

# POWER SNAPPY 18706

Patent #6,471,003; 6,761,247; D520,6446;  
Other Patents Pending

**OPERATING & PARTS MANUAL 3.0**  
**SN 00436-UP**



877-447-2648  
[www.graniteind.com](http://www.graniteind.com)

595 E. Lugbill Road · Archbold, OH 43502

# **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 (.3 mps).

**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)**

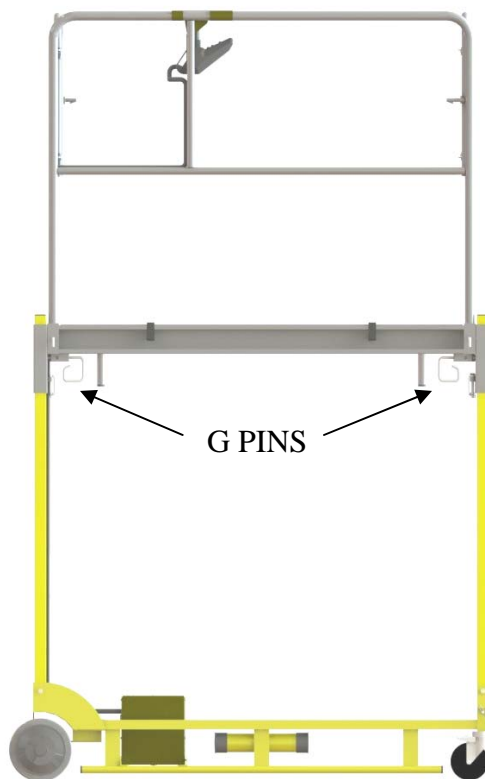
# Parts List

| ITEM NO. | QTY. | PART NUMBER | DESCRIPTION  |
|----------|------|-------------|--|
| 1        | 4    | 6013        | HP3 HINGE PIN 3"   |
| 2        | 2    | 18086       | SP-C5FL 5" CASTER W/1 1/4" SQ STEM FRONT LOCK W/SN       |
| 3        | 1    | 97014-30    | LT-POWER SNAPPY MANUAL V3.0 SN 00418-CURRENT             |
| 4        | 1    | MI-03-1302  | BAR FLAT HR 1/8" x 2" x 12"                              |
| 5        | 1    | MI-07-0238  | SHEET METAL 16GA - BOX COVER                             |
| 6        | 1    | MI-08-0736  | FORMED-PS BATTERY BOX END W/ HOLES                       |
| 7        | 1    | MI-08-0737  | FORMED-PS BATTERY BOX END                                |
| 8        | 1    | MI-08-0964  | POWER SNAPPY V3 CONTROLLER GUARD                         |
| 9        | 1    | MI-08-0982  | FORMED-PS BATTERY BOX V2                                 |
| 10       | 1    | MI-10-0374  | PLYW-1/2" x 8" x 21"                                     |
| 11       | 2    | MI-12-2196  | SCAFFOLD MOVER ARM BRACE ASSEMBLY                        |
| 12       | 1    | MI-12-2197  | SCAFFOLD MOVER GUARD SIDE                                |
| 13       | 2    | MI-12-2345  | SCAFFOLD MOVER LADDER                                    |
| 14       | 1    | MI-12-2346  | 5' Walkboard   |
| 15       | 2    | MI-12-2347  | SCAFFOLD MOVER GUARD END                                 |
| 16       | 1    | MI-12-2348  | SCAFFOLD MOVER GUARD SIDE                                |
| 17       | 2    | MI-12-2876  | PS BATTERY HOLD DOWN BOLT                                |
| 18       | 1    | MI-12-3110  | SCAFFOLD MOVER BASE W/ METAL BOX                         |
| 19       | 1    | MI-18-0005  | WIRE - 12 GA RED THHN STRANDED WIRE x 24"                |
| 20       | 1    | MI-18-0006  | WIRE - 12 GA BLACK THHN STRANDED WIRE x 12"              |
| 21       | 2    | MI-18-0007  | WIRE - 12 GA BLACK THHN STRANDED WIRE x 24"              |
| 22       | 8    | PI-01-0019  | NUT-NYLON 3/8" LOCKNUT PLATED                            |
| 23       | 4    | PI-01-0025  | BOLT-HEX 3/8"-16 x 1-1/4" PLATED                         |
| 24       | 4    | PI-01-0027  | BOLT-HEX 3/8"-16 x 2-1/2" PLATED                         |
| 25       | 5    | PI-01-0047  | NUT-NYLON 10-24 LOCKNUT PLATED                           |
| 26       | 2    | PI-01-0049  | WASHER-LOCK 10 PLATED                                    |
| 27       | 4    | PI-01-0294  | NUT-INSERT #10-32 Atlas #AEKS-1032-130                   |
| 28       | 2    | PI-01-0329  | NUT-TEE 5/16"-18 x 3/8" 4 PRONG PLATED                   |
| 29       | 4    | PI-01-0331  | SCREW-#10-32 x 5/8" SCREW PHILLIPS PAN HEAD              |
