



Super Pusher G36

Installation Instructions

Congratulations on your purchase of a new N-III Super Pusher G36.

Your new Super Pusher G36 has been designed to attach to and propel your push cart. The system is emissions free and ready to be used indoors or outdoors. The Super Pusher G36 will propel your cart in forward or reverse at speeds from slow to fast walking speed with no complicated buttons or switches. Press the throttle at the speed setting you want and just guide the direction.

This manual will guide you through the simple installation steps required to attach your new Super Pusher G36 to your cart. For additional questions, please contact your Super Pusher G36 sales representative.

**WARNING:**

Read and understand all instructions prior to operating Super Pusher G36. Failure to follow instructions may lead to serious injury or property damage.

**WARNING:**

Read and understand the Operator's Manual. Failure to follow instructions may lead to serious injury or property damage.

**WARNING:**

Sheet Metal components may have sharp edges.

Tools/Hardware Required (other tools may be required)

- Wrench set up to 3/4"
-  • 5/16" or 3/8" bolts or screws to mount wheel bracket/cantilever arm to the cart
 - Due to unpredictable cart configurations mounting bolts are not included in the kit.

Tools Possibly needed

- 3/8 drill bit and drill. Would be used to drill or widen holes for motor mount
- Any tool (file) or sandpaper for cleaning burrs from the drilled holes
- Cleaning supplies to clean surface before applying sticky tie wrap anchors.

Included with your Super Pusher G36 for installation (Typical Install)

