



ILLUSTRATED GUIDE TO UPGRADING YOUR MAGNATEK 6300

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MAGNETEK/PARALLAX 6300 SERIES POWER CONVERTER TO WFCO ULTRA CONVERSION KIT FOR

APPLICATION

- This demonstration was performed on a 1997 Fleetwood Tioga - Class C - Ford E350 Chassis
- The demo should be similar for other applications

SKILLS

- Some good working experience with 12v electric and associated tools
- Beginner: 2-3 hours
- Intermediate: 1-2 hours
- Expert (Done this before): 30 - 60 minutes

RECOMMENDED TOOLS

- Basic socket/ratchet set - 1/4"
- Assortment of Phillips Head / Screwdrivers
- Digital Voltmeter
- Wire stripper
- Side Cutters
- Zip Ties
- Flashlight
- Camera / Pencil Paper (write down where wire leads go upon reinsertion)

PROBLEM OVERVIEW

If your RV has a Magnetek (No longer in business) 63XX power converter you may experience that your house batteries no longer charge when on shore or generator power; however you may have 110 VAC to all of your outlets so things appear to be fine except your are replacing batteries all the time. Other symptoms such as AC, thermostat, refrigerator, furnace, etc and other appliances may fail due to inadequate 12v power supply and/or failing house batteries.

SOLUTION

Purchase a Magnetek 6300/7300 Upgrade Kit from your favorite internet supplier. The 55amp upgrade kit used for this article was purchased from bestconverter.com for \$217 shipped. I received the product within 4 days.

This is truly an upgrade because it replaces your analog converter to digital switching technology for cleaner 12v for sensitive electronics like phones, laptops, LED T.V.s, etc. It also provide three stage charging, Normal, Absorption, Float to correspond to the needs of the battery state. Finally, it has circuit protection if the house batteries are accidentally wired incorrectly. These are all solid reasons on why replacing the entire unit versus spending the time diagnose, track down and replace your current converter a good call.

The kit comes with a very nice book on how to manage 12v electric, the new digital switching circuit board, a new set of screws and the power converter itself.



INSTRUCTIONAL OVERVIEW *

***Disclaimer - This is document is not intended to be the definitive instructional document for this product and should be merely viewed no more than for entertainment purposes only.**

Overview

1. Unbox the product and locate all the parts. Next disconnect all house and chassis batteries. This is also a good time to **VERIFY** that your battery cells are full of water. Follow your battery instructions and safety warnings on how to do this if unsure.
2. Locate the power converter in your RV and remove the four Phillips head screws to your lower section. Turn the upper half latch and remove the entire cover. Turn all off all breakers.

