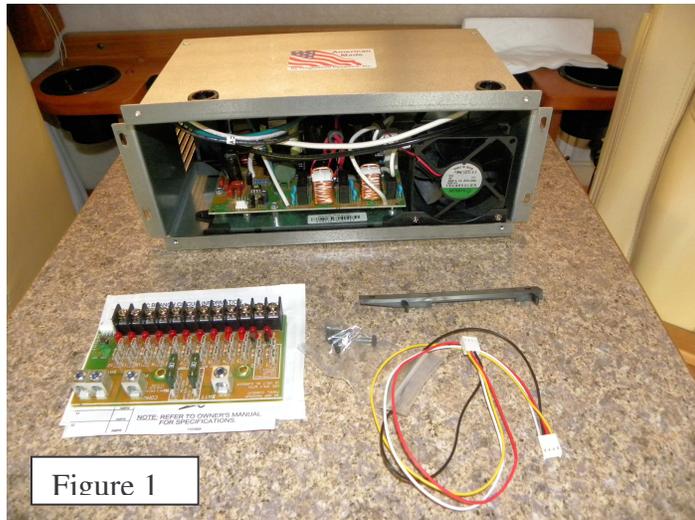


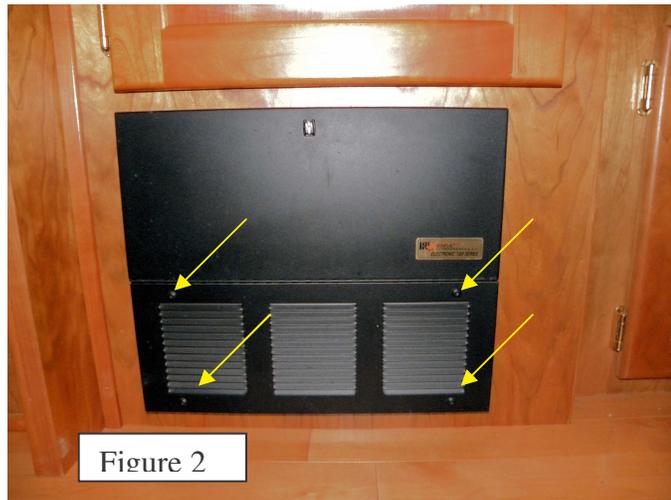
Progressive Dynamics Inc. PD4655 Installation

Replacing a Parallax/Magnetec 7345 in a 2004 Born Free

1. Disconnect the shoreline power plug.
2. Remove the negative post terminals from the coach batteries.
3. Figure 1 shows everything that came with the PD4655.



4. Remove the 4 screws securing the front panel. The new PD4655 provides new screws.



5. Remove the 2 screws from the AC power section



Figure 3

6. In the AC section, disconnect the white neutral converter feed wire from the block connector on the left hand side. The feed wires will be multi-strand wire. All the other wires will be solid 12 gauge copper. See yellow arrow in figure 4.

7. Disconnect the black hot wire from the AC main breaker. See green arrow in figure 4.

8. Pull the AC wires out of the AC section into the converter box.

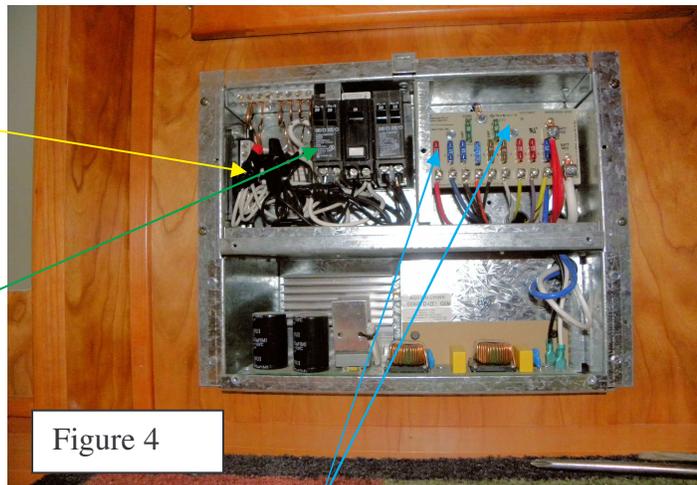


Figure 4

9. Remove the 2 DC power distribution board mounting screws.

10. Pull the DC board outward and remove the blue wire from the top of the board, and the red and the white wires from the **BACK** side of the board. Pull the wires through the hole at the bottom right of the DC power section.



