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**Power Snappy**  
***Owners Manual 97014-4.0***  
*Part Numbers: 18711 (Model M) - 18712 (Model L)*  
*Serial Numbers: 00624 & UP*  
*Beginning Product Date: 04/29/2014*





## POWER SNAPPY LIMITED WARRANTY

Warranty begins on invoice date

### **Electronics – 1 year**

Controller

Wiring

### **Powertrain - 1 year warranty**

Hub Motors

### **Wheels, Casters & Tires - 1 year warranty**

Front wheels & outrigger wheels

### **Battery - 1 year warranty – prorated**

Batteries are prorated from the invoice date

### **Scaffold and chassis - 3 year warranty**

Frame Structure

Powder Coating

### **Terms:**

Warranty starts from the invoice date of the unit

Limited to manufacturing defects

Power Snappy electrical components are warranted for one (1) year from date of original purchase, unless it has been misused, abused, modified or improperly installed. Any product that is claimed to be defective that is returned to Granite Industries with its approval will be repaired or replaced free of charge (excluding freight). This warranty is exclusive and there are no other warranties, express or implied. This remedy is the sole remedy in contract, tort or otherwise, and Granite Industries is not liable for incidental, consequential or special damages (Proof of purchase may be required).

Power Snappy welded components are warranted for three (3) years from date of original purchase, unless it has been misused, abused, modified or improperly installed. Any product that is claimed to be defective that is returned to Granite Industries with its approval will be repaired or replaced free of charge (excluding freight). This warranty is exclusive and there are no other warranties, express or implied. This remedy is the sole remedy in contract, tort or otherwise, and Granite Industries is not liable for incidental, consequential or special damages (Proof of purchase may be required).

We will repair, without charge, any defect due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to Granite Industries. These warranties do not cover failures due to abuse, accidental damage or when repairs have been made or attempted by other than Granite



## OSHA Operational Requirements

Scaffold casters and wheels shall be locked with positive wheel and/or wheel and swivel locks, or equivalent means, to prevent movement of the scaffold while the scaffold is used in a stationary manner.

**29 CFR 1926.452(w)(2)**

The surface on which the scaffold is being moved is within 3 degrees of level, and free of pits, holes, and obstructions.

**29 CFR 1926.452(w)(6)(i)**

The height to base width ratio of the scaffold during movement is two to one or less, unless the scaffold is designed and constructed to meet or exceed nationally recognized stability test requirements.

**29 CFR 1926.452(w)(6)(ii)**

When power systems are used, the propelling force is applied directly to the wheels, and does not produce a speed in excess of 1 foot per second (.3mps).

**29 CFR 1926.452(w)(6)(iv)**

No employee is on any part of the scaffold which extends outward beyond the wheels, casters, or other supports.

**29 CFR 1926.452(w)(6)(v)**

Platforms shall not extend outward beyond the base supports of the scaffold unless outrigger frames or equivalent devices are used to ensure stability.

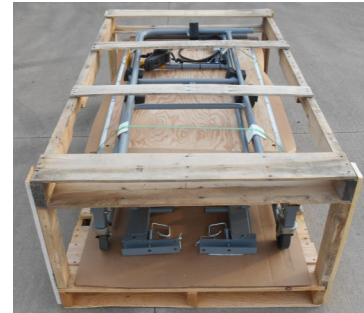
**29 CFR 1926.452(w)(7)**

Before a scaffold is moved, each employee on the scaffold shall be made aware of the move.

**29 CFR 1926.452(w)(10)**

## Power Snappy Assembly

The Power Snappy will ship in a wood crate, and will require some assembly.



1.) Remove all the shipping components and set base unit on a level surface.

2.) Rotate both ladders up to a vertical position so arm braces can be added. Pull back the G-pins on the arm brace and engage the “U” channel over the frame leg. Then release the G-pin and slide the arm brace up or down on the frame leg until the pin snaps into a hole. Repeat for the other arm brace. Make sure both arm braces are positioned at the same level. Be sure the platform hold down devices are turned out of the way.



3.) Lay platform onto the two arm braces making sure the holes in platform line up pins on the arm braces. Turn the platform hold down devices so that they “trap” the platform onto the braces.



4.) For additional security insert 2” snap pins through the “U” channel and frames after the platform height has been properly set.



## Power Snappy Assembly

### Guardrail Installation:

5.) Insert the 4 bottom guard rail posts into the square sockets on the arm braces and pin in place with the hinge pins (figure 1). Next, insert the side guard rails into the guard rail posts and insert bolts to secure in place (figure 2). Note location of the joystick controller guard panel.



