

POWER SOLUTION

www.jtbmfg.com

Owner's Manual

JTB Manufacturing, Inc.

Part No. 2010-100

Manufacture Date

Year: 2011 Month: _____

Serial Number

Electrical Ratings

120VoltAC, 1 Phase, 50/60 Hz, 20 AMP

Type 1 Enclosure

TRANSFER SWITCH



JTB Warranty and Service Policy to Original Registered Owners

The JTB Power Solution has an original owners warranty for each new unit against

All workmanship and defects in materials for a period of one full year. JTB will

Replace any parts that are defective without any charge for the part.

All warranty claims will be issued through the www.jtbmfg.com website.

Within the website there will be a Warranty tab. Go to it fill out for a Return Goods

Authorization form and we will do the rest in getting you another part to get your JTB up

and running. A copy of the original Sales Slip and Serial Number will be required to

complete the RGA .

If there is any question you can contact us at CustomerService@jtbmfg.com.



Installation Instructions

Step 1: Be sure to disconnect all Power to your RV.

Step 2: Locate your Main Breaker Panel, then locate your area where your existing Power Cord exits the RV.

Step 3: You have to run two #10-2/G from the Main Breaker Panel to the JTB Power Solution Box. The JTB Power Solution Box needs to be mounted in the area close to the Power Cord exit of the RV to prevent extending the power cord. Also the distance from the Main Breaker Panel and the JTB needs to be less than 25 ft. if you purchased an install kit.

Another option: If you can mount the JTB within 10-12 ft. of the Main Breaker box by using one of the 25ft. #10-2/G and cutting it into two 12ft. pieces then do so. Then if needed use the other 25ft. #10-2/G for extending to the desired Power Cord exit location. To do this you only have to add a metal splice box and some wire nuts which will NOT be part of the installation kit.

Step 4: Once you figure out where you are going to put everything pull the TWO #10-2/G Orange wires from the Main Breaker Panel to the JTB Power Solution Box. Be sure to ID each wire for it is important to know.

- A. ID one of the 10-2/G as A/C wire on both ends.
- B. ID one of the 10-2/G as PANEL wire on both ends.

Step 5: Mount your JTB Power Solution Box with screws provided.

Step 6: Knock Out and install two wire clamps on the left side of the JTB and insert the two #10-2/G wires into JTB. Strip the wires leaving enough wire to hook up inside the box to the terminals.

Step 7. Hook up both bare #10 grounds to the grounding bar.

Step 8. Hook up the white wire of the A/C wire to the A/C Neut. Terminal on the Circuit Board.

Page 2

Step 9. Hook up the Black wire of the A/C wire to the A/C L1 Terminal on the Circuit Board.

Step 10. Hook up the White wire of the Panel wire to the Panel Neut. Terminal on the Circuit Board.

Step 11. Hook up the Black wire of the Panel wire to the Panel L1 Terminal on the Circuit Board.

Step 12. Now go to the Panel and locate the circuit with the 2nd Air Conditioner on it. TURN IT OFF. Now remove the Panel cover. Then disconnect that wire from the Circuit Breaker and from the Neutral and also disconnect the bare Ground wire.

Step 13. Now pull the 2 #10w/G wires into the Circuit Breaker Panel.

Step 14. Hook up the bare wire of the wire ID as Panel to the grounding bar inside the Panel.

Step 15. Hook up the White wire of the wire ID as Panel to the Grounding bar also.

Step 16. Hook up the Black wire of the wire ID as Panel to the 20 AMP Breaker.

Step 17. Hook up the bare wire of the wire ID as A/C to the bare wire that you took from the circuit breaker and use the wire nut to splice them together.

Step 18. Hook up the White wire of the wire ID as A/C to the White wire that you took from the circuit breaker and use the wire nut to splice them.

Step 19. Hook up the Black wire of the wire ID as A/C to the Black wire that you took from the circuit breaker and use the wire nut to splice them.

Step 20. Be sure all wires are connected correctly to the instructions.

Step 21. Replace cover when all is correct.

Step 22. Now go back to the JTB Power Solution Box and knock out opening and install wire connector in the circuit box and place the 30 ft.—30AMP Power Cord.

Step 23. Hook up the Green wire of the Power Cord to the ground bar in the 20 AMP Breaker Box.

Step 24. Hook up the White wire of the Power Cord to the Neutral Bar in the 20 AMP Breaker Box.

Step 25. Hook up the Black wire to the 20 AMP Breaker in the Breaker Box of the JTB Power Solution Box.