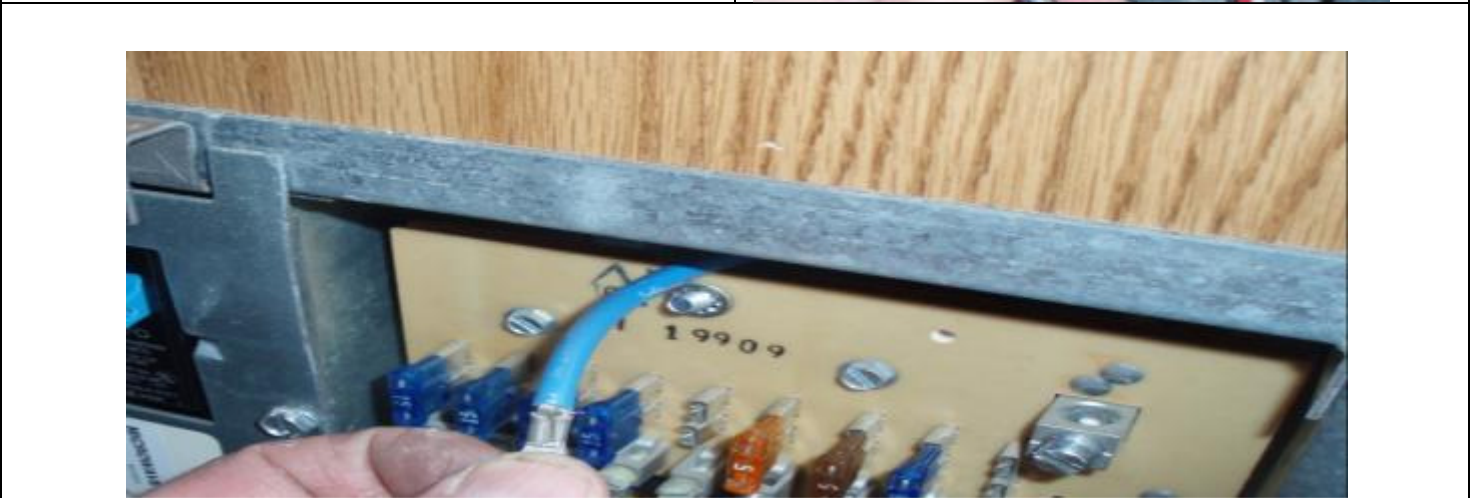
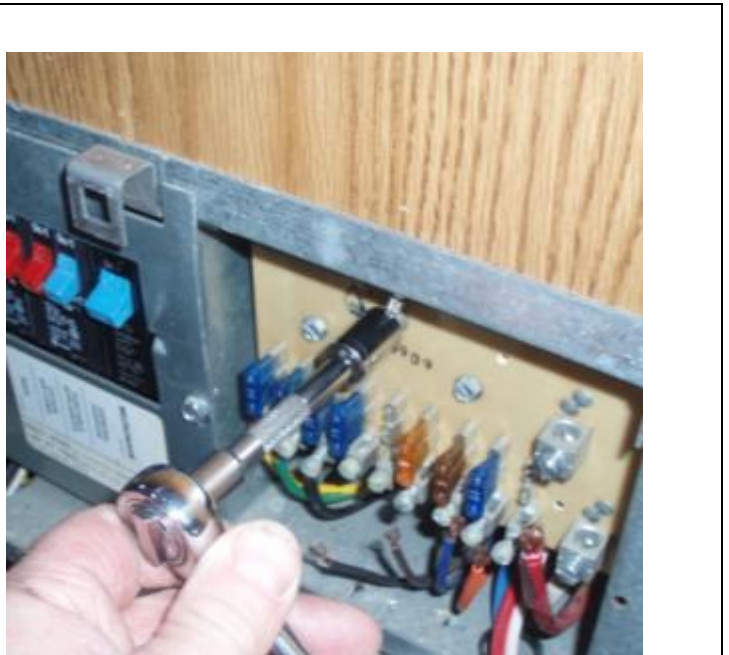
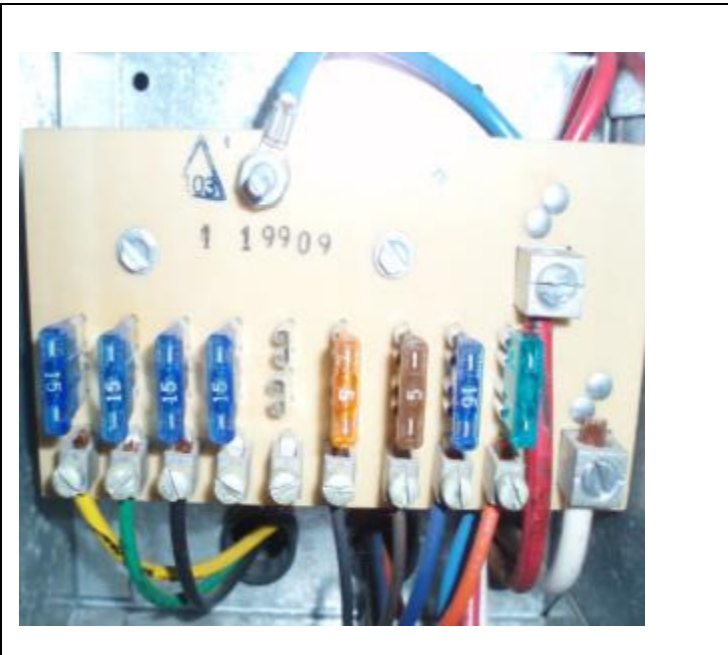




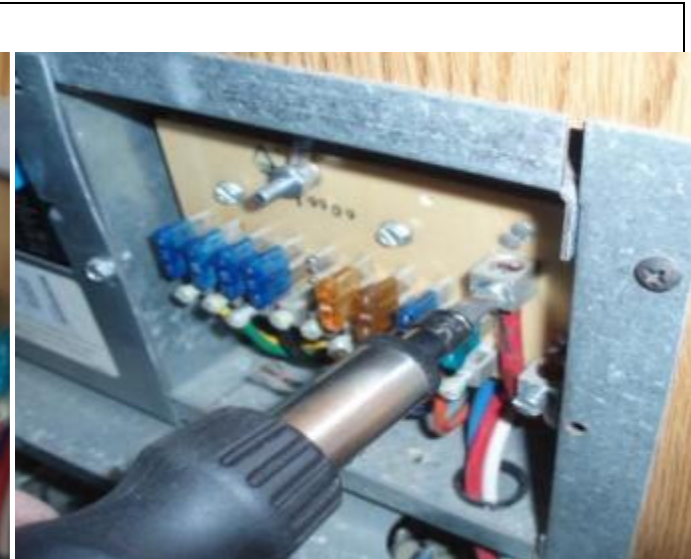
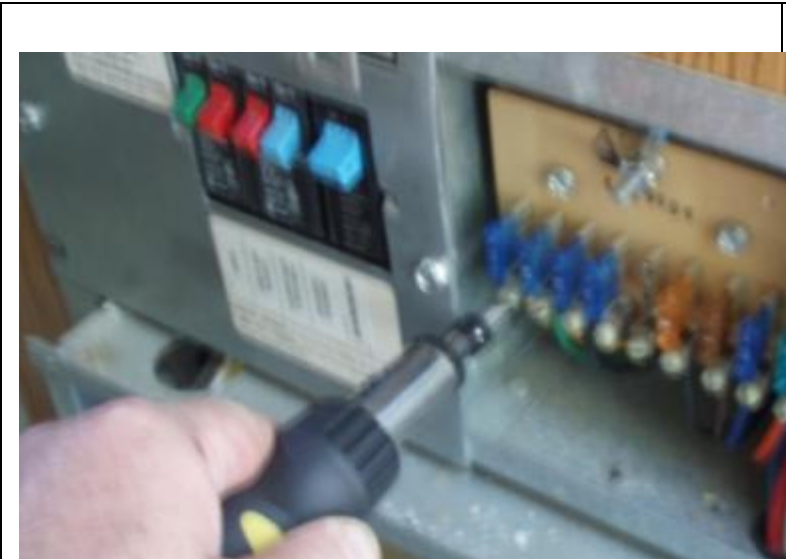
3. Once the cover is fully removed, remove the four screws holding the lower unit in.