Figure 1

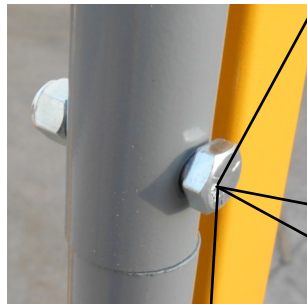
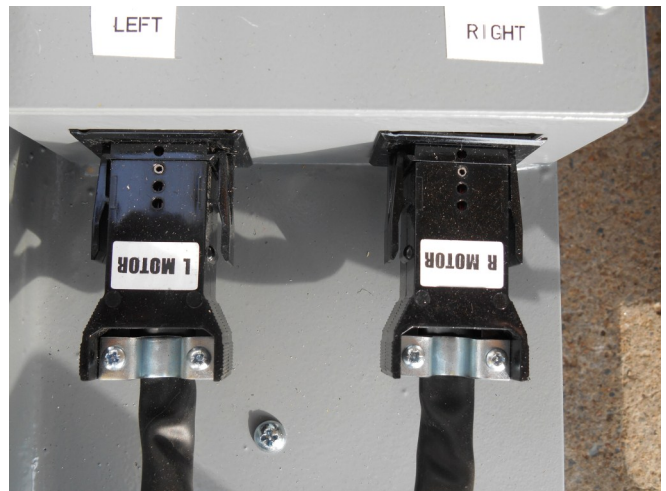


Figure 2

## Power Snappy Assembly

5.) See pictures below for routing power cord:





## Platform Adjustment

After Power Snappy is fully assembled, the only adjustment that needs to be made is to set the height of the work platform. The platform can be adjusted between 24" and 60". Follow the instructions below to change the work platform height.

- 1.) First, position yourself at one end of the unit.
- 2.) Disengage both g-pins from the ladder; it will be necessary to use one hand on each g-pin.
- 3.) Now, either raise or lower the work platform 6".
- 4.) Secure each g-pin back into the ladder frame.
- 5.) Repeat step 2-4 on the other end of the unit.
- 6.) If it is desired to raise/lower the platform more than 6"; repeat steps 2-5 until the desired level platform height is achieved.
- 7.) For additional security insert the 2" snap pins through the "U" channel and frames after the platform height has been set.





# Operational Guide

## **Power Snappy: 500lb Capacity**

- 1) Before using, unplug the battery charger from the Power Snappy.
- 2) Set the brake mechanisms on the drive wheels in the operating position by moving the lock lever to the center position.
- 3) Access the work platform by climbing up the ladder frame on either end of the Power snappy.
- 4) Once on the work platform, close the guardrail door and secure it with the Q-lock.
- 5) Turn the Power Snappy (ON) by pressing the green button on the joystick.
- 6) Verify that the speed control is on its lowest setting; one red light should be illuminated. Pressing the minus (-) button will decrease this setting. The Power Snappy should only be used in this lowest speed setting.
- 7) Before moving, verify that all personnel and equipment is located inside the guardrail on the Power Snappy.
- 8) To maneuver the Power Snappy, push the joystick in the desired direction.
- 9) When finished operating the Power Snappy, turn the power (OFF) by pressing the red power button on the joystick control unit.
- 10) To climb off the Power Snappy perform steps 3 & 4 in reverse order.

