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Lift 'N' Go
Model 210
Electric Carrier
Installation Guide & Owners Manual



CAUTION: Read and follow all installation instructions and operating instructions before the first use of this product.

Save this manual for future reference.

Introduction

Congratulations on your new *WheelChair Carrier* product purchase! The Lift ‘N’ Go Model 210 Electric Carrier is one of the easiest ways to transport your power chair or scooter. This manual has been written to be used as an installation guide as well as an operation guide for the end user.

Before installing, be sure to have the proper hitch installed on your vehicle. Consult the Hitch Manufacture for load ratings prior to operation of your lift. **Never** exceed the Hitch load rating set from the Hitch Manufacture. The Warrantee will be voided if the recommended tongue weight is exceeded. [Tongue weight: Weight of Lift + Weight of Scooter or Power Chair. See product weights below.]

Both installers and operators must read all of the available manuals thoroughly before attempting any installation, operation or maintenance of the Lift ‘N’ Go Model 210 Electric Carrier.

If you have any questions or comments concerning the installation operation of this carrier, please contact your local dealer or Wheelchair Carrier for additional technical information.



Caution: Be sure that the wheelchair or scooter meets the size constraints set for this product. **Never exceed the 350lb capacity of the carrier.**

Unpacking the Carrier

Detailed below is the inventory of parts included with your carrier. If any parts are missing or if any shipping damage is noted, immediately contact your dealer or WheelChair Carrier if purchased direct. **DO NOT** attempt to install or use the lift with any missing or damaged parts.

The Model 210 Electric Carrier Box Contents:

- (1) Platform
- (1) Power Post
- (1) Motor
- (1) Pull Handle
- (1) Hand Crank
- (1) Hinge Pin
- (1) Hitch Adapter Class II OR Class III [with hardware]
- (1) Green Ground Wire
- (1) 5/16-18 X 5/8 Hex Bolt
- (1) 5/16 Lock Washer
- (2) 3/16” X 1-1/2” Roll Pins
- (3) Ratchet Tie Down Straps
- (3) Black Wire Ties
- (1) 1-3/4” Cap Plug
- (2) 1-1/4” Cap Plugs

Model 210 Weight:

Post & Platform—120lbs.

Optional Swing Away—45lbs.

Installation Instructions



Important!!

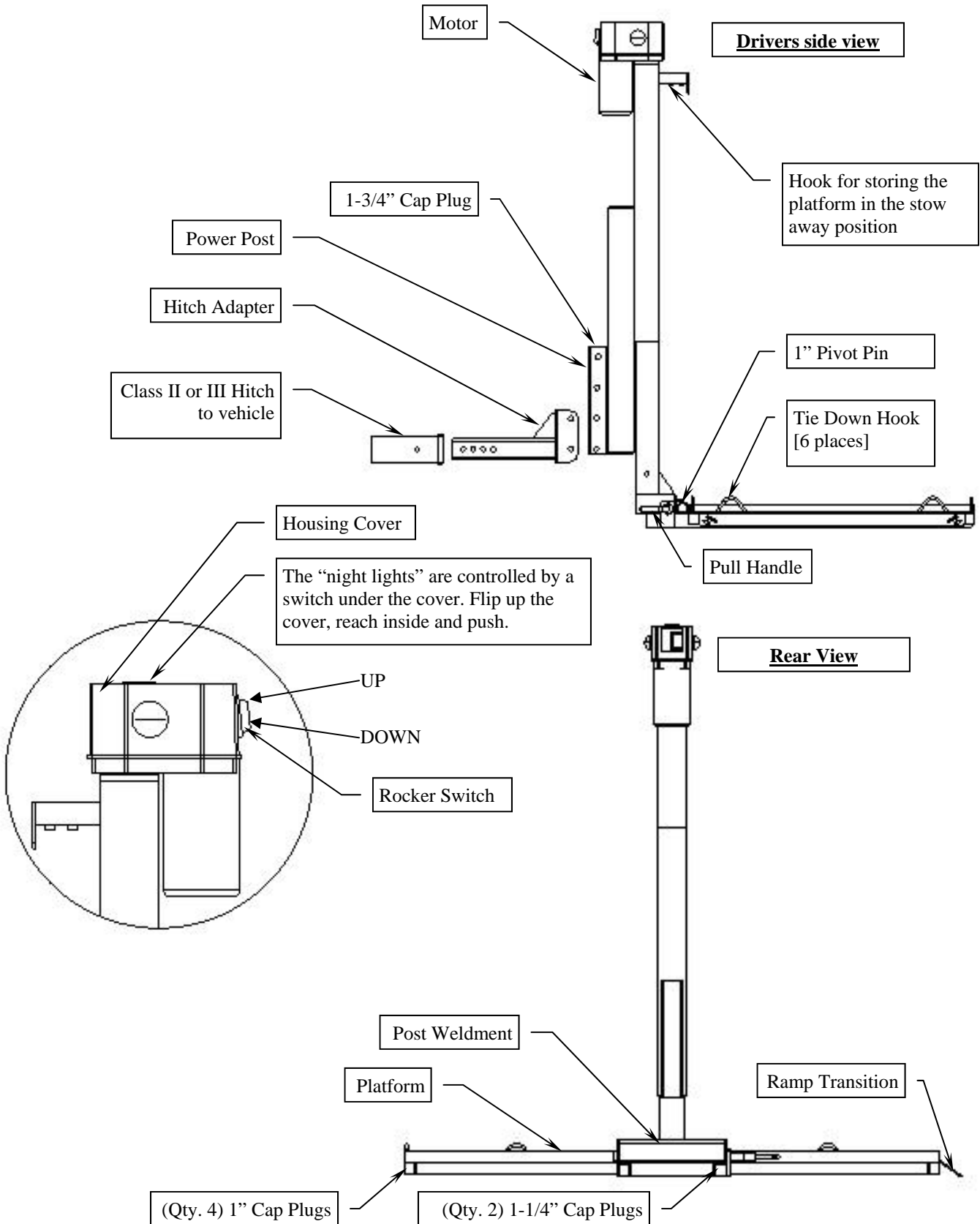
Please refer to the Lift 'N' Go Model 210 Diagram while following instructions.