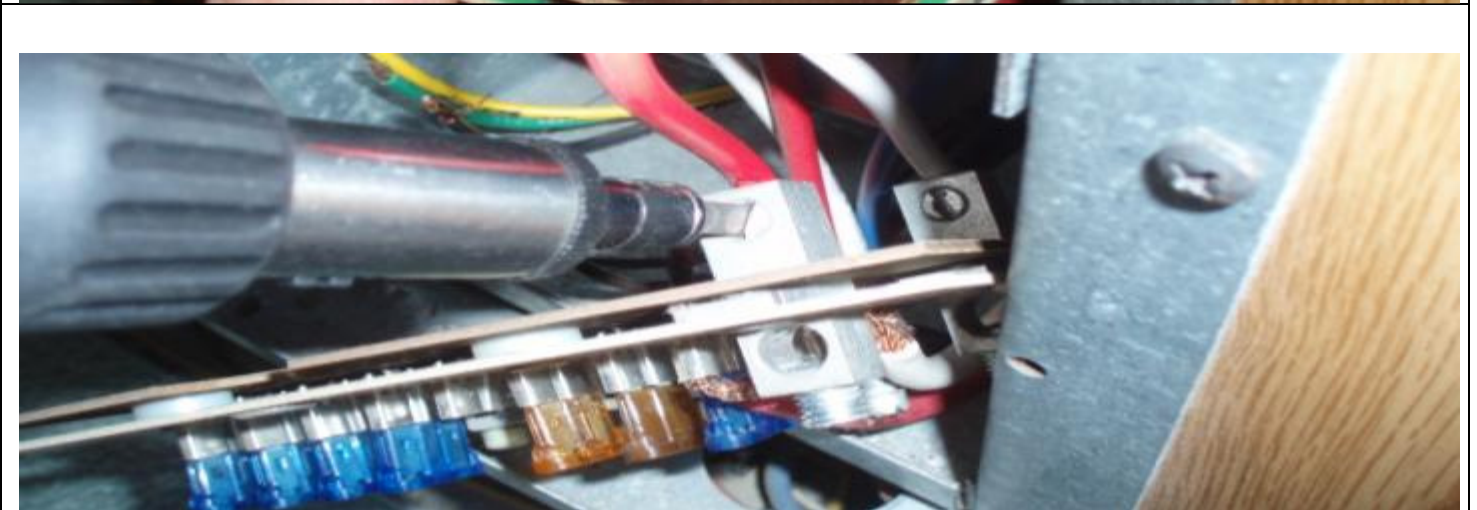
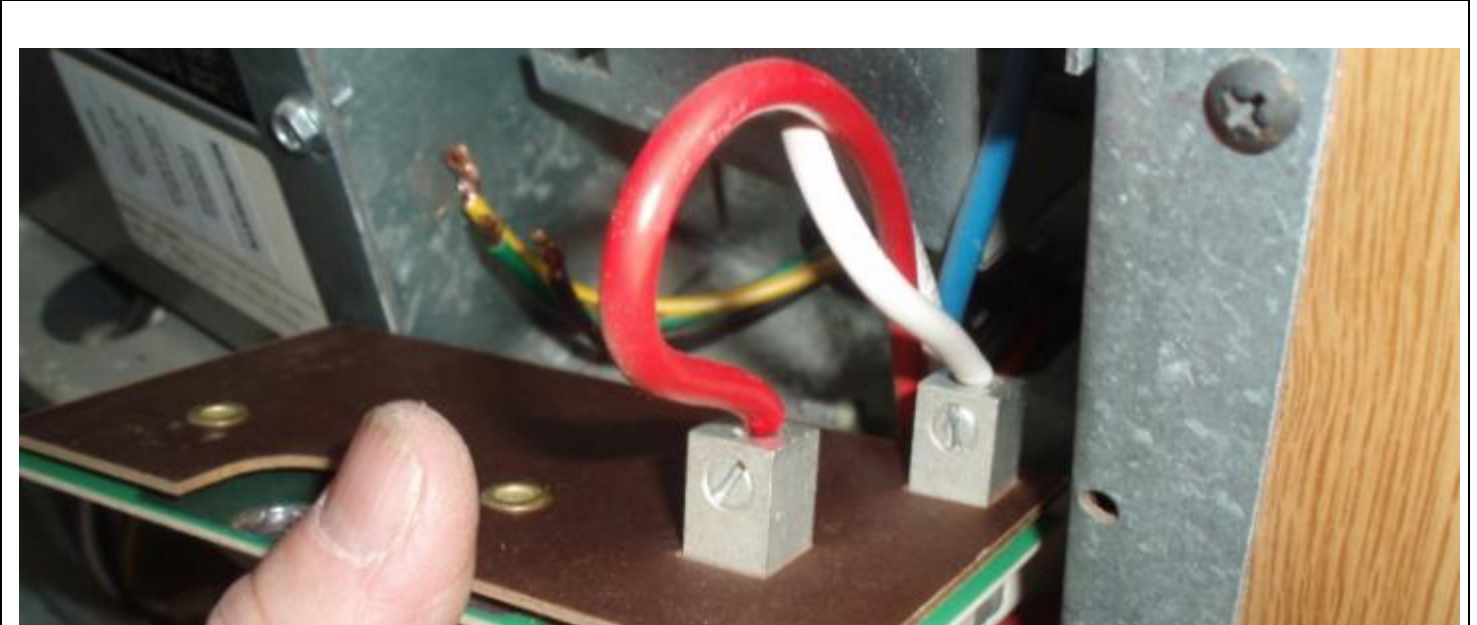
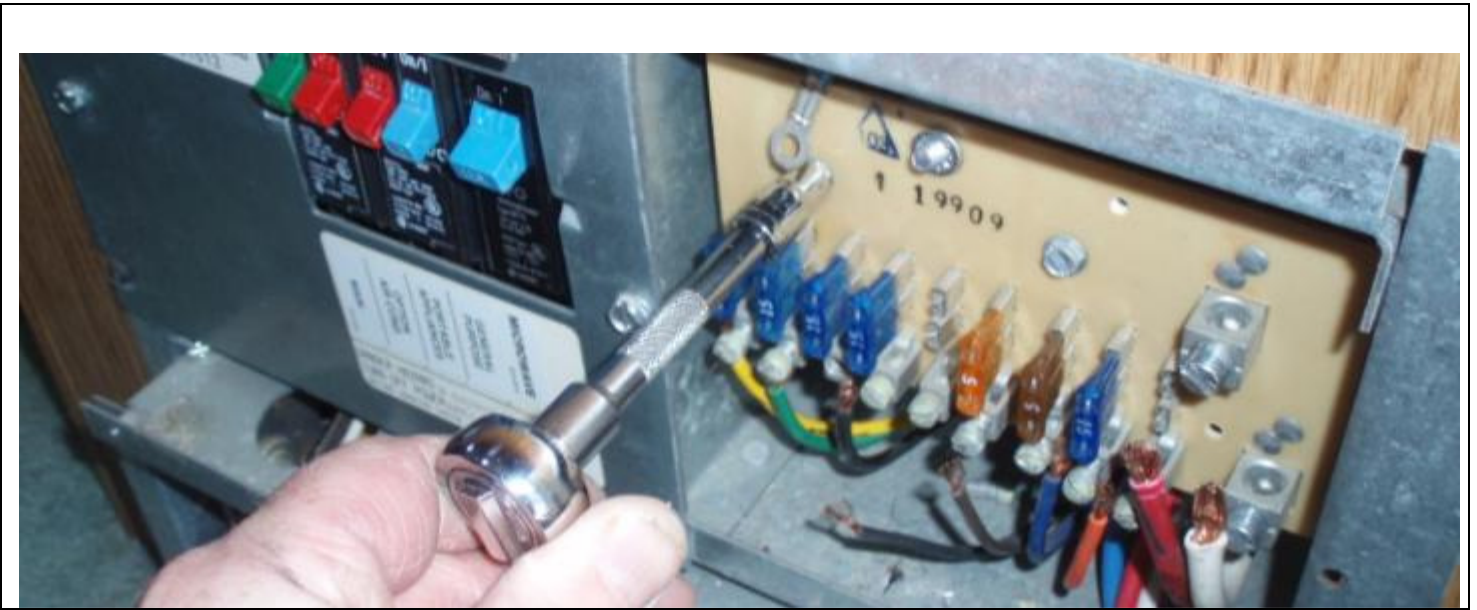
4. Remove the screw holding the blue wire. The blue wire will not be used again or the associated nut and washer.



