

PREVOST

Warranty Bulletin

96-18

Date: **October 1996**
Section: **06**
Subject: **BOOSTER POST POWER CABLE INSPECTION**
Application:

Model	VIN
XL-40 Coaches Model Year: 1994-1995	From 2P9L33408R1001890 up to 2P9L33406S1001473

DESCRIPTION

On the above-mentioned vehicles, the main power cable which brings power from the cut-out switch to the battery booster post in the engine bay could use prematurely due to friction. Friction of this cable on the vehicle structure or any mechanical components could cause a fire in the engine compartment. It is paramount that your vehicle be inspected and corrective actions be taken, if required, to properly secure the cable as explained herein. There are three sections (or tasks) in this bulletin. Depending on the condition of the cable on your vehicle, you are requested to complete section A (mandatory), and possibly section B or C (depending on cable condition). **Note that this is a SAFETY RECALL CAMPAIGN.**

Section A: Cable inspection

MATERIAL

Part No.	Description	Qty
504016	Cable ties	5

Note: Material can be obtained through regular channels.

PROCEDURE

Warning: Park vehicle safely, apply parking brakes, stop engine and set the battery master (cut-out) switch to the OFF position prior to working on vehicle.

1. In the engine compartment, locate cable 101A (Fig. 1).
2. Inspect cable for any damages caused by friction on sharp or abrasive objects. Pay particular attention to the section of the cable which is routed close to the engine cradle leg. Figure 2 shows the particularly sharp edges of the cradle leg where abrasion could occur.

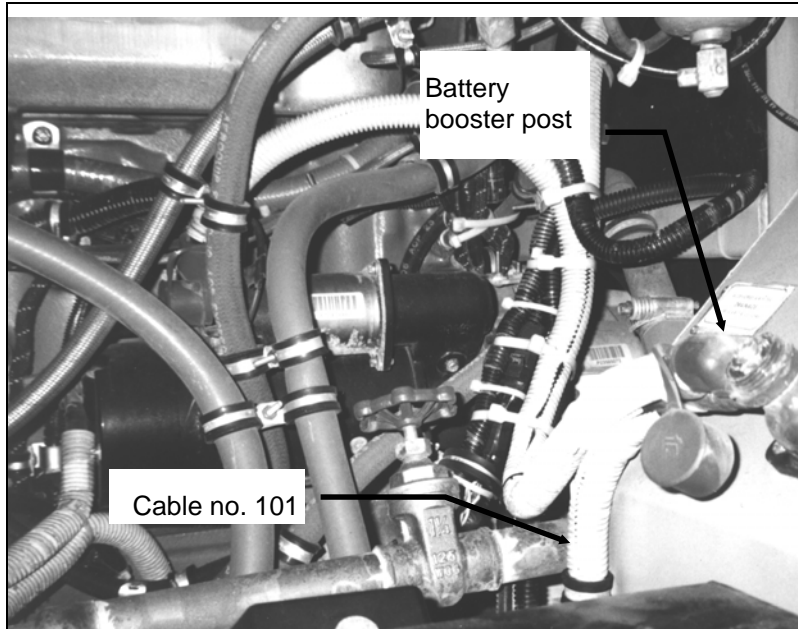


FIGURE 1: CABLE LOCATION

06189

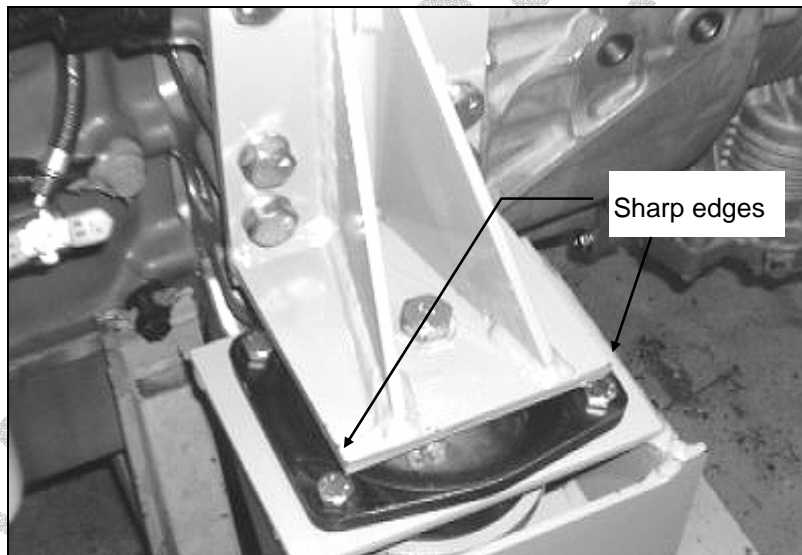


FIGURE 2

06190

3. If cable is slightly damaged (i.e. insulation of cable slightly cut and/or ground) go directly to **Section B**.
4. If cable is no longer useable (i.e. copper inside cable is cut and/or burnt) go directly to **Section C**.
5. Move cable with your hand and make sure that:
 - a. cable does not rub on any sharp or abrasive objects.
 - b. cable does not get closer than 2" (5 cm) to any sharp or abrasive objects.

