

KEEP FOR FUTURE REFERENCE

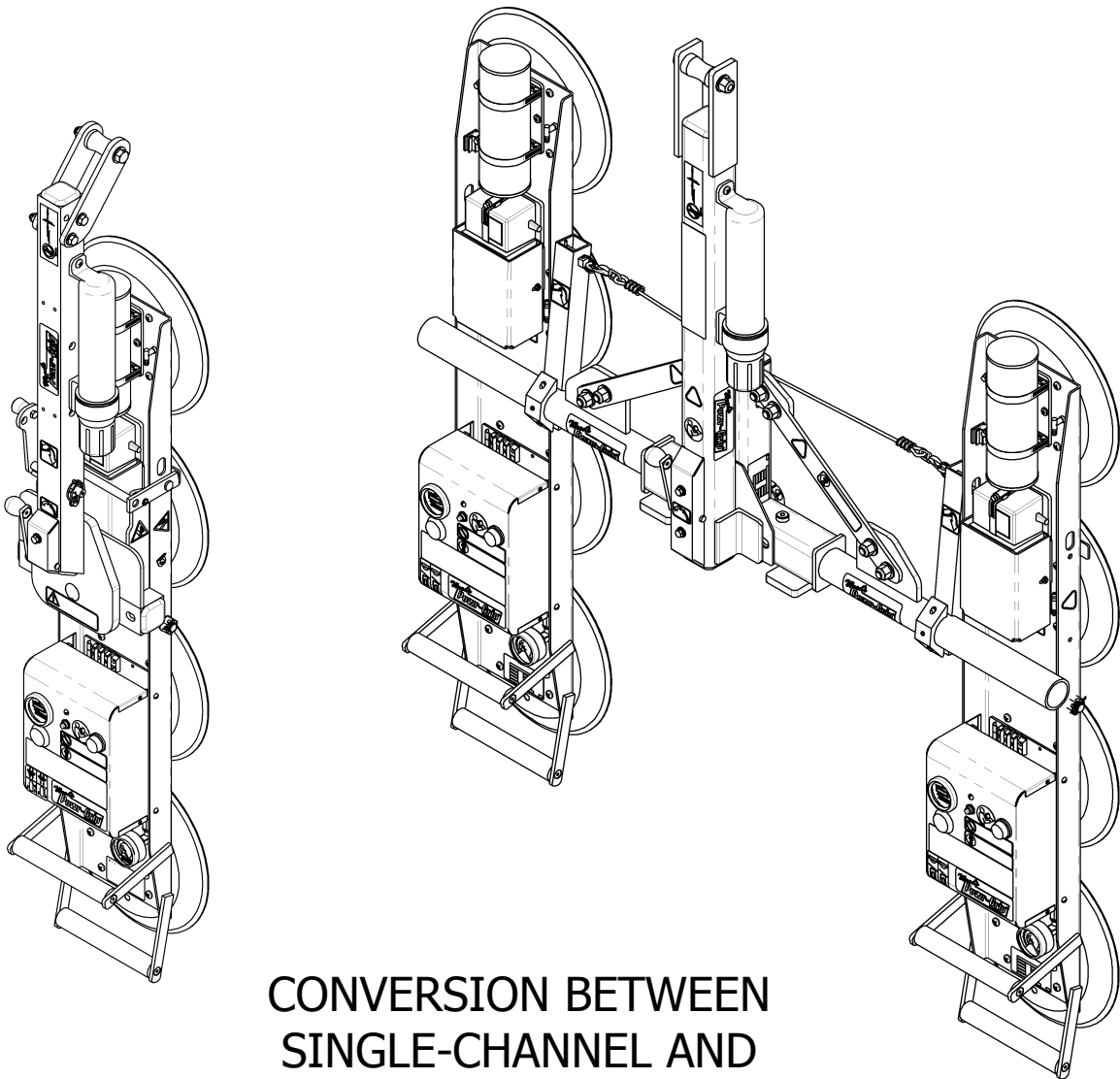


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CONVERSION INSTRUCTIONS



MODEL NUMBERS: P11004DC(2),
P1HV1104DC(2), P11104DC(2),
P2110445DC(2), P211047DC(2),
P2HV110445DC(2), P2HV11047DC(2)



**CONVERSION BETWEEN
SINGLE-CHANNEL AND
DOUBLE-CHANNEL VACUUM LIFTERS**



***READ SEPARATE OPERATING INSTRUCTIONS
BEFORE USING VACUUM LIFTER***



DESIGNED FOR THE MATERIALS HANDLING PROFESSIONAL

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SPECIFICATIONS



Note: These are assembly instructions only. They are *not* intended to address safety, operation or maintenance of vacuum lifters.