| 30       | 4    | PI-01-0332  | WASHER-SAE 10 PLATED                                     |
| 31       | 2    | PI-01-0353  | SCREW-M5-0.8 x 5/8" SCREW PHILLIPS ROUND HEAD            |
| 32       | 6    | PI-01-0368  | SCREW-#10-24 x 3/4" PHILLIPS ROUND HEAD                  |
| 33       | 4    | PI-01-0392  | SCREW-#8 x5/8" COMBO PAN SHEET METAL ZINC                |
| 34       | 14   | PI-01-0393  | SCREW-#8 x3/8" COMBO PAN SHEET METAL ZINC                |
| 35       | 2    | PI-01-0397  | SCREW-#6-32 x 3/4" PHILLIPS PAN HEAD                     |
| 36       | 2    | PI-01-0398  | NUT-HEX 6-32 PLATED                                      |
| 37       | 2    | PI-01-0413  | NUT-HEX M18x2.5 NYLON LOCK PLATED                        |
| 38       | 4    | PI-04-0035  | CAP PLUG ROUND BLACK 1"                                  |
| 39       | 4    | PI-04-0039  | CAP PLUG SQUARE BLACK 1 1/2"                             |
| 40       | 2    | PI-04-0170  | CAP VINYL ROUND BLACK EXTERNAL 2-1/2" VCF-2500-24        |
| 41       | 2    | PI-08-0003  | TERMINAL - RING TERMINAL 3/8" YEL PVC 10-12GA            |
| 42       | 1    | PI-08-0012  | INLET-ELECTICAL CORD 15AMP 125V BLACK WATERPROOF         |
| 43       | 1    | PI-08-0015  | SWITCH-KEY OPERATED 50AMP WIRTHCO 20314                  |
| 44       | 2    | PI-08-0017  | TERMINAL - RING TERMINAL 1/4" RED PVC 22-18GA            |
| 45       | 4    | PI-08-0018  | TERMINAL - RING TERMINAL 1/4" YEL PVC 10-12GA            |
| 46       | 8    | PI-08-0019  | APP - CONTACT 15 FOR #16-20 AWG WIRE                     |
| 47       | 2    | PI-08-0020  | APP - CONTACT SB50 FOR #10-12 AWG WIRE                   |
| 48       | 2    | PI-08-0021  | APP - HOUSING/SRING ASSEMBLY FOR 15 To 45 AMP RED        |
| 49       | 2    | PI-08-0022  | APP - HOUSING/SRING ASSEMBLY FOR 15 To 45 AMP BLACK      |
| 50       | 4    | PI-08-0023  | APP - HOUSING/SRING ASSEMBLY FOR 15 To 45 AMP WHITE      |
| 51       | 2    | PI-08-0025  | APP - RECEPTACLE SNAP-IN 2x2                             |
| 52       | 1    | PI-08-0026  | APP - HOUSING/SRING ASSEMBLY FOR SB50 BLACK              |
| 53       | 2    | PI-08-0028  | APP - RETAINING PIN                                      |
| 54       | 2    | PI-11-0025  | SM-BATTERY 12V 32A.H. AGM                                |
| 55       | 1    | PI-11-0027  | SM-BATTERYCHARGER 24V SEAL LEAD ACID TYPE / AGM TYPE     |
| 56       | 4    | PI-11-0054  | CLAMP CABLE NYLON 3/8"                                   |
| 57       | 18   | PI-11-0058  | TIE, CABLE   |
| 58       | 3    | PI-11-0064  | CLIP - GRIPPER CLIP CAPACITY 3/4 - 1-1/8" DIA. 1/2 VINYL |
| 59       | 1    | PI-11-0076  | PROMO-GRANITE KEY RING                                   |
| 60       | 1    | PI-11-0089  | SM-VSI INTEGRAL CONTROLLER ANDERSON BLACK 3M CABLE       |
| 61       | 1    | PI-11-0090  | SM-8R HUB MOTOR SCAFFOLD MOVER 24V Black HUB GRAY WHEEL  |
| 62       | 1    | PI-11-0091  | SM-8L HUB MOTOR SCAFFOLD MOVER 24V Black HUB GRAY WHEEL  |

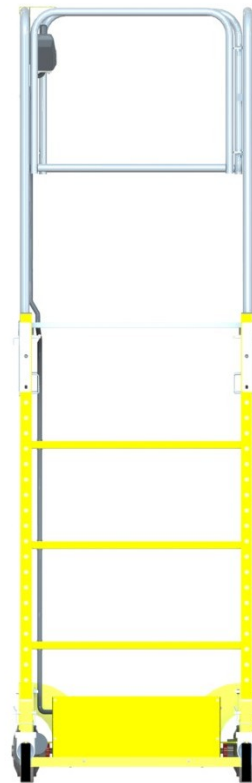
# Setup/Adjustment

The Power Snappy comes fully assembled and 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.