Step 26. At this time go over again each step and be sure you have hooked up everything just as we have instructed. Be sure all connections are tightened to specified torques.

Step 27. Close up all Boxes and tighten screws.

Step 28. Make sure the appliance that is on the JTB system is turned OFF before powering up your JTB.

Step 29. Plug up your JTB to the Park Power and test your unit.



Operating Manual

If you want to remove your appliance from the main circuit panel and add 20 AMPS more all you do is turn that appliance OFF and go outside and plug your JTB Power Solution's power cord to the 20 AMP GCFI. Now go back inside and turn the effected appliance ON and begin enjoying your new comfort without tripping breakers.

If you do not need to use the extra power then do not plug up your JTB Power Solution cord and it will stay in the Main Circuit Panel.

There is no maintenance necessary for the JTB Power Solution Unit.

If you have any problems go to www.jtbmfg.com for customer service.

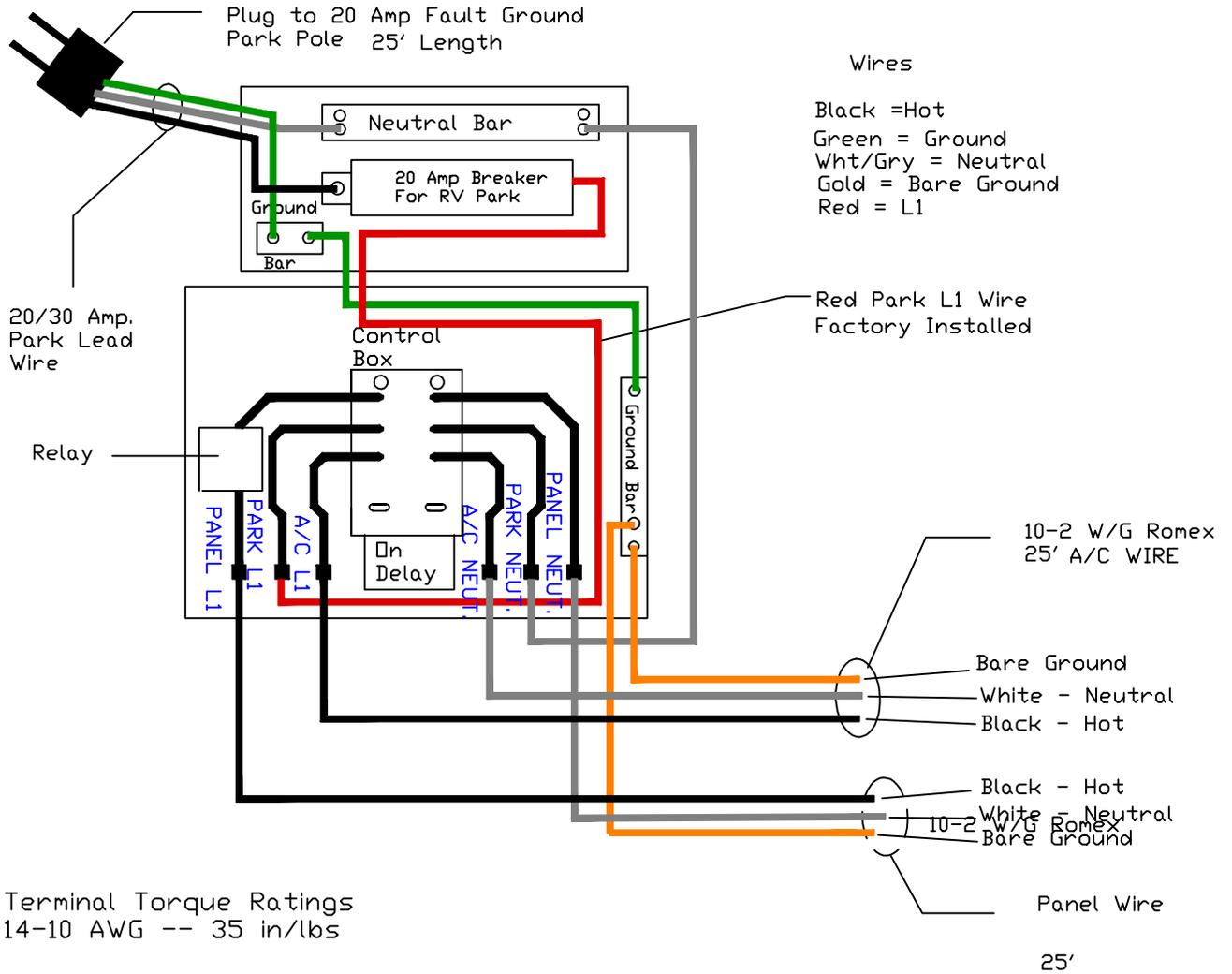


Testing the JTB Power Solution

