

# POWER SNAPPY

## INSTRUCTION MANUAL

*For units with serial numbers 1278 and higher.*



*Model M: 18711*

*Manual No: 97014-5.0*

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## Components of the Power Snappy are covered by the following patents:

- 6,471,003
- 6,761,247
- D520,646

## OSHA Operational Requirements:

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)**

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)**

## WARRANTY

### 1 Year Warranty

Electronics: Controller & Wiring

Powertrain: Hub Motors

Wheels, Casters & Tires: Front Wheels & Outrigger Casters

Battery: Prorated from the invoice date

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).

### 5 Year Warranty

Scaffold: Frame Structure & Powder Coating

Terms: Warranty starts from the delivery date of the unit and is limited to manufacturing defects.

Power Snappy welded components are warranted for five (5) 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



**Customer Service**

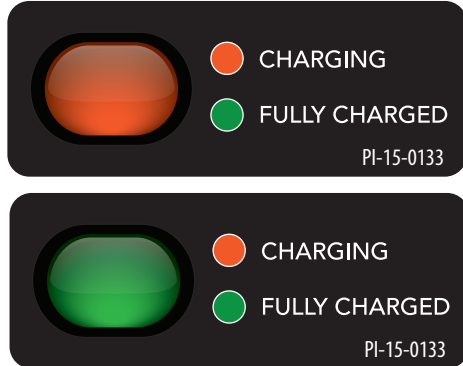
**877-447-2648**

**M-F, 8am - 5pm EST**

# CHARGING INFORMATION

## CHARGE YOUR POWER SNAPPY

When your Power Snappy arrives, please plug it in and make sure the battery is fully charged. When charging, the indicator light will be orange. Once it reaches a full charge, the light will turn green, and your Power Snappy is ready to use.



The charger can be left connected to the batteries after a full charge (green light) without harming the batteries. It uses a four stage charging system to optimize battery longevity. The charger uses minimum power in standby mode and maintains the batteries at full charge.

For the best battery life, charge the Power Snappy after each use or at the end of the work day. It's preferable to let the batteries charge overnight by plugging the Power Snappy into a 110V outlet.

**Note:** If the charger indicator light goes directly to green, your batteries or charger may have gone bad, or you may have a loose connection.

## CAUTIONS AND WARNINGS

1. Before using the battery charger, read all instructions and cautionary markings on the battery charger, batteries and the product using the batteries.
2. To reduce risk of injury, charge only lead-acid type of rechargeable batteries. Other types of batteries may burst, causing personal injury or damage.
3. Do not expose charger to rain or snow.
4. To prevent the risk of fire, use the charger only in dry and ventilated rooms without flammable fluids and explosive gases.
5. Do not cover the charger with clothing, fabric or similar items during the charging process. Ventilation is important to prevent overheating.
6. To reduce the risk of damage to the electric plugs and cords, pull by the plug rather than the cord when disconnecting the charger.
7. Use of improper extension cord could result in risk of fire and electric shock. When using an extension cord, make sure of the following:
  - The pins on the plug of the extension cord are the same number, size and shape as those on the charger. (3 prong with ground)
  - The extension cord is properly wired and in good electrical condition. A 16 ga cord or heavier duty extension cord is recommended.
8. Make sure charging cord is located so that it will not be stepped on, tripped over or otherwise subject to damage or stress.
9. Do not operate charger with damaged cord or plug - replace immediately if there are signs of damage!
10. Do not operate charger if it has received a sharp blow, has been dropped or otherwise damaged in any way.
11. Do not disassemble the charger.
12. Never charge a battery in an airtight enclosure.

# OPERATING YOUR POWER SNAPPY

## OPERATIONAL GUIDE

1. Before using the unit, please read through this entire manual, as well as all instructions and cautionary markings on the scaffold unit.
2. If the unit is being charged, unplug the power cord from the unit before operating.
3. Make sure the drive wheels are in operational mode and not the freewheel mode. The levers on both drive wheels should be in the upward most position. See image below.