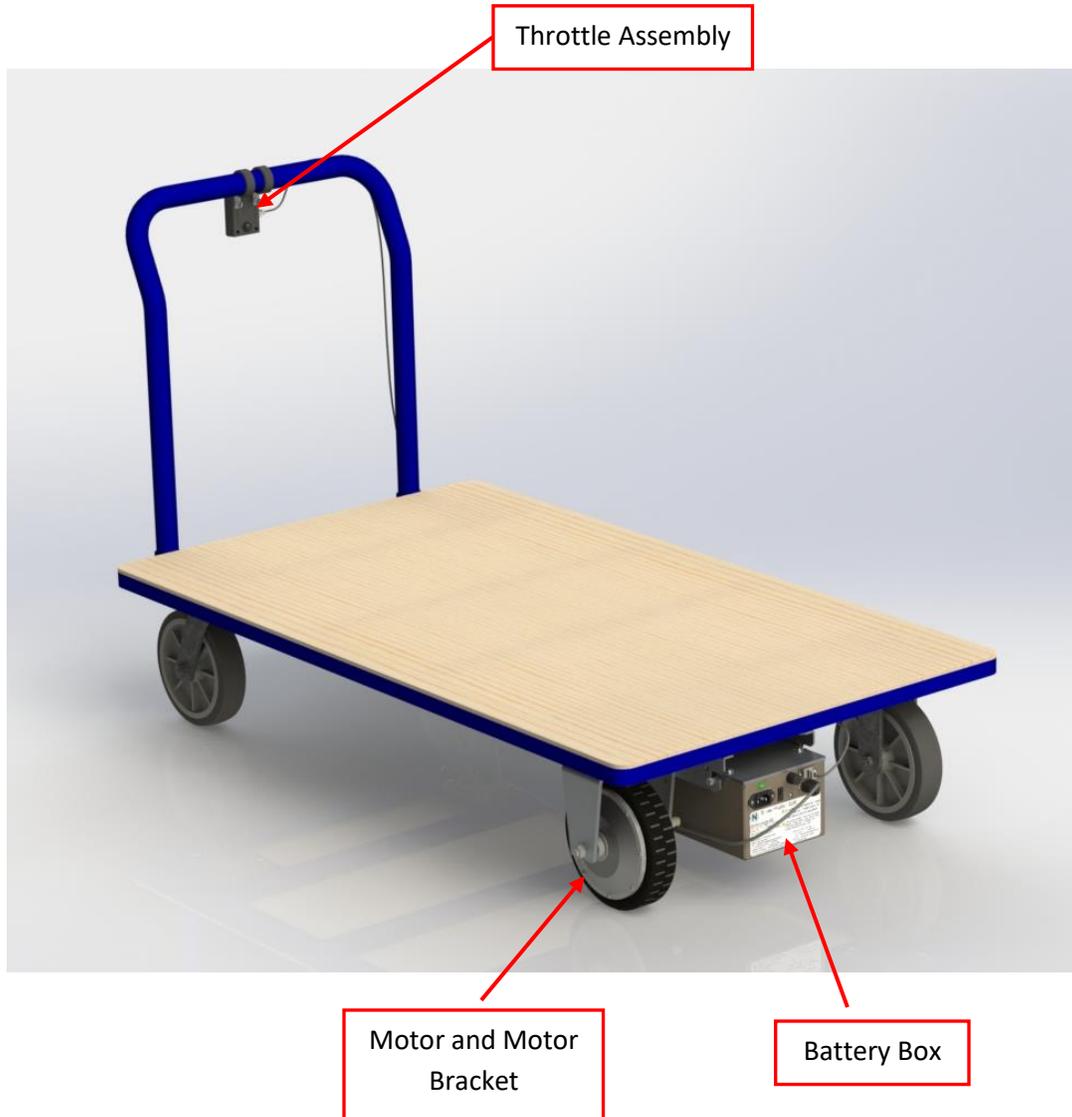
- Sticky tie-wrap anchors
- Tie-wraps

Other tools may be required depending on your cart's configuration and build.

Note: Your Super Pusher G36 uses an 8" hub motor designed to be used with 8" casters on the cart. If your cart has other than 8" casters, replace the other casters with 8" casters prior to proceeding. The Super Pusher G36 is to be used in conjunction with one (1) fixed caster and two (2) swivel casters.

This guide uses a flat bed cart for graphical representation only, the process is the same when installed on any other type of cart.

The Super Pusher G36 may look different from the graphical representations in this manual. However, mounting hardware and procedures are the same.



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N-III recommends mounting the throttle to the steerable side of the cart and placing the motor on the right hand side (when standing at the steerable end) with the wire on the motor facing into the middle of the cart.

When placed in this configuration, N-III has ensured the motor will pull the cart forward when the throttle is pushed in the "forward" direction. Mounting the motor in a different location may cause the motor to run in reverse, this could cause damage or injury.

N-III Recommends not deviating from this Installation Instruction Manual. Doing so may void the warranty and cause damage or injury. If you have questions about your installation, contact your sales representative PRIOR to conducting installation.

Your Super Pusher G36 Comes with the Battery Box assembled to the cantilever arm, and the motor bracket bolted to the cantilever arm, for shipping stability. It will be necessary to remove the motor and battery box from the assembly and separate the motor bracket from the cantilever arm to make installation possible.

Motor Bracket/Motor/Battery Box Mount

Note: The motor must be mounted on the same side as the other fixed caster. N-III recommends the motor and fixed caster be mounted opposite the side where the operator will steer.