To test your JTB just turn OFF the effective circuit breaker in the Main Circuit Panel that is in your RV. Now go and plug in your JTB Power Solution. Then go and turn ON your A/C unit or appliance that you hooked up to the JTB Power Solution. If it runs then your JTB unit is working properly. Now turn the effective circuit breaker back ON that you turned OFF in the Main Circuit Panel and enjoy the extra 20 AMP's of power that your JTB has provided for you.

USER REFER TO OPERATING MANUAL FOR TESTING AND MAINTENANCE

JTB POWER SOLUTION WIRING DIAGRAM



USE COPPER WIRE ONLY

Suitable For Use With 60° C Copper Wire

WARNING

This TRANSFER SWITCH is rated for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes, 120 volts maximum.

DANGER

HAZARD OF ELECTRICAL SHOCK, EXPLOSION OR ARC FLASH.

Plug to 20 Amp Fault Ground
Park Pole

Wires

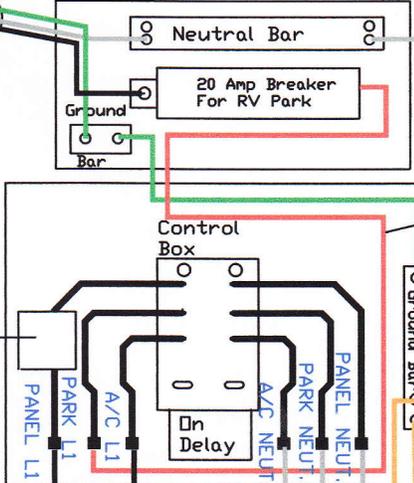
Black = Hot
Green = Ground
Wht/Gry = Neutral
Gold = Bare Ground
Red = L1

20/30 Amp.
Park Lead
Wire

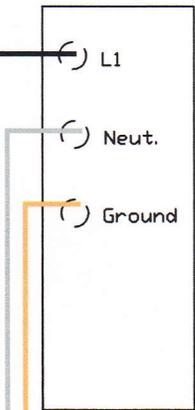
Relay

Red Park L1 Wire

10-2 W/G Romex
25' A/C WIRE



Goes To 30 Amp Plug
At Park Power Pole



End Roof Mount A/C
Unit

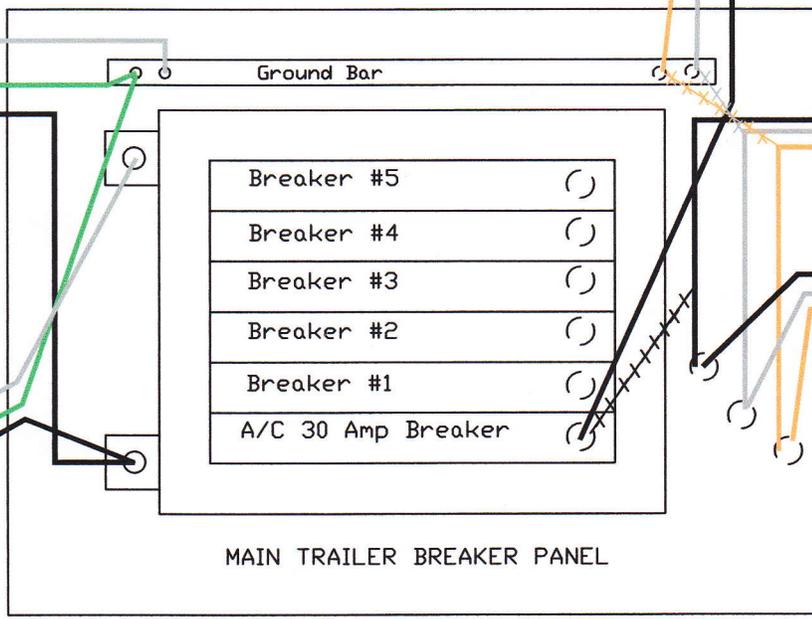
#10-2 W/G
Romex
25' PANEL WIRE

Wire From Panel
to A/C Unit

30 Amp Trailer
Plug

OR

50 Amp Trailer
Plug



MAIN TRAILER BREAKER PANEL