Refer to separate *OPERATING INSTRUCTIONS* for more information.

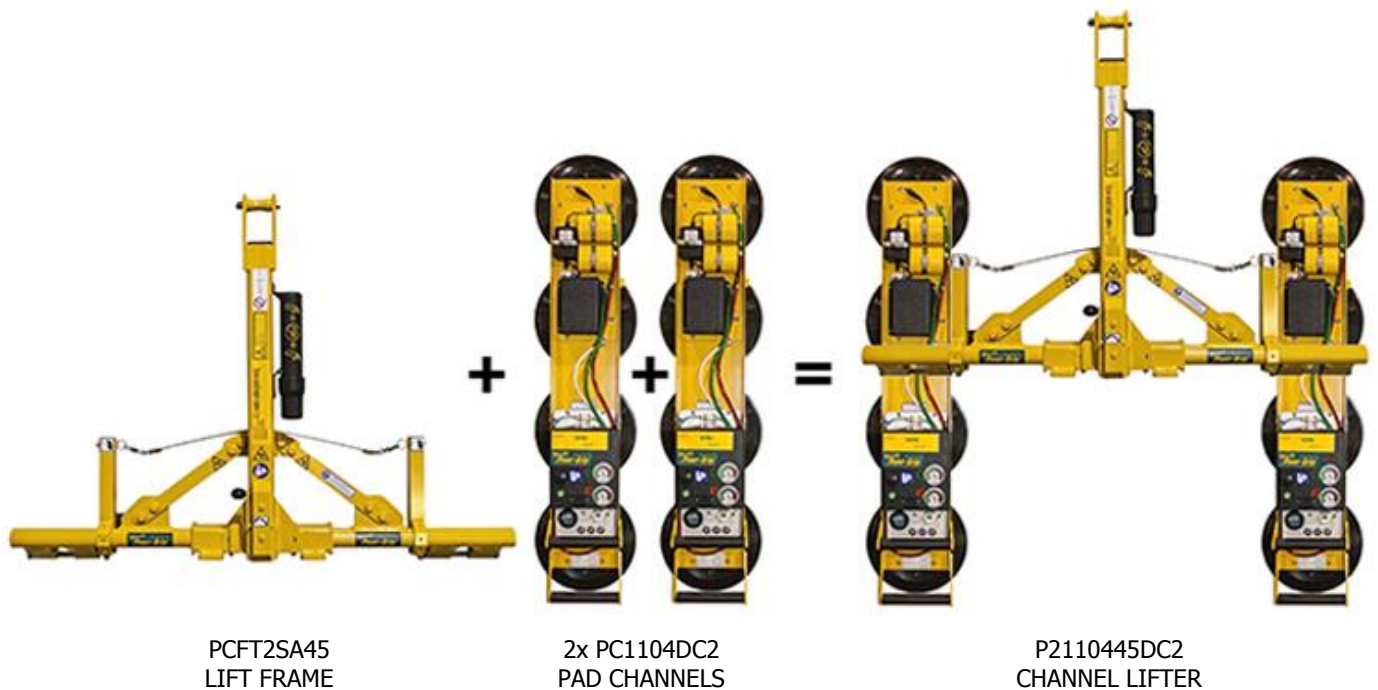
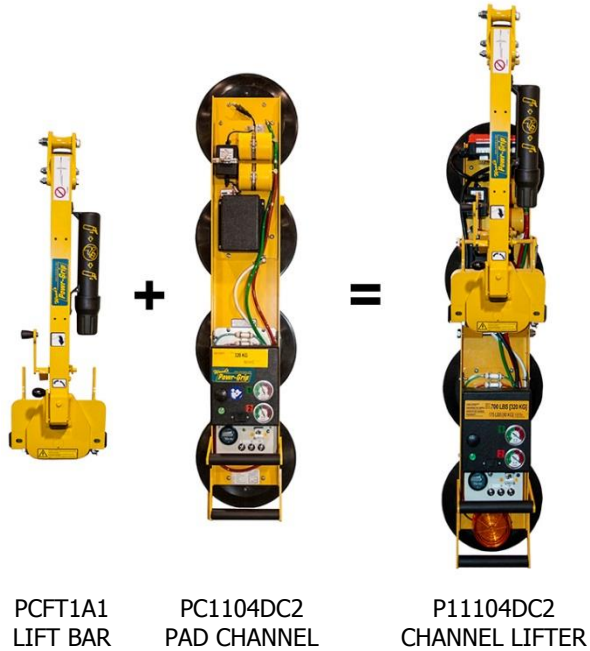
If you do not already have ***OPERATING INSTRUCTIONS*** for the model of lifter you are assembling, be sure to obtain the correct ***OPERATING INSTRUCTIONS*** from www.WPG.com, your dealer or Powr-Grip Technical Service.