The Power Snappy can be put into a freewheel mode whenever needed. Locate the two levers by the drive wheels and press them both downward. To return to the normal drive mode, simply raise them back up into place.

4. Turn the key to the on position. See diagram on next page.
5. Access the work platform by climbing up the ladder frame on either end of the Power Snappy.
6. Open the guardrail door and climb onto the work platform.
7. Close and secure the guardrail door with the lock.



Guardrail door shown in the locked position. Never operate the Power Snappy if the guardrail doors are not securely in the locked position.

8. Turn the Power Snappy on by pressing the green power button on the controller. See diagram on next page.
9. Before driving the unit, verify that all personnel and equipment is securely located within the guardrail on the Power Snappy.
10. To maneuver the Power Snappy, gently push the joy stick in the desired direction. Initially the front casters may make some noise. If this happens applying some spray lubricant, such as WD-40, will correct the issue.
11. When finished operating the Power Snappy, press the green power button again to turn the unit off.
12. Open the guardrail door to access the ladder.
13. Climb down the ladder frame.
14. Close and secure the guardrail door with the lock.
15. Turn the key into the off position.

## OSHA OPERATIONAL REQUIREMENTS

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

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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.

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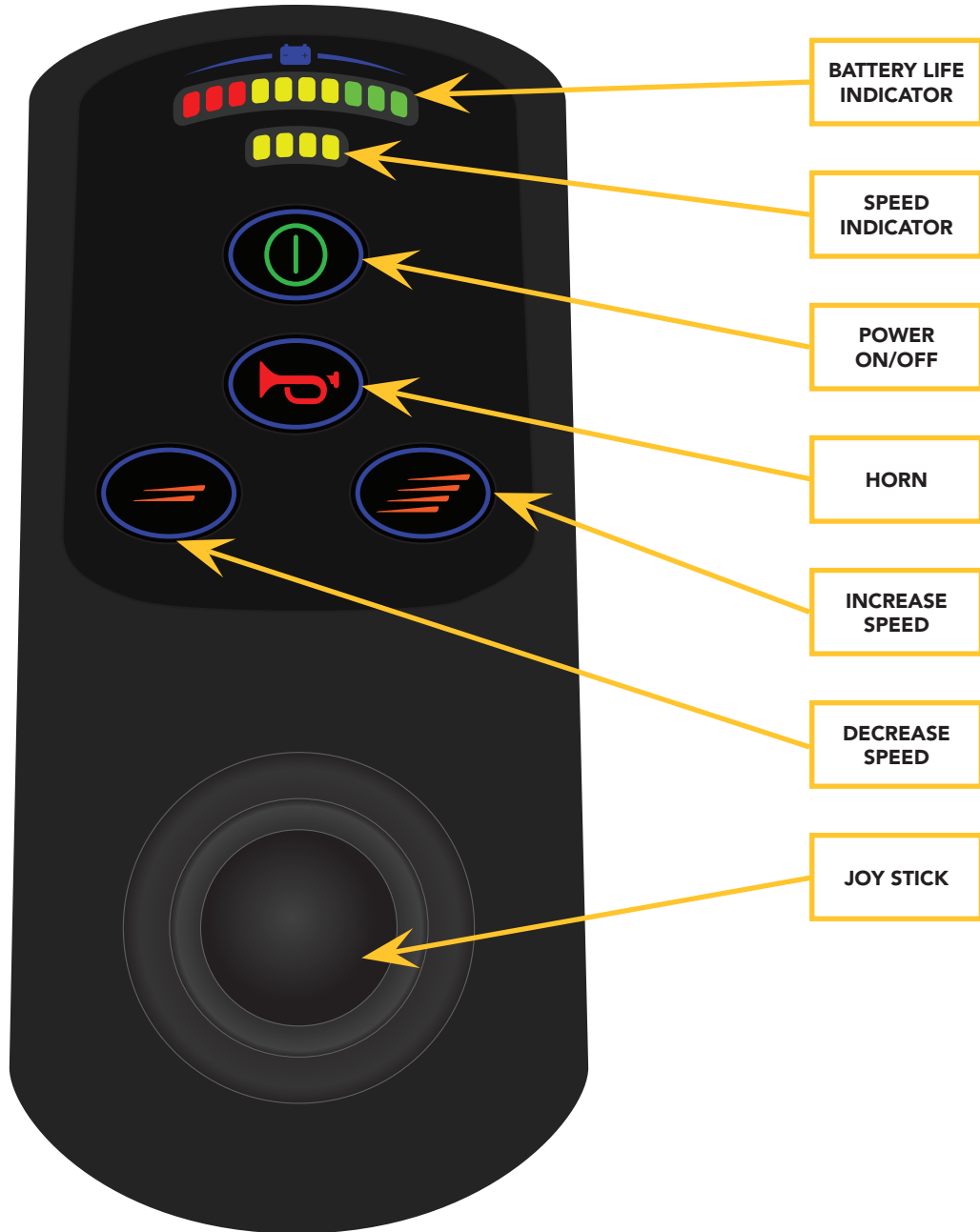
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### **29 CFR 1926.452(w)(10)**

