

PREVOST

WARRANTY BULLETIN

WB17-14B

DATE :	May 2017	SECTION :	06 ELECTRICAL
EXPIRATION:	May 2019		
SUBJECT :	INSPECTION/REPLACEMENT OF ALTERNATOR POWER CABLE STUD ADAPTER		

REVISION B: THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.

Released: Dec 2019.

Nut M8 #5001787 canceled and changed, use nut #5001983 instead ←

APPLICATION

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>	
Model	VIN
X3-45 coaches Model Year : 2015 - 2017	From 2PCG33496FC73 <u>5762</u> up to 2PCG33490HC73 <u>6179</u> incl.
	From 4RKG33490G973 <u>7309</u> up to 4RKG3349XH973 <u>7416</u> incl.
X3-45 VIP commercial use Model Year : 2016	2PCCS3492GC73 <u>5986</u> 2PCCS3493GC73 <u>5981</u> 2PCCS3493GC73 <u>6001</u> 2PCCS3495GC73 <u>6064</u> 2PCCS349XGC73 <u>5962</u> 2PCCS349XGC73 <u>6061</u>
H3-45 coaches Model Year : 2015 - 2017	From 2PCH33498FC71 <u>2696</u> up to 2PCH33492HC71 <u>3734</u> incl.
<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>	

DESCRIPTION

On the vehicles affected by this bulletin, the power cable stud adapter on the alternator must be inspected and if needed, replaced.

MATERIAL

KIT #WB17-14 may be required after inspection, which includes the following parts:

Part No.	Description	Qty
060297	Adapter, stud	1
← 5001983	NUT, M8 STAINLESS STEEL NSS	1

Other part that may be required:

Part	Description	Qty
	Anti-corrosion compound Prevost #684013 or equivalent (Ref. Loctite Color Guard #34894 or #34979)	As required
NOTE		
Material can be obtained through regular channels.		

PROCEDURE


DANGER

Park vehicle safely, apply parking brake, stop the 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.

NOTE
YOUR VEHICLE MAY ALREADY HAS THE APPROPRIATE STUD ADAPTER.

RISK OF ELECTRICAL SHOCK

The alternator is connected to the batteries through master relay R1. If the ignition switch is in the OFF position and the battery master switch (master cut-out) is set to the OFF position, there should not be electrical power to the alternator terminals. However, a faulty master relay R1 could eventually leave the battery power circuit closed, thus electrical power would be present at the alternator terminals.


DANGER

Using a multimeter, probe the alternator terminal **B1+** and the ground terminal. Make sure that the voltage reading is 0 volt prior disconnecting the alternator cables.

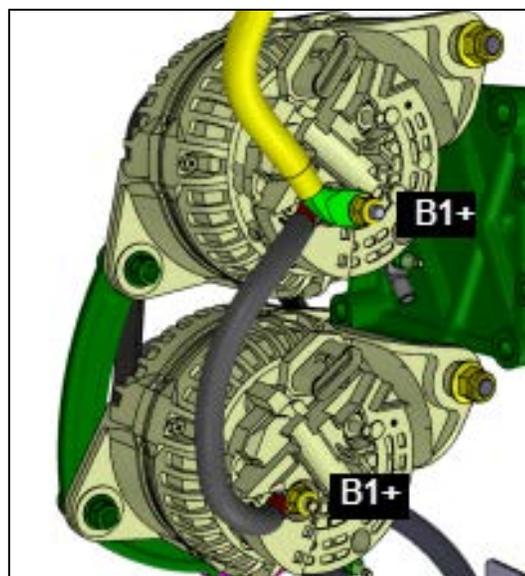


Figure 1

INSPECTION

1. Remove existing hexagonal locknut **E**, flat washer **D** and power cable **A** from the stud adapter.

NOTE

The existing locknut must be replaced as it is one-time use only.

The existing M8 nut « E » #5001787 is canceled and replace by nut #5001983.

