



Industrial Products, Inc.

# StairKing Power Appliance Truck Operating Instructions and Parts Manual

ATTENTION: TO INSURE SAFE AND EASY USE OF YOUR WESCO STAIRKING TRUCK, READ THESE INSTRUCTIONS & VIEW THE INSTRUCTIONAL VIDEO SHIPPED WITH THE UNIT BEFORE USING.

This product is distributed by:

**Wesco Industrial Products, Inc**

1250 Welsh Road

North Wales, PA 19454

Tel: 215-699-7031 Fax: 215-699-3836

Contact the factory for parts information and ordering.

Visit us on the web at [www.wescomfg.com](http://www.wescomfg.com)

## Unpacking

When unpacking the Wesco Product, check carefully for shipping damage and missing parts. If damage has occurred or any parts are missing, file a claim with the delivering carrier within 24 hours and notify the dealer from whom the unit was purchased.

## Start-up

With the appliance truck in the upright position, proceed with the following:

- (1) Run truck with no load to be sure the gear motor is operating and driving the lift roller chains.
- (2) Do not use appliance truck if it appears to be damaged or defective in anyway.

## Warranty Repairs

If the unit does not work properly, contact your dealer or the factory (215-699-7031) for units less than one year old.

## Non-Warranty Service

If units are older than one year, repairs can be made easily on site with factory supplied parts.

**NOTE:** Do not send units to the factory for service without first obtaining a "Return Merchandise Authorization" (RMA) number from the customer service department. We will not be responsible for merchandise returned without proper authorization.

## General Safety Information

The Wesco StairKing Power Appliance Truck is designed for a wide range of functions. To insure proper use, the following instructions must be adhered to:

## General Safety Information (cont'd)

- (1) BEFORE OPERATING TRUCK VIEW THE TRAINING VIDEO AND PRACTICE GOING UP AND DOWN STEPS WITHOUT A LOAD. A TRAINING VIDEO IS SHIPPED WITH EACH UNIT
- (2) Do Not allow personnel other than the operator on the stairway or below the appliance truck while in operation.
- (3) Do Not allow inexperienced personnel to operate the appliance truck.
- (4) Do Not exceed rated maximum capacity of 850 lbs.
- (5) Additional personnel may be required to assist in balancing heavy load. Once load is balanced, do not allow additional personnel on the stairway or below the appliance truck while in operation.
- (6) Charger (P/N 109311) is especially designed for use with Wesco Battery (109307)

## Operation Instructions

### Moving A Load Up Stairs:

- (1) Position load in center of hand truck. When in position, secure the load using belt.
- (2) Place hand truck with load in place against the edge of the stair tread with **BOTH** guide belts against the edge of the step.
- (3) Standing on the first step, pull the truck so the stair glides rest against the step. Pull the load back towards you. When balanced push the switch to the "UP" position. The lifting rollers will rotate around and contact the stair tread, lifting the truck wheels up and over the step.

**NOTE:** A change in the center of gravity will occur when the load shifts from the truck wheels to the lifting rollers. Keeping the weight slightly toward the operator will compensate for the change in center of gravity. The handtruck will do the lifting; the operator must balance the load.

- (4) Repeat this process for each step climbed.

### Moving A Load Down Stairs:

- (1) Position truck wheels about 2 inches away from the leading edge of the stair.
- (2) Push the switch to "DOWN" position, the lifting rollers will lift the truck wheels up and over the edge and start down the stairs. The operator must keep the load balanced.
- (3) Repeat this process for each step climbed.

## LIMITED WARRANTY

WESCO INDUSTRIAL PRODUCTS (WESCO) warrants to the purchaser of this product for a period of ninety (90) days from the date of purchase that this product shall be free of defects in material and/or workmanship, as follows:

1. WESCO will supply, at no charge, new or rebuilt replacements for any part that fails through a defect in material and/or workmanship during the warranty period. To obtain warranty service, you must deliver the product prepaid, to the WESCO factory.

