

Date	Expiration	Release	Page
11.2015	11.2017	1	1(9)

Initial release:

BATTERY EQUALIZER INCORRECT PROGRAMMING

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, one of the 100 Amp Vanner Battery Equalizer may have been incorrectly programmed and must be replaced.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS		
Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.		
Model	VIN	Unit #
X3-45 Commuter Model Year : 2016	4RKG33498 <u>G9737171</u> , 4RKG3349X <u>G9737172</u>	2662, 2663
	4RKG33491 <u>G9737173</u> , 4RKG33493 <u>G9737174</u>	2664, 2665
	4RKG33495 <u>G9737175</u> , 4RKG33497 <u>G9737176</u>	2666, 2667
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.		

MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
565903	Vanner 100A CANBUS for Odyssey batteries	1

Other part or material that may be required:

Part No.	Description	Qty
684013	Loctite, Black, Color Guard	As req.
685353	Torque Seal, Yellow	As req.
509491	Nylon Cable Tie, Large	2

NOTE

Material can be obtained through regular channels.

Date	Expiration	Release	Page
11.2015	11.2017	1	2(9)

PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop 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. **On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.**

PROCEDURE

INSPECT THE SIX VEHICLES INVOLVED AND REPLACE THE EQUALIZER HAVING THE FOLLOWING SERIAL NUMBER:

—————→ **15117-299914**

1. Access the battery equalizer located in the vehicle battery box (rear engine compartment Fig.1 and Fig.2 below).

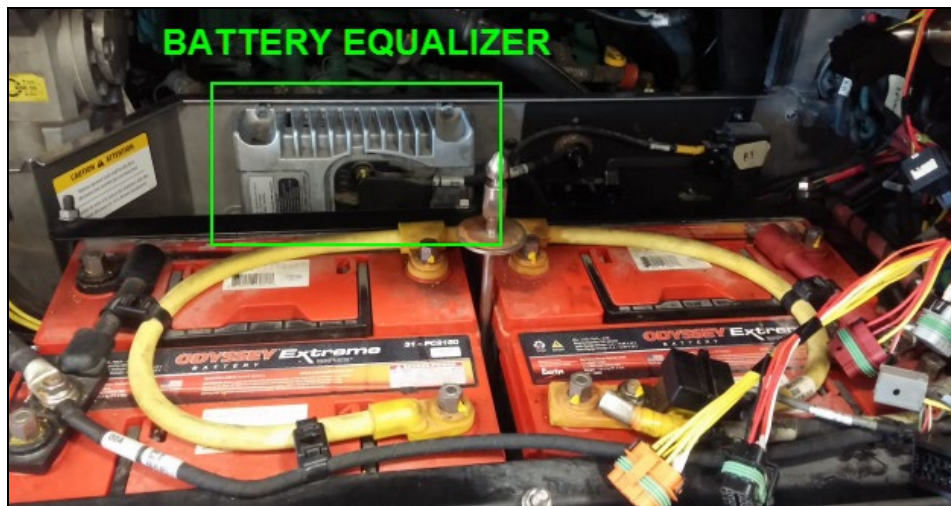


Fig.1 Battery Equalizer location

2. On the battery equalizer, validate the unit serial number located on the information decal applied on the left side of the equalizer body (Fig.3 & 4 below).