-
- If cable rubs on a sharp or abrasive object or if it gets within 2" (5 cm) of one, secure cable with cable ties (Prevost #504016) to prevent premature damage to cable.

WARRANTY "A"

This modification is covered by the manufacturer's normal warranty. We will reimburse you for parts and 0.25 hours of labor upon receipt a completed A.F.A. form on which you must specify as per "Warranty Bulletin 96-18, Warranty A". **You have to fill the safety recall notification card provided with this bulletin and return it with your A.F.A. form to be reimbursed.**

Expiration date: September 1997

Section B: Repair to damaged but useable cable

MATERIAL

Part No.	Description	Qty
561451	Convoluted tubing	1
561755	Shrinkable tubing	1
504016	Cable ties	7

Note: Material can be obtained through regular channels.

PROCEDURE

Warning: Park vehicle safely, apply parking brakes, stop engine and set the battery master (cut-out) switch to the OFF position prior to working on vehicle.

- Make sure battery cut-out switch is set to OFF and disconnect cable from the battery booster post (Fig. 1).
- Cut and remove convoluted tubing from approximately 2" (5 cm) past the damaged area (away from battery boost post).
- Insert a piece of shrinkable tubing to entirely cover the damaged area and apply heat as required.
- Reinstall convoluted tubing over cable. If required, add a section of convoluted tubing (Prevost #561451) so the whole length of the cable is covered. If there is more than one section of convoluted tubing, make sure each section overlaps the next section(s) and that any overlapping sections are firmly secured together with cable ties.
- Using cable ties (Prevost #504016), secure the slit convoluted tubing at approximately every 4" (10 cm).
- Reinstall any clamps which had to be removed.
- Reconnect cable to battery booster post and torque nut to 30-35 lbf•ft (40-47 N•m).

-
8. Move cable with your hand and make sure that:
 - a. cable does not rub on any sharp or abrasive objects.
 - b. cable does not get closer than 2" (5 cm) to any sharp or abrasive objects.
 9. If cable rubs on a sharp or abrasive object or if it gets within 2" (5 cm) of one, secure cable with cable ties to prevent premature damage.

WARRANTY "B"

This modification is covered by the manufacturer's normal warranty. We will reimburse you for parts and 0.5 hours (comprised of 0.25 hours for section A and 0.25 hours for section B) of labor upon receipt a completed A.F.A. form on which you must specify as per "Warranty Bulletin 96-18, Warranty B". **You have to fill the safety recall notification card provided with this bulletin and return it with your A.F.A. form to be reimbursed.**

Expiration date: September 1997

Section C: Cable replacement

MATERIAL

Part No.	Description	Qty
06-1028	Starter cable	1
504016	Cable ties	5

Note: Material can be obtained through regular channels.

PROCEDURE

Warning: Park vehicle safely, apply parking brakes, stop engine and set the battery master (cut-out) switch to the OFF position prior to working on vehicle.

1. Safely support vehicle at the axle jacking points (do not jack vehicle yet).

Caution: Only the recommended jacking points must be used as outlined in Maintenance Manual Section 18, "Body" or in Operator's Manual.

Note: Cable 101A is the cable which brings power from the batteries to the cut-out switch.

2. In the battery compartment, disconnect the two battery ground cables from the batteries.

Warning: All lead-acid batteries generate hydrogen gas which is highly flammable. If ignited by a spark or flame, the gas may explode violently, causing spraying of acid, fragmentation of the battery, and result in possible severe personal injuries. Wear safety glasses when working near batteries. In case of contact with acid, flush immediately with water.

Notes: i) Battery main relays should be in the "Off" position before disconnecting cables from batteries.

ii) When battery cables have been removed, wrap the battery terminals and cable ends with electric tape to prevent accidental grounding.

iii) The ground cables should always be disconnected first and connected last.