2. This warranty does not cover any product or product part which has been subject to accident, misuse, abuse or negligence. WESCO shall only be liable under this warranty if the product is used the manner intended by the manufacturer as specified in the written instructions furnished with this product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. ANY EXPRESS WARRANTY NOT PROVIDED IN THIS WARRANTY DOCUMENT, AND ANY REMEDY FOR BREACH OF CONTRACT THAT, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. UNDER NO CIRCUMSTANCES SHALL WESCO BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, EXPRESS OR IMPLIED, A BREACH OF CONTRACT OR OTHERWISE. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long any implied warranty lasts, so the above limitations 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.

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### Maintenance

**WARNING:** Battery should be recharged on a regular basis. Repeated total discharge of battery can result in battery failure.

**NOTE:** If battery voltage is allowed to fall below one (1) volt the charger will not automatically charge the battery.

For a battery with a starting voltage under 1 volt, a "manual" charger must be used to pre-charge the battery for five minutes to get additional voltage into the battery.

#### Battery:

- (1) Check charge level with voltmeter or charger.
- (2) Check for corroded and loose terminals.
- (3) Visually inspect for any cracks or damage to battery casing.
- (4) Check for loose battery tie-down.
- (5) Always fully charge the battery after each use.
- (6) **NEVER** deeply discharge the battery, this will shorten the life of the battery and will prevent the charger from recharging the battery
- (7) **NEVER** drain the battery all the way before re-charging.
- (8) **NEVER** operate the StairKing with a deeply discharged or worn out battery.

#### Drive Assembly (Smaller Single Chains):

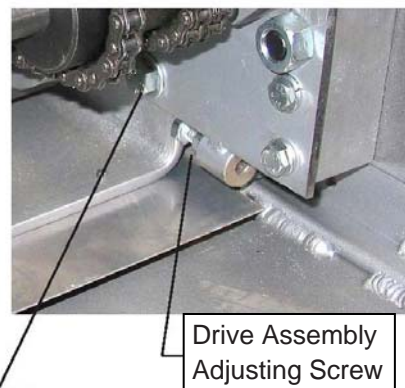
- (1) Lubricate drive chains with a rust inhibitor; this will extend the life of the chains.
- (2) Remove front panel, check chain tension, chain should be tight. To tighten the drive chains, first loosen the jam nuts (see figure 1). Turn the drive assembly adjustment screws, located on bottom of the motor mounting plate. Chains should be tightened evenly. Re-tighten jam nuts.

#### Lift Assembly (Larger Double Chains):

- (1) Lubricate drive chains with a rust inhibitor; this will extend the life of the chains.
- (2) Always make sure lift chains are firm. To tighten the lifting chains, first loosen the locking bolts (see figure 2) holding slide bearing plates. Turn the vertical adjustment bolts located at the bottom of the side plate to adjust the tension on the chains. Chains should be tightened evenly. Retighten the locking bolts.

#### Battery Charging:

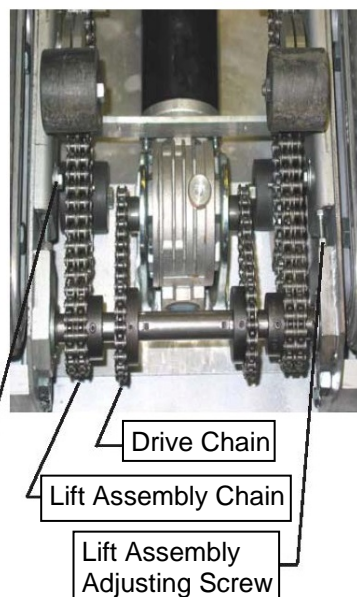
- (1) Connect the red battery charger clamp to the positive (+) post of battery, then the black battery charger clamp to the negative (-) post of battery.
- (2) Plug in the charger to a grounded AC wall outlet (110V) outlet, the power light will illuminate on the charger.
- (3) Press the mode button until the 12V "NORM" Indicator Light is illuminated. This will initiate charging the battery. The status lights will show the progress of the battery charge. Once the 100% Charged Indicator Light stays illuminated (see figure 3), the battery is done charging.