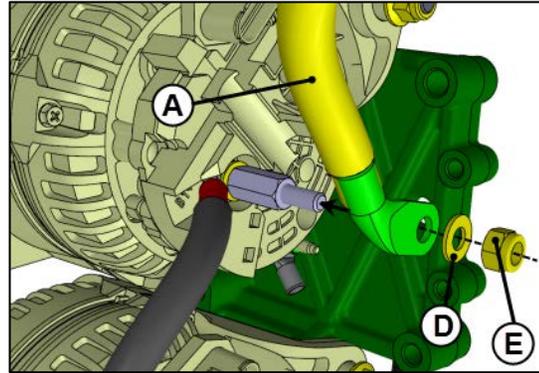


FIGURE 2

2. Discard old locknut **E**.
3. Clean the anti-corrosion compound that was applied on the stud adapter **B** especially between flats.

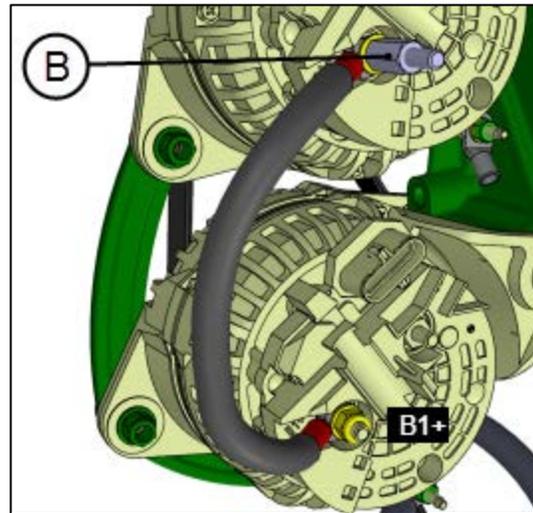


Figure 3

4. Inspect the distance between flats on the stud adapter. There are only two possibilities; 1/2" or 5/8".
5. First, use a 1/2" open wrench and check if you can engage the wrench between the flats of the stud. If you cannot engage the 1/2" open wrench on the stud, try a 5/8" open wrench and check if you can engage this second wrench between the flats of the stud and if it fits tight.

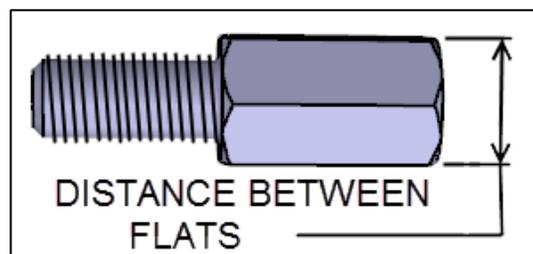


Figure 4

NOTE

Ensure step 5 is done properly as it will impact the following steps.

6. If the distance between flats is $5/8$ " , you have the correct stud. Move to step 7.

If the distance between flats is $1/2$ " , you have the wrong stud and you need to change it. Move to step 10.

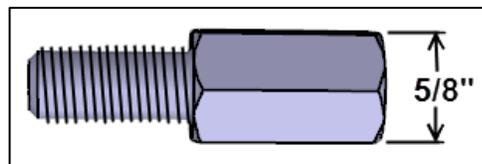


FIGURE 5

CORRECT (part #060297)

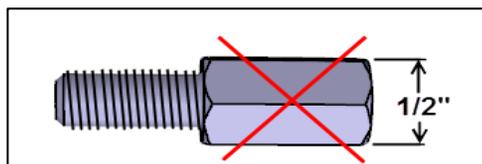


FIGURE 6

INCORRECT (part #564590)

7. Reinstall power cable **A**. To do so, connect power cable **A** to the stud adapter, install the flat washer **D** and the new locknut **E**.
8. **Protect the alternator stud and cable terminal against corrosion.** Apply anti-corrosion compound or **Color Guard Rubber Coating** on the stud adapter, the cable terminal, and the locknut.
9. Bulletin is complete.