A Class II [1-1/4"] or Class III [2"] hitch is needed in order to install the Model 210. Depending on your vehicle it may be necessary to install an upgraded suspension.

Mounting

- 1.) Mount the Hitch Adapter to the Power Post and secure in place using (2) 1/2-13 X 3 1/2" Bolts and Nuts. Choose the two holes that allow optimum working height of carrier. [12" to 15" from ground to bottom of platform]
- 2.) Insert the Hitch Adaptor into a Class II (1-1/4") or Class III (2") Hitch on your vehicle.
- 3.) Choose one of the holes provided in the Hitch Adapter and secure in place using (1) 1/2- 13 X 3 1/2" Hex Bolt, Spacer and Nut. *Choose the hole that will allow the unit to be mounted closest to your vehicle.
- 4.) Connect the Black Lead-Wire directly to the positive (+) lead of the battery using a ten (10) gauge wire. Rout the wire down through the engine compartment and to the rear of the vehicle. If a ground wire is required, then it is recommended to rout the ground wire at the same time. **Avoid moving part such as carburetor linkages, steering parts, fans, belts, and pulleys. Also avoid hot part such as exhaust manifolds and pipes.** (Use tie straps to secure the wire.) Attention to detail will keep the wires safe from cuts and scrapes and from interfering with the vehicle operations. Be sure that all connections are secure. An in line 30 Amp fuse is included on the black power wire from the motor.
- 5.) Grounding—(Option Only): [Note: The carrier has a self grounded motor.] Remove the Set Screw from the Motor, located next to the Lead-Wire. Replace the Set Screw with the 5/16-18 Bolt and Lock Washer while attaching the Green Ground Wire included [Do NOT Over Tighten]. The Optional Ground Wire included may be used if the vehicle's ground is not continuous through the hitch and carrier, which would prevent a completed circuit. Please consult your dealer or certified technician for wiring suggestions. Unfortunately WheelChair Carrier can not evaluate every vehicles condition, therefore WheelChair Carrier is not responsible for faulty connections.
- 6.) Lower the unit down until the Post Weldment aligns with the platform.
- 7.) Mount the Platform to Post Weldment using the 1" pivot pin and (2) 3/16 X 1-1/2" roll pins.

Lift 'N' Go Model 210 Diagram



Operation Instructions

Remember to keep hands and feet away from moving parts during operation.

When the Motor reaches the end of its travel a built in torque limiter goes into operation with a clicking noise. This torque limiter permits the final drive gear to slip and thus protects the unit. **Prolonged operation of the torque limiter is NOT recommended.**

If an electrical failure should ever occur the crank handle may be inserted into the post and the power post can be raised or lowered manually.



WARNING Crank Handle: Do not push Rocker Switch with crank handle in place. This will cause serious injury.

- 1.) Use the Rocker Switch on motor to raise and lower platform. (Switch for carrier lights is under black cap on motor.) See Lift 'N' Go Model 210 Diagram.
- 2.) Secure chair to platform using the three ratchet straps provided. See Securing the Chair instructions below.

NOTE: Periodically check and tighten all handles, bolts, roll pins, and screws. Oil all moving parts on a regular basis.