Figure 5

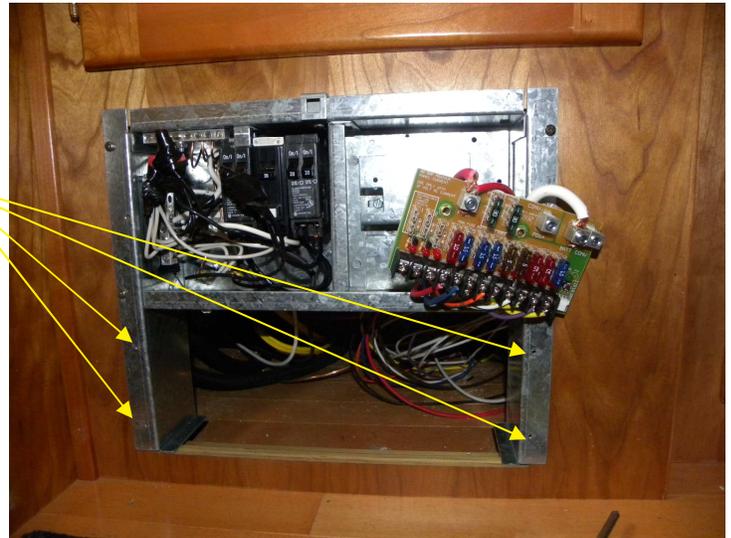
11. Remove the red wire from the **FRONT** of the old DC board. At this point get the new DC board and reconnect the red wire to the terminal named "**BATT POS+**" on the new board. Remove the white wire from the **FRONT** of the old DC board, and reconnect to the terminal named "**BATT NEG-**" on the new DC board.

12. You can now start to move the branch circuits from the old board to the new one. My old board had nine fuses and the new board had twelve. The new board's 1 & 2 are for low current circuits (5 Amps) so I just moved the old circuit 9 to the new circuit 12, 8 to 11, 7 to 10, etc. Move the fuses as you go.

13. Remove the 4 screws securing the old converter and remove the old unit.

14. Slide the new unit into the hole. Route the black/white/green wires into the AC power section.

15. Route the black/white wires into the DC section. The new unit has two grommets on each side of the box. This makes it very easy to feed the wire into the appropriate section. Replace the 4 screws in the new converter unit.



16. In the AC section, connect the white neutral wire to the neutral distribution block where you removed the original white wire. The original unit did not have a green ground wire but the new unit does. The ground distribution block is horizontal at the top left of the AC section. The solid wires that are in the ground block will be bare copper wires with no insulation. I had several empty ground terminals so I did not have to double up any ground wires.

17. Connect the black hot wire to the AC Main breaker.

18. Replace the AC power section cover with the 2 screws removed in step 5.

19. In the DC power section, route the new converter DC wires **behind** the new DC distribution board. Connect the converter black wire to the distribution board terminal labeled "**CONV POS+**". Connect the white wire to the terminal labeled "**CONV NEG-**"

20. Be sure to keep the new DC feed wires behind the DC board and secure the board with the 2 screws removed in step 9.
21. Connect the 4-pin header on the DC board to the 4-pin header on the converter board with the 4-wire harness.
22. Replace the power center cover using the 4 new screws that came with the new converter.
23. The new kit has a label provided that you can enter the branch circuit information and stick it over the existing label.