

# SEGVATOR®

THE ELEVATOR FOR YOUR SEGWAY® PT

## Installation & Operators Manual

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Purchase Date \_\_\_\_\_



## Important Safety Information

Make sure the vehicle has a properly installed hitch with adequate weight capacity to handle SegVator<sup>®</sup> and the Segway<sup>®</sup> Personal Transporter PT(s).

Do not haul anything on SegVator<sup>®</sup> other than the Segway<sup>®</sup> PT(s). Doing so could result in damage and/or injury and voids the product warranty.

Keep area beneath and around SegVator<sup>®</sup> clear of all obstacles during operation. Severe injury or death could occur – stay clear.

Keep children away from SegVator<sup>®</sup>. Do not let anyone operate SegVator<sup>®</sup> that hasn't been properly trained in its' safe operation.

The Segway<sup>®</sup> PT must be turned completely off before transporting on SegVator<sup>®</sup>.

Ground contact can occur while traversing steep driveway transitions, parking ramps, sudden road dips and speed bumps. There may be other hazards beyond the examples listed. Use caution, approach at a slow speed and attempt to cross at an angle or, if possible, avoid the hazard altogether.

SegVator<sup>®</sup> is not intended for and not to be used in off-road applications.

Do not attempt to tow anything behind SegVator<sup>®</sup>. Do not use SegVator<sup>®</sup> on a vehicle being towed.

Do not haul only one Segway<sup>®</sup> PT while in dual mode. You must haul two Segway<sup>®</sup> PT's while in dual mode to properly balance the load on SegVator<sup>®</sup>. If you have a dual version, switch to single mode for hauling only one Segway<sup>®</sup> PT.

Do not attempt to use the emergency crank handle while the power is connected.

Recreational Vehicle applications should mount SegVator<sup>®</sup> on the front of the RV to safeguard against ground contact and preserve towing capabilities.

Do not run the motor after it has reached the fully retracted (raised) or fully extended (lowered) positions. You will hear a "clatter" sound that lets you know the limit has been reached. Continued operation after the direction limit has been reached may result in damage to SegVator<sup>®</sup>.

Disconnect charge plug(s) from your Segway<sup>®</sup> PT(s) before lowering SegVator<sup>®</sup>. Damage may occur to either SegVator<sup>®</sup> or the Segway<sup>®</sup> PT(s) if you attempt to lower the unit with the charge cord(s) plugged-in.

The vehicle license plate may be obstructed by SegVator<sup>®</sup> or the Segway<sup>®</sup> PT(s). Relocation of the license plate may be necessary to comply with state or local laws. The vehicle owner is responsible to comply with all state and local laws.

Register the product with SegVator<sup>®</sup>, LLC to ensure you receive any safety updates or additional information on new options and accessories at [www.segvator.com](http://www.segvator.com).

Before beginning installation, please verify the following:

The vehicle hitch type and class is of adequate capacity to handle the weight of SegVator<sup>®</sup> and the Segway<sup>®</sup> PT(s) and the hitch is properly installed.

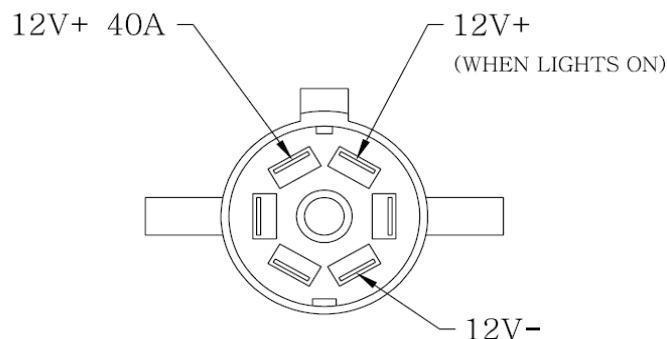
The vehicle has a standard 7-way round RV style electric plug installed with the aux. circuit connected. The aux. circuit is how SegVator<sup>®</sup> gets its power. The aux. circuit on the electric receptacle mounted to the vehicle has a prong at the one-o'clock position which is positive and the seven-o'clock position which is negative. A fuse/breaker of 40 amp capacity is necessary and may need to be added in the fuse block of the vehicle. Wiring must be 10 gauge or heavier if running additional wires to the vehicle plug. Consult your vehicle dealer to properly power SegVator<sup>®</sup>.

SegVator<sup>®</sup> must be wired either directly from the fuse block or from the battery with an in-line 40 amp fuse and 10 gauge or heavier wire.

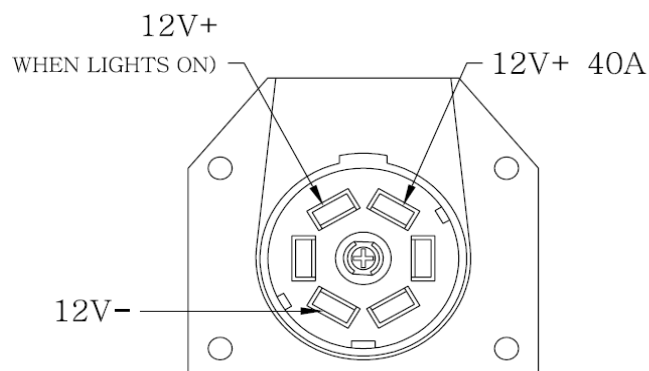
SegVator<sup>®</sup> also utilizes the running lights circuit to activate the power inverter via a power sensing relay. Vehicle engine and lights must be on to charge your Segway<sup>®</sup> PT(s). The running lights circuit must be wired into your vehicle electrical plug to use the power inverter. This is a safety feature to insure proper voltage and battery condition preventing potential battery drain.

## VIEW

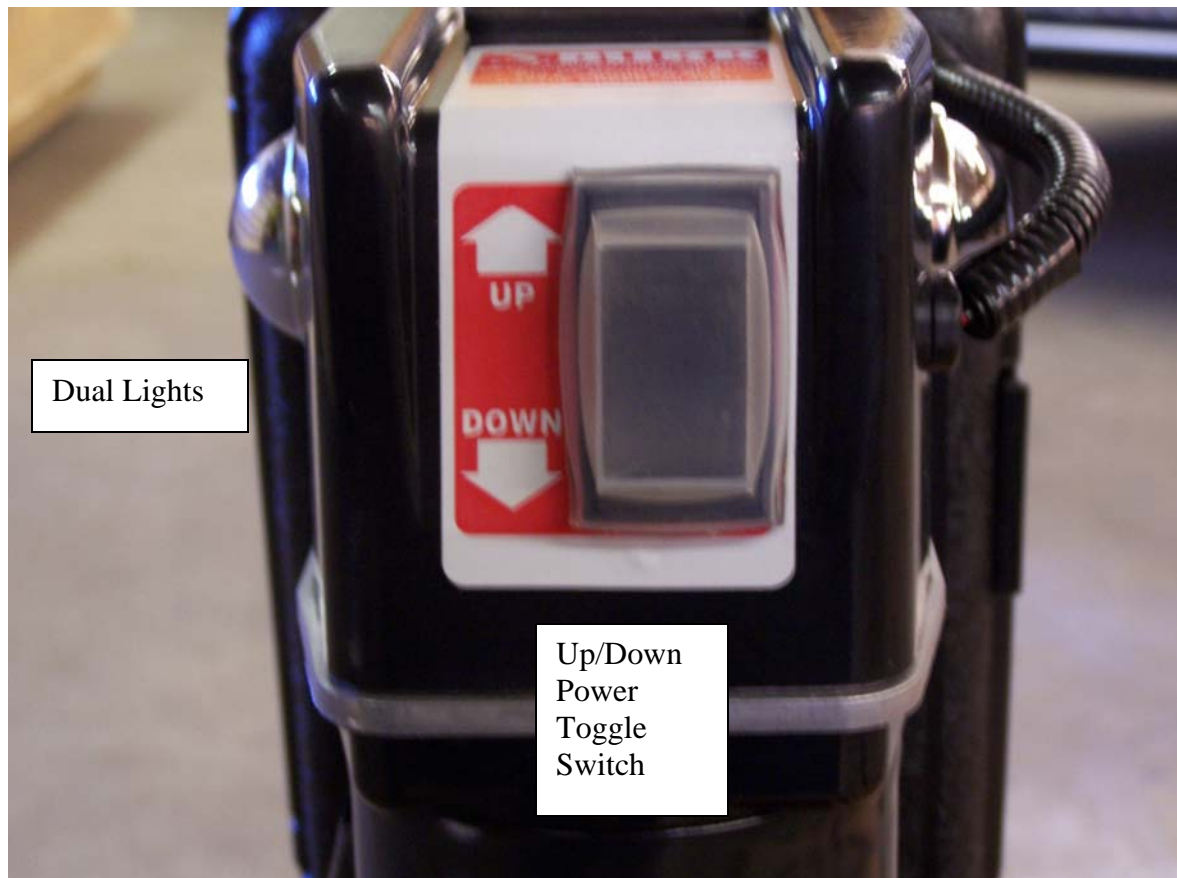
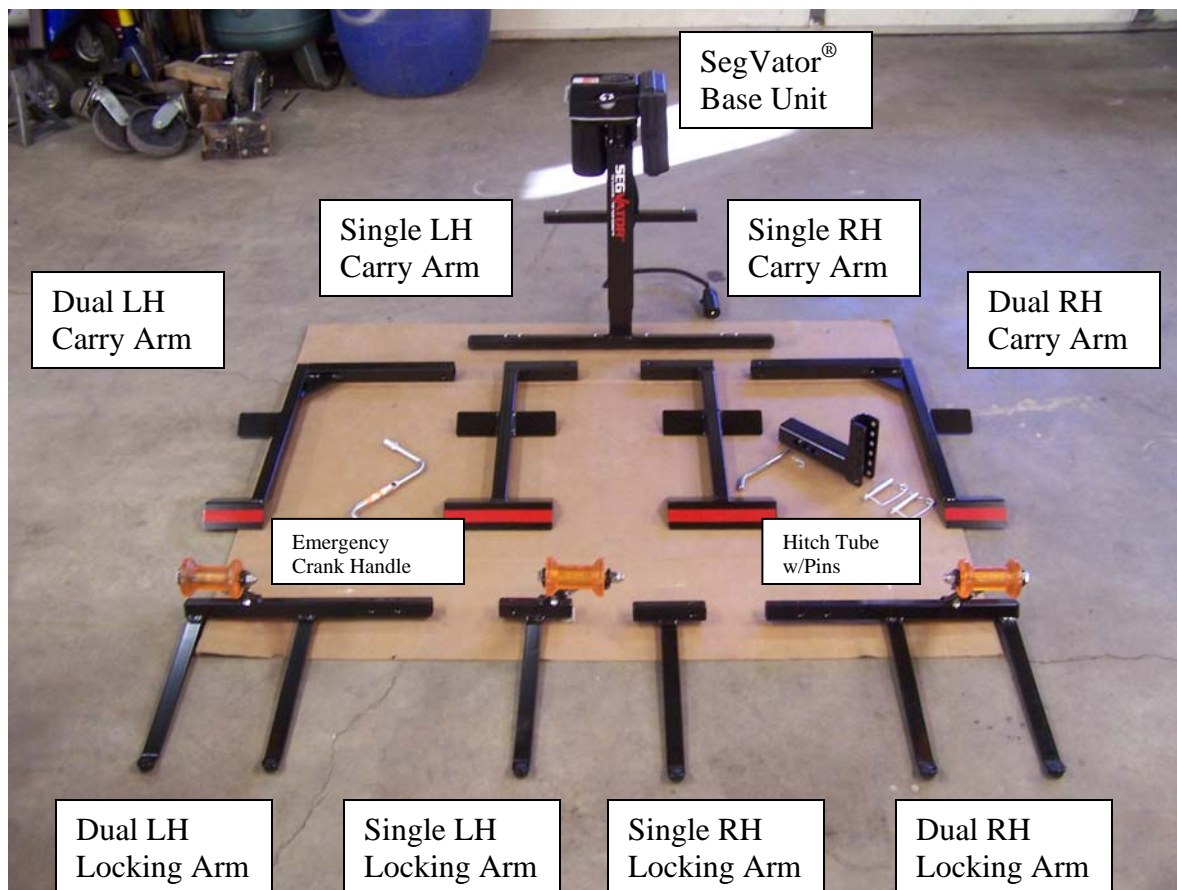
END OF SEGVATOR PLUG



VEHICLE END SOCKET

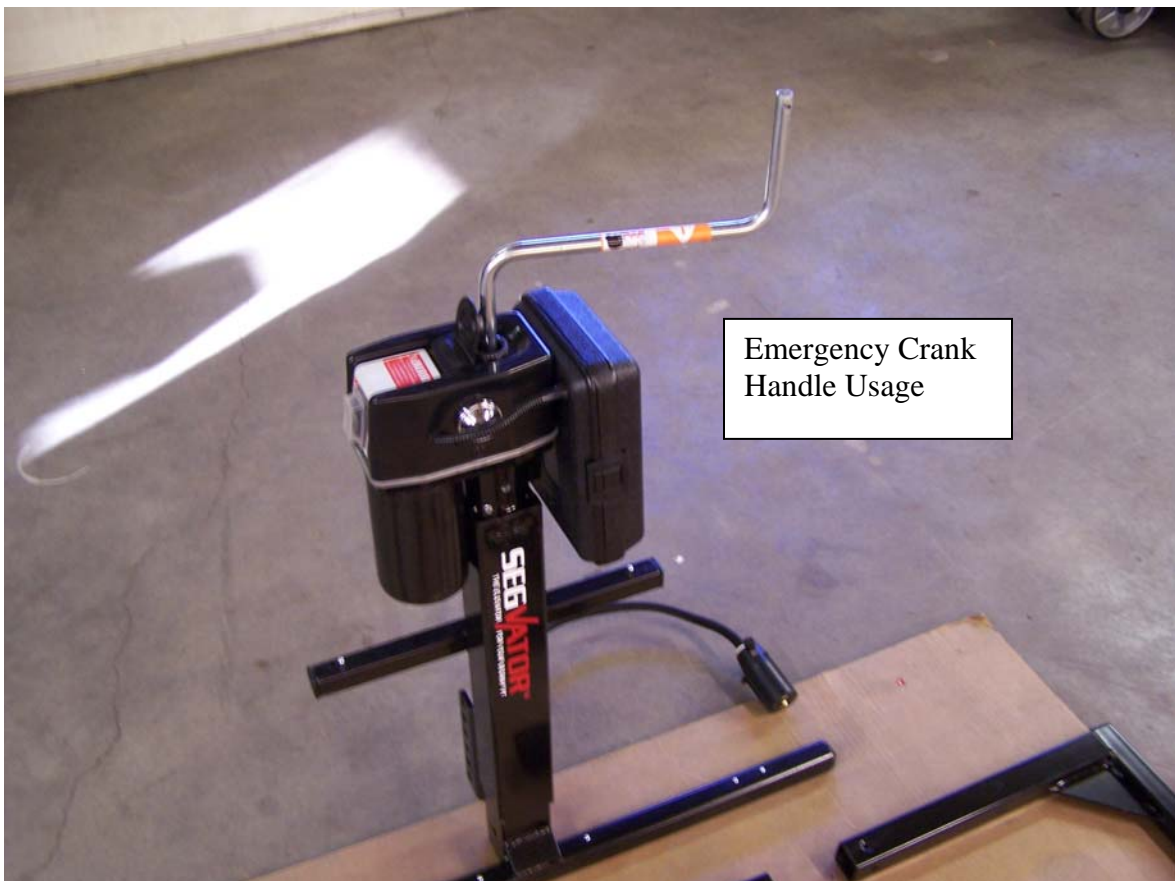


## Parts Identification List

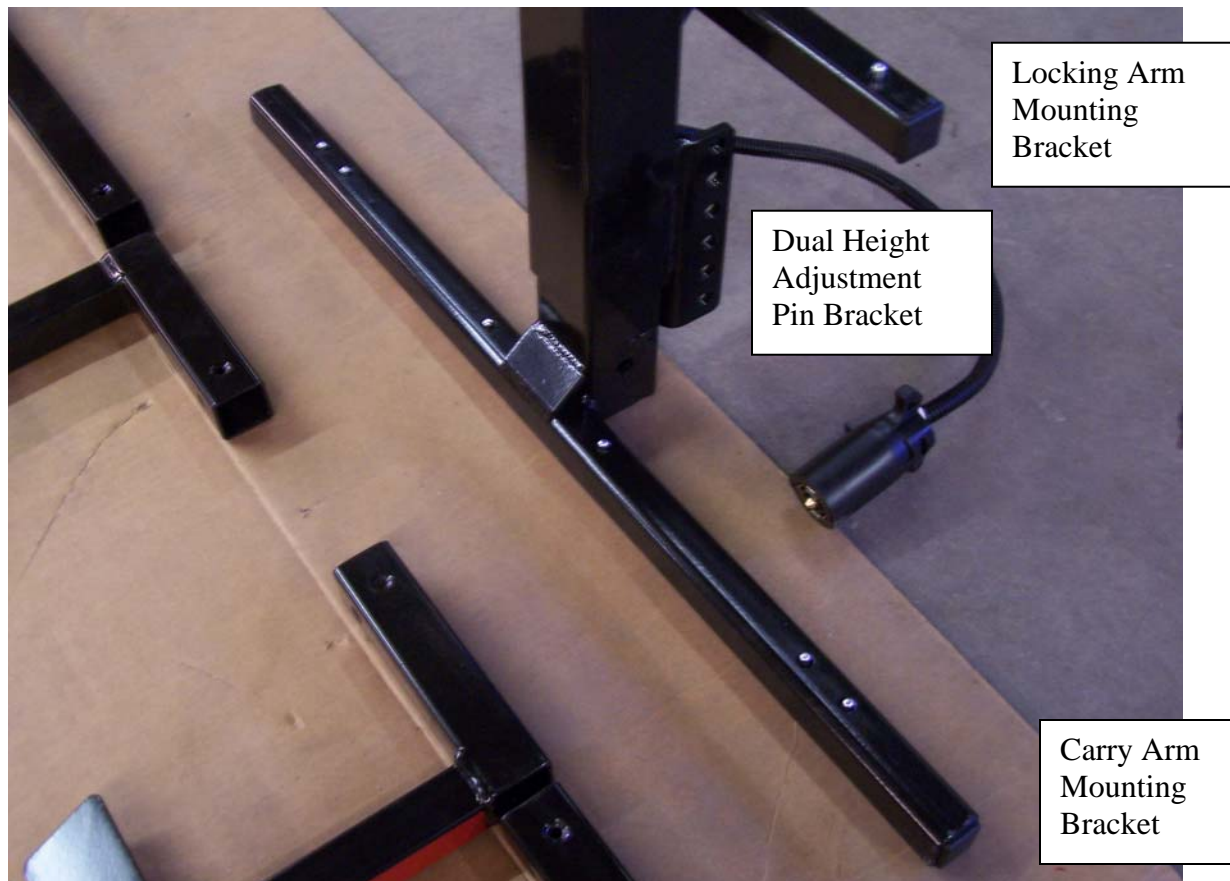
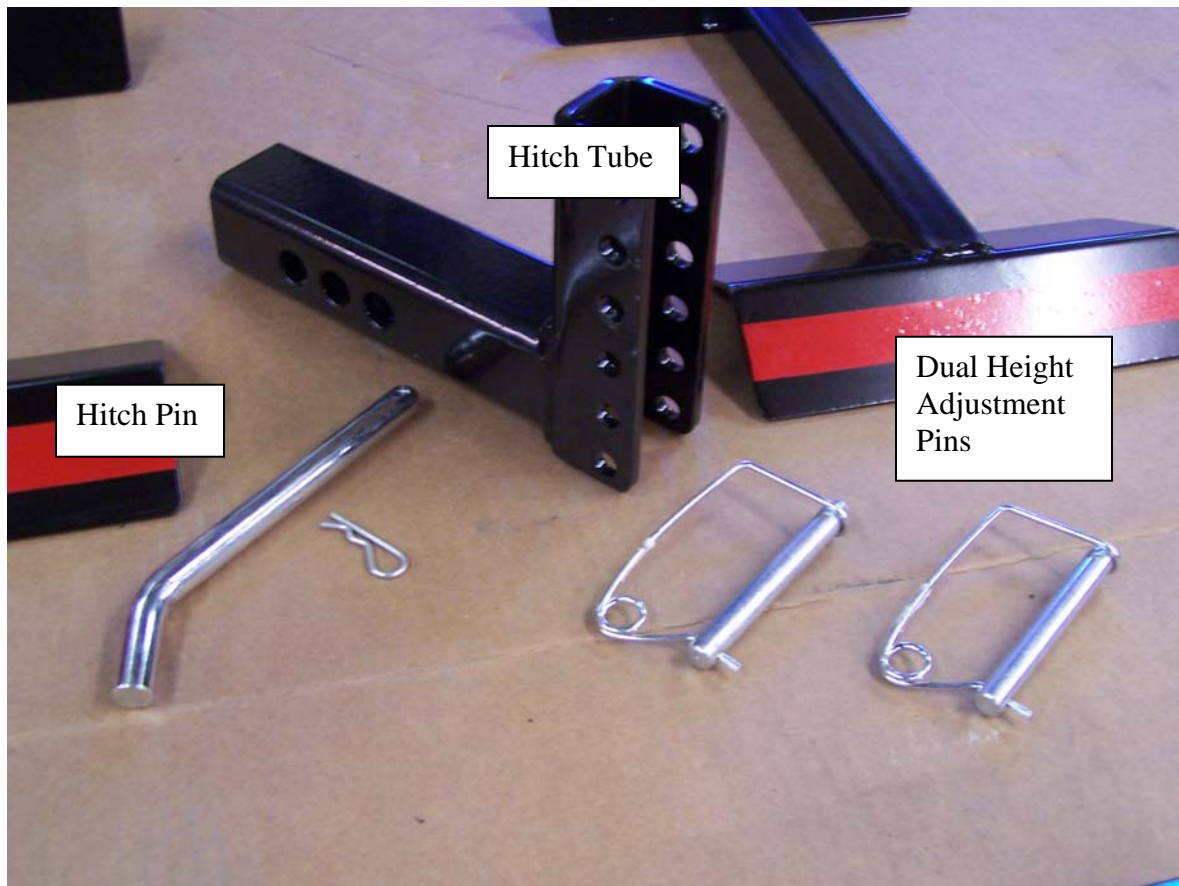




## Parts Identification List

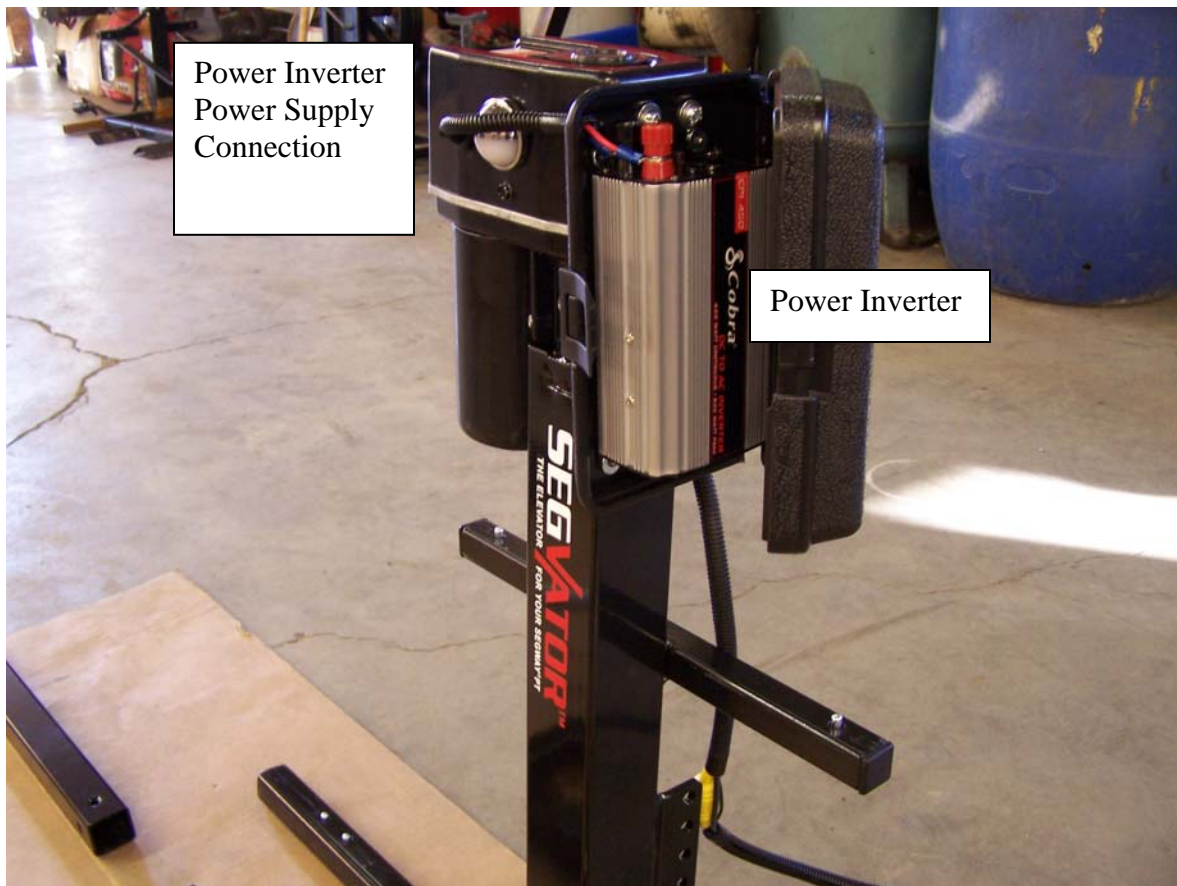


## Parts Identification List





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Power inverter comes in a weather resistant case. Keep case closed during any kind of precipitation or when not being used to charge your Segway® PT(s).

Sever damage to the inverter will occur if the unit gets wet.

Case cover must be open when in use for proper ventilation and cooling.

Your vehicle must be running with your lights on to charge your Segway® PT(s) using the power inverter. There is a power sensing relay that detects the running lights via the vehicle electrical plug and will power the inverter when the running lights are on. This is a safety feature to insure proper voltage and battery condition preventing potential battery drain.

Disconnect charge plug(s) from your Segway® PT(s) before lowering SegVator®. Damage may occur to either SegVator®, the power inverter or the Segway® PT(s) if you attempt to lower the unit with the charge cord(s) plugged-in.

## Installation

### Step 1

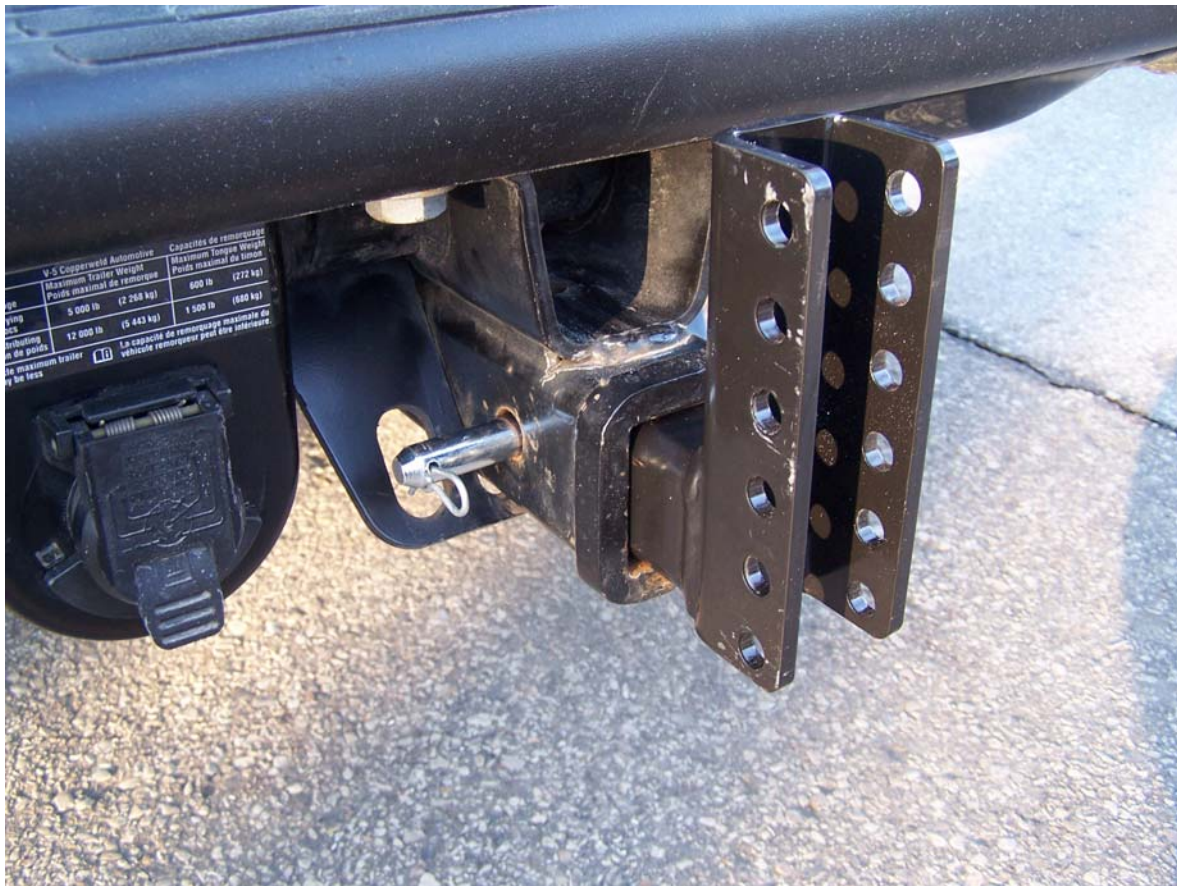


Install the hitch tube into the vehicle hitch receiver and install the single hitch pin and cotter key supplied with SegVator<sup>®</sup>.

Use the hitch pin hole that allows the hitch tube to remain in as far as possible while still clearing the bumper and any other obstruction at the rear of the vehicle.



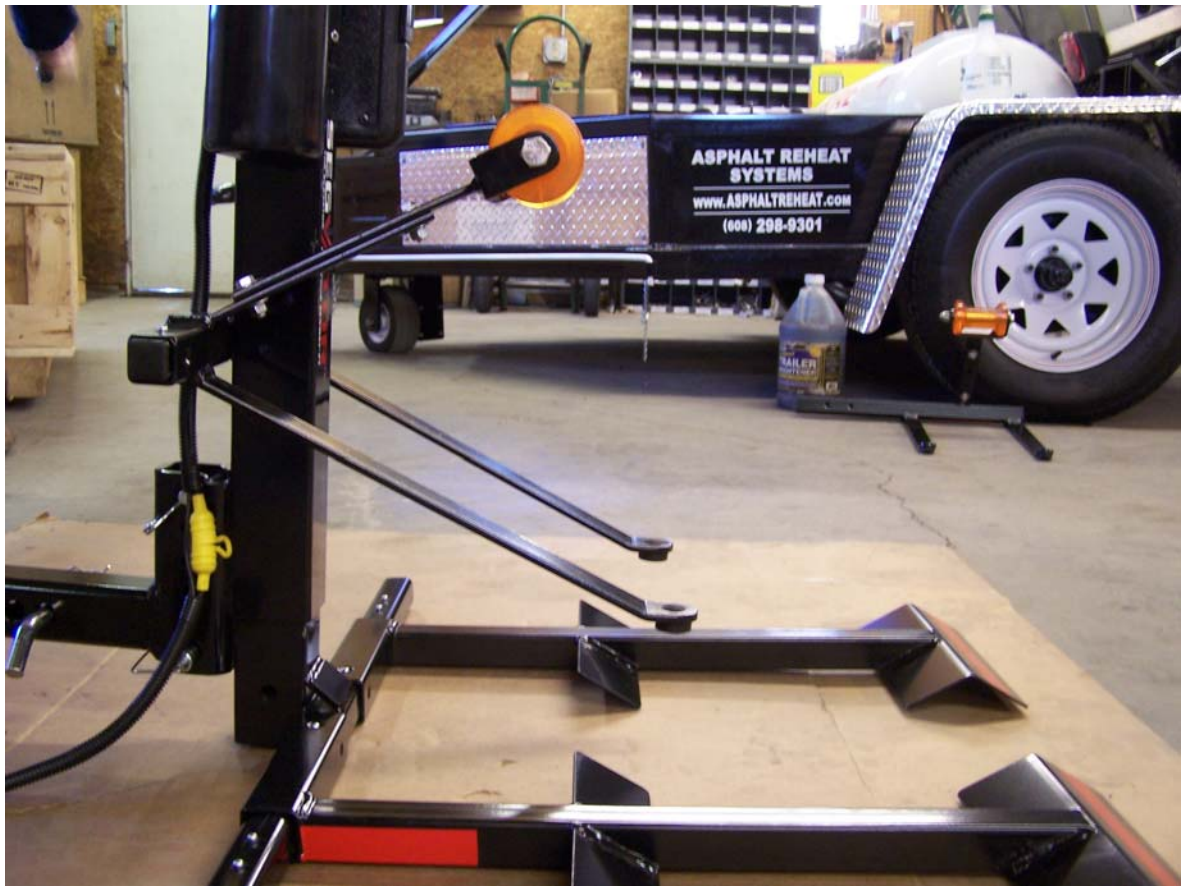
Hitch Tube Installed.



## Step 2

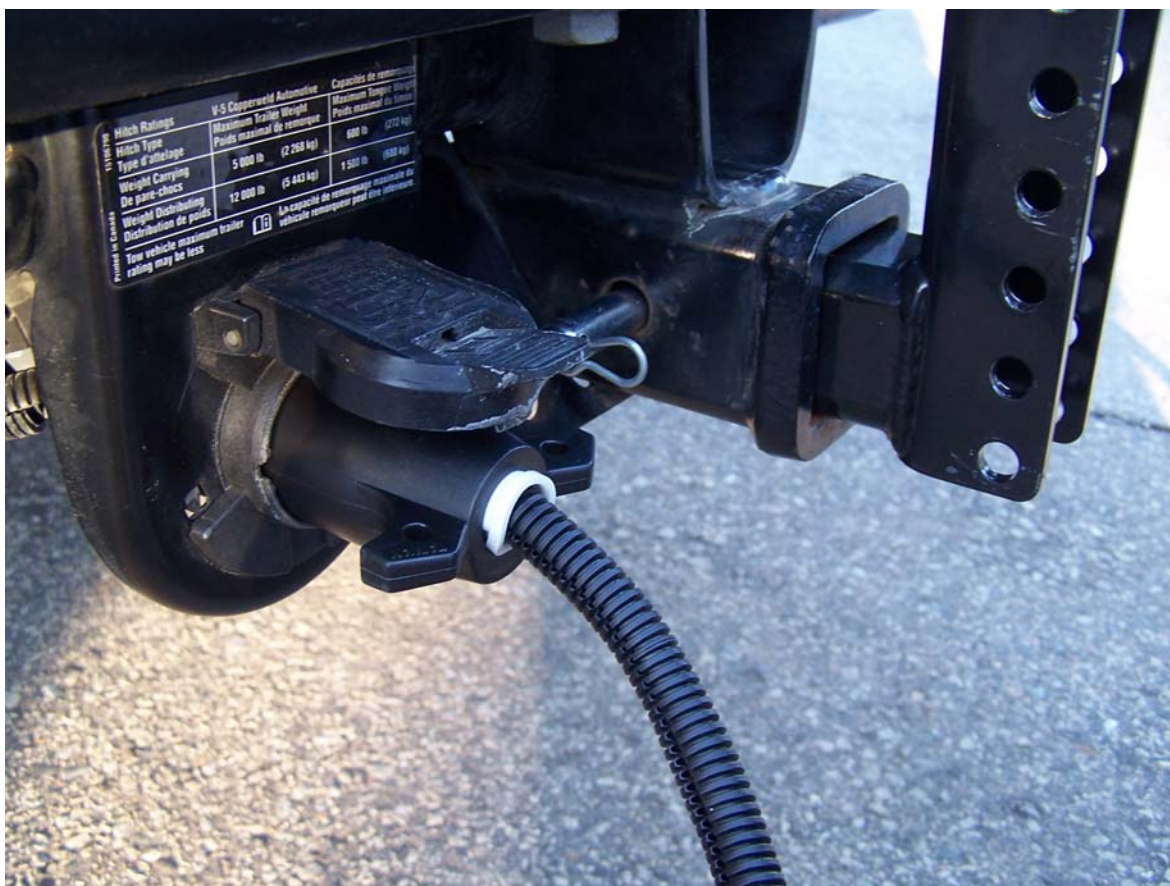


Remove SegVator<sup>®</sup> from package. Install carry arms and locking arms as shown. SegVator<sup>®</sup> will be able to stand on its own at this point with the carry arms in the transport mode.





### Step 3



Position SegVator® directly behind the hitch and attach the electric plug to the vehicle.

#### Step 4

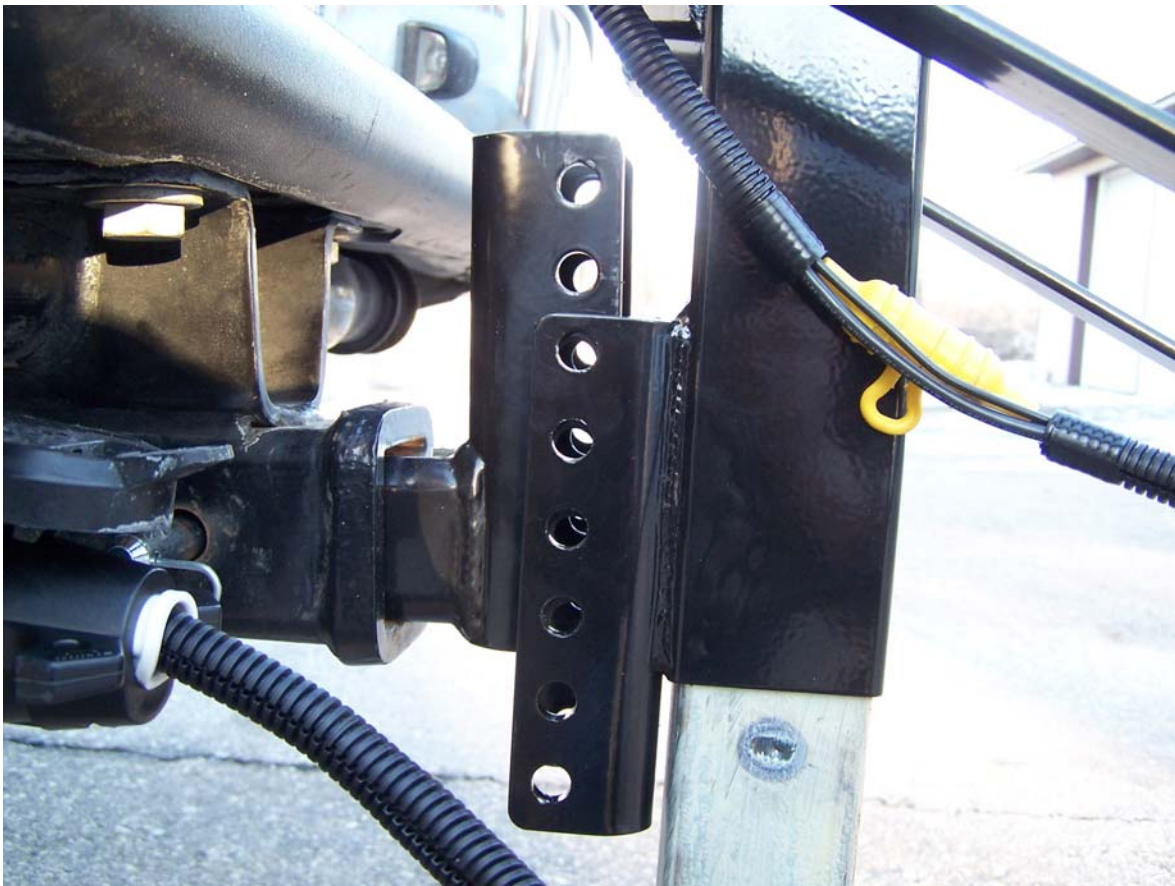


Depress the down (lower) portion of the toggle switch on SegVator<sup>®</sup> to fully extend the unit for alignment purposes.

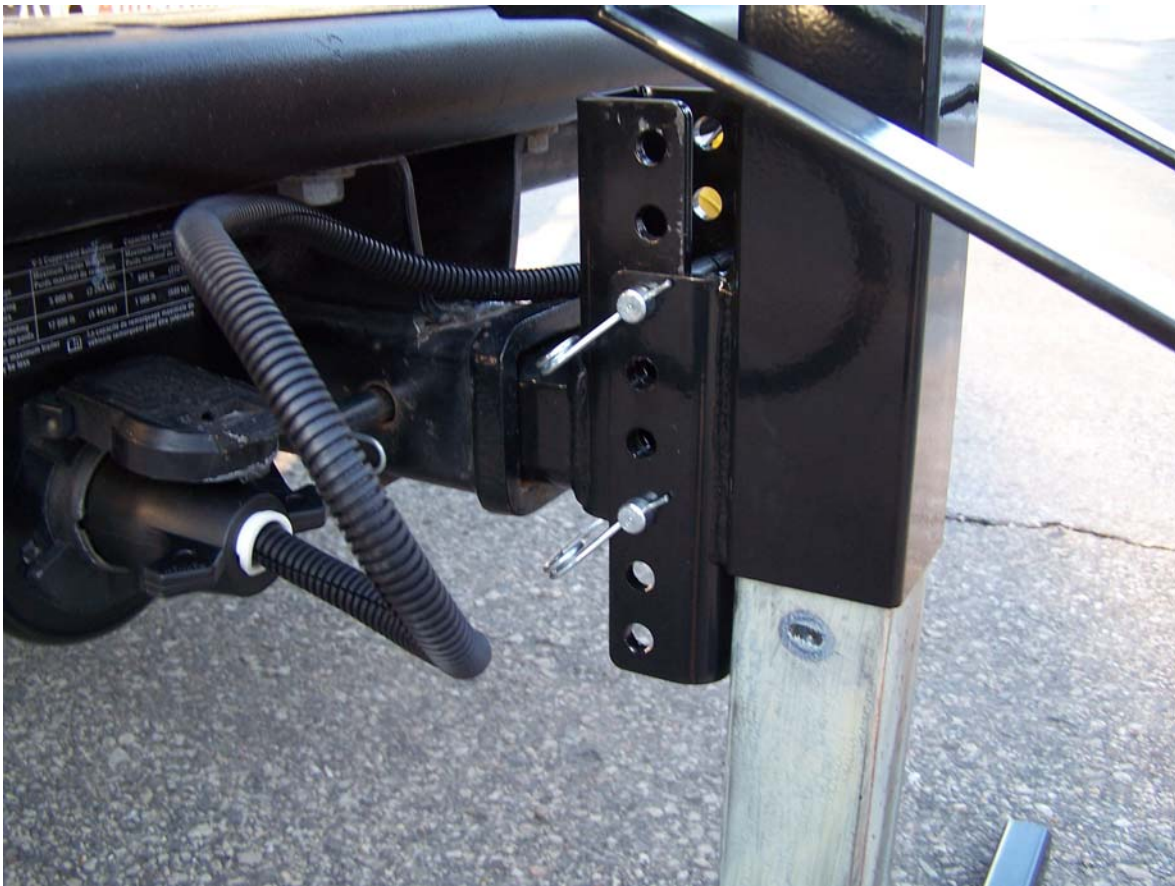


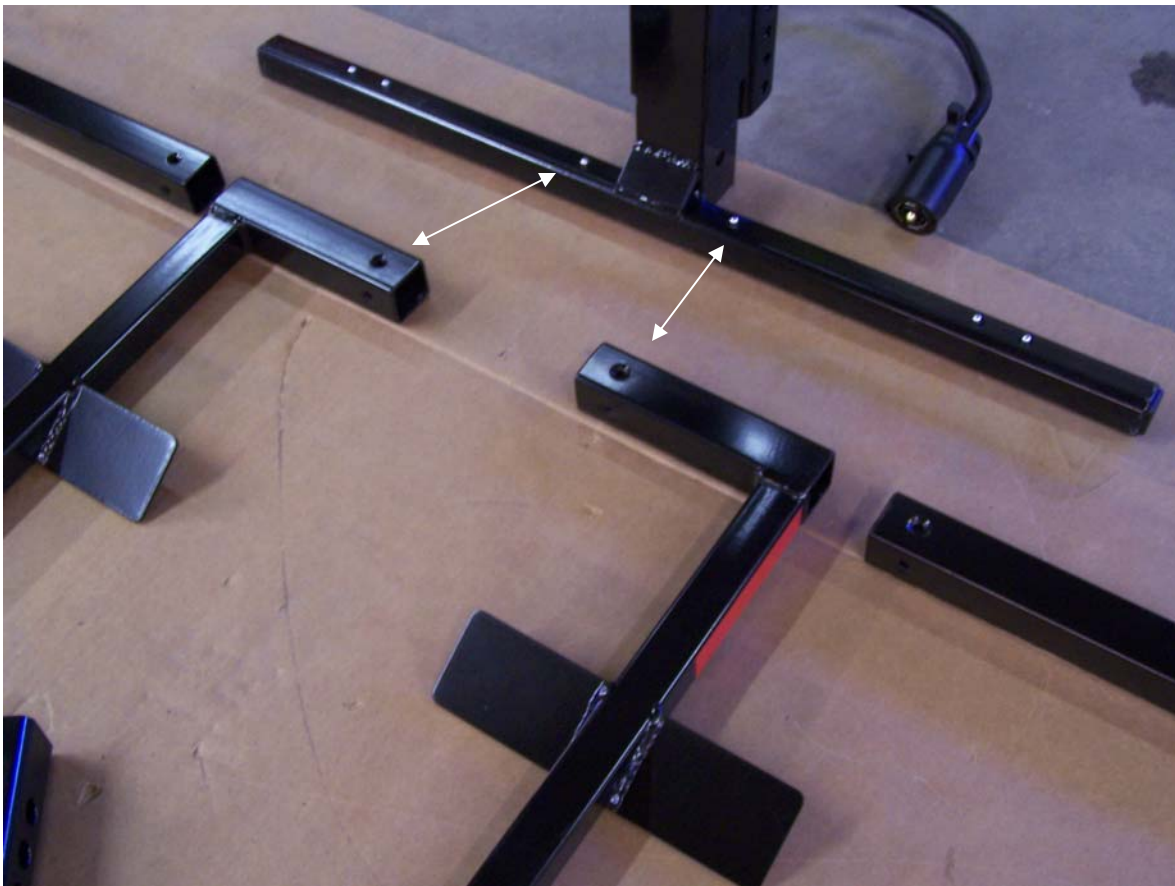
Once the maximum height is reached, retract unit slightly (up toggle on the switch) to align with the closest set of dual height adjustment pin holes.





Secure the dual height adjustment pins attaching SegVator<sup>®</sup> to the hitch tube with pins provided.





Single transport mode carry arms pin all the way in on the carry arm mounting bracket for all models except the X2.





Carry arms mount between the locking pins for transporting the X2 model. This is for single mode only.



Set locking arm roller length for the Segway® PT model being transported. Long (as shown above) for i2 model and short (next photo) for all other models.

Use (2) two ½ inch wrenches to change spacing for your specific model, if necessary.



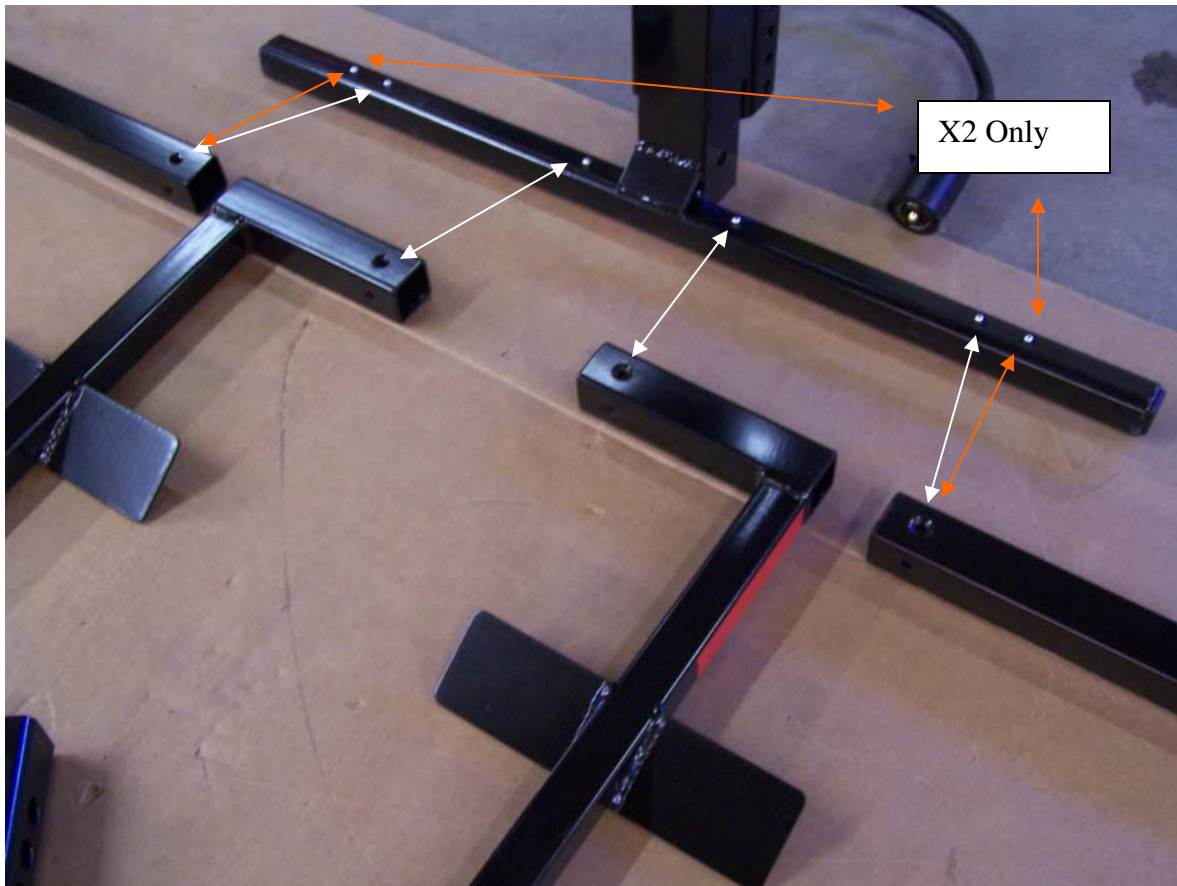


## Step 5



If you have the dual SegVator® option (if not go to Step 6), remove the single locking arms and install the dual locking arms. Install the dual carry arms adjacent to the single carry arms.

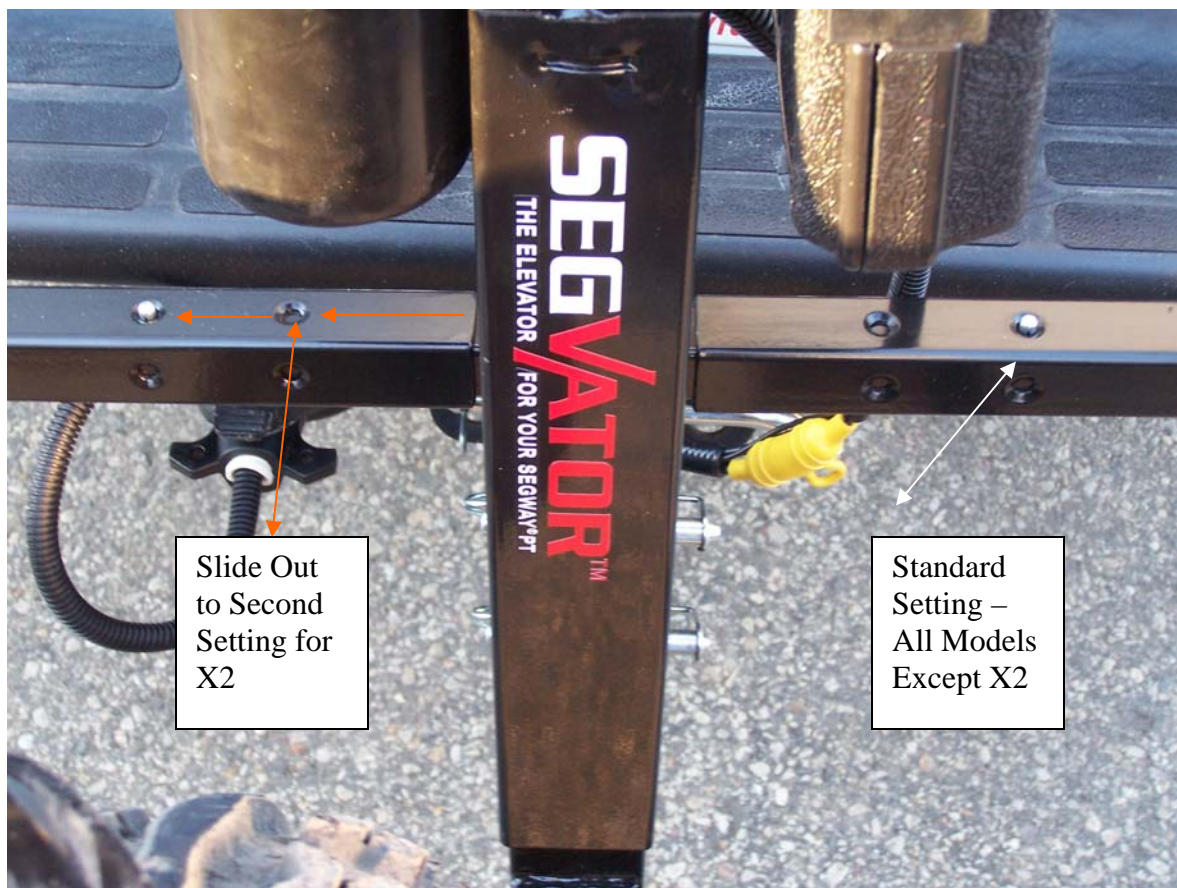
See the following pages for proper settings for the carry arms and locking arms.



Multiple options are available for transporting in dual mode.

Use the inside most pin settings on the carry arms for all models except the X2.

For the X2, keep the inside carry arm all the way in and use the outside pin setting on the dual carry arms as indicated in the orange arrows. Only use this setting for the carry arm side that will be transporting the X2.



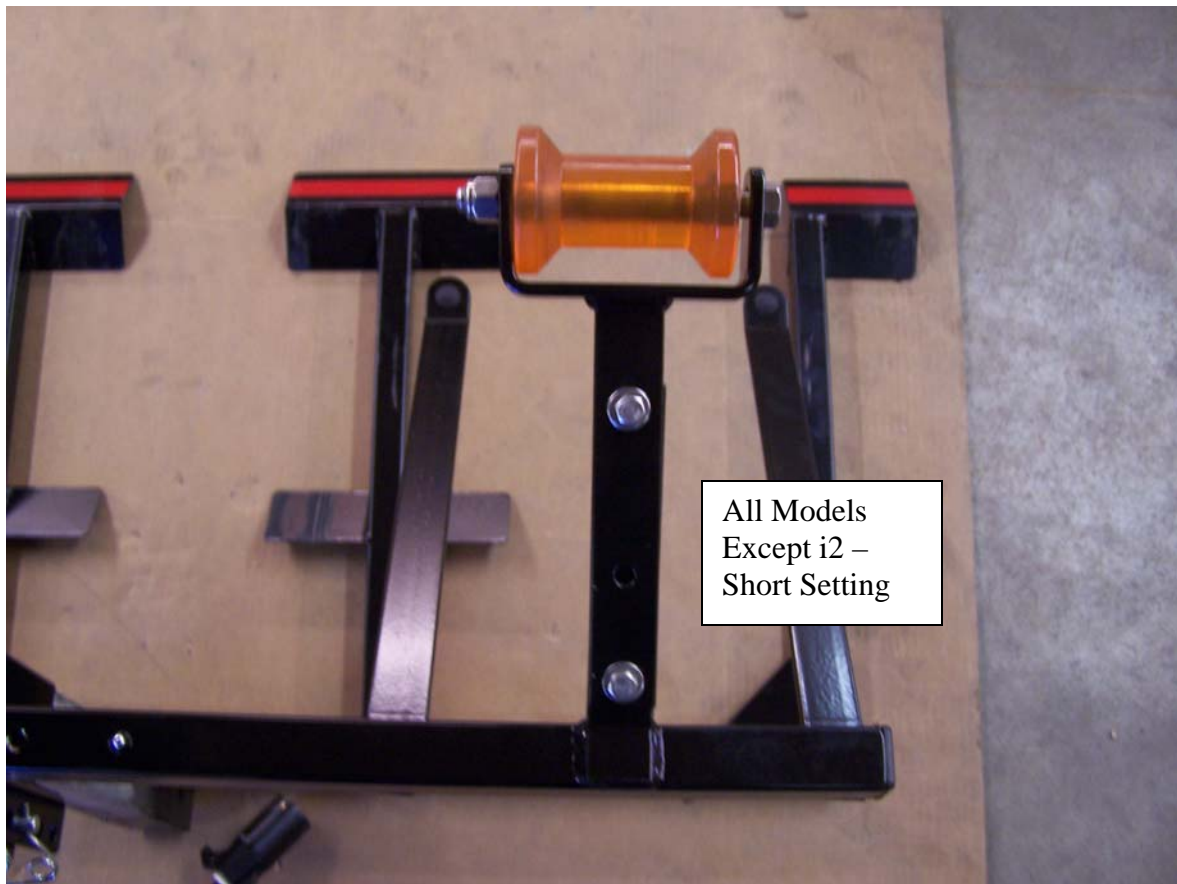
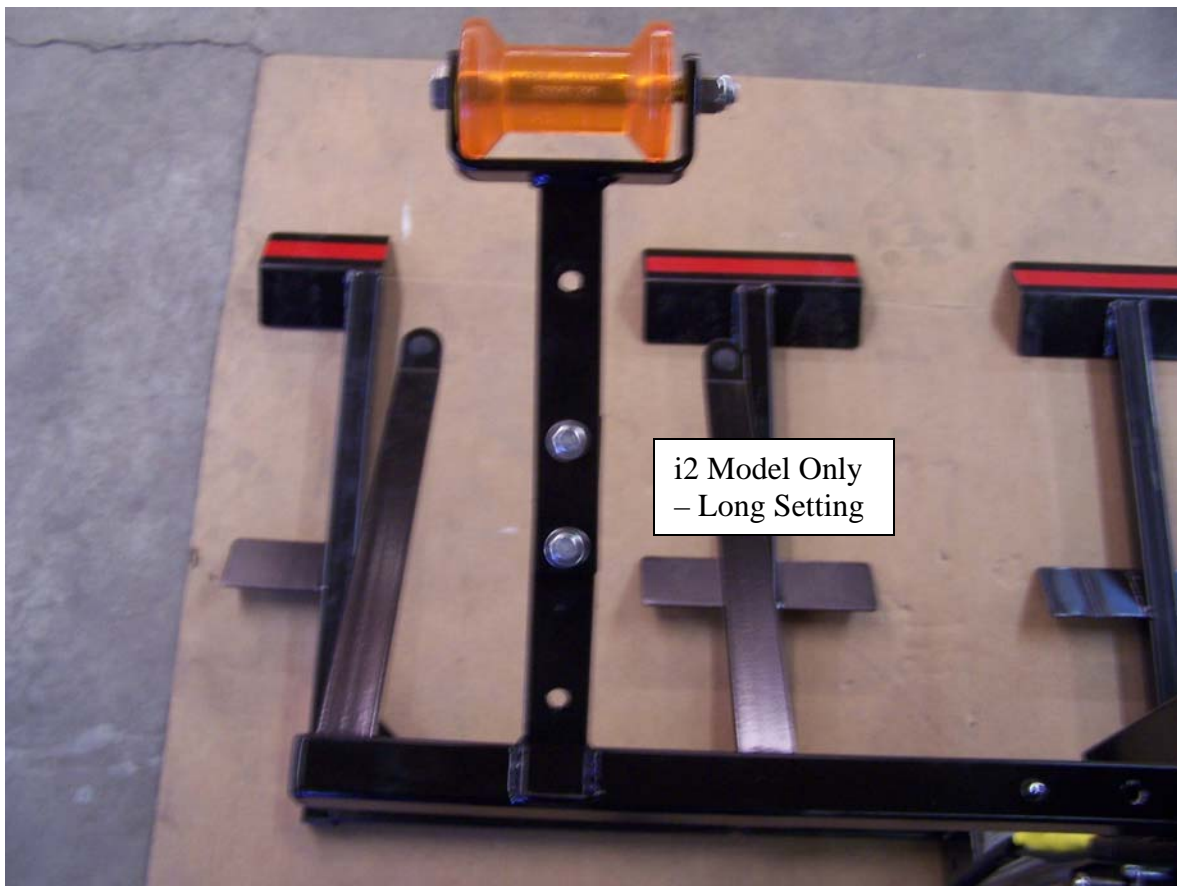
Use the innermost locking arm setting for all models except the X2.

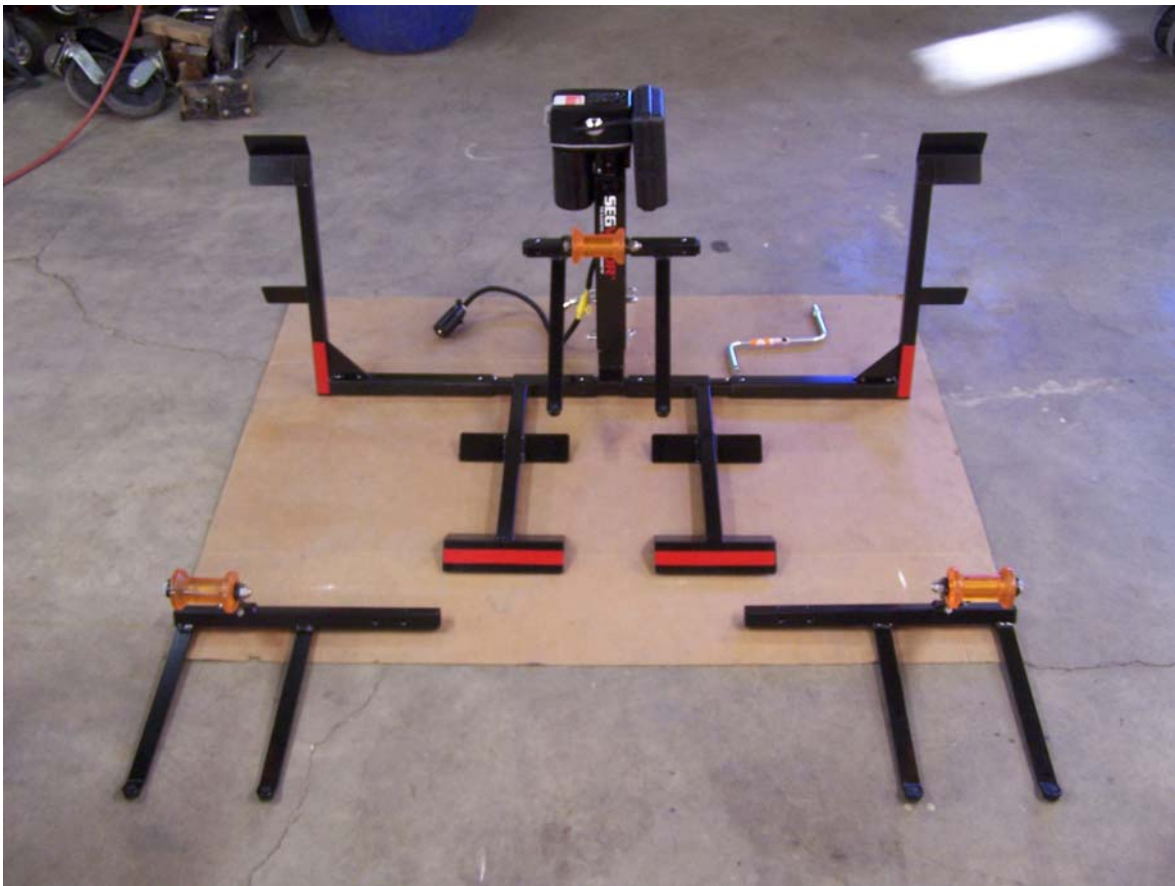
Use the outermost locking arm setting for the side transporting the X2.

Adjust the locking arm rollers on each side for the models being transported (see next photos). The long setting is for the i2 model. The short setting is for all other models.

Use (2) two ½ inch wrenches to adjust.







If you have the dual option and are going to haul only one Segway® PT, stow (or remove) the outside carry arms, remove dual locking arms and replace with single locking arms and haul the Segway® PT in the center of SegVator®. **Do not haul only one unit on either side – always haul a single unit in the center of the carrier.**



Fully lower SegVator<sup>®</sup> to make sure it reaches ground level. If not, use next set of dual height adjustment pin holes to lower the unit.

Place the Segway<sup>®</sup> PT on the carry arms and raise until tightly secured or the motor begins to “clatter”. Make sure the locking arm roller is fully seated on the control shaft or LeanSteer<sup>™</sup> shaft and the locking feet are in solid contact with the Segway<sup>®</sup> PT platform base. Also make sure the tires are fully seated in the carry arm tire wells.

Do not run the motor after it has reached the fully retracted (raised) or fully extended (lowered) positions. You will hear a “clatter” sound that lets you know the limit has been reached. Continued operation after the direction limit has been reached may result in damage to SegVator<sup>®</sup>.

Disconnect charge plug(s) from your Segway<sup>®</sup> PT(s) before lowering SegVator<sup>®</sup>. Damage may occur to either SegVator<sup>®</sup> or the Segway<sup>®</sup> PT(s) if you attempt to lower the unit with the charge cord(s) plugged-in.

Your vehicle must be running with your lights on to charge your Segway<sup>®</sup> PT(s) using the power inverter. There is a power sensing relay that detects the running lights via the vehicle electrical plug and will power the inverter when the running lights are on. This is a safety feature to insure proper voltage and battery condition preventing potential battery drain.

The Segway<sup>®</sup> PT must be turned completely off before transporting on SegVator<sup>®</sup>.





## SEGVATOR® LIMITED WARRANTY

"We, "us" and "our" refer to SEGVATOR®, LLC.

### LIMITED WARRANTY:

We provide a limited warranty to the original retail purchaser (referred to herein as "you" or "your") of the SegVator® and its related parts and accessories (the "Products") that the Products will be free from material defects in workmanship and materials under normal use and service for a period of six months (except for the electronic system and power inverter which warranty extends for a period of 90 days) from the date of your retail purchase (the "Warranty Period"). We shall assign to you any applicable manufacturer's warranties for the Products, to the extent permitted by such manufacturer. Any oral or written description of the Products is for the sole purpose of identifying the Products and shall not be construed as an express warranty. Prior to installing, using or permitting the installation and use of the Products, you shall determine the suitability of the Products for the intended use and will cause the Products to be installed correctly. You shall assume all risk and liability whatsoever in connection therewith. We provide NO WARRANTY for the Products in cases of damage in transit, negligence, abuse, abnormal usage, misuse, accidents, normal wear and tear, damage due to environmental or natural elements, failure to follow our instructions or improper installation, storage or maintenance.

### REMEDY:

Our sole and exclusive obligation under this warranty (and your sole and exclusive remedy) shall be, upon prompt written notice to us by you during the Warranty Period of any defect related to the Products, to either, at our option, repair or replace without charge, F.O.B. our facility, any of the defective Products or part thereof expressly warranted herein by us against defects and found by us in our sole discretion to be defective and covered by this warranty. This warranty covers only replacement or repair of defective Products or parts thereof at our main facility. To provide us notice of a warranty claim or request for warranty service, send us notice including proof of purchase at the following address: **SegVator®, LLC, 11200 W. Silver Spring Rd., Milwaukee, Wisconsin, USA, 53225, warranty@segvator.com** or contact us at **414-461-9100**. The costs, expenses and all risks associated with shipping for returning the Products, as well as the costs and expenses of getting the Products from us are your responsibility.

### DISCLAIMER OF WARRANTIES:

**FOR COMMERCIAL PRODUCTS, ALL WARRANTIES IMPLIED BY LAW, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE DISCLAIMED AND SHALL NOT APPLY. FOR CONSUMER PRODUCTS, WARRANTIES IMPLIED BY LAW, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE WARRANTY PERIOD AS DESCRIBED ABOVE.** Some states do not allow limitations on how long an implied consumer warranty lasts, so the above limitation may not apply to you.

### LIMITATION ON DAMAGES:

**OUR AGGREGATE LIABILITY WITH RESPECT TO DEFECTIVE PRODUCTS SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE ORIGINAL PURCHASE PRICE YOU PAID FOR THE PRODUCTS. IN NO EVENT SHALL WE BE LIABLE FOR DAMAGE CAUSED TO A SEGWAY® RESULTING FROM THE PRODUCTS, OR FOR ANY OTHER INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE, OR OTHER INDIRECT DAMAGES OR LOST PROFITS.** Some states do not allow the exclusion or limitation of incidental and consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.