## CONTROLLER



## KEY

Key OFF

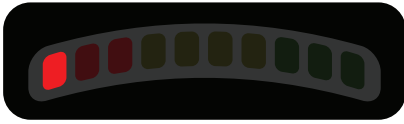


Key ON



## TROUBLESHOOTING GUIDE

If your Power Snappy is not operating, check the controller to see if it's giving you an error. You will hear the unit beep and the indicator lights will be flashing. The number of lights, shown below, will indicate which error the unit is experiencing.



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.



The left hand motor has a bad connection. Check connections to the left hand motor.



The left hand motor has short circuit to a battery connection. Contact Granite Industries at 877-447-2648.



The right hand motor has a bad connection. Check connections to the right hand motor.



The right hand motor has short circuit to a battery connection. Contact Granite Industries at 877-447-2648.



An external signal is preventing the Power Snappy from driving. Check to see if the battery charger is still connected and charging. If so, disconnect the unit.



A joy stick fault is indicated. Make sure that the joy stick is in the center position before switching on the control system.



A control system fault is indicated. Make sure that all connections are secure.



Freewheel error. Check to see that the unit is not in freewheel mode by making sure both levers by the drive wheels are in the up position.



An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.

# BATTERY INFORMATION

## IMPORTANT RECOMMENDATIONS

- It is recommended to wear insulated gloves when handling batteries.
- If equipment is to be stored for a long period of time, the batteries should be disconnected to avoid undue drain.
- When replacing your batteries, fasten them tightly, but do not apply undue force to the terminals, or bend them.
- Do not place batteries in close proximity to objects which can produce sparks or flames.
- Avoid exposing batteries to heat. Service life is shortened considerably at ambient temperatures above 86° F (30°C).
- Do not mix batteries with different capacities, different ages or different makes.
- For best results and generally acceptable performance and longevity, keep operating temperature range between 32° F (0° C) and 104° F (40° C).
- It is good practice to ensure that the connections are re-torqued and the batteries are cleaned periodically.
- Do not attempt to disassemble batteries. Contact with sulfuric acid may cause harm. If it should occur, wash skin and clothing with liberal amounts of water.
- Batteries should not be stored in a discharged state or at elevated temperatures.
- Please recycle old batteries. Do not throw them away, or attempt to burn them. Attempting to burn batteries (new or old) may rupture or explode.

## BATTERY FEATURES

- Absorbent Glass Mat (AGM) technology for superior performance.
  - AGM design ensures the acid inside the battery is spill-proof.
  - AGM batteries are vibration resistant.
  - AGM batteries perform better in cold temperatures.
  - AGM batteries charge faster.
  - AGM Batteries have longer life expectancy.
- Valve regulated, spill proof construction allows safe operation in any position. However upside down is not recommended.
- Maintenance free design. There is no need to add electrolyte, as gases generated during the charge phase are recombined in a unique oxygen cycle.
- Power/volume ratio yielding unrivaled energy density.
- Special separators, advanced plate composition and a carefully balanced electrolyte system ensure the battery has the ability to recover from an excessively deep discharge.
- All batteries feature a series of low pressure, one-way relief valves. These valves safely release any excessive accumulation of gas inside the battery and then reseal themselves.
- Batteries may be discharged and charged over a temperature range of 32° F (0° C) and 104° F (40° C). For best results we recommend charging the batteries at room temperature.
- The high impact resistant battery case and cover is made of non-conductive ABS plastic. The case materials impart great resistance to shock, vibration, chemicals and heat.
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified.
- U.L. recognized under file number MH 47790.

