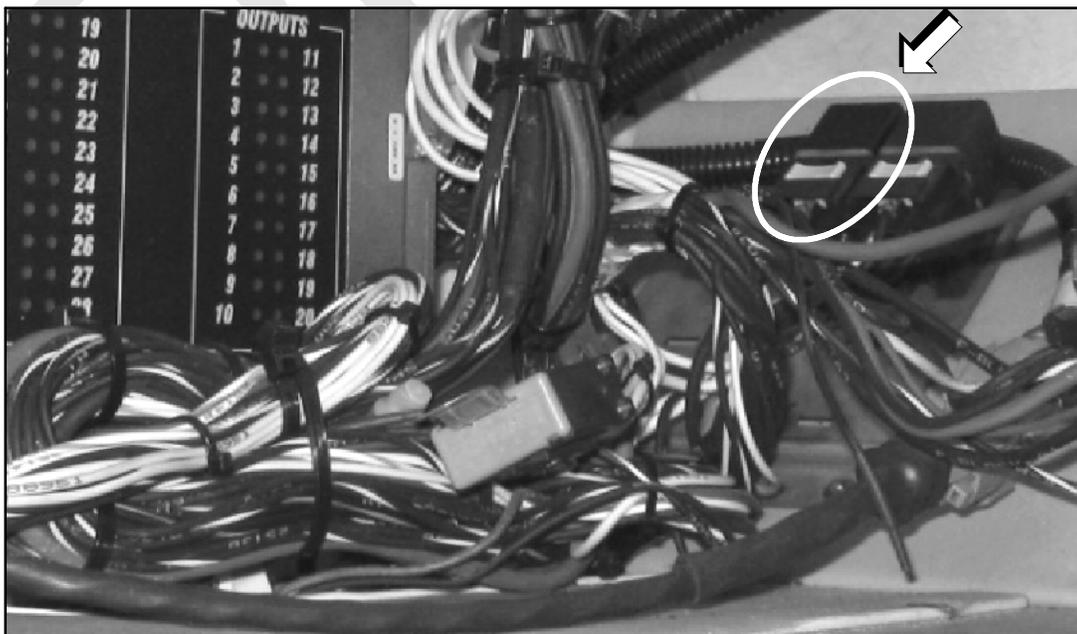


Figure 9. Relay K location in curbside, parcel rack compartment #1.

! WARNING

Upon visual inspection, if the fuse block exhibits signs of heat damage or melting, contact the MCI Fleet Support Technical Center at 1-800-241-2947 for further information and replacement parts.

