



Replacement Instructions Model 081-7155-000 Converter PCB Assembly

These instructions are for use when replacing the converter module in a Parallax Power Supply model 7155.

Warning!!! Possible Shock Hazard Exists!!! Refer installation or system diagnosis to qualified service personnel.

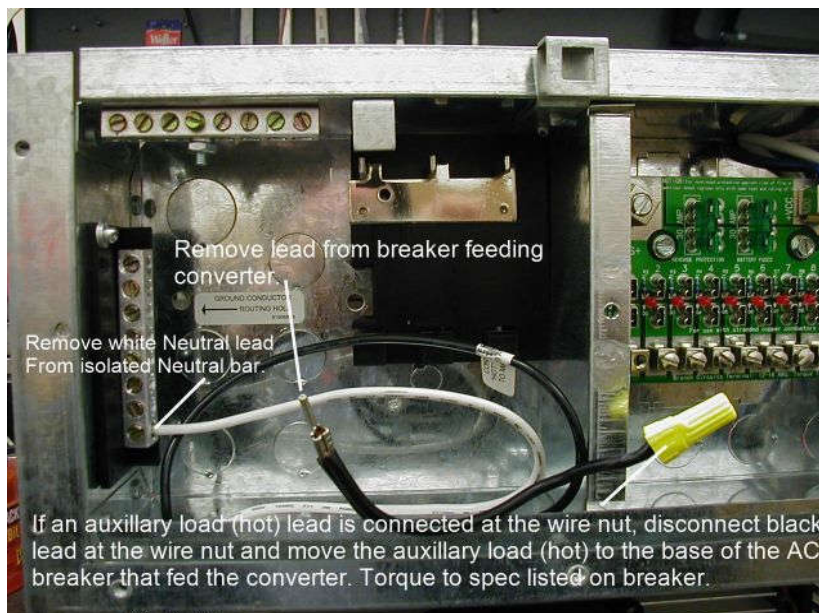
Warning! Disconnect all 120VAC to the RV and battery power at the battery bank before proceeding with this installation!

- Remove the Converter Assembly outer door and the breaker panel cover panel covering the 120VAC circuit breaker compartment.

Converter PCB Assembly Removal:

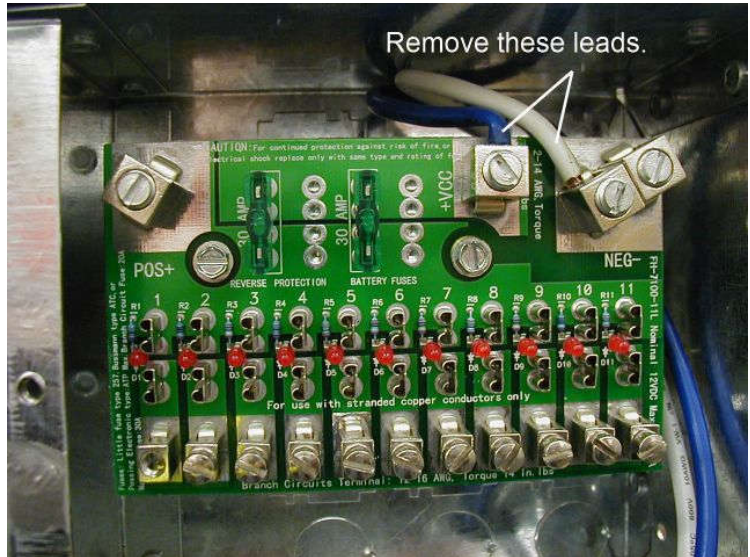
120VAC Connections:

- Remove the 120VAC circuit breaker cover plate.
- Remove the black "hot" wire supplying the Converter PCB Assembly at the 120VAC load circuit breaker. *Note- Converter black "hot" lead may have a crimped "wire pin" at the load breaker end.*
- Remove the Converter PCB Assembly white neutral wire connected at the 120VAC isolated neutral bar.
- Pull the converter PCB assembly 120VAC leads down into the lower converter PCB compartment.



DC Connections:

- Remove the blue **DC Positive** lead connected to the terminal lug marked **+VCC**, and the white negative lead connected to **NEG** on the DC distribution fuse panel.
- Pull DC wiring leads into the lower section PCB Assembly compartment. Note – To gain free access to the converter DC leads it may be necessary to loosen the DC Distribution Fuse Panel from its mounting position in some installations.
- Remove the screws indicated in the photo below.
- Slide the converter module tray out of the chassis.



New Converter PCB Assembly Installation:

- Make sure the replacement Converter PCB Assembly is correctly aligned in the plastic guide rails.
- Slide the PCB Assembly toward the back until fully seated and reinstall the 2 brass PCB Assembly retaining screws removed when the old converter module was removed. Refer to the photo above.

WIRING Connections:

- Pull the black and white 120VAC leads up into the 120VAC breaker compartment.
- Pull the large blue and white DC output leads up into the DC Distribution Panel compartment.
- Verify that AC and DC leads are **correctly routed** into the appropriate upper chassis compartment and **are not pinched or damaged**.

DC Wiring

- Connect the new Converter PCB Assembly **blue DC positive** lead to the terminal lug marked **+VCC**, and the **white DC negative** lead to the **NEG-** terminal lug on the DC distribution fuse panel.
- Tighten the converter PCB Assembly DC output wiring connections according to the specifications indicated on the DC Distribution fuse panel.

120 VAC Wiring

- Reconnect the wire pin on the black “hot” line conductor to the 120VAC branch load breaker that supplied the converter prior to the converter removal. Reconnect the branch circuit black “hot” line conductor to the “pigtail” lead at the yellow wire nut if there was a “hot” conductor originally connected to the “pigtail” lead.
- Reconnect the Converter PCB Assembly white neutral wire to the 120VAC isolated neutral bar.
- Tighten the 120VAC wiring connections per specifications on the 120VAC load breaker and the neutral lead to specifications for the terminal bars on the AC wiring label. The AC wiring label is located on the back of the breaker compartment cover panel.
- Recheck all connections before reinstalling the breaker panel front cover panel and the Converter Assembly outer door.
- Verify proper battery wiring polarity before reconnecting the battery bank. Reconnect 120VAC power to the RV.

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