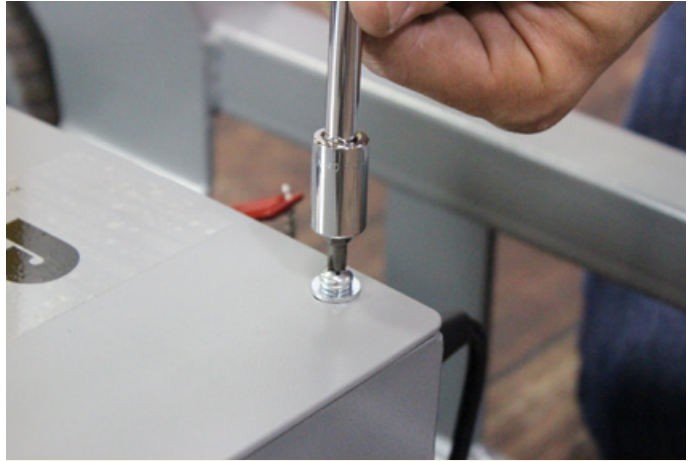


## BATTERY REPLACEMENT



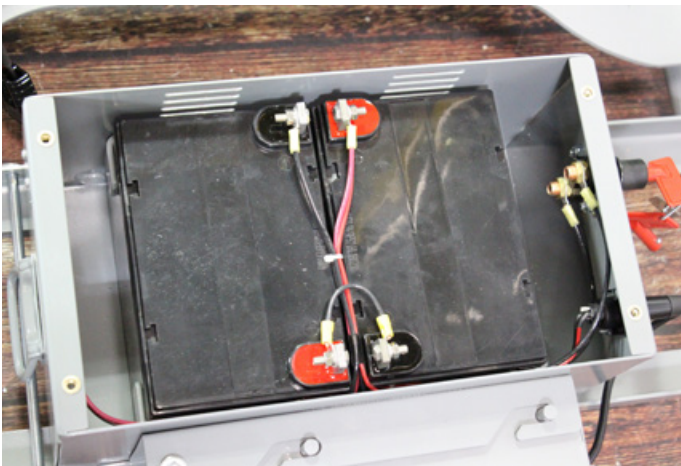
1

Turn the key to the off position and disconnect all cords from the battery pack.



2

With a Phillips screwdriver, remove the four screws and washers from the lid and set aside.



3

Remove the lid to access the batteries. Use the diagram on the following page for additional assistance.



4

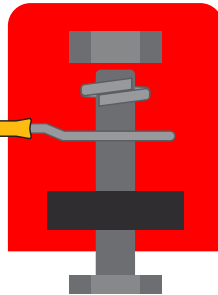
When finished, replace the lid and all four screws and washers. Reconnect all cords and turn the key on when ready to use.