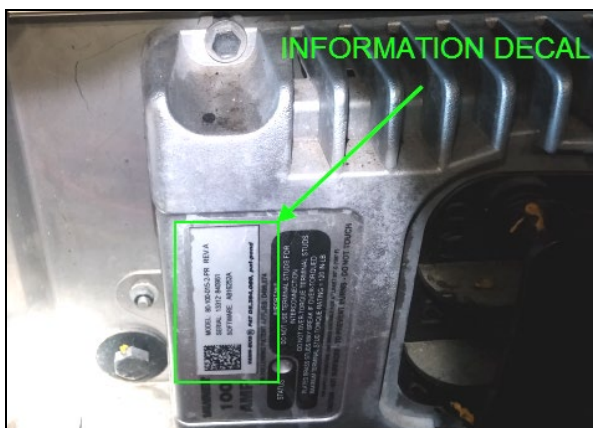


Fig.3 Information decal location

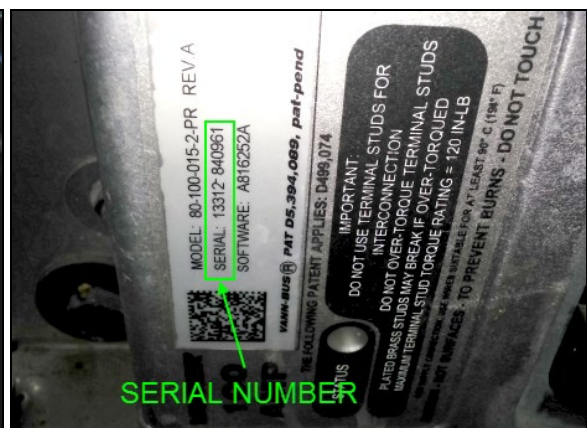


Fig.4 Serial number location

Date	Expiration	Release	Page
11.2015	11.2017	1	3(9)

- On the affected vehicle, first disconnect the batteries starting with the battery ground terminals (Fig.5).



Fig.5 Battery ground terminals to be disconnected first



CAUTION

Equalizer 12 and 24 volt connections are directly fed by the four batteries electrical current.

- Disconnecting the equalizer ground connection will not remove electrical current from the equalizer 12 & 24 volt connections.
- Switching the batteries cut-off switch to the OFF position will not remove electrical current from the equalizer 12 & 24 volt connections.

- Remove the equalizer wire cover (two Phillips head screws identified by arrows in Fig.6 below).

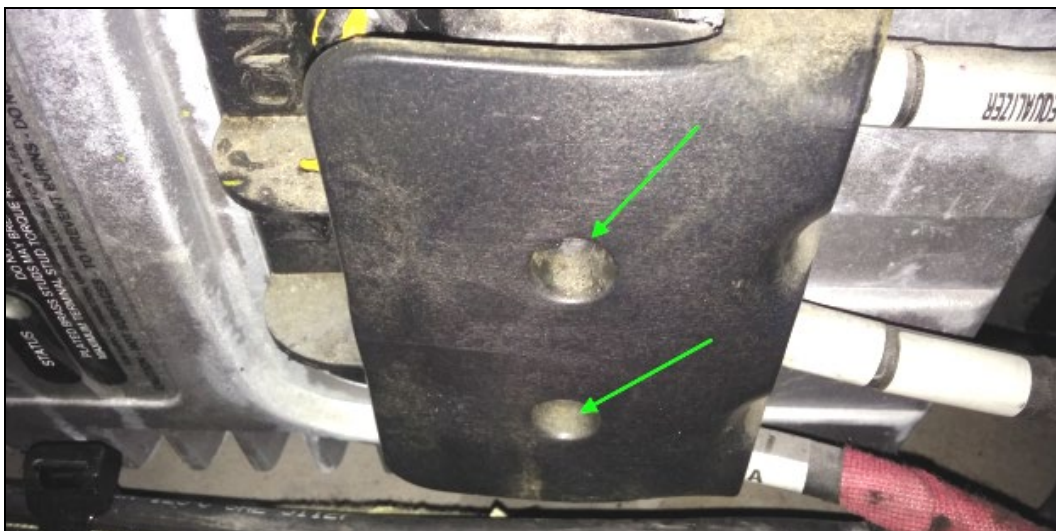


Fig.6 Equalizer wire cover screw location

Date	Expiration	Release	Page
11.2015	11.2017	1	4(9)