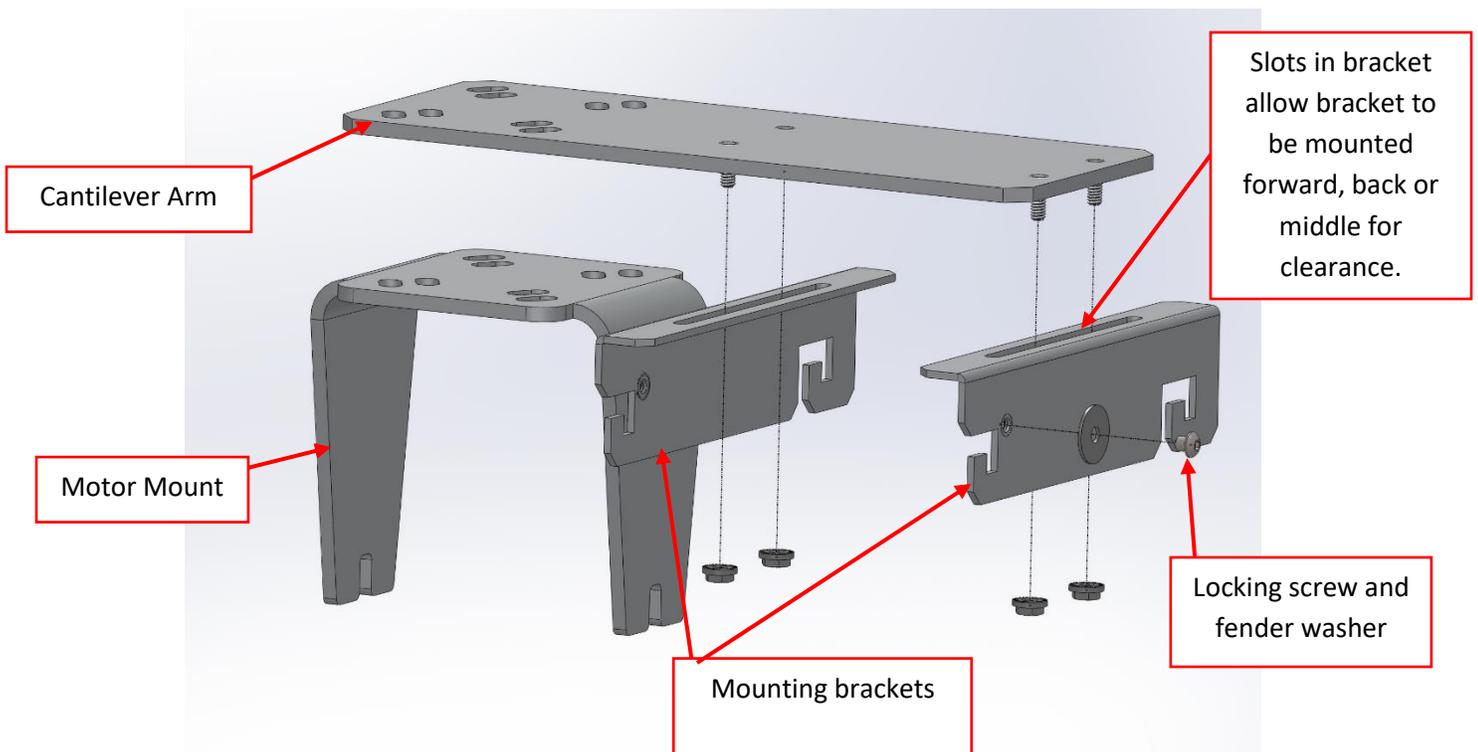
Step 1

Remove old caster from the right side of the cart (when viewed from where the operator will stand during operation).