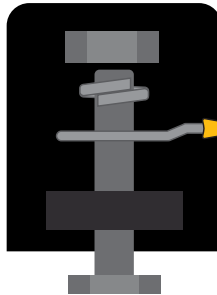
# BATTERY REPLACEMENT

## ORDER FOR ASSEMBLY

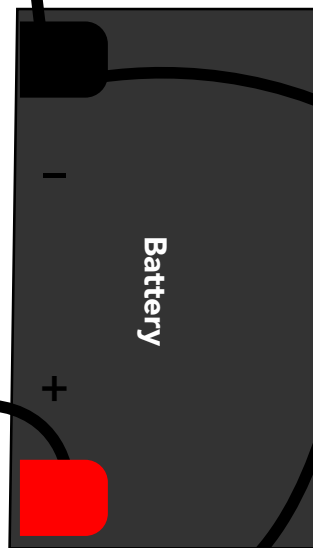
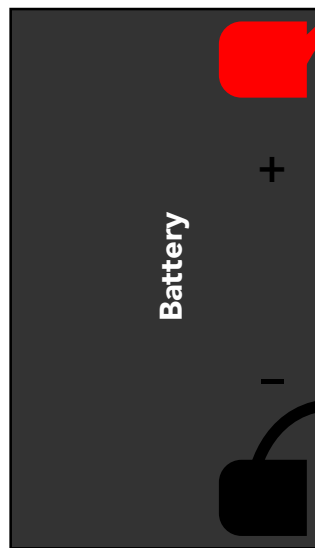
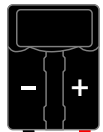
Nut  
Lock Washer  
Red Wires  
-Terminal-  
Bolt



Nut  
Lock Washer  
Black Wires  
-Terminal-  
Bolt



Power  
Connector



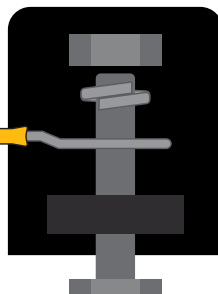
Key Port

Charging  
Port

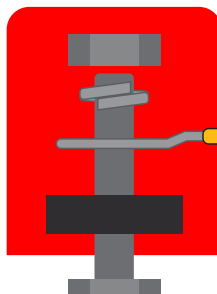


## ORDER FOR ASSEMBLY

Nut  
Lock Washer  
Black Wire  
-Terminal-  
Bolt



Nut  
Lock Washer  
Black Wire  
-Terminal-  
Bolt



## PARTS LIST

QTY	PART NO	DESCRIPTION	
1	MI-12-4644	Power Snappy Base	
2	MI-12-4727	Power Snappy Ladder	
1	MI-12-2346	5' Walkboard	
2	MI-12-2196	Power Snappy Armbraces	
4	PI-04-0035	1" Round Cap Plug	
1	PI-11-0089	Controller	
8	PI-01-0019	3/8" Lock Nut	
2	PI-06-0130	Caster	
2	PI-11-0064	Cable Clip	
2	PI-04-0170	2 1/2" Round Plug Cap	
1	MI-08-0964	Controller Guard	
1	MI-07-0238	Box Cover	
4	PI-01-0075	3/8" Hex Bolt - 1-3/4" L	9/16" Socket and wrench
4	PI-01-0026	3/8" Hex Bolt - 2-3/4" L	9/16" Socket and wrench
1	PI-11-0090	Right Hub Motor	
1	PI-11-0091	Left Hub Motor	
2	MI-12-2347	Power Snappy Guardrail End	
4	PI-01-0025	3/8" Hex Bolt - 1-1/4" L	9/16" Socket and wrench
8	PI-01-0019	3/8" Locknut	
4	06013	3" Hinge Pin	
1	MI-12-4671	Power Snappy Side Guardrail with Controller mount	
1	MI-12-4689	Power Snappy Side Guardrail	
2	MI-12-2347	Power Snappy End Guardrail	
4	MI-12-4672	Power Snappy Guardrail Post	
4	PI-01-0075	3/8" Hex Bolt - 1-3/4" L	9/16" Socket and wrench
1	18713	Battery Box w/ Batteries	
2	PI-11-0025	Battery 12v 35 AmpHr AGM Battery	
1	18714	Battery Charger Box with Charger	
1	PI-11-0191	24V 5 AmpHr Charger	
2	PI-08-0030	Power Snappy Key	
1	PI-08-0015	Key Switch	

## SPECS

### General Specs

Overall dimensions: 31" W x 64" L  
 Overall height varies from 65" to 100"  
 depending on where the platform height is set.