5. Disconnect the equalizer ground, 12 volt & 24 volt power wires (Fig.7).

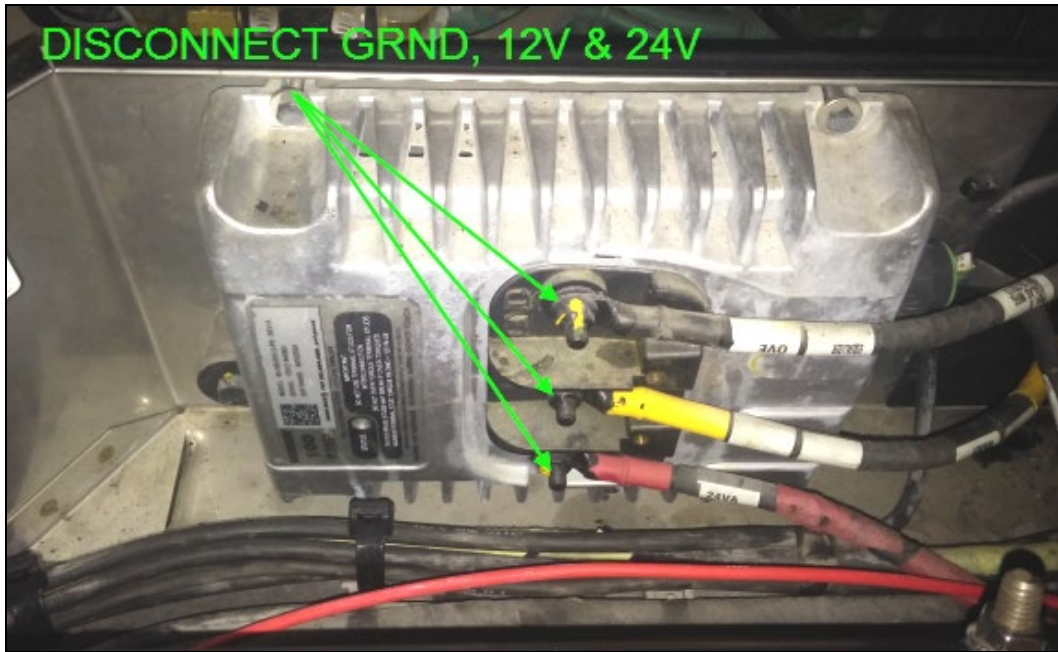


Fig.7 Equalizer power wires and terminal posts.

6. Unscrew and disconnect the equalizer side plug show in Fig.8.



Fig.8 Equalizer side connection & harness

Date	Expiration	Release	Page
11.2015	11.2017	1	5(9)

- Remove the four hex bolts at each corner holding the equalizer to the battery box body (top bolts shown in Fig.9 below).



Fig.9 Equalizer top mounting hex bolts

NOTE: It may be necessary to cut the cable ties holding the vehicle harness at the bottom of the battery box and move the harness away to access the equalizer lower hex bolts.



- Install the new equalizer using the four hex bolts previously removed
- Reconnect and lock (screw) in place the equalizer side plug (Fig.10).



Fig.10 Reconnecting Equalizer harness

Date	Expiration	Release	Page
11.2015	11.2017	1	6(9)

10. Reconnect the equalizer 12 volt, 24 volt and ground terminals (Fig.11).
11. Apply black Color Guard spray to the three terminal posts and let it dry (Fig.11).