P1 Model Numbers: Components:	P11004DC(2) = PCFT1A1 + PC1004DC(2)	P1HV1104DC(2) = PCFT1A1 + PCHV1104DC(2)	P11104DC(2) = PCFT1A1 + PC1104DC(2)
Vacuum Pads: (4 each, standard rubber)	10" [25 cm] nom. diameter, concave (Model G0750)	10" [25 cm] nom. diameter, lipped (Model HV11)	11" [28 cm] nom. diameter, lipped (Model G3370)
Maximum Pad Spread: (to outer edges)	49" x 10" [1245 x 254 mm]	50" x 11" [1270 x 280 mm]	51" x 12" [1295 x 305 mm]
Maximum Load Capacity: Per-Pad: Overall:	 150 lbs [68 kg] 600 lbs [270 kg]	150 lbs [68 kg] 600 lbs [270 kg]	175 lbs [80 kg] 700 lbs [320 kg]
Lifter Weight: 	-----85 lbs [39 kg] -----		

P2 Model Numbers: Components:	P2110445DC(2) = PCFT2SA45 + 2x PC1104DC(2)	P211047DC(2) = PCFT2SA7 + 2x PC1104DC(2)	P2HV110445DC(2) = PCFT2SA45 + 2x PCHV1104DC(2)	P2HV11047DC(2) = PCFT2SA7 + 2x PCHV1104DC(2)
Vacuum Pads: (8 each, standard rubber)	11" [28 cm] nominal diameter, lipped (Model G3370)		10" [25 cm] nominal diameter, lipped (Model HV11)	
Maximum Pad Spread: (to outer edges)	51" x 54¼" [1295 x 1378 mm]	51" x 84¼" [1295 x 2140 mm]	50" x 53¼" [1270 x 1353 mm]	50" x 83¼" [1270 x 2115 mm]
Maximum Load Capacity: Per-Pad: Overall:	 175 lbs [79.5 kg] 1400 lbs [635 kg]		150 lbs [68 kg] 1200 lbs [545 kg]	
Lifter Weight: 	197 lbs [87 kg]	210 lbs [96 kg]	201 lbs [92 kg]	214 lbs [97 kg]