5. Document, unscrew and remove all DC wires and associated circuit wires.

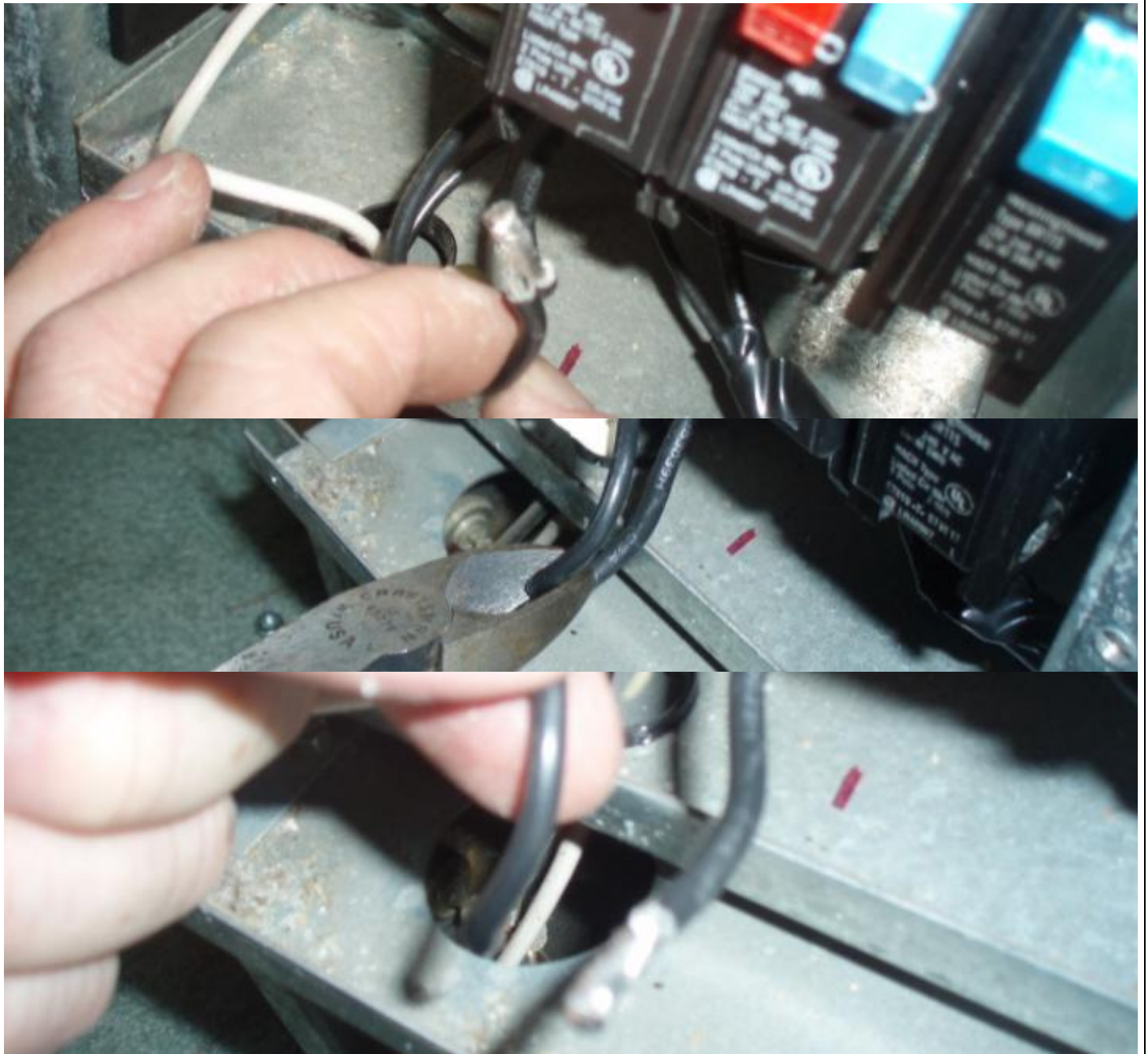


6. Remove the final two screws holding the circuit board in and remove. Unscrew the Red/White wires behind the board once removed:

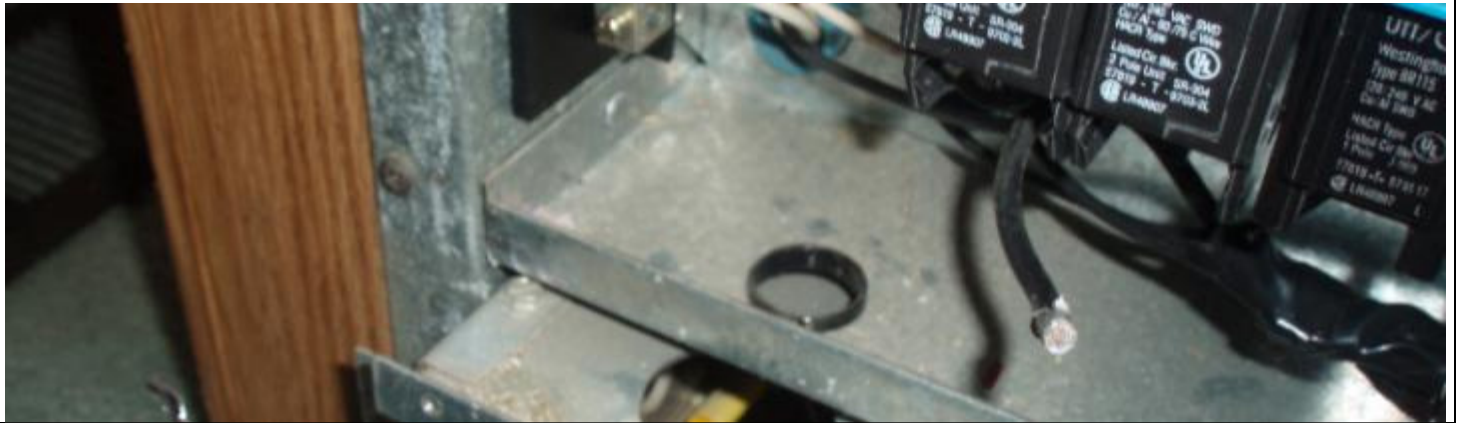
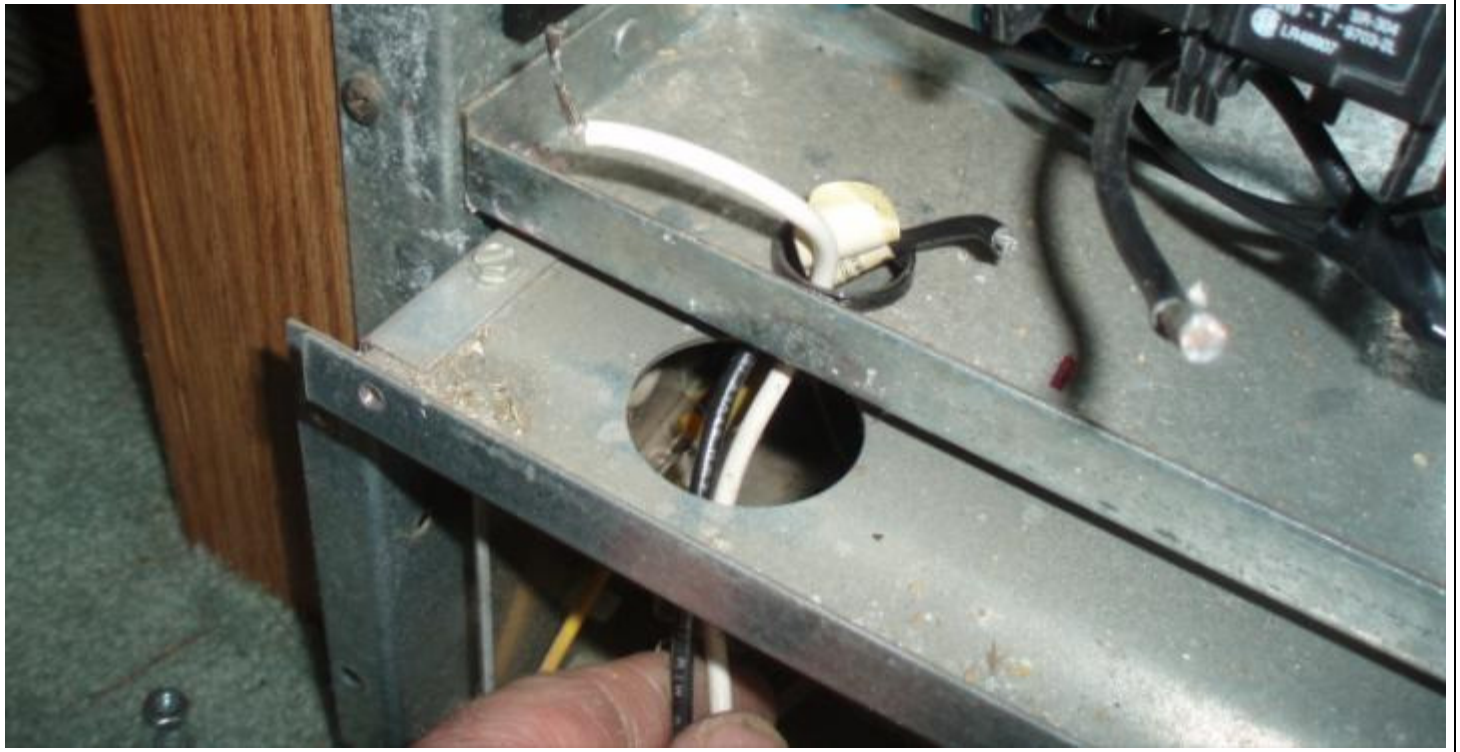


