

KEEP FOR FUTURE REFERENCE

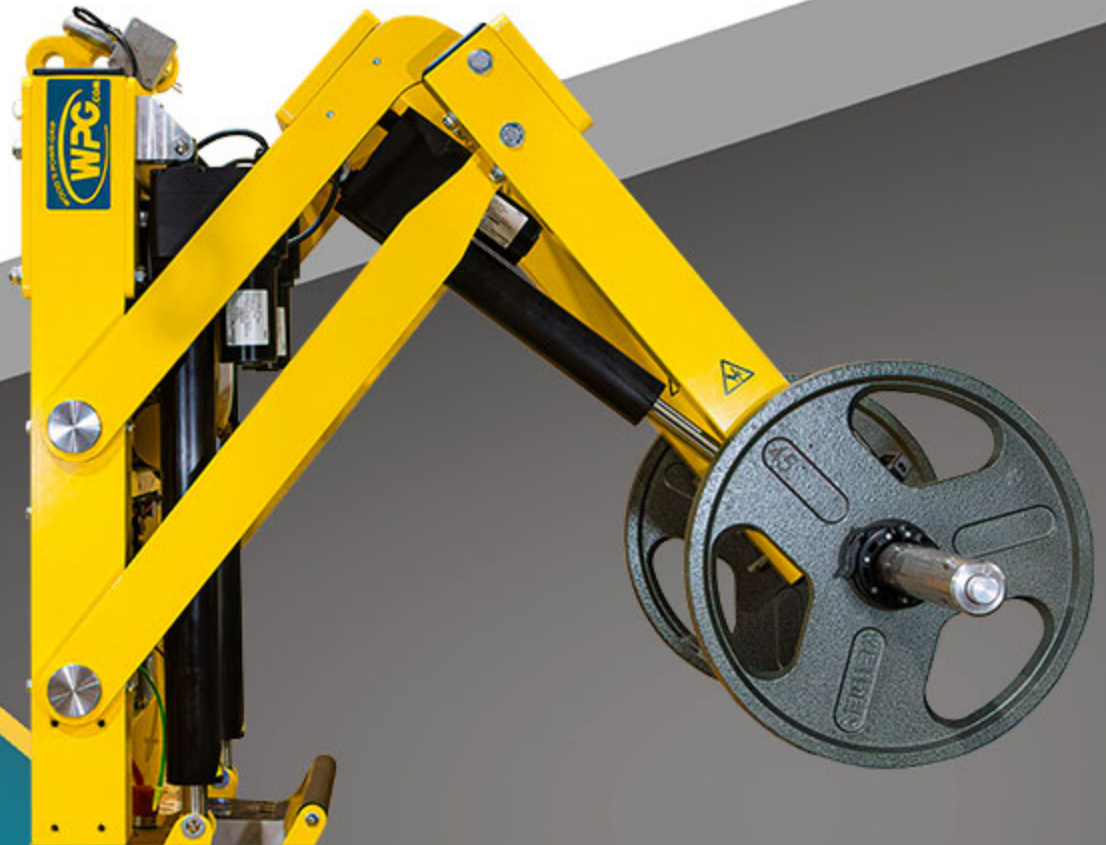
INSTALLATION INSTRUCTIONS



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www.WPG.com



**INTENDED FOR USE BY SKILLED
TECHNICAL PROFESSIONALS • READ
AND UNDERSTAND BEFORE INSTALLING**



COUNTER-BALANCER

for integrated use with MANUAL
ROTATOR / POWER TILTER 2800

Stock number: 98815



SPECIFICATIONS

Product Description	Designed for use with the MRPT1611LDC3(S) lifter, the Integrated Counter-Balancer adjusts the hang angle of the lifter or load as needed, such as aligning windows for efficient installation in rough opening, by utilizing a removable set of counterweight plates to balance the lifting system, whether loaded or unloaded.
Product Weight (without counterweight)	130 lbs (59 kg)
Counterweight Weight	
Per counterweight plate	45 lbs (20.5 kg)
Maximum (16 plates)	720 lbs (327 kg)
Power Source	12 volts DC, 21 amps
Motion Capability	Powered; speed = approx 6 seconds from full retraction to full extension (or vice versa)

ASSEMBLY

1) Raise the lifter's lift bar (see ASSEMBLY in the lifter's *OPERATING INSTRUCTIONS*).

