



**POWER SOLUTION**

[www.jtbmfg.com](http://www.jtbmfg.com)

# Owner's Manual

**JTB Manufacturing, Inc.**

**Part No. 2010-100**

**Manufacture Date**

**Year: 2013 Month: \_\_\_\_\_**

**Serial Number**

**Electrical Ratings**

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

**Type 1 Enclosure**

**AUTOMATIC CIRCUIT 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](http://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](mailto:CustomerService@jtbmfg.com).



## Installation Instructions

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

Step 2: Locate your Main Breaker Panel, and 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.

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 2<sup>nd</sup> 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.

**Note:** Make sure the A/C Circuit Breaker in the Main Circuit Panel is 20 Amp Maximum.

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  
NEUTRAL BAR IN PANEL.

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: Place the Yellow 30-20 Amp Adapter on the 30 Amp Power Cord.

Step 27: 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 28: Close up all Boxes and tighten screws.

Step 29: **Make sure the appliance that is on the JTB system is turned OFF before powering up your JTB. If that appliance is the AC be sure to wait 5 minutes before restarting so it can pressure down.**

Step 30: Plug up your JTB to the Park Power and test your unit.



## Operating Manual

**Important Note: Be Sure the A/C or Appliance effected by the JTB Power Solution is OFF when you plug the JTB to the 20 Amp GFCI at power pole.**

If you want to remove you're A/C or appliance from the main circuit panel and add an additional 20 AMPS you will only need to plug your JTB Power Solution's Power Cord to the 20 AMP GFCI. Go inside and turn the A/C or appliance ON and begin enjoying your new comfort without tripping breakers. Remember to wait 5 minutes before starting the AC if you turn it off.

If you do not need to use the extra power then do not plug in your JTB Power Solution Cord and the A/C or appliance 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](http://www.jtbmfg.com) for customer service.



## Testing the JTB Power Solution

To test your JTB just turn OFF the affected circuit breaker in the Main Circuit Panel that is in your RV. Now plug in your JTB Power Solution to the park power pole. The next step is to 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 effected 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.



**“The solution to managing you RV power needs today.”**

[www.jtbmfg.com](http://www.jtbmfg.com)



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**Intertek**

**4002513**

**Conforms To UL STD 1008**

**Certified To CAN/CSA STD  
C22.2 NO. 178.1**



[www.jtbmfg.com](http://www.jtbmfg.com)

## JTB Installation Kit

### Shipment Items:

1-----30 AMP RV Power Cable

1-----30AMP to 20 AMP Adapter

2----- Rolls of #10/2wGd.

1-----3/4" Wire Clamps

2-----1/2" Wire clamps

1 Bag-----Misc. Parts

Set of Cable ID Decals

Inspected and packed by \_\_\_\_\_

Note: The Basic Installation kit has #10 wire for typical install of 10 Ft. or less. If you exceed 10 Ft. go to your local hardware store and purchase the proper feet of #10/2wGd Wire for your install.



**For French Installation Instructions:** Go to Website Click on

“Installation” then click on “French” and print off the French Installation Instructions.



## Contact Information

**JTB Mfg., Inc.**  
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**Warranty Claims:** [CustomerService@jtbmfg.com](mailto:CustomerService@jtbmfg.com)

**Ask For Terry Hurst or Jack Hurst and we will be glad to help you.**



**Quality and Performance Test Results**

**JTB Power Solution Serial Number:**\_\_\_\_\_

**Test A-----Park Power w/5-8 second Delay.            Passed (    )    Failed (    )**

**Test B-----Circuit Breaker Panel Input                    Passed (    )    Failed (    )**

**Test C-----Final Cross Phase Fully                        Passed (    )    Failed (    )**  
**Working Unit Test**

**Test D-----High Pot Test @ 1240VAC+                    Passed (    )    Failed (    )**  
**At Leakage Sensitivity of 12mA**

**Test E-----High Pot Test @ 1240VAC+                    Passed (    )    Failed (    )**  
**At Leakage Sensitivity of 0.3mA**

**Test F-----Final Retest of Park Power Input            Passed (    )    Failed (    )**  
**For Computer Operation Test.**

**Test G-----Inspection for Quality of Parts and            Passed (    )    Failed (    )**  
**Quality of Workmanship.**

**Inspection performed by:**\_\_\_\_\_ **Date:**\_\_\_\_\_

**Note: One copy goes with unit and the other copy goes to Data File.**