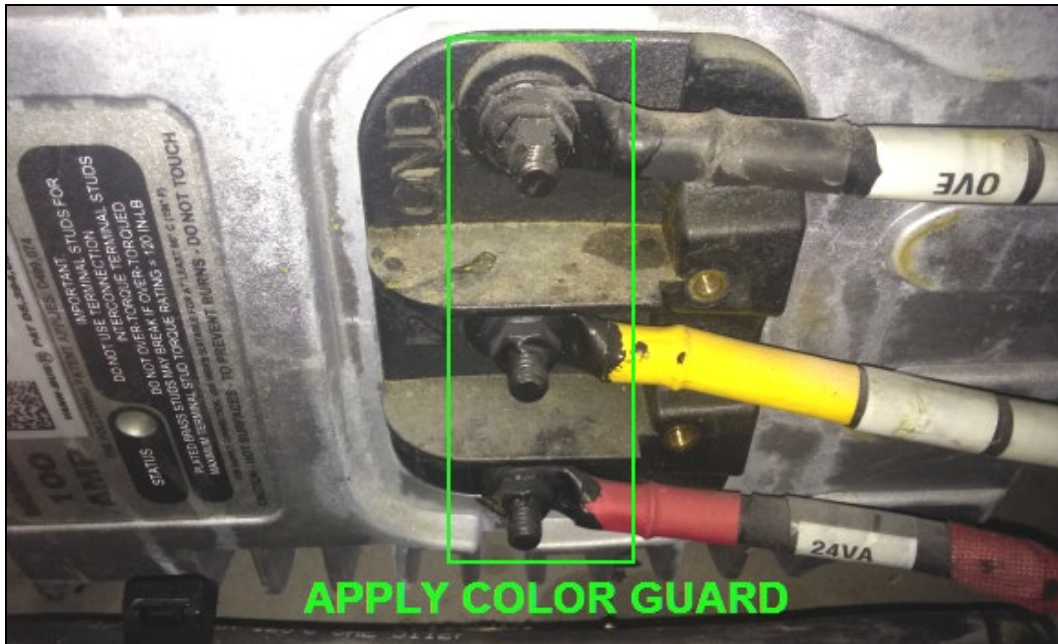


Fig.11 Reconnected power wires and Color Guard application

12. Apply a small amount of yellow torque seal inspection lacquer over the dried terminal posts (Fig.12).

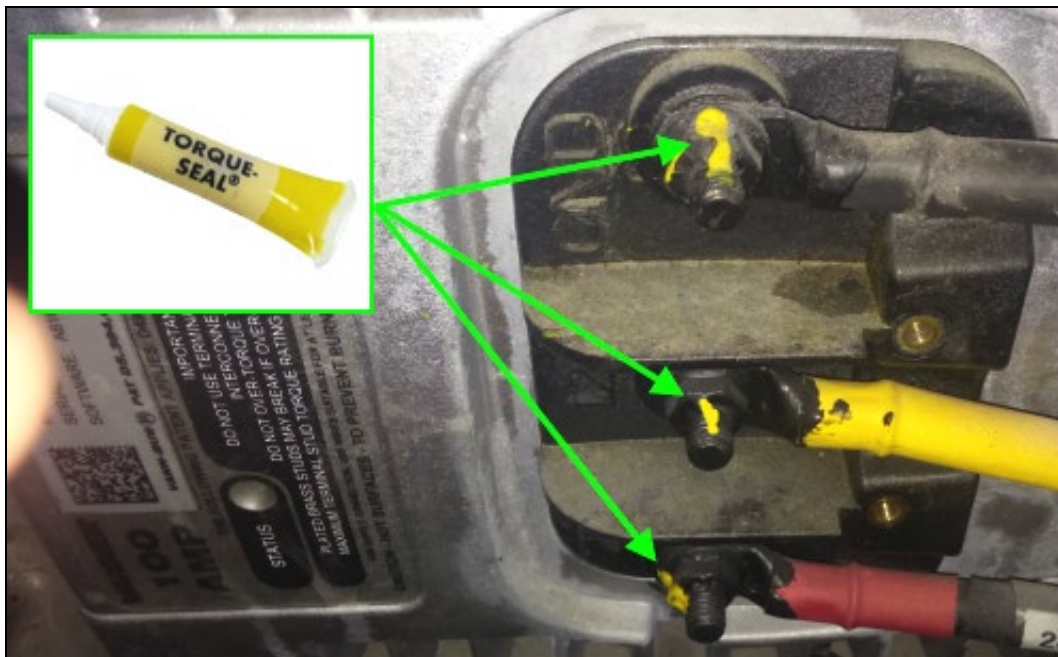


Fig.12 Torque Seal inspection lacquer application

Date	Expiration	Release	Page
11.2015	11.2017	1	7(9)

13. Reinstall the equalizer wire cover shown in Fig.13.



Fig.13 Reinstalled wire cover

14. Reinstall new cable ties at the bottom of the battery box if previously removed during step 7 (Fig.14).

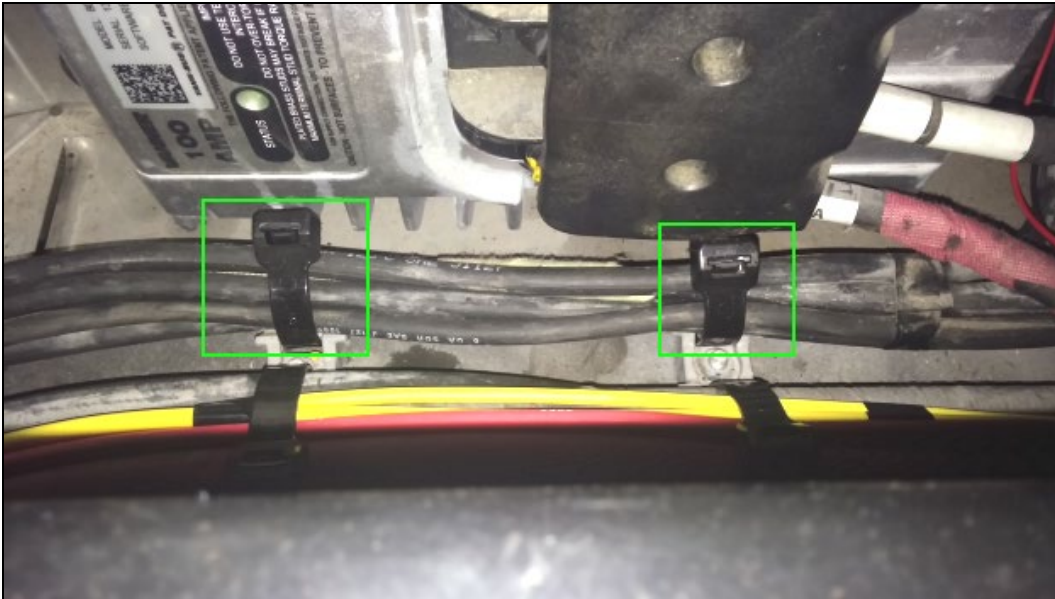


Fig.14 Installed cable ties

Date	Expiration	Release	Page
11.2015	11.2017	1	8(9)

15. Reconnect the batteries following Fig.15 below (apply a small amount of torque seal to the connections).



CAUTION

Positive terminals must be connected first and ground last to prevent sparking.