OVERVIEW

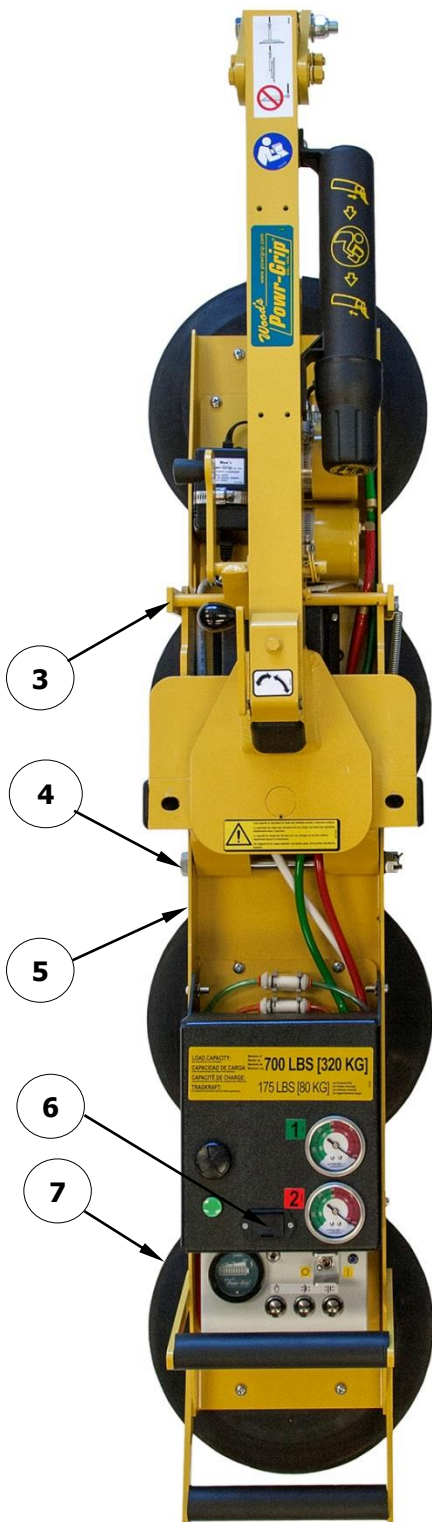
Channel lifters can be assembled from interchangeable components, as shown. To convert from model P1-04DC(2) to model P2-0445/7DC(2), or vice versa, disassemble one lifter and assemble the other, according to ASSEMBLY instructions.