Securing the Chair to the Carrier

- 1.) To operate ratchet straps: insert loose end of strap into groove in roller part of ratchet buckle. Then ratchet it down using handle on buckle. To release ratchet strap: pull spring loaded lock in ratchet handle and open buckle until it is locked in open position. Strap will then come loose.
- 2.) Hook one strap into front loop on platform. Wrap strap around tiller post of the scooter (or any accessible part of the power wheelchair frame.) Then hook the other end of the strap into the same loop. Tighten down strap securely.
- 3.) The second strap is hooked onto the first set of side loops. Hook one end of the strap into the loop, across the floorboard of the scooter (or around the front wheel posts of a power wheelchair), and then hook the other end into the opposite loop. Tighten the strap down.
- 4.) Hook one end of the third strap into the loop. Wrap the strap around the seat post of the scooter (or through and around the rear wheels of the power wheelchair), and hook the other end into the opposite loop. Tighten strap down.



CAUTION: Do not over-tighten straps or damage to chair could result. Do not attempt to modify your carrier in any way. **This will void your warranty.**

Storing the Carrier

- When not in use, the Platform can be put in the stow away position by pulling and rotating the Pull Handle. The Platform can then be lifted up. Then the Platform can be locked into position by raising it until it is locked into the Hook. When lowering the platform back down, be sure the Pull Handle is pulled out to avoid bending or breaking the Pull Handle.

Safety

CAUTION: Do not operate our carriers without being satisfactorily instructed in the proper operation of carrier by the dealer or without reading operation manual thoroughly.

- Our wheelchair carriers have been designed and engineered for years of trouble free performance. Although with everyday use some parts may become loose or worn. Regularly inspect your carrier for any worn, loose, or damaged parts. If you find anything upon inspection, **DO NOT USE THE CARRIER!** Contact your local dealer or WheelChair Carrier for any repairs that need to be made. **Failure to act may cause severe injury!**
- Our wheelchair carrier should only be used for the loading and unloading of wheelchairs for which it is designed. **DO NOT** add or modify any part of the carrier system without first contacting the manufacturer of the carrier. Any modifications may void any warranties as well as compromise the structural integrity of the carrier.

Maintenance

Our wheelchair carriers have been designed to be as trouble free as possible for the owner. As with any mechanical device however, maintenance should be performed regularly while owning and operating our carriers.

- WheelChair Carrier recommends that dealers schedule a preventative maintenance inspection at least once a year on the carrier frame and all moving parts of the carrier.
- Regularly check and tighten all nuts and bolts on the carrier.
- Regularly check for paint chips and touch up any bare metal with a good gloss black enamel or lacquer to inhibit rust.
- Once a year, the motor should be removed and a liberal amount of grease (preferable a grease with a high melting point) applied directly to the coupling on which the drive pin rests. **DO NOT POUR OIL** into the top of the motor.
- Once a year, the housing cover should be removed and the gears inspected for proper lubrication. Remove 4 screws and tap around edges of housing to free cover—**DO NOT** insert screwdriver blade— this may damage mating surfaces. Before replacing cover, clean mating surfaces. If lubrication is needed, use Lithium based gear grease.



1 Year Limited Warranty

Every effort has been made to insure high quality in material and workmanship of our products. Manufacturer warrants all products to be free of defects in material and/or workmanship for one (1) year from date of original purchase. **EXCEPTIONS:** All custom orders have a 90-day warranty.

CARRIERS: All carriers are warranted to be free of defects in material and/or workmanship for one (1) year from date of original purchase when used in accordance with manufacturer installation and operating instructions. This warranty **does not cover damage due to abuse, misuse, accident, or use of unauthorized attachments or modifications.** Protective finish coating on carriers is **not** guaranteed inasmuch as the manufacturer is not responsible for the use (abuse or natural wear and tear) of the product. The manufacturer and/or selling agents of carriers will not be responsible in any way for damage to, or loss of, item(s) being carried or falling from carriers or damages said item (s) may cause on or off carriers.

TRANSPORT COVERS: Transport covers are guaranteed free of defects in material or workmanship at purchase. Covers are not guaranteed against rips, holes, or damage due to improper installation, abuse, misuse, alteration, or environmental factors beyond our control.

Return Policy

All returns must be made within 30 days from the date of purchase unless due to defect. Written authorization must be obtained from Wheelchair Carrier, Inc. prior to the return of any merchandise for any reason, and all transportation costs must be prepaid. **NO RETURNS** on custom orders. Authorized returns for credit only are subject to a 25% restocking charge, plus any cost incurred in restoring the merchandise to a resalable condition. Freight charges cannot be credited.

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