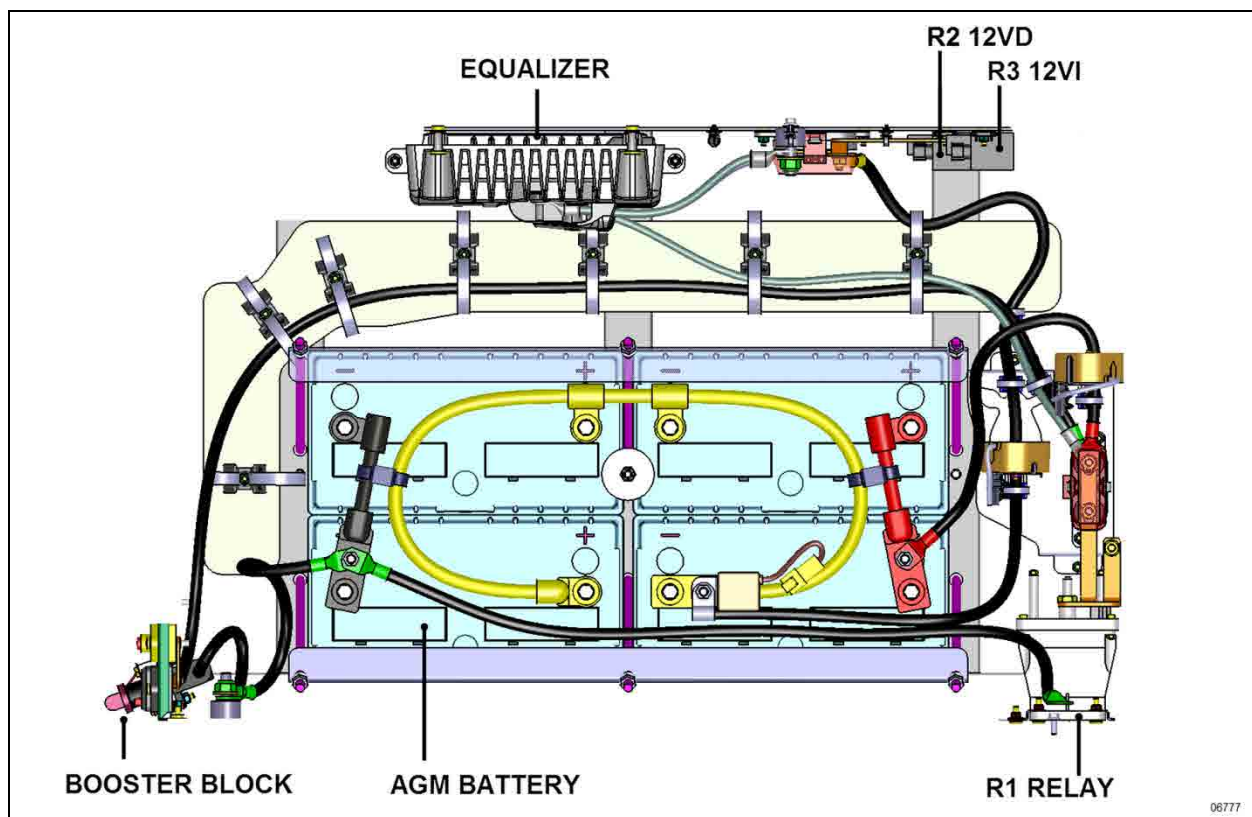


Fig.15 Battery compartment overview

PARTS / WASTE DISPOSAL

Return replaced parts to Prevost with A.F.A. for full reimbursement.
Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is approximately 1.0 hour.

Date	Expiration	Release	Page
11.2015	11.2017	1	9(9)

OTHER

VBC Bulletin	N/A
Fail Code	06.10
Defect Code	09
System Condition	B
Causal Part	067954

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.