### Platform Specs

Adjustable platform height: 24" - 60"  
 Height is adjustable every 2"

Unit Weight: 300 lbs  
 Capacity: 500 lbs

## STEP 1: LADDERS & ARMBRACES

COMPONENTS		
ITEM NO	QTY	DESCRIPTION
MI-12-4644	1	Power Snappy Body
MI-12-2196	2	Armbaces
06003	4	Snap Pins

### Congratulations on your new Power Snappy!

To view our setup videos text **powersnappy** to **31996**  
 1 Msgs/Month. Reply STOP to cancel, HELP for help.  
 Message & data rates may apply. Terms: slkt.io/sCb

Or visit our YouTube Channel: [youtube.com/graniteind](https://youtube.com/graniteind)



# 1

Separate all of the components. Locate the armbraces and the main body of the Power Snappy unit.



# 2

Stand the ladders upright. Align the armbrace between the two end ladders. Pull the G-pins and lock the armbrace into place, making sure it's level.



# 3

Repeat this step to install the second armbrace. Make sure it is installed at the same height as the first brace. Check to make sure they are level.



# 4

OPTIONAL: For additional safety, insert the snap pin provided through the armbrace and the frame and lock it in place.

## WALKBOARD INSTALLATION

COMPONENTS		
ITEM NO	QTY	DESCRIPTION
MI-12-2346	1	5' Walkboard



1

Drop the walkboard onto the armbraces, making sure the alignment pins are nested in the holes on the walkboard.



2

Engage all four of the hold down clips on both sides of the unit.



### CHECK POINT

Your Power Snappy should look like this.  
If so, continue onto the next step.



# GUARDRAIL ASSEMBLY

COMPONENTS		
ITEM NO	QTY	DESCRIPTION
MI-12-4689	1	Left Guardrail
MI-12-4671	1	Right Guardrail with controller
06013	4	Hinge Pins
PI-01-0075	4	3/8" Bolts - 1 3/4" L
PI-01-0019	4	3/8" Nuts
TOOLS		
9/16" Socket and wrench		



1

Insert the four guardrail posts into the holes located at the four corners of the armbraces.



2

Slide a hinge pin through the armbrace and guardrail post.



3

Install the guardrail panel with the controller attached to it by sliding it onto the two guardrail posts. Make sure the controller is closest to the end with the drive wheels.



4

Insert the bolts through the guardrail and secure in place with a nut. Tighten with a 9/16" socket & wrench.



## GUARDRAIL ASSEMBLY



**5** Install the second guardrail panel by sliding it onto the two remaining guardrail posts.



**6** Secure the two guardrail gates into place over the Q Lock. Always make sure the gates are closed and locked when the unit is in use.



**7** Insert the bolts through the guardrail and secure in place with a nut. Tighten with a 9/16" socket & wrench.



**CHECK POINT**  
Your Power Snappy should look like this.  
If so, continue onto the next step.

## FINAL ASSEMBLY

COMPONENTS		
ITEM NO	QTY	DESCRIPTION
PI-08-0030	1	Key



1

Run the cord from the controller down the inside of the ladder, clipping it to the rungs to secure it.



2

Plug the power cord into the battery box.



3

Plug the motor connections from the controller into their appropriate ports. They are labeled for you.  
R Motor = Right L Motor = Left



4

Insert the key and switch to the on position (see page 5). Your Power Snappy is now ready for use.



## BATTERY PACK REMOVAL



1

Unplug all connections from the battery first. Then remove the hair pin from the rod holding the battery box in place.



2

Slide the battery box out. We recommend putting the rod and pin back in place so you don't lose them.

## CHARGER REMOVAL



1

Unplug all connections from the charger first. Then remove the hair pin from the rod holding the charger in place.