23. Visually inspect the fuse block for heat damage or melting at locations A1 and A2 (refer to Figure 10).

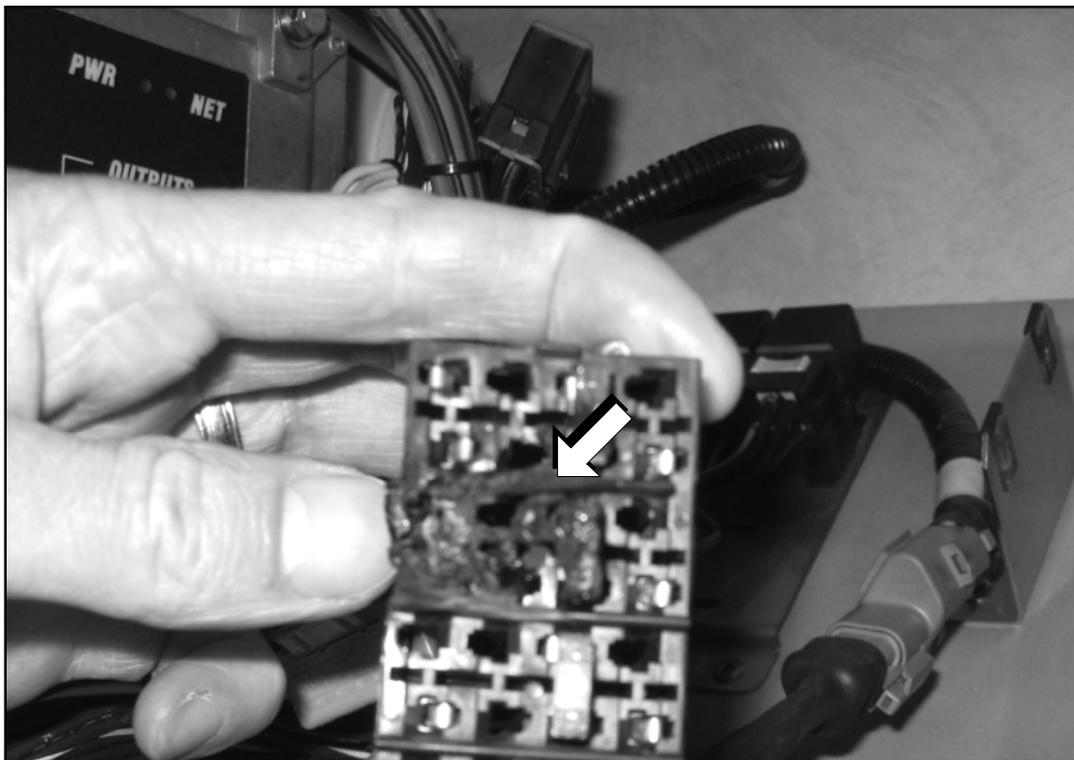


Figure 10. Fuse block in curbside, parcel rack compartment #1.

24. Using the screw, p/n19-1-640, secure Relays J1, J2, K1, K2 from the Interior Light Relay Kit to the bracket.
25. Secure circuit 8822 from the Interior Light Relay Kit to the 24V power stud.
26. Secure circuit 7095A from the Interior Light Relay Kit to the instating light stud.

27. Secure the harness installation using tytraps, p/n 19-11-258.

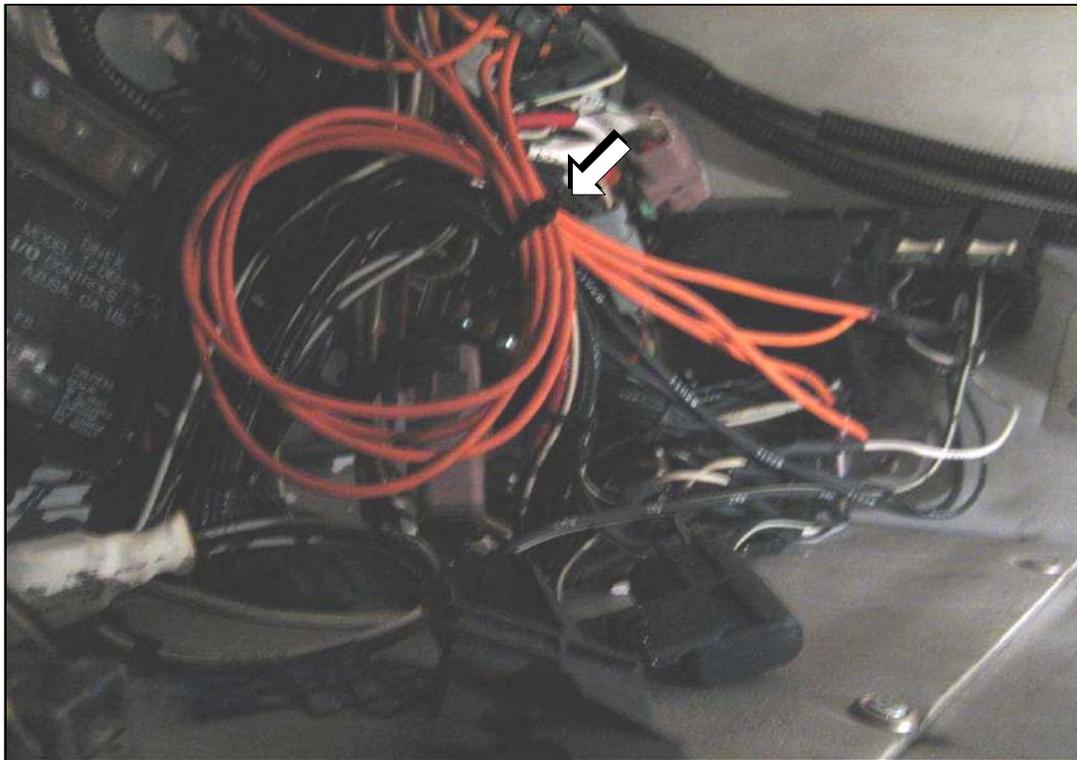


Figure 11.