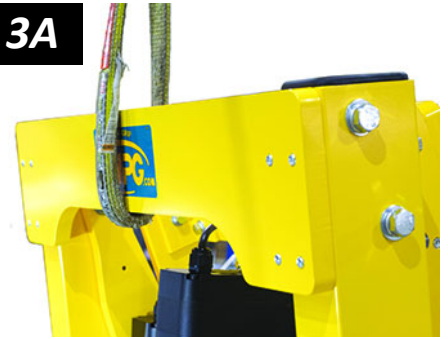
2) Select hoisting equipment, including rigging, rated for the counter-balancer's Unit Weight (see "SPECIFICATIONS" on page 3).



Only use rigging rated for Unit Weight.

3) Position rigging as shown, to support the counter-balancer when hoisted (fig. 3A).

3A



4) Attach hoisting hook to the rigging (fig. 4A).

4A



Make sure hoisting hook has restraining latch (circled).

5) Suspend the counter-balancer. Then position it for installation on the lifter. (fig. 5A).

5A



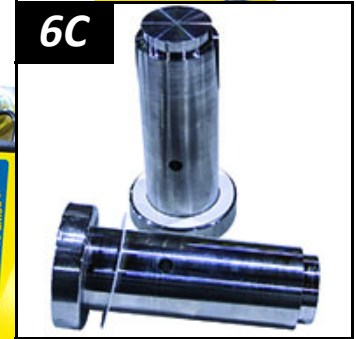
Note: The lifter, which is equipped with parking feet, should be set on a stable surface before installing the counter-balance (see OPERATION: AFTER USING THE LIFTER in the lifter's OPERATING INSTRUCTIONS).

ASSEMBLY

- 6) Align the pivot shaft hole of one of a counter-balancer's upper arms with its corresponding hole on the lift bar (fig. 6A). Then insert a pivot shaft and shim (figs. 6B-C). Repeat with the other upper arm. Then repeat with the two lower arms.



6B



6C

*Note: Line up the hex head screws holes on the shaft and lift bar **before** inserting the shaft completely (figs. 6D-E).*

6D

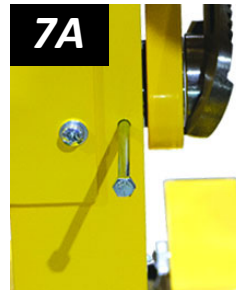


6E

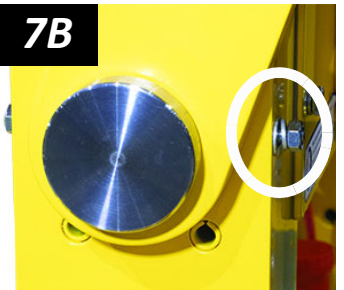


- 7) Insert hex head screws, using a wrench to turn the shafts as needed (fig. 7A). Once the screws are fully inserted, secure with provided hardware (circled in figs. 7B-C).

7A



7B



7C

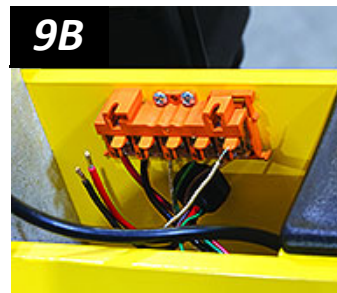


ASSEMBLY

- 8) Route the wiring leading from the counter-balancer's actuator through the gromit on the lift bar (circled in figs. 8A-B).