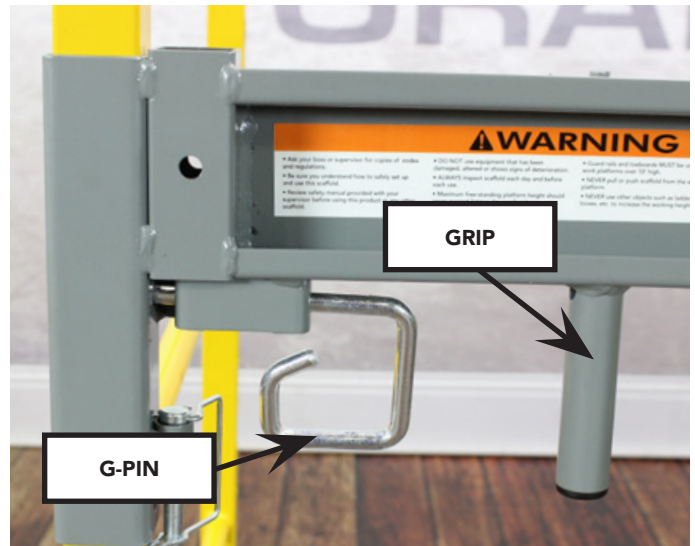
2

Slide the charger out. We recommend putting the rod and pin back in place so you don't lose them.