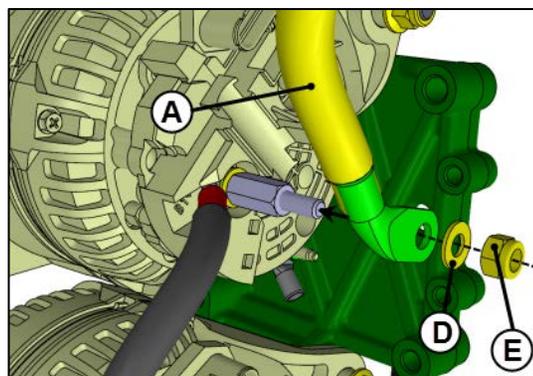


Figure 7

A : POWER CABLE

D: FLAT WASHER #5001341

E: LOCKNUT M8 #5001983 (*torque: 10 lbf-ft*)

STUD ADAPTER REPLACEMENT

10. Remove old stud adapter **B** (FIGURE 8).
11. Before installing the power cable, make sure that the nut that secures the alternator stud is properly tightened (FIGURE 9).
12. Install appropriate new stud adapter **B**. Make sure the jumper cable terminal and the flat washer **C** are still in place (FIGURE 8).

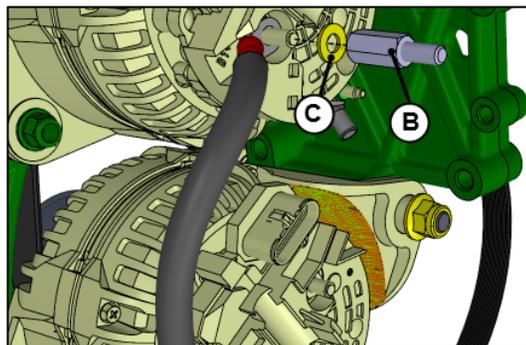


FIGURE 8

B : STUD ADAPTER #060297 (*torque: 10 lbf-ft*)

C: FLAT WASHER #5001341

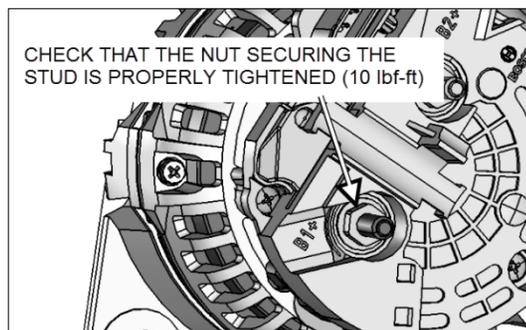


FIGURE 9

13. Reinstall power cable **A**. To do so, connect power cable **A** to the stud adapter, install the flat washer **D** and the new locknut **E**.
14. **Protect the alternator stud against corrosion.** Apply anti-corrosion compound or **Color Guard Rubber Coating** on the stud adapter, the cable terminal and the locknut.
15. Bulletin is complete.

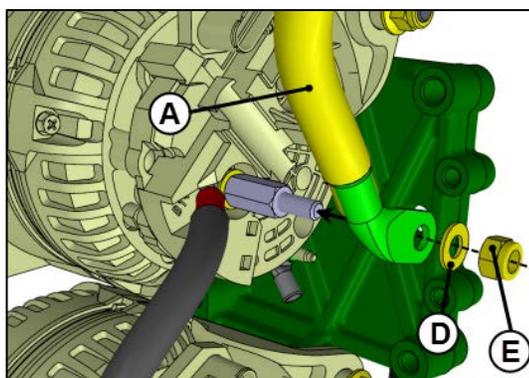


FIGURE 10

A : POWER CABLE

D: FLAT WASHER #5001341

E: LOCKNUT M8 #5001983 (*torque: 10 lbf-ft*)

PARTS / WASTE DISPOSAL

DO NOT RETURN THE REPLACED PARTS. Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

WARRANTY

This modification is covered by Prevest's normal warranty. We will reimburse you the parts and

- half an hour (0.5h) of labor
- one and half hour (1.5h) of labor if the vehicle is equipped with an auxiliary sump tank

upon receipt of a warranty claim. Please submit claim via our Online Warranty System, available at www.prevestcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Warranty Bulletin. WB17-14".

OTHER

VBC Bulletin	N/A
Fail Code	06.15
Defect Code	09
Syst. Cond	B
Causal Part	564590

Access all our Service Bulletins on <http://techpub.prevestcar.com/en/> or scan the QR-Code with your smart phone.

E-mail us at technicalpublications_prev@volvo.com and type "ADD" in the subject to receive our warranty bulletins by e-mail.