- 9) Connect the counter-balancer wires (fig. 9A) to the connection box located on the inside of the lift bar:



- 9.1) Note the colors of the actuator wires that are already connected to the box.
9.2) Open the tabs for the corresponding ports (fig. 9B). Then insert each counter-balancer wire in the port that corresponds with each similarly colored actuator wire.
9.3) Close the tabs to complete the connection (fig. 9C).

Note: See wiring diagram in these INSTALLATION INSTRUCTIONS for more connection details.

- 10) Complete the assembly as directed in ASSEMBLY: TO ASSEMBLE THE INTEGRATED COUNTER-BALANCER in the lifter's *OPERATING INSTRUCTIONS*.

REPLACEMENT PARTS

Stock No.	Description	Qty.
65380	Counterweight Plate	16
65380WC	Weight Clamp	2
65144	PVC Shim (for Pivot Shafts)	4
12770	1/4" Flat Washer	4
12752	1/4" Split Lock Washer	4
11114	1/4-20 Machine Screw Hex Nut	4
10736	1/4-20 x 4-1/2" Hex Head Cap Screw	4
Call WPG	Pivot Shaft	4

***SERVICE ONLY WITH IDENTICAL REPLACEMENT PARTS,
AVAILABLE AT WPG.COM OR THROUGH AN AUTHORIZED WPG DEALER***

LIMITED WARRANTY

Wood's Powr-Grip® (WPG) products are carefully constructed, thoroughly inspected at various stages of production, and individually tested. They are warranted to be free from defects in workmanship and materials for a period of one year from the date of purchase.

If a problem develops during the warranty period, follow the instructions below to obtain warranty service. If inspection shows that the problem is due to defective workmanship or materials, WPG will repair the product without charge.

Warranty does not apply when ...

- modifications have been made to the product after leaving the factory
- rubber portions have been cut or scratched during use;
- repairs are required due to abnormal wear and tear, and/or;
- the product has been damaged, misused or neglected.

If a problem is not covered under warranty, WPG will notify the customer of costs prior to repair. If the customer agrees to pay all repair costs and to receive the repaired product on a C.O.D. basis, WPG then will proceed with repairs.

To Obtain Repairs or Warranty Service

For purchases in *North America*:

Contact the WPG Technical Service Department. When factory service is required, ship the complete product – prepaid – along with your name, address and phone number to the street address listed at the bottom of this page. WPG may be reached by phone or fax numbers listed below.

For purchases in *all other localities*:

Contact your dealer or the WPG Technical Service Department for assistance. WPG may be reached by phone or fax numbers listed below.

Wood's Powr-Grip Co., Inc.
908 West Main St.
Laurel, MT 59044 USA

406-628-8231 (phone)
800-548-7341 (phone)
406-628-8354 (fax)

WIRE LEGEND: CONTROLLED BY
WIRING SYMBOLS DRAWING
EXCEPT AS NOTED AND BELOW.

LINE STYLES AND WIDTHS FOR
WIRE UNLESS NOTED OTHERWISE.

24AWG	22AWG	20AWG	16AWG
14AWG	12AWG	6AWG	CAT5

PRODUCT MANAGER:

DANIEL M.

DATE:

07/10/2018

CHECKED:

MAP

06/11/2019

APPROVED:

TYPE:

PROJECT

FILE DIRECTORY:

FILE [SHEET]:

NPRD0062L-W01 [L-W01]

20170901.00.00

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WPG
LAUREL,
MONTANA
U.S.A.

2800# MANUAL ROTATE/POWER TILT
LIFT BAR

MODULE C WIRING SCHEMATIC
NPRD0062L-W01 [L-W01]

SIZE:

A NONE

SCALE:

REVISION:

00.A

ECN NUMBER:

VER00.A

ECN DATE:

07/16/2018

ECN BY:

MAP

EST. WEIGHT:

N/A