## PLATFORM HEIGHT ADJUSTMENT

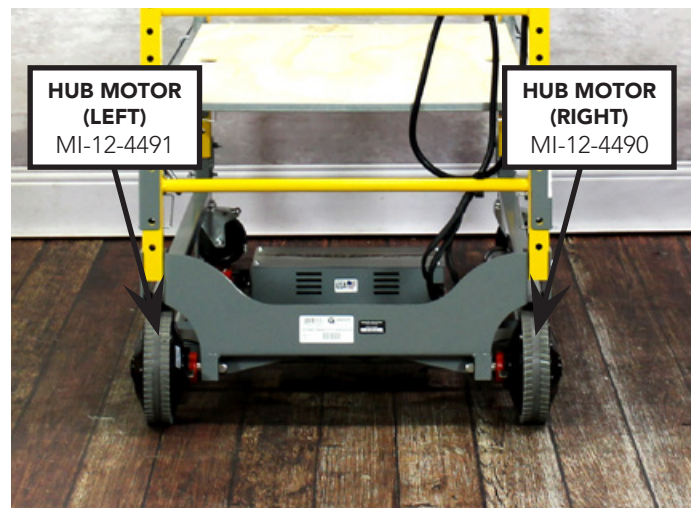
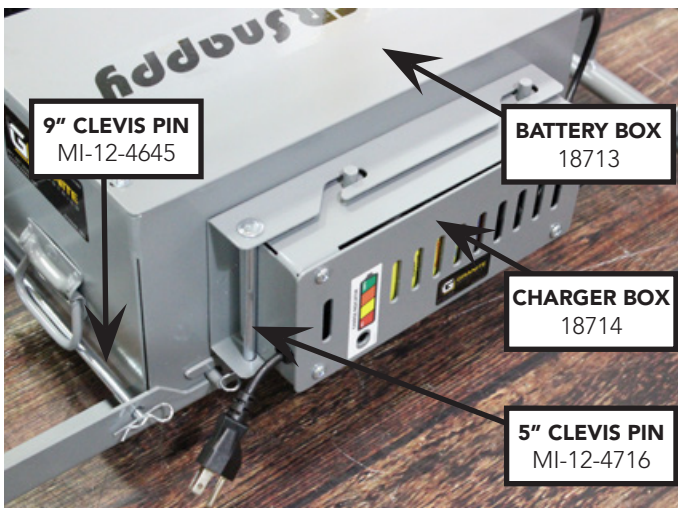
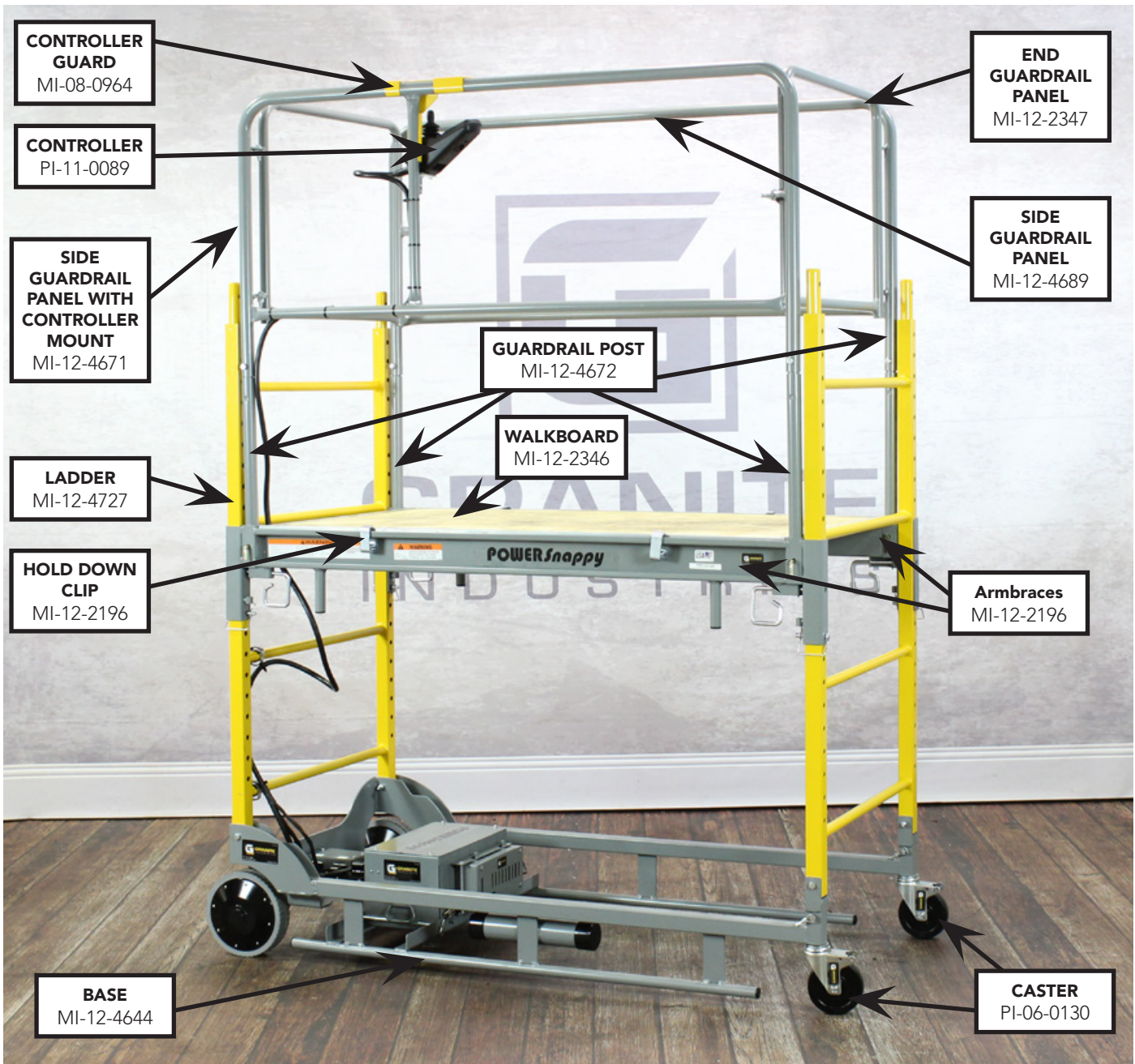
After Power Snappy is fully assembled, the only adjustment that needs to be made is to set the height of the work platform. The platform can be adjusted between 24" and 60". Follow the instructions below to change the work platform height.

1. First, position yourself at one end of the unit.
2. Place your thumb on the G-pin and your remaining fingers around the grip bar. Simultaneously squeeze both G-pins to disengage them from the ladder.
3. Now, either raise or lower the work platform in 6" increments.
4. Release the G-pins, so they securely lock back into the holes in the ladder frame. You may need to adjust them slightly until they do.
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.





## PARTS DIAGRAM





## COMPLETED UNIT





595 East Lugbill Rd  
Archbold, Oh 43502  
877-447-2648  
[graniteind.com](http://graniteind.com)