SIDE VIEW



END VIEW

# **Operational Guide**

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

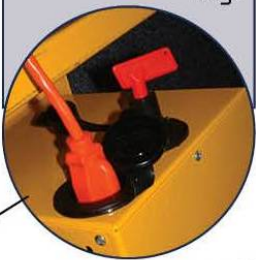
- 1) Before using, unplug the battery charger from the Power Snappy.
- 2) Set the brake mechanisms on the drive wheels in the operating position by moving the lock lever to the center position.
- 3) Access the work platform by climbing up the ladder frame on either end of the Power snappy.
- 4) Once 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.

# Features Guide

Two 24v hub motors with integrated brake system propel the Power Snappy. Each motor is rated for 6000 hrs of use.

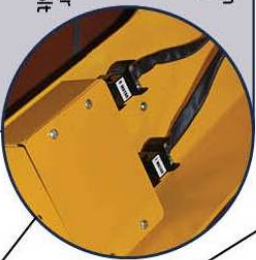


Power snappy is wired with an onboard charger that is accessed with a built in electrical inlet.



A lockout switch (2 keys included) provides added security on the job site.

Industry standard Anderson Power Products connectors are used on the Power Snappy. These connectors allow easy connection and disconnection.

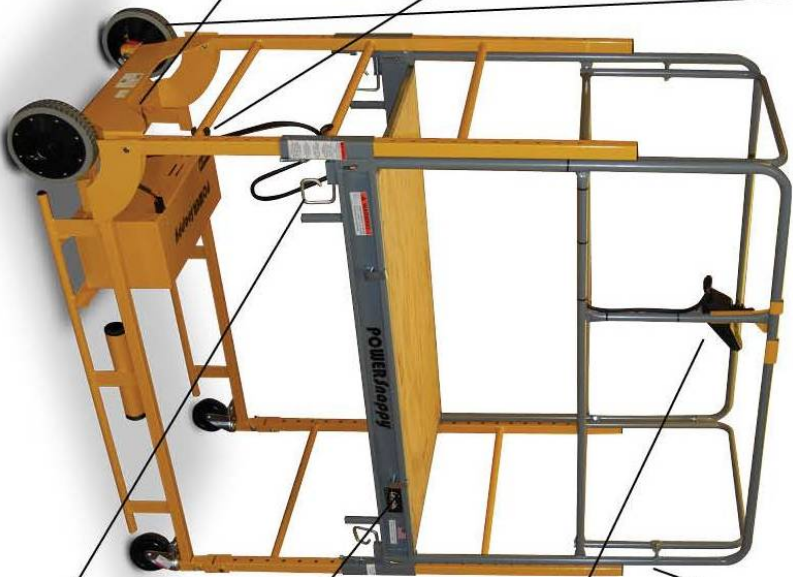


Features an enclosed power case that houses two 12 volt sealed AGM 32 amp hour batteries.

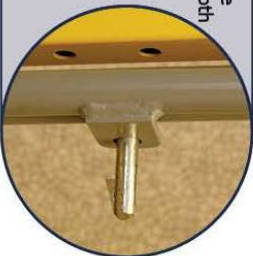
Be sure to visit [www.YouTube.com/GraniteInd](http://www.YouTube.com/GraniteInd) to view video clips of the Power Snappy in use!

## POWER snappy

MOTORIZED WORK PLATFORM



Complete guard rails are provided and open at both ends for easy boarding access.

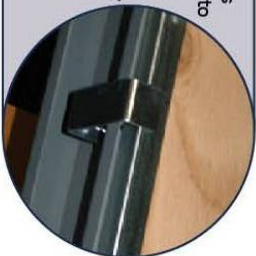


Joystick steering has adjustable speed control. In addition, soft start/stop are provided for safer operation.



This unique joystick also includes built in error lights for quick and easy trouble shooting.

Patented safety features add security and safety to the deck platform.



Platform heights are adjustable from 24"-60" (approx 12' working height).

G-pin and a snap pin secure the arm braces on the power snappy.



**Granite**  
INDUSTRIES  
595 E. Lugbill Rd., Archbold, Oh. 43502  
ph 419-445-4733 fax 419-445-3304  
info@graniteind.com www.graniteind.com

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# Service / 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.

## INTEGRATED BATTERY CHARGER

MODEL: HP1202B

DC OUTPUT 24V 2A

RED LED ILLUMINATED: POWER ON

RED/GREEN LED ILLUMINATED: CHARGING

GREEN LED ILLUMINATED: CHARGED

## Warranty

Power Snappy electrical components are warranted for 90 days 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 2 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).

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 Industries. These warranties give you specific legal rights, and you may have other rights which vary from state to state. Should you have any questions, contact Granite Industries (Proof of purchase may be required).