7. Remove the circuit panel screws. Remove the white neutral wire coming up from the lower converter unit.

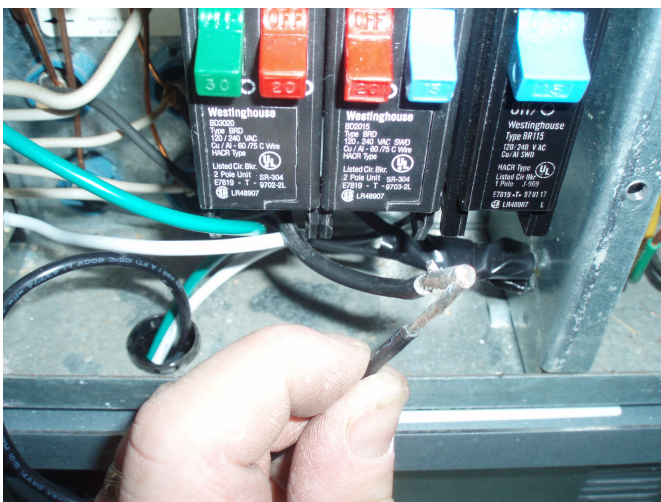
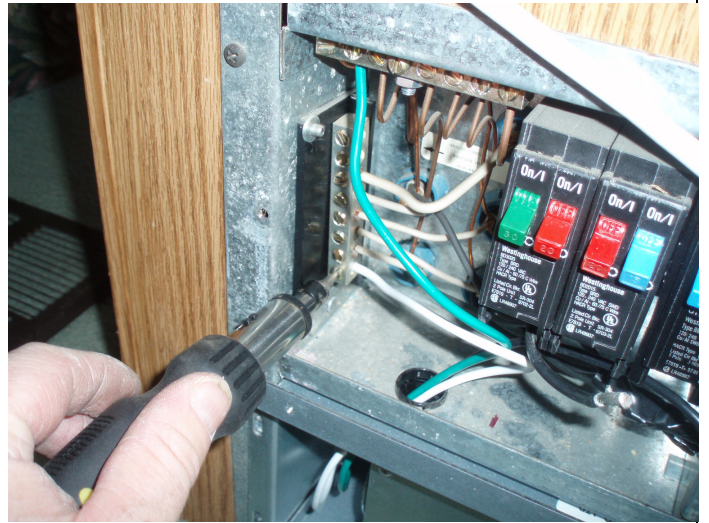
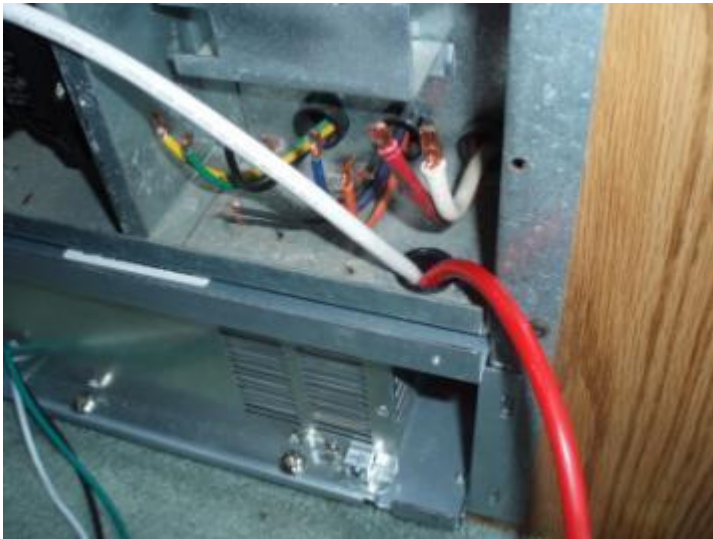


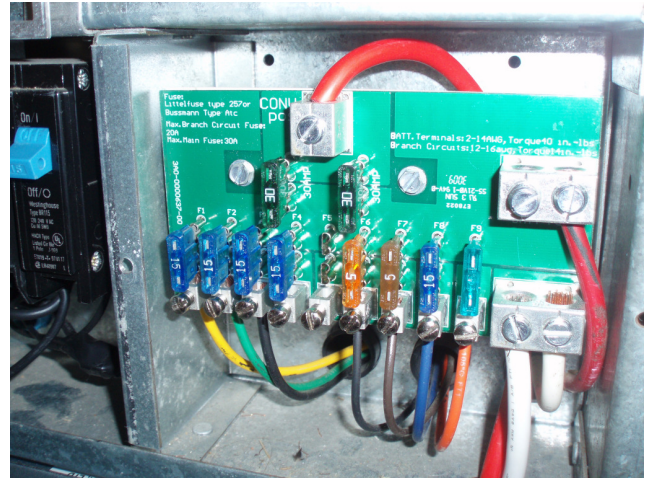
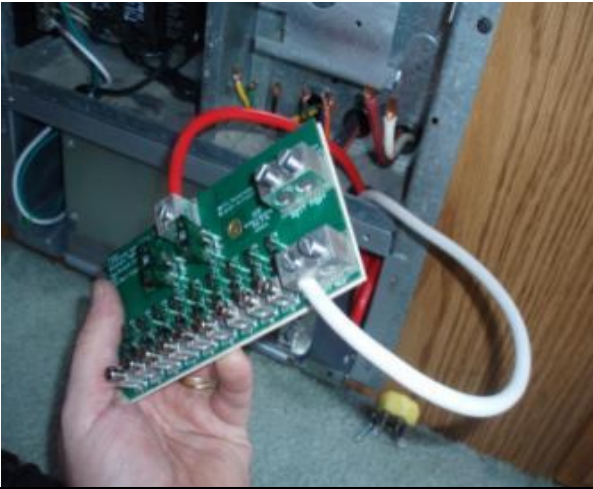


8. Once you have removed the white wire from the neutral bar and cut the black wire from the lower converter to the AC circuit, you are now ready to start feeding the wires through the pre-cut round holes down so as to remove the lower converter.