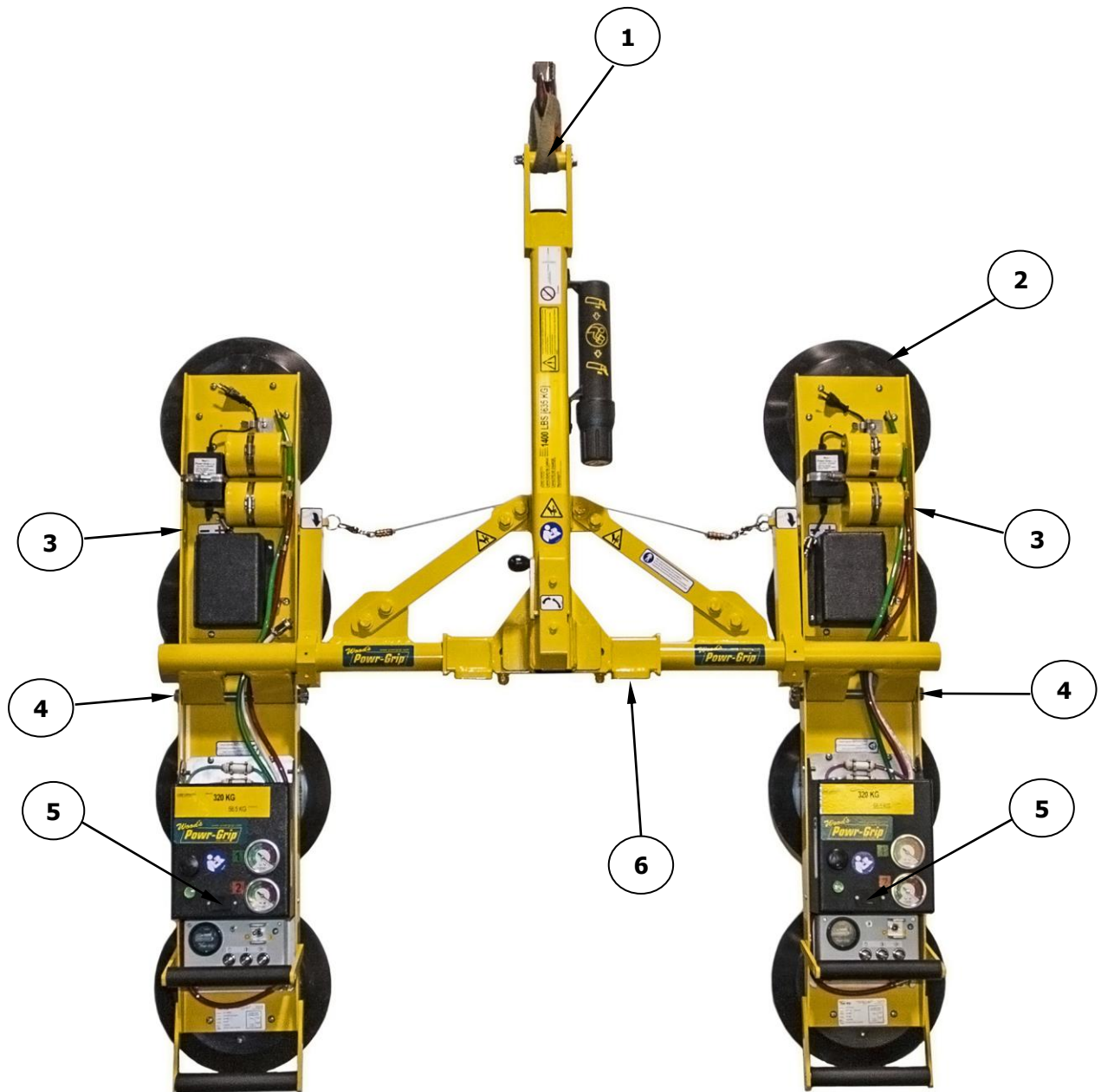
IDENTIFICATION OF PARTS

Note: Parts shown here are underlined on their first appearance in each section to follow.

- 1 LIFT SPOOL
- 2 LIFT BAR
- 3 TILT LATCH BAR
- 4 TILT PIN
- 5 PAD CHANNEL
- 6 POWER LOSS WARNING BATTERY HOLDER
- 7 VACUUM PAD



Standard P11104DC2 shown.



Standard P2110445DC2 shown.

- | | | |
|--------------|----------------|-------------------------------------|
| 1 LIFT SPOOL | 3 PAD CHANNELS | 5 POWER LOSS WARNING BATTER HOLDERS |
| 2 VACUUM PAD | 4 TILT PINS | 6 LIFT FRAME |

ASSEMBLY

PREPARE TO ASSEMBLE LIFTER

- 1) Open the shipping container(s) and remove all devices for restraining or protecting the components of the vacuum lifter. Save the container(s) and devices for use whenever the lifter is transported.
- 2) Select hoisting equipment (crane and hoist, when applicable) rated to carry the Maximum Load Capacity plus the Lifter Weight for the model you are assembling (see SPECIFICATIONS).



Note: Any application of the lifter must conform to all statutory or regulatory standards that relate to the hoisting equipment when used in its geographical location.

ASSEMBLE OR DISASSEMBLE P1-04DC(2) LIFTER

- 1) Suspend the lift bar from hoisting equipment as follows: Raise the lift bar to an upright position and adjust the lift spool to optimize the lifter's hang angle for the intended use, as shown.

When a different spool position is desired, remove and loosen the bolts as needed to move the lift spool. Then reinstall all hardware, and tighten bolts securely.



Attach the hoisting equipment hook to the lift spool as shown.



Make sure hoisting equipment hook is fitted with restraining latch to prevent lift spool from slipping off under any circumstances.

Note: Make sure the hook will not interfere with the load, using a sling or other rigging as necessary.