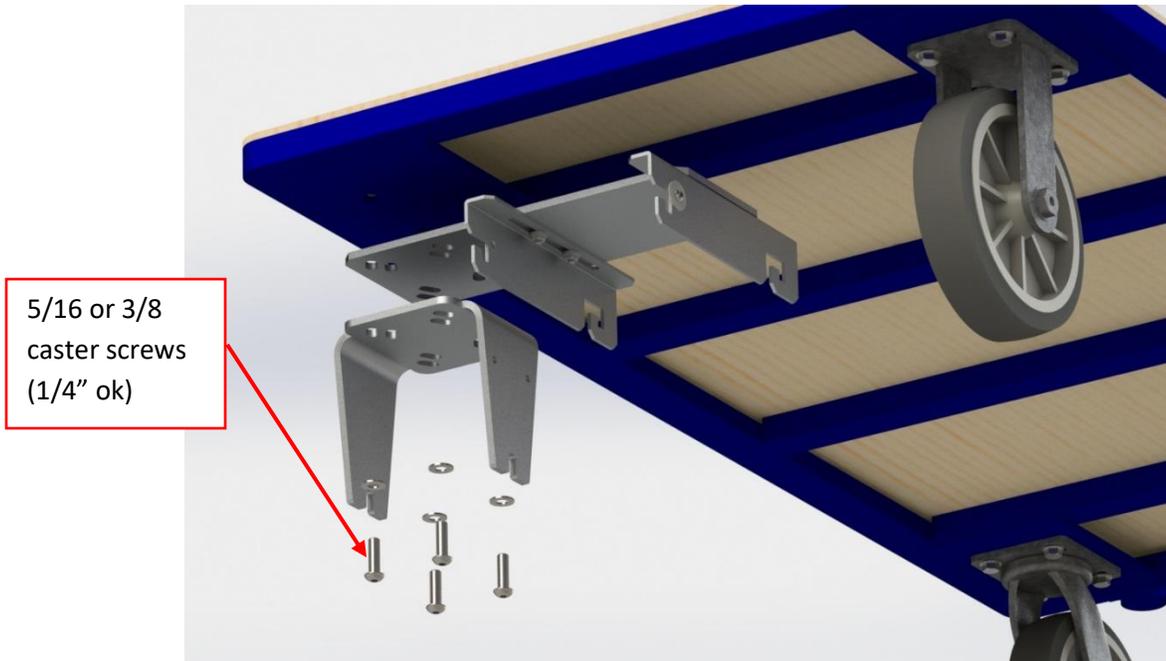
Step 2

Assemble the mounting bracket to the cantilever arm, your kit may have these assembled already.

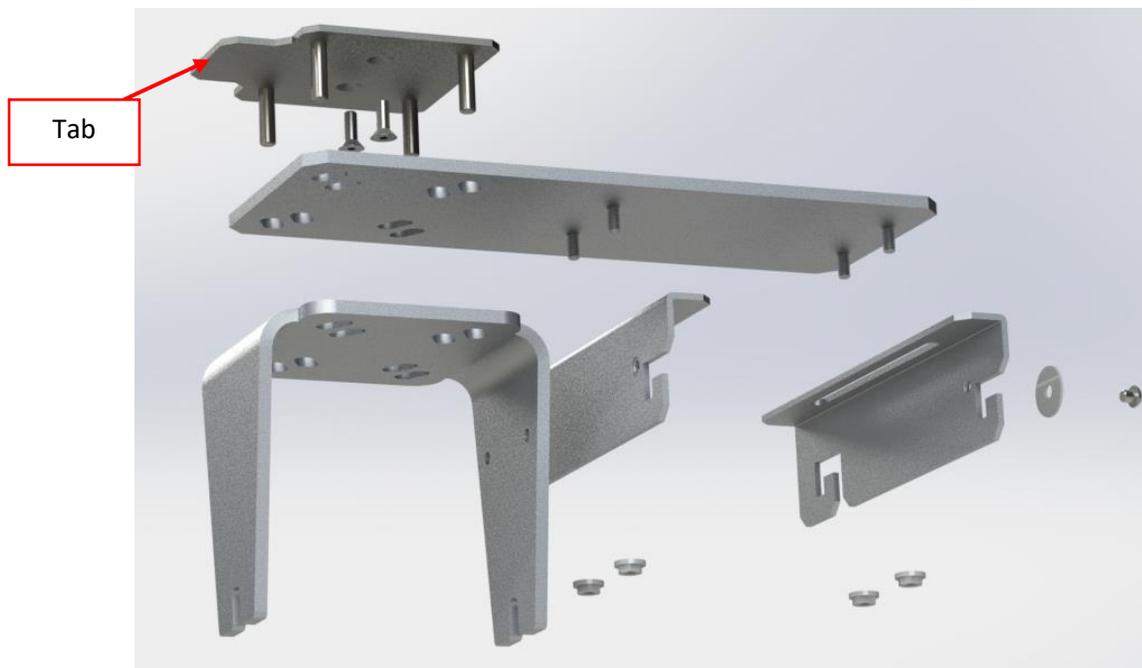


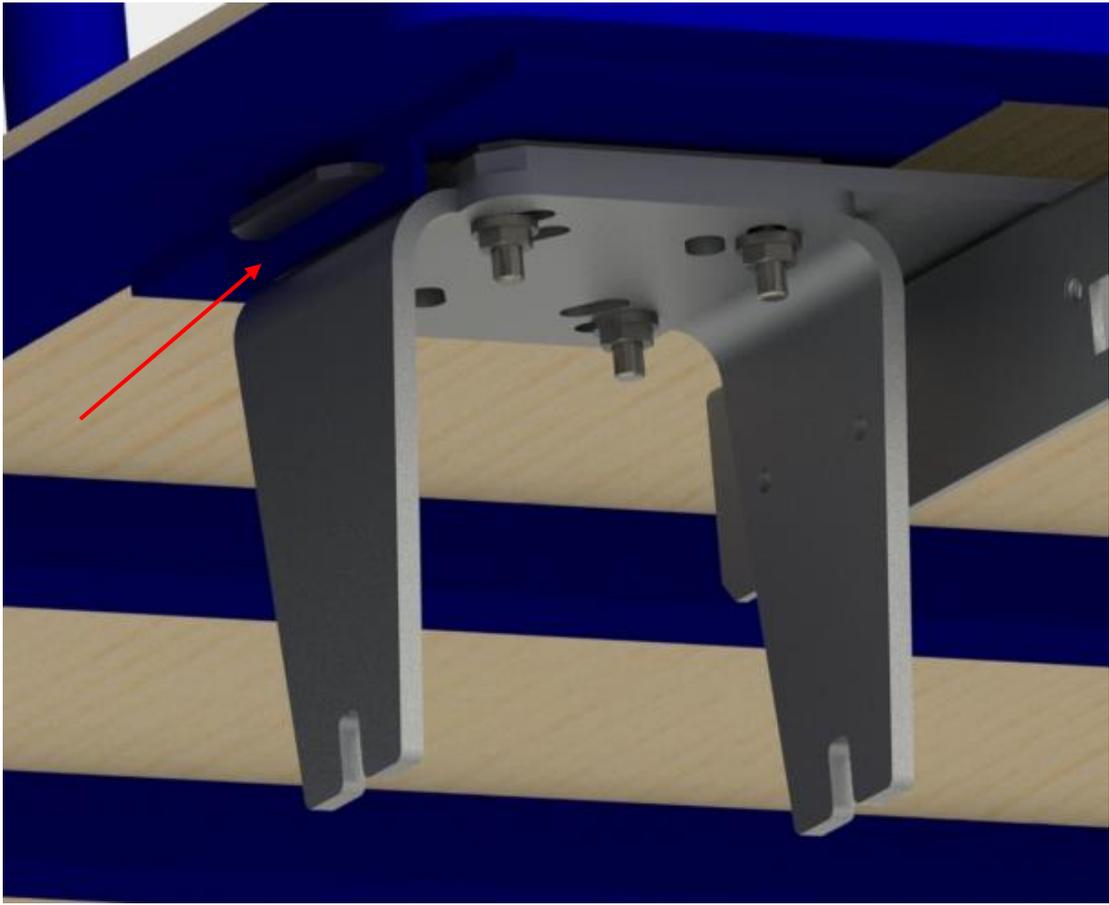
Step 3

Mount the motor bracket to the existing holes using hardware provided, sandwiching the cantilever arm between the bottom of the cart and the motor bracket. Note the orientation of the cantilever arm in relation to the cart. Use the 5/16" drill bit to drill out the holes to 5/16" in the cart, if required, or drill new holes if required. Using the wheel bracket as a template is acceptable. The system can also be installed with 3/8" holes and screws (not included)