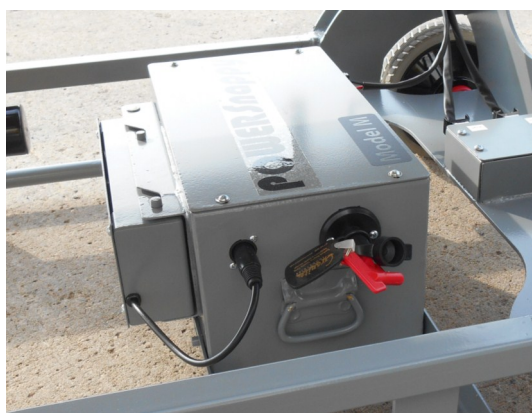


## BATTERY REPLACEMENT

### 24v 35amp

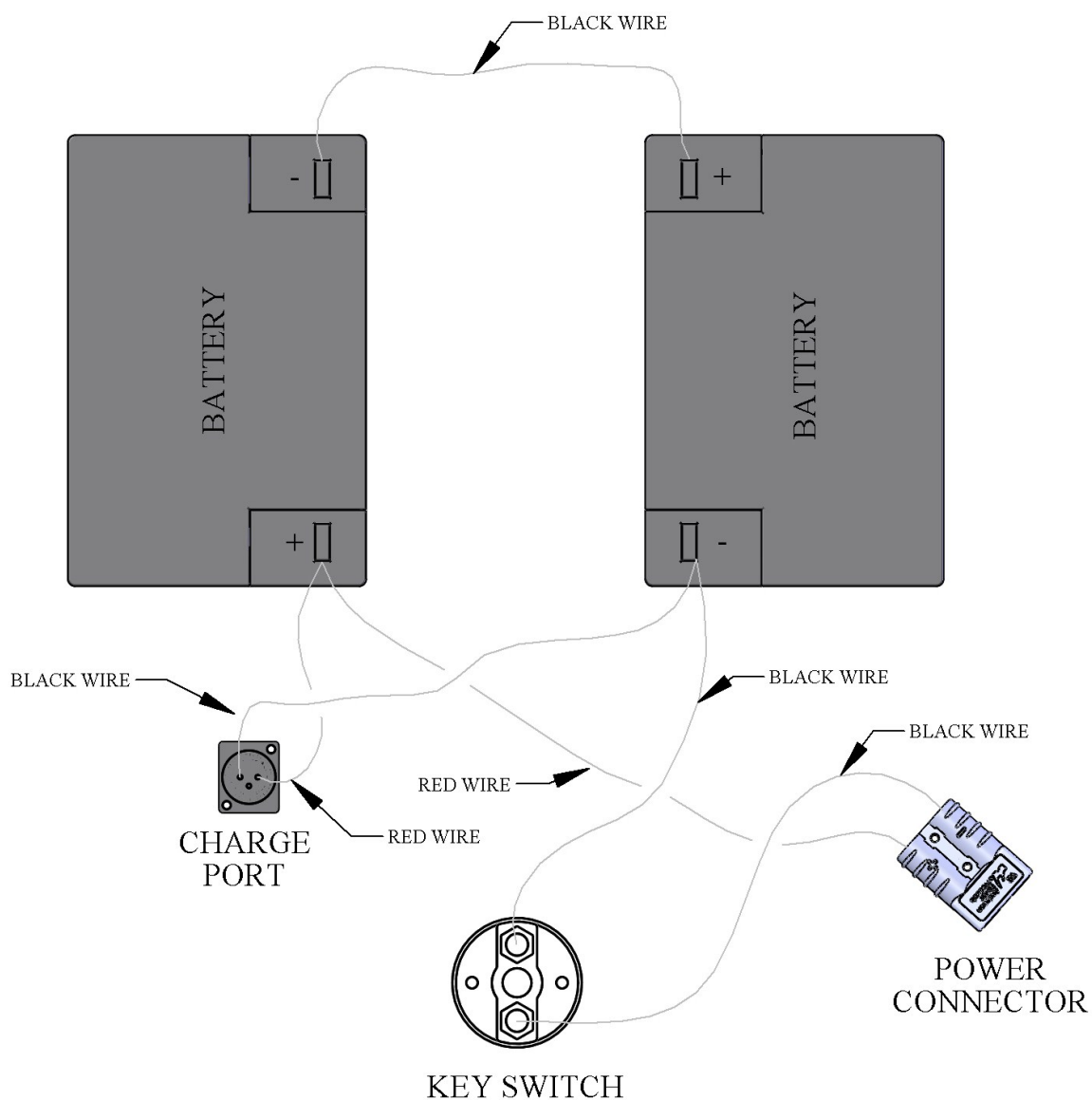
Replacement Battery Specs: 12v, 35 amp/hr lead acid sealed, AGM type. Two (2) Batteries required.

1. Remove the battery pack from the base.
2. Remove the four (4) screws holding the lid in place.
3. Carefully remove the batteries, and disconnect the ring terminals. **RECYCLE YOUR OLD BATTERIES.**
4. Reconnect the battery wires to the new batteries as shown (see wiring diagram) The batteries are wired in **SERIES**, not **PARALLEL**
6. Replace the box lid and secure with four (4) #10 screws.



## BATTERY REPLACEMENT WIRING DIAGRAM

24v 35amp



## CHARGING SYSTEM

### 24v Chargers

The battery charger is designed to charge any type of lead acid battery to full charge. The charger can be left connected to the batteries after full charge (green light) without harming the batteries. The charger uses minimum power in this standby-mode (after battery is fully charged), maintains the batteries at full charge and extends battery life.

The CHARGING light is normally Red, Yellow or Orange which changes to Green when the battery is fully charged. It is a good idea to leave the charger connected until battery is ready to use. It will give a long battery life.

BATTERY: 12V 35AH AGM (PI-11-0025)  
CHARGER: 5AMP (PI-11-0191)  
BATTERY WIRING HARNESS: (PI-08-0079)  
REPLACEMENT KEYS: (PI-08-0030)



REMOVABLE BATTERY  
CHARGER

REMOVABLE BATTERY  
CHARGER



KEY SWITCH  
PI-08-0015












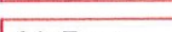
# Troubleshooting Guide

## VSI Control System

If a system trip occurs, you can find out what has happened by counting the number of bars on the battery gauge that are flashing.

Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list which matches the number of flashing bars and follow the instructions.

If the problem persists after you made the checks described above contact your service agent.

