

Battery Equalizer Replacement



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Property and Top Bus Number:

Issue: Battery equalizer replacement

Reason / cause: NABI SURE POWER BATTERY EQUALIZER RECALL # 13V-457

Solution: Replace battery equalizer per this work instruction.

Battery Equalizer Replacement



Number of affected buses:

Estimate repair hours/bus: 1 hour

Determine the model number of the Sure Power equalizer that are installed on the affected buses, by visually reviewing the ID label on the equalizer. The replacement equalizer model number to be used depends on which Sure Power battery equalizer is currently installed.

There are only 2 equalizer part numbers affected by this NABI recall as noted below:

Description	Existing potted type Sure Power model number to be replaced:	Replace with new cast type Sure Power model number:
80A Battery Equalizer	52208	21080E00
100A Battery Equalizer	52210 or 52210RB	21100E00

Old Potted Battery Equalizer



New Cast Battery Equalizer



Necessary tools: usual hand tools (wrenches, sockets, screwdrivers, etc.), torque wrench capable to 110 in-lb.

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SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.

1. Park the bus on a flat surface and apply the parking brake.
2. Turn off main battery disconnect switch(es).
3. Tag and disconnect battery cables.
4. Locate the battery equalizer. Refer to the NABI Maintenance Manual about location and safety instructions.
5. Tag and disconnect 12V, 24V and ground cable from the battery equalizer. Tag and remove fuses (if equipped) from battery equalizer studs. Dispose of the original terminal hardware.
6. Remove original battery equalizer from bus.
7. Install new battery equalizer with original mounting hardware. Replace hardware if required. Refer to NABI Maintenance Manual about torque values and NABI Parts Manual about required hardware.
8. Reinstall original fuses to the correct studs of the equalizer. Replace fuses if required. If replacing a 52XXX series part, terminal fuses are no longer needed because there is a circuit protection internal to the replacement units.
9. Reinstall 12V, 24V and ground cable to the correct studs of the new battery equalizer. Use the new hardware provided with the new battery equalizer. Torque nuts on each stud to 110 in-lb.
10. Apply a coating of corrosion inhibitor material (E.g., dielectric grease, insulating paint, etc. such as Glyptol 1201), as per manufacturers application instructions, to battery equalizer terminals to help eliminate corrosion and protect the metal surfaces.
11. Install the supplied terminal cover to the battery equalizer.
12. Reconnect battery cables and turn battery disconnect switch on. The green LED light on the equalizer indicates that the equalizer works.
13. Fill out the attached "Sign off Document" and return as instructed on the bottom of the sheet.

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NABI Sure Power Battery Equalizer Recall # 13V-457

Sign off Document

1. Property Name; _____
2. Bus VIN; _____
3. Bus Number; _____
4. Bus Mileage; _____
5. Date Retrofit; _____
6. Old EQ Serial Number; _____
7. New EQ Serial Number; _____
8. Was the EQ install per work instructions (Yes/No); _____
9. Was the old EQ scrap (Yes/No); _____

Print or type Service Manager/Supervisor Name; _____

Service Manager/Supervisor Signature; _____

NOTE; this form should be filled out in full before payment to be released. Please fax or email this information to;

Scott Geier
Fax; 256-832-0912
Email; scott.geier@nabiusa.com

Kenny Conger
Fax; (256) 835-3558
Email; kenny.conger@nabiusa.com

Work instruction number: L3/FSV-250
L4/QUA-003

Revision: A

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Revision: Initial 4/4