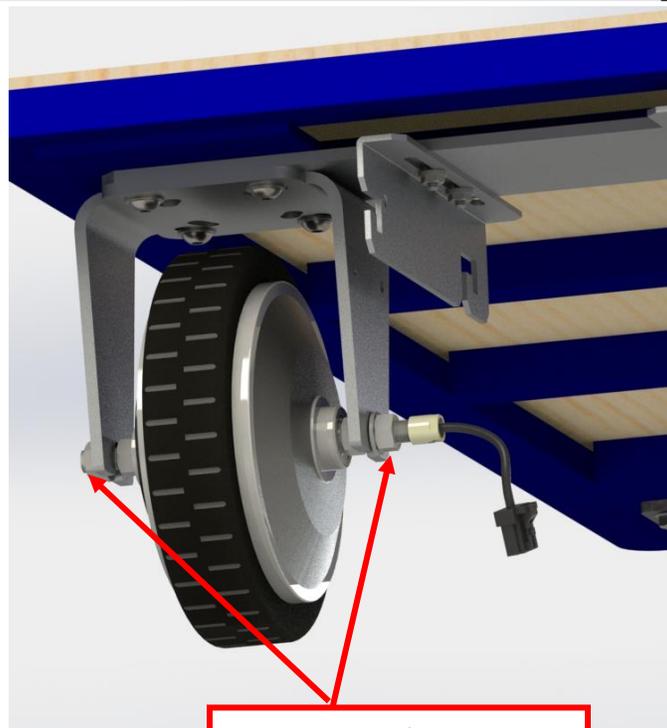
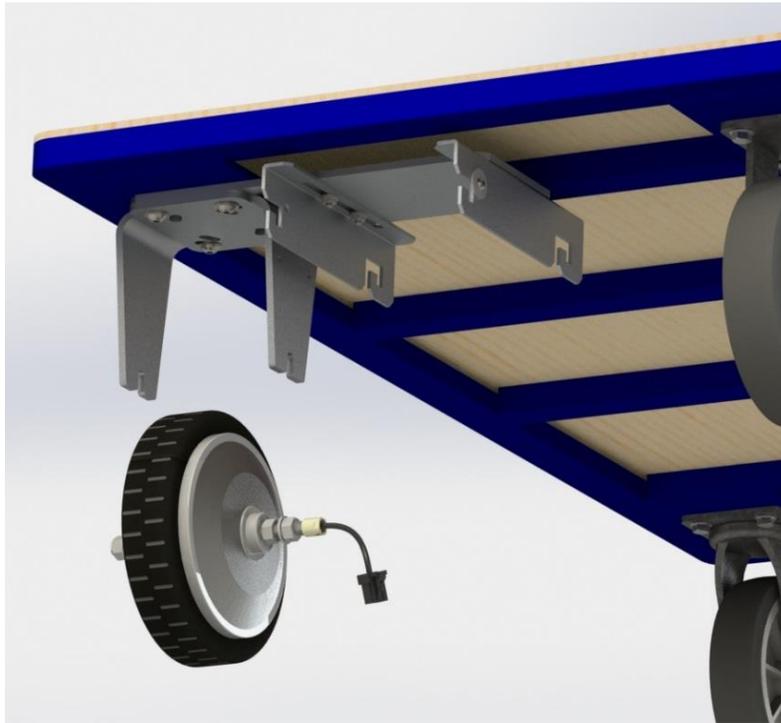
Some direct caster installations require an adapter plate for direct caster replacement. Insert tab of adapter plate into slot and secure with two taper head screws as shown. Then mount the cantilever arm and motor mount to the studs on the adapter plate and secure with provided flange nuts.





Step 4

Mount the motor to the motor bracket, ensure the wire is towards the inside of the cart. On each side, straddle the motor bracket with the nuts as shown. Tighten both nuts, one on each side. Use two wrenches, one wrench for each nut on either side of the motor mount arm. This will prevent the motor from turning and ruining the flat on the lightweight aluminum motor bracket. Do this on each side of the motor. **⚠️ Your motor comes assembled to the bracket from the manufacturer, it is NOT torqued to spec. Ensure the motor is torqued prior to use (torque depicted below).**