28. Using the mounting hardware removed in Step 5. , reinstall the junction box cover.

29. Using the decals, p/n 07-08-4682B, cover locations A1 and A2 on the Decal legend affixed to the junction box cover.

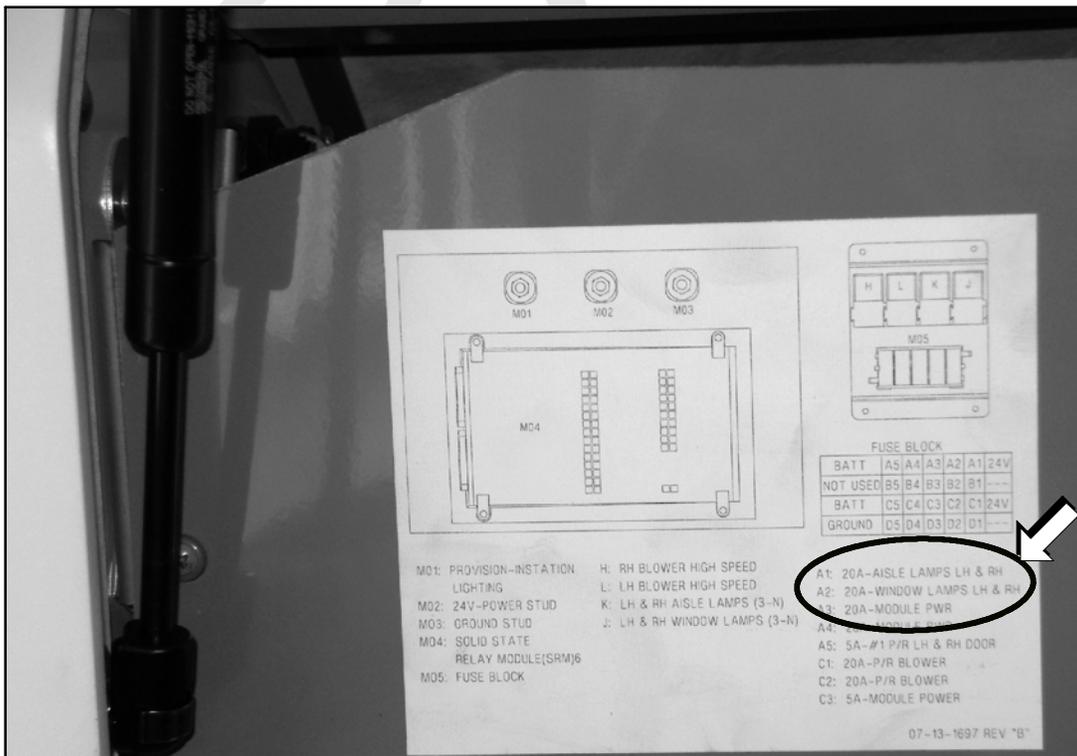


Figure 12. Decal legend location on junction box cover in curbside, parcel rack compartment #1.

Procedure complete.

Mail or fax the completed limited warranty claim form and verification form to MCI's warranty department, or photocopy and mail to:

MCI Fleet Support
Attn: Warranty Department
7001 Universal Coach Drive
Louisville, KY 40258
Fax Number 1-800-360-8886

to receive credit for the hours used to complete this task. Contact the MCI Fleet Support Technical Center at 1-800-241-2947 for any further information.

Field Change Program Conditions:

The parts required for this change will be supplied without charge.

A labor allowance of 2.0 hours will be granted for the procedure of installing the specified part(s) in this bulletin on affected D Series coaches.

This labor allowance will be credited to your MCI Fleet Support Parts Account on receipt of the attached "MCI Field Change Program Verification Form" and a "Warranty Claim Form" as detailed in your Owner Warranty manual to MCI's Warranty department. A "MCI Field Change Program Verification Form" needs to be submitted for each VIN affected. Photocopy the attached "MCI Field Change Program Verification Form" as required for the number of affected coaches in your fleet.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries