

POWERED LIFTING HAND TRUCK STARTUP INSTRUCTIONS

Before beginning the startup process, inspect the conditioning of packaging for damage to the Powered Lifting Hand Truck. If damage is found, contact Magline Technical Assistance.

You should have received the following items with your order:

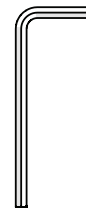
- Lifting column assembly
- Lifting nose
- Fixed nose plate
- Handle
- Hardware
- Accessories
- 3/16" Allen wrench

If you are missing any of these items, please contact your authorized Magliner dealer, or Magline Customer Service at (800) 624-5463.

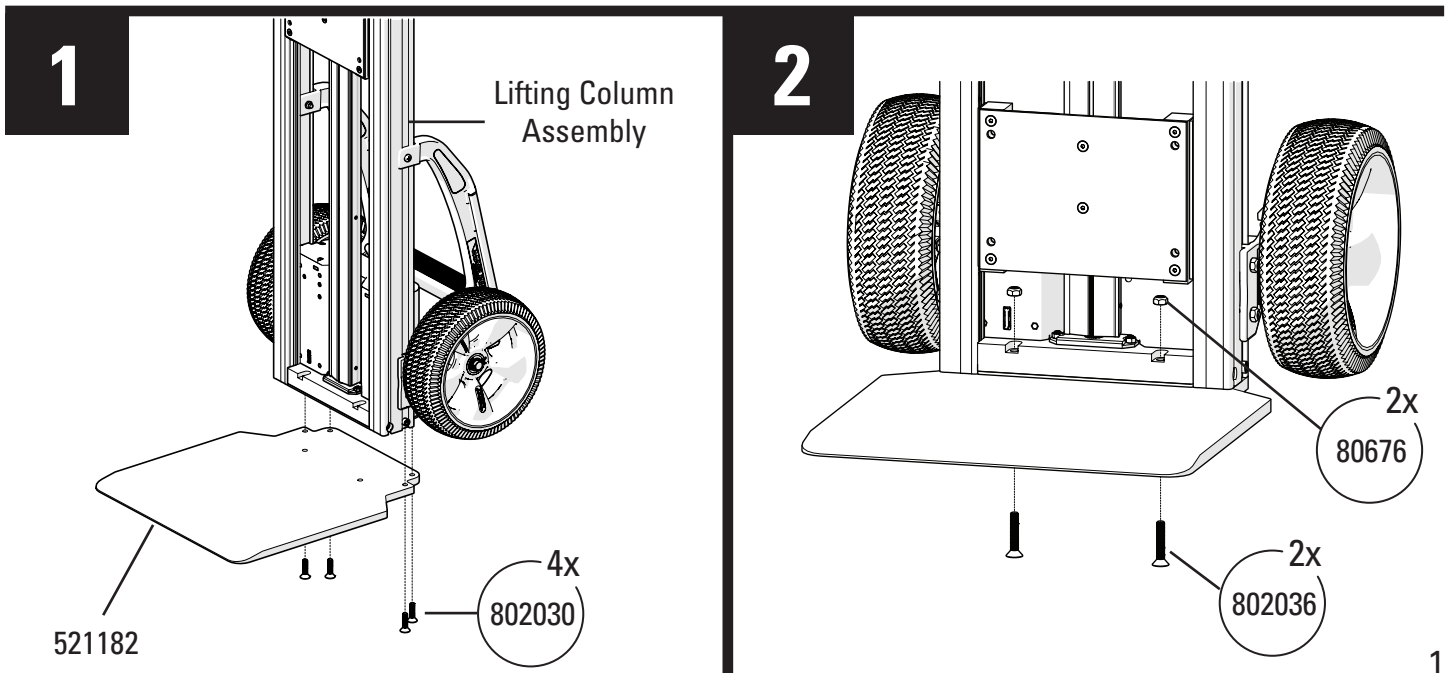
Product Assembly

Charge the battery for three hours before using it the first time. For more information on charging, please refer to the Owner's Manual.

Description	Qty.	Part No.
Fixed nose plate	1	521182
Flat head screw - 5/16"-18 x 1-1/4" long	4	802030
Flat head screw - 5/16"-18 x 1-3/4" long	2	802036
Hex lock nut - 5/16"-18	2	80676



3/16" Allen



Description	Qty.	Part No.
Handle	1	Varies
Pan head machine screw - 1/4"-20 x 1-1/2" long	4	80105
Hex lock nut - 1/4"-20	4	80675

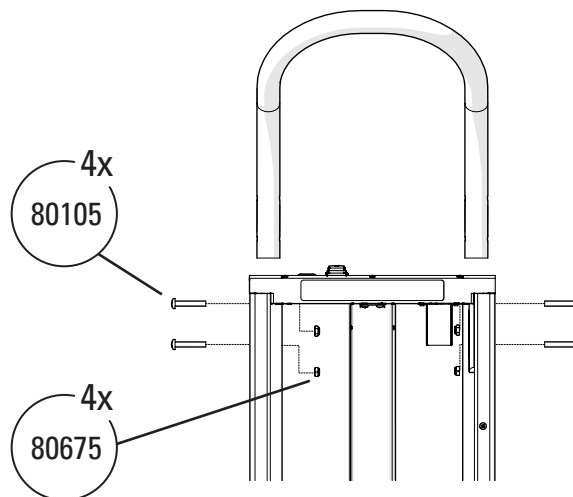


No. 3



7/16"

3



Before assembling the lifting nose to the lifting column assembly, it is important to perform a test of the lift system.

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Unloaded Lift System Test

NOTE: It is good practice to periodically perform lift system tests, especially if the Powered Lifting Hand Truck has not been used for a long period of time, or used by another operator.

Check these things **WITHOUT A LOAD**:

Check Power Control

- ON - Press and release the ON/OFF button. The battery charge indicator will light on the display.
- OFF - Press and hold the ON/OFF button until the display shows POWER OFF (about 4 seconds). Release the button and the display will go blank.

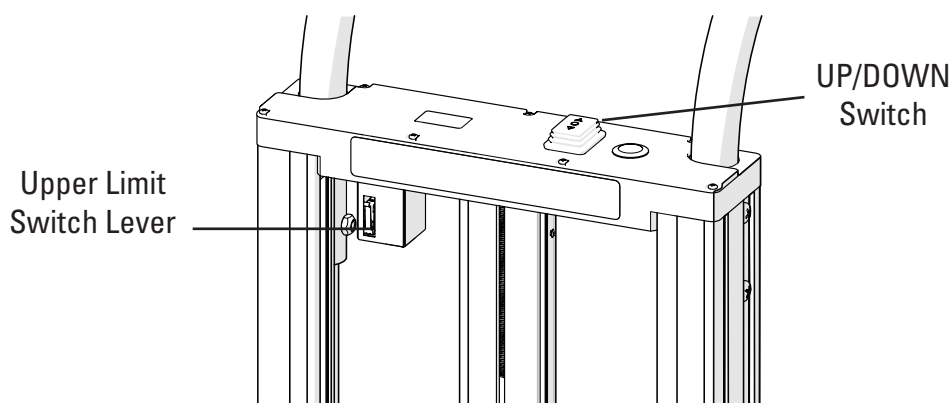
Check Speed Function

- Locate the UP/DOWN switch with the carriage at lowest location.
- Press the switch in the UP direction and observe carriage lifting. Observe the speed change after holding the button for 4 seconds. Then release the button to stop.
- Pressing UP again will restart the speed at the low speed setting. **DO NOT CONTINUE UP UNTIL LIMIT SWITCH CHECK (NEXT STEP).**

Up/Down Operation Check

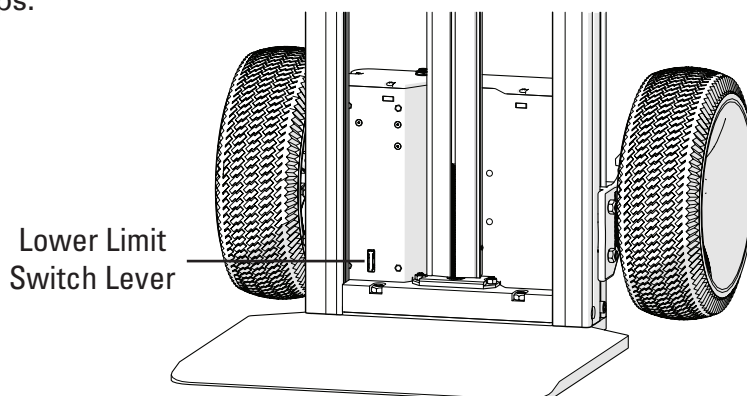
Up Operation

- Locate the upper switch below the top plate.
- Locate the lever (silver strip) and press lightly; you should hear a click.
- Locate the UP/DOWN switch and press and release in the up UP direction and observe the carriage lifting up.
- With the lift carriage sufficiently away from the upper switch (example: about the center of the machine). Press and hold the switch in the UP direction and depress the upper limit switch to stop movement. The display should show "LIM" when the limit switch is activated. **(If pressing the upper limit switch does not stop upward movement, call Magline.)**
- Remove your hand from the limit switch and run the carriage up until it contacts the limit switch and stops.



Down Operation

- Locate the lower limit switch at the lower left corner of the fixed nose plate (when viewing the machine from the front).
- Locate the lever (silver strip) and press lightly; you should hear a click.
- Locate the UP/DOWN switch and press and release in the DOWN direction and observe the carriage lowering.
- With the lift carriage sufficiently away from the lower switch (example: about the center of the machine), press and hold the switch in the down direction and depress the lower limit switch to make the movement stop. The display should show "LIM" when the limit switch is activated. **(If pressing the lower limit switch does not stop downward movement, call Magline.)**
- Remove your hand from the limit switch, and run the lift carriage down until it contacts the limit switch and stops.



Cycle Test

Cycle the lift carriage up and down to the limit switches to check performance and to become familiar with the speed change. Be sure to keep fingers away from the front of lift carriage while it is in motion.

Description	Qty.	Part No.
Lifting Nose Options	-	Varies
Truss head screw - 5/16"-18 x 1" long	4	802040
Bronze bearing - .3125" ID x .375" OD x .5" long	4	303186

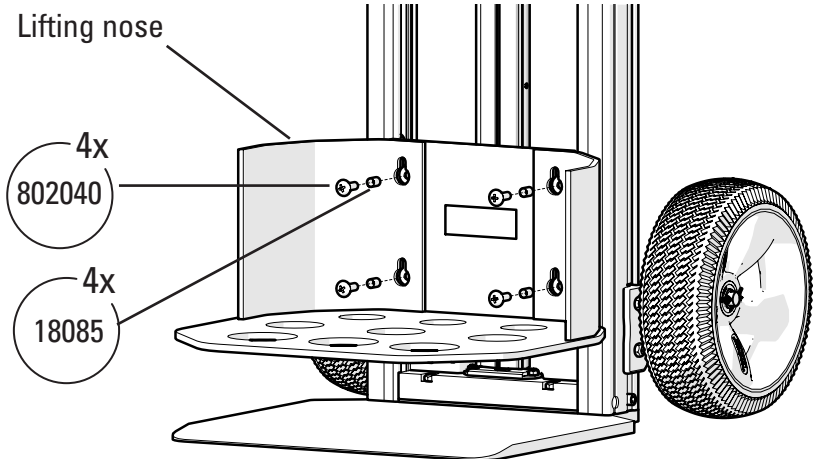


No. 3

Fasten the 802040 bolts into the lifting carriage, leaving a small gap between the bolt head and the lifting carriage.

Carefully slide the larger portion of slots on the lifting nose over the hardware and slide straight down so that the smaller portion of slots are snug around the bolts, and is trapped between the bolt heads and the lifting carriage. You may need to slightly loosen the bolts if the initial tightening did not allow enough space for the lift nose.

Make sure the lifting nose sits evenly on all four bolts and that the lifting nose surface is level. Then securely tighten the bolts to secure the lifting nose to the lifting carriage.



Repeat Cycle Test with a Load

NOTE: It is good practice to periodically perform lift system tests, especially if the Powered Lifting Hand Truck has not been used for a long period of time, or used by another operator.

The load should stop in the same spot. Place a load on the lifting nose and run the nose UP and DOWN to the limit switches, first contacting the limit switches in the low speed and then the high speed to become familiar with the operation.

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