

# PS PARALLAX<sup>®</sup> POWER SUPPLY

## REPLACING A WFCO CONVERTER MODULE USING THE PARALLAX MODEL 081-7155-000 CONVERTER PCB ASSEMBLY

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

Installing a Parallax 081-7155-000 module in place of the WFCO 8955 PEC converter module is a quick and relatively simple process that should not take over a ½ hour to complete in most instances. Let's start with the steps necessary to remove WFCO converter module.

### Converter PCB Assembly Removal:

#### 120VAC Connections:

- Remove the Converter Assembly outer door to gain access to the 120VAC circuit breaker compartment.
- Remove the (black) "hot" line wire supplying the Converter PCB Assembly at the 120VAC load circuit breaker. *Note- Converter black "hot" lead may have a crimped "wire pin" joining a second black lead at the load breaker end. If the black lead with the yellow wire cap is in use, disconnect the black wire connected at the wire cap temporarily.*
- Remove the Converter module assembly (white) neutral wire connected at the 120VAC isolated neutral bar.
- Pull the converter module 120VAC leads down into the lower converter module compartment.



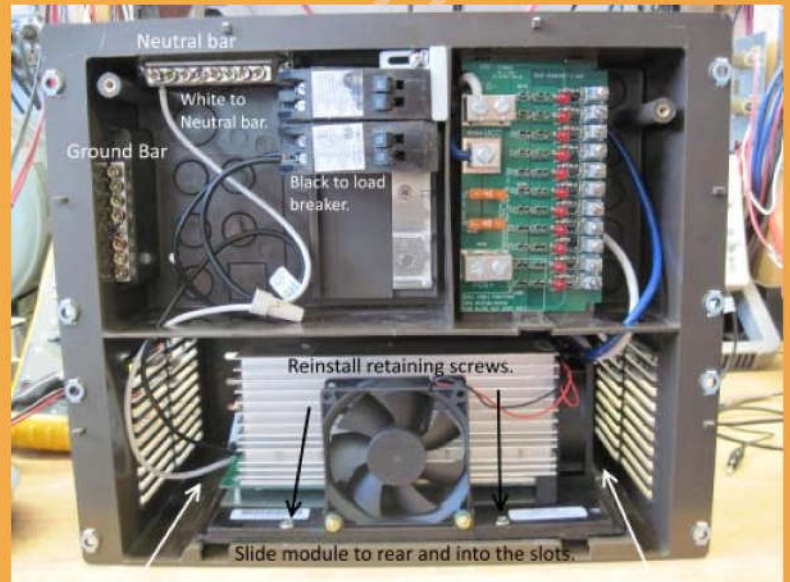
#### DC Connections:

- Remove the Red **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:

- Slide the new 081-7155-000 converter module toward the back and make sure the replacement Converter PCB Assembly is correctly aligned in the plastic guide rails at the back of the plastic chassis.
- When pushed all the way in until fully seated, reinstall the 2 chrome retaining screws removed when the old converter module was removed. Refer to the photo 2.

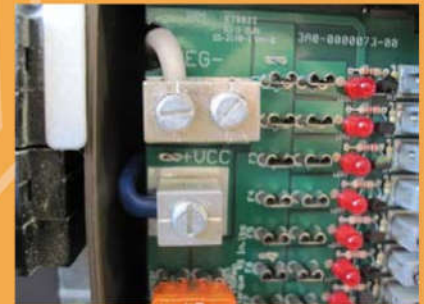


### WIRING Connections:

- 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** as shown in Photo 2.

### 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. Refer to Photo 3.
- Tighten the converter PCB Assembly DC output wiring connections according to the specifications indicated on the DC Distribution fuse panel.



### 120 VAC Wiring Refer to photo 2.

- 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 Converter Assembly outer door.
- Verify proper battery wiring polarity before reconnecting the battery bank. Reconnect 120VAC power to the RV.