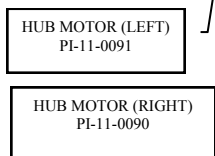
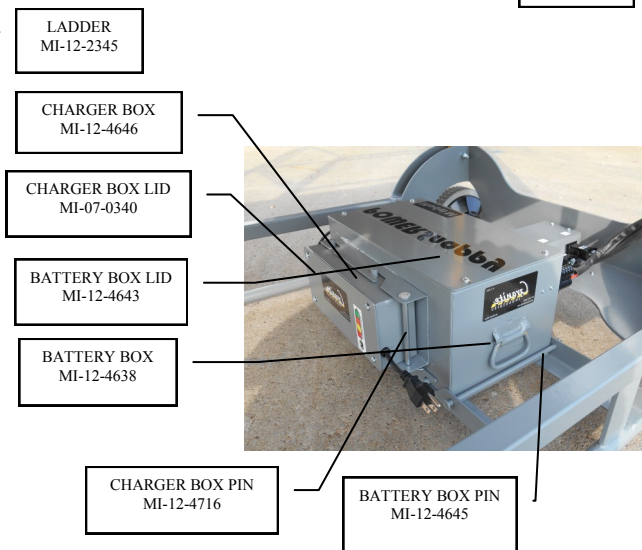
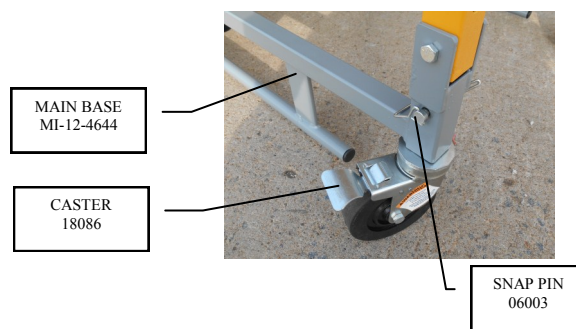
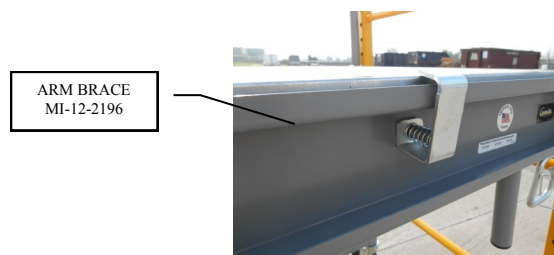
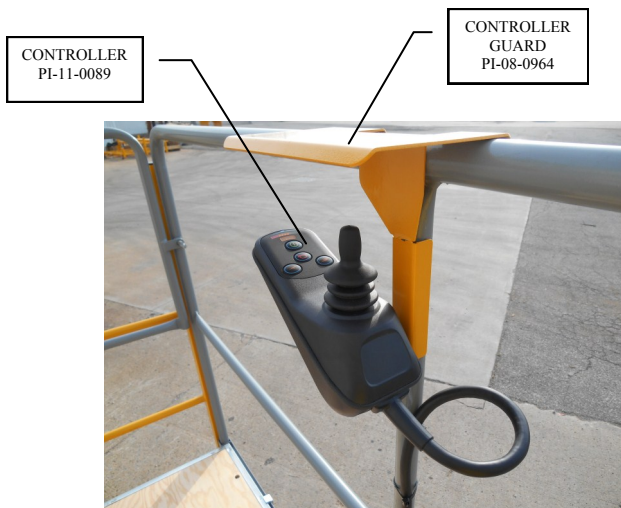
|  |  |
|--|--|
| <b>1 Bar</b><br>    | The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.                       |
| <b>2 Bar</b><br>    | The left hand motor* has a bad connection. Check the connections to the left hand motor.   |
| <b>3 Bar</b><br>  | The left hand motor* has a short circuit to a battery connection. Contact your service agent.  |
| <b>4 Bar</b><br>  | The right hand motor* has a bad connection. Check the connections to the right hand module.  |
| <b>5 Bar</b><br>  | The right hand motor* has a short circuit to a battery connection. Contact your service agent.   |
| <b>6 Bar</b><br>  | The wheelchair is being prevented from driving by an external signal. The exact cause will depend on the type of wheelchair you have, one possibility is the battery charger is connected. |
| <b>7 Bar</b><br>  | A joystick fault is indicated. Make sure that the joystick is in the center position before switching on the control system.   |
| <b>8 Bar</b><br>  | A control system fault is indicated. Make sure that all connections are secure.  |
| <b>9 Bar</b><br>  | The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure.  |
| <b>10 Bar</b><br> | An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.   |

\* If the programmable parameter, Motor Swap has been enabled, then left and right hand references in this table will need transposing.



# Parts Guide

Model M



## Parts Guide

Model L (with welded outriggers)