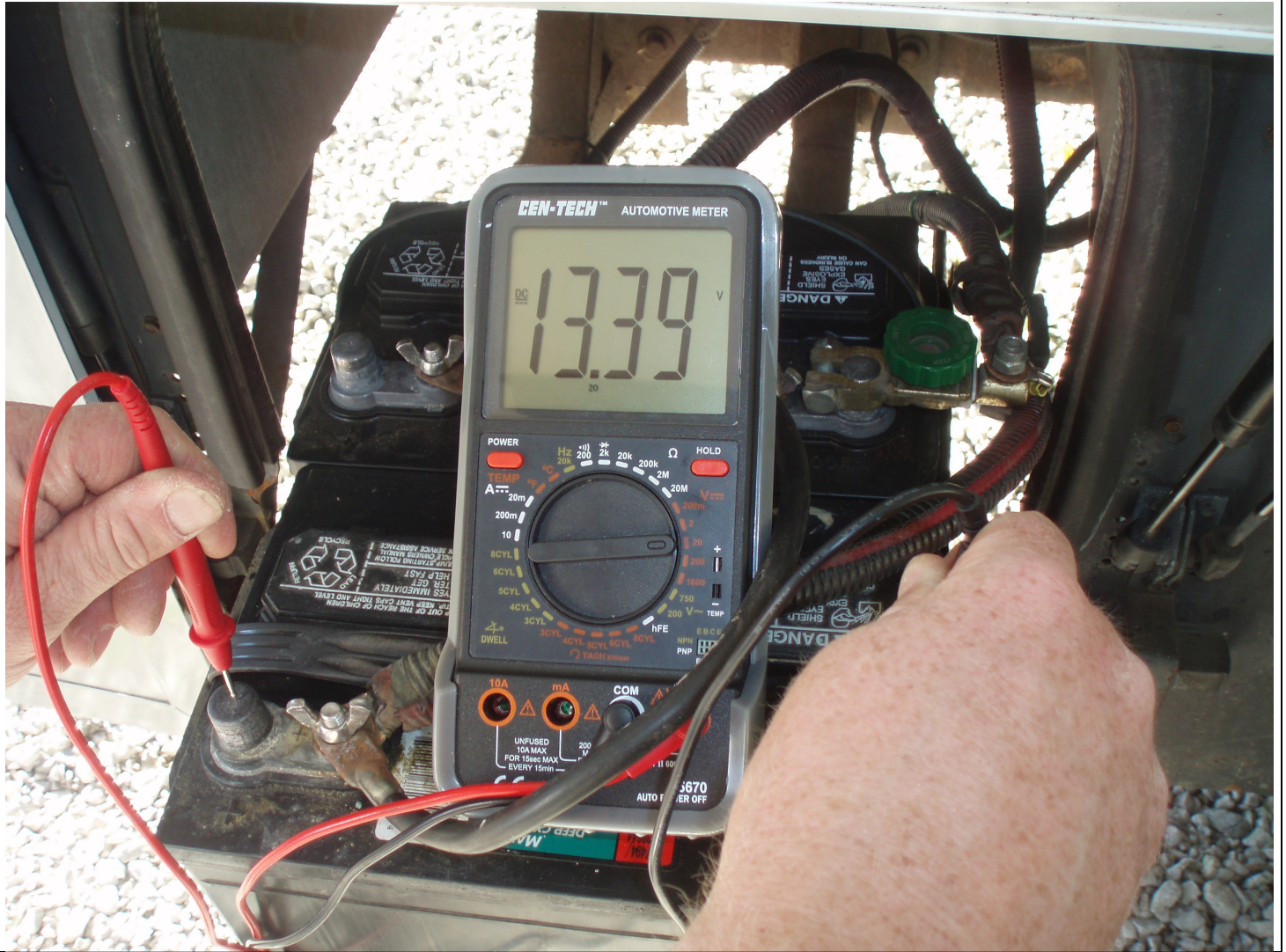




9. Once you have button everything up with the new screws and bolts, reconnect the house batteries. Turn each breaker on 1 by 1 and verify everything is OK. e.g. No Smoke or strange noises.

10. Reconnect shore power to your RV. Give everything a couple of minutes for the converter to fully 'kick in'. You may hear the fan/converter make a louder than usual humming noise for a few seconds. However, after that, mine was whisper quiet.

11. Once you give a few minutes, take your voltmeter to your house batteries and get a reading. As you see below, mine instantly showed a charge of which I didn't have before. After 24 hours, I took another charge and it went to the full 13.6v as expected.



12. Hopefully this solves your problem with battery charging!! Good luck.

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