Motor Mounting Plate Bolt  
(2) Per Side

Drive Assembly  
Adjusting Screw

Figure 1



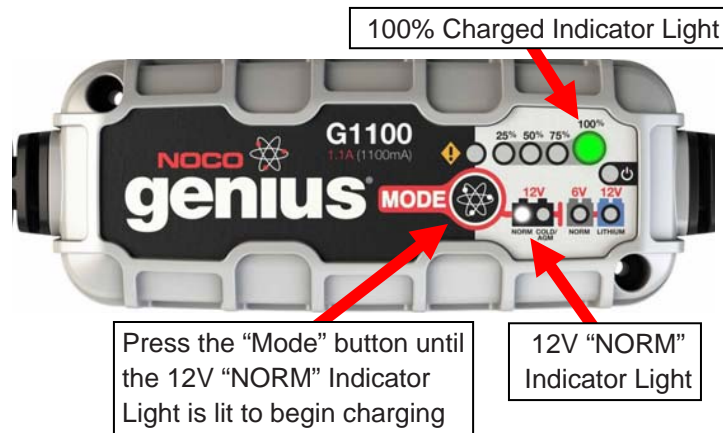
Locking Bolt  
(2) Per Side

Drive Chain

Lift Assembly Chain

Lift Assembly  
Adjusting Screw

Figure 2



100% Charged Indicator Light

Press the "Mode" button until  
the 12V "NORM" Indicator  
Light is lit to begin charging

12V "NORM"  
Indicator Light

Figure 3



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## Troubleshooting

Problem	Check	Service Required
StairKing does not operate. (Motor does not run)	Battery Charge	Charge battery.
	Loose ground wire	Tighten.
	Battery terminals and cables	Clean if corroded (white powder). Tighten terminal screws.
	Circuit breaker	Check by bypassing breaker, replace if necessary.
	Motor brushes	Check for wear, if excess wear replace.
	Bad switch causing resistance	Replace switch.
StairKing does not operate. (Motor runs)	Drive chains	Tighten drive chains. See "Maintenance".
StairKing runs slow.	Battery Charge	Check battery condition with voltmeter, should read 12 volts under load.
	Charger	Check output of charger while battery is connected, should read 13-14 volts.
	Bad switch causing resistance.	Replace switch.
Battery is connected and the charger is on, but is not charging.	Ring terminals are not making a good connection to the battery.	Check for poor connection to battery and frame. Make sure connection points are clean.
	Connections are reversed.	Unplug the charger and reverse the battery connections.
	Battery is defective (will not accept a charge).	Have battery checked.
	Severely discharged battery, but otherwise it is a good battery.	The battery must measure at least 1 volt to start the charging process. If it is under 1 volt, you must charge it using a separate charger to get the voltage up to at least 1 volt before you can use the charger