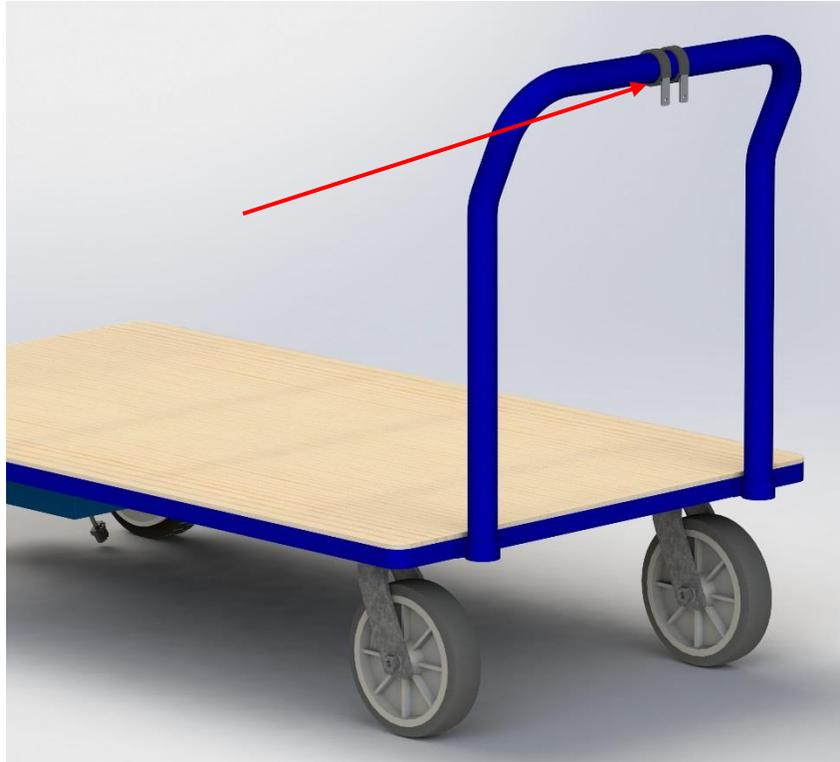


Tighten 80-90 ft-lbs torque

Throttle Box

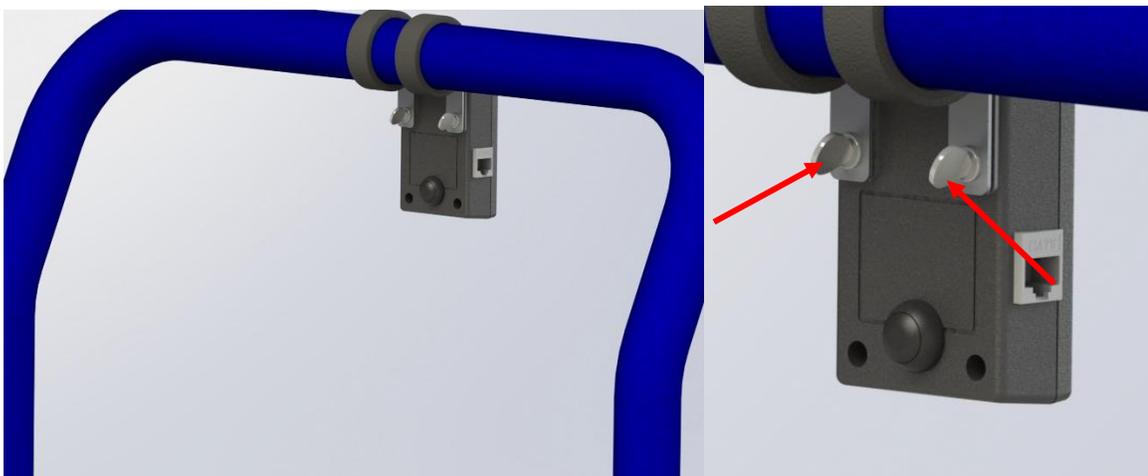
Step 1

Select a location on the handle bar where the throttle box is to be located and place the provided P-clamps over the bar.



Step 2

Using the provided thumb screws, mount the throttle box to the P-clamps. The throttle box can be mounted to a different type of handle configuration with drilled holes and screws. Screws are #10-32 spaced 1.5 inches apart.