3. Disconnect cable no. 101A from battery (Fig. 3).

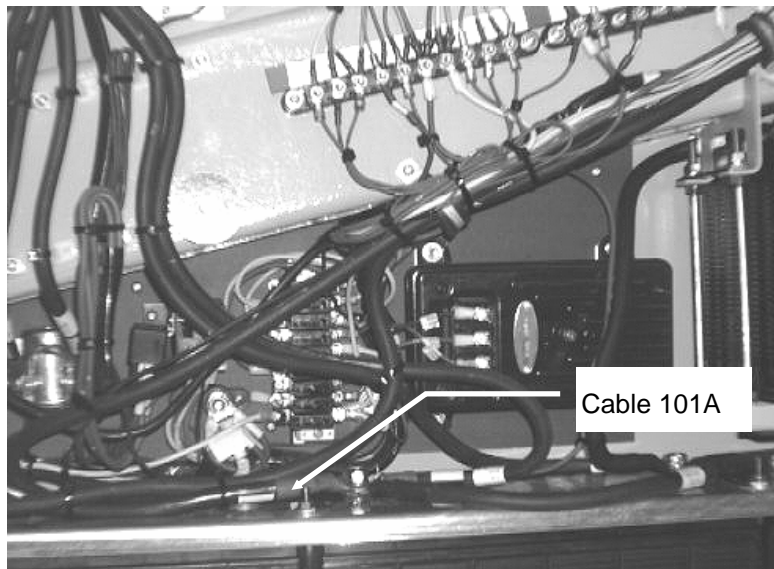


FIGURE 3

06191

4. In the battery compartment, remove nut, spacer, cable no. 101, cable no. 102 and wire no. 108 from the cut-out switch (Fig. 4).
5. Temporarily reinstall wire no. 108, spacer, cable no. 102 and the nut (tight by hand only) to the cut-out switch. At this point, cable no. 101 (cable going through the wall towards the back of vehicle) should be disconnected.

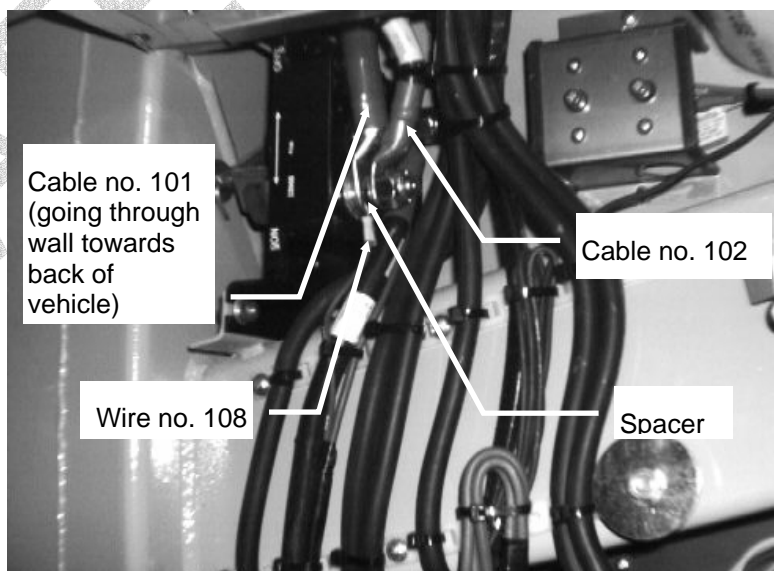


FIGURE 4

06192

-
6. In engine compartment, disconnect cable from the battery booster post (Fig. 1).

Note: *It is recommended that you temporarily reinstall the clamps to facilitate installation of new cable.*

7. In engine compartment, remove all clamps holding cable no. 101.
8. Jack vehicle and place safety supports underneath body.
9. Remove all clamps holding cable no. 101 to the vehicle floor structure.
10. Remove cable from vehicle.
11. Connect new cable (Prevost #061028) to battery booster post (Fig. 1) and torque nut at 30-35 lbf•ft (40-47 N•m).
12. Route cable from battery booster post to cut-out switch (Fig. 4).
13. Remove nut, cable no. 102, spacer and wire no. 108 from cut-out switch (Fig. 4).
14. Reinstall in following order: cable no. 101, wire no. 108, spacer, cable no. 102 and nut.
15. Torque nut at 30-35 lbf•ft (40-47 N•m).
16. From under vehicle, reinstall all clamps as per original installation.
17. In the engine compartment, reinstall all clamps as per original installation. Make sure the cable is not routed near objects which are sharp, abrasive, or potentially very hot.
18. Move cable with your hand and make sure that:
 - a. cable does not rub on any sharp or abrasive objects.
 - b. cable does not get closer than 2" (5 cm) to any sharp or abrasive objects.
19. If cable rubs on a sharp or abrasive object or if it gets within 2" (5 cm) of one, secure cable with cable ties (Prevost #504016) to prevent premature damage to cable.
20. In the battery compartment, reconnect cable no.101A to battery (Fig. 3) and torque nut at 10-15 lbf•ft (13-20 N•m).
21. Reconnect battery ground cables.

WARRANTY "C"

This modification is covered by the manufacturer's normal warranty. We will reimburse you for parts and 2.25 hours (comprised of 2 hours for section C and 0.25 hours for section A) of labor upon receipt a completed A.F.A. form on which you must specify as per "Warranty Bulletin 96-18, Warranty C". **You have to fill the safety recall notification card provided with this bulletin and return it with your A.F.A. form to be reimbursed.**

Expiration date: September 1997

PREVOST

Safety Recall Certification Sheet

We hereby certify that Safety Recall Instructions with regards to Warranty Bulletin # 96-18 have been performed on vehicle serial number:

2 P _____ (Please complete)

Company name			
Mailing address			
Phone		Fax	
Signature:			
Date			
A.F.A. #			

Please return this completed document with your A.F.A. form.