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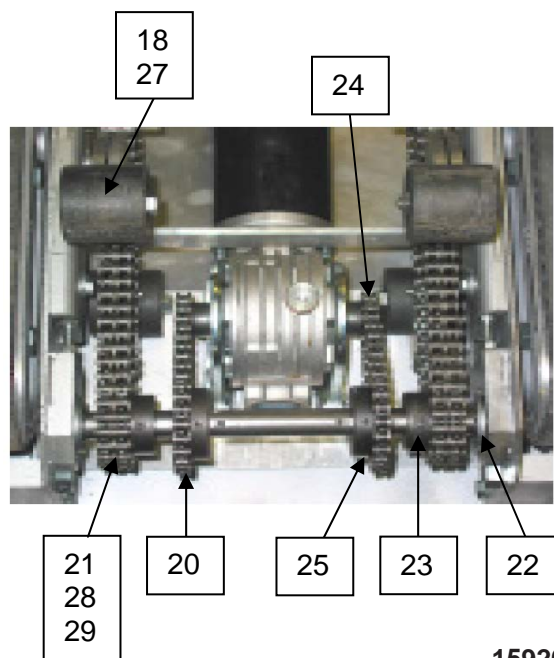
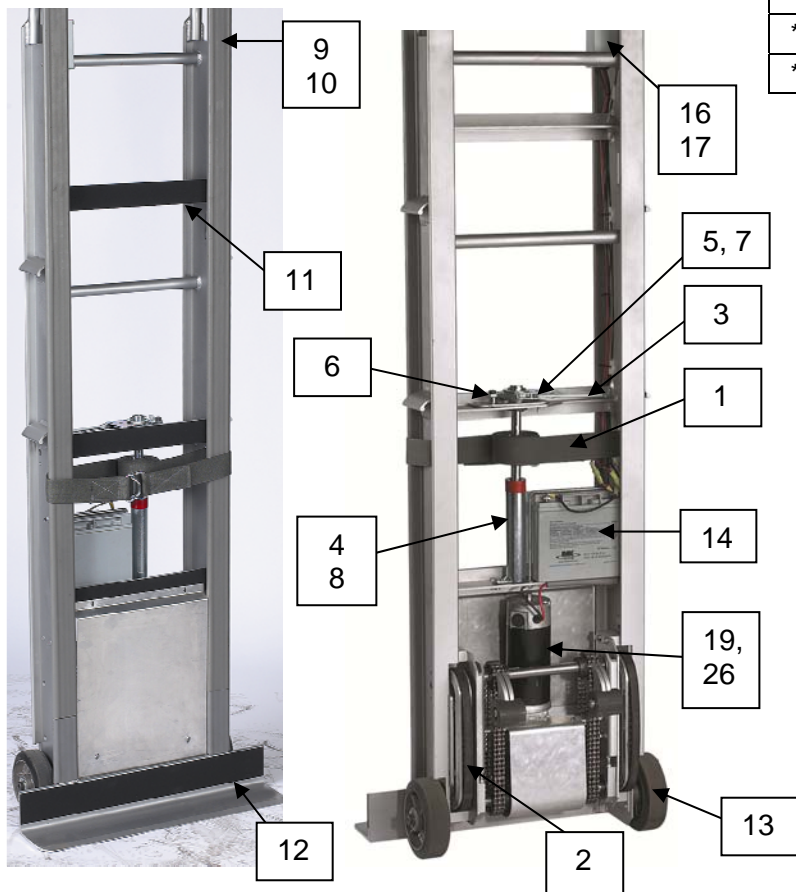
## Basic Truck Spare Parts

Item	Part No.	Description	Quantity
1	053120	Belt with Front Clasp	1
2	150013	Assembly: Stairclimber	2
3	108227	Handgrip	2
4	053327	Ratchet: Auto Rewind Unit	1
5	052001	Handle Assembly: Ratchet	1
6	230050	Holding Dog Assembly	1
7	151250	Spring: Handle	1
8	150921	Spring: Auto Rewind	1
9	108540	Rubber: Channel 66"	2
10	109323	Rubber: Channel 72"	2
11	109058	Rubber: Crossbrace	3
12	109688	Rubber: Noseplate	1
13	050567	Wheel	2
14	109307	Battery	1
*15	055246	Charger	1

## Power Unit Spare Parts

Item	Part No.	Description	Quantity
16	109324	Circuit Breaker	1
17	109306	Switch	1
18	053095	Kit: Lift Pad	4
19	109070	Gearmotor	1
20	051817	Kit: Drive Chain	2
21	051818	Kit: Lift Roller Chain	2
22	109312	Bearing	4
23	050623	Sprocket: #35-2, 17 Teeth	4
24	050624	Sprocket #35, 10 Teeth	2
25	050625	Sprocket #35, 20 Teeth	2
26	270399	Brush: Motor (Pair)	1
27	055618	Lift Pad to Chain Link	4
28	230061	Kit: Lift Chain Assembly consists of #23 and #29.	2
29	230064	Kit: Lift Chain Link	2
*30	050542	Battery Clamp	1
*31	109127	PVC Tube 5/16" ID	.625 ft
*32	108824	Nut: Wing, Locking ¼-20	1
*33	108164	Flat Washer (PLTD) #10 USS	1
*34	050564	Guard: Panel, Rear	1
*35	050565	Guard: Panel, Front	1

\* Items not shown in Figures Below



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