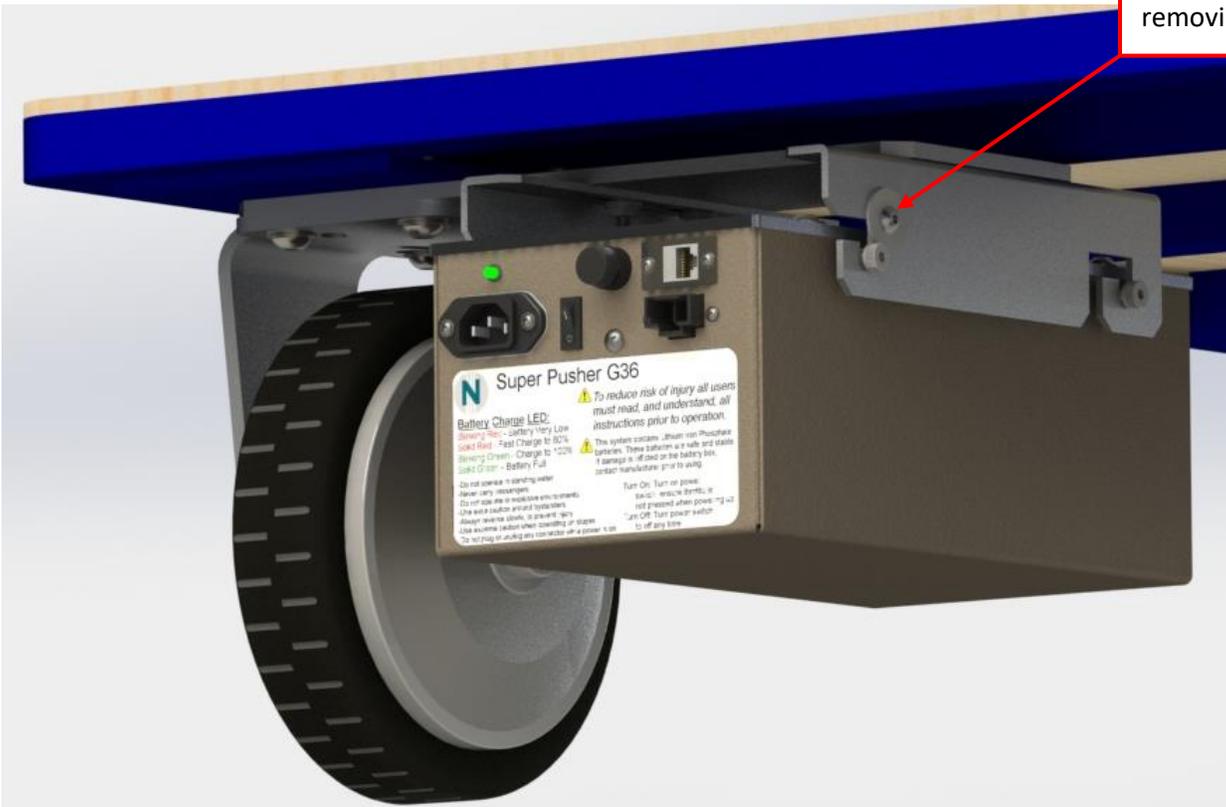


Mounting the Battery Box

Remove the locking screw before inserting the shoulder bolts on each side of the battery box into their corresponding “J” lock slots in the mounting brackets. After the battery box is seated into the “J” slots, reapply the locking screw to retain battery box.

Note: if the customer desires, the screw may be left off the assembly to allow for easier removal of the battery box.

Remove locking screw before mounting or removing battery box.



Connecting all the Pieces.

To complete the installation perform the following:

- Route the included CAT5 cable from the throttle box to the battery box.
 - Use the provided tie-wraps and sticky tie-wrap anchors to ensure the wire does not have any sections that are loose or dangling. Thoroughly clean the area for the tie wrap anchors.
 - Leave enough slack at the end of the wire to easily plug into the battery box but not drag on the ground if the battery box is removed from the rails.
- Plug in the motor to the battery box, the wire should be the right length with a little bit of slack.
- ⚠️ Ensure the power is off prior to inserting the fuse. Insert the fuse cap with fuse into the socket.
- Your cart should be ready to use. **Refer to Operators Manual prior to use.**