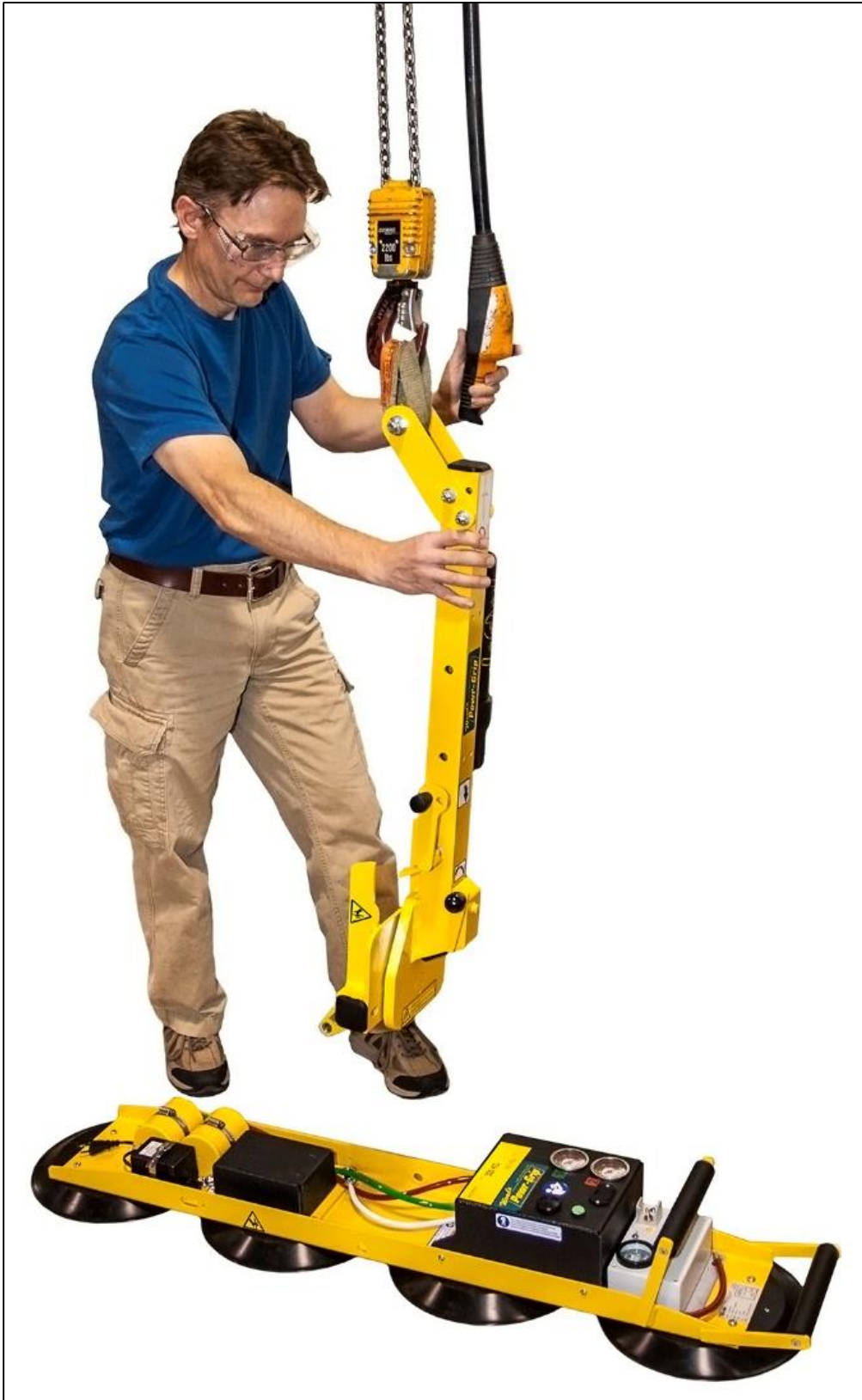


Only use slings rated to carry Maximum Load Capacity plus Lifter Weight.



Note: If the lift bar is already attached securely to the pad channel and the tilt latch works correctly (see separate *OPERATING INSTRUCTIONS*), skip to **COMPLETE LIFTER ASSEMBLY**.

- 2) Remove the pad channel from the shipping container, being careful to avoid damage to any vacuum pads. Position the pad channel on a clean, flat surface.
- 3) Use the hoisting equipment to position the lift bar between the rails of the pad channel, as shown.



- 4) Attach the lift bar to the pad channel (see figure A1), as follows:
- a) Align the mounting holes on the lift bar with those in the pad channel, as shown.



- b) Insert the tilt pin through the mounting holes, underneath the vacuum hoses and wiring, as shown.

Caution: To avoid damage, do not place tilt pin on top of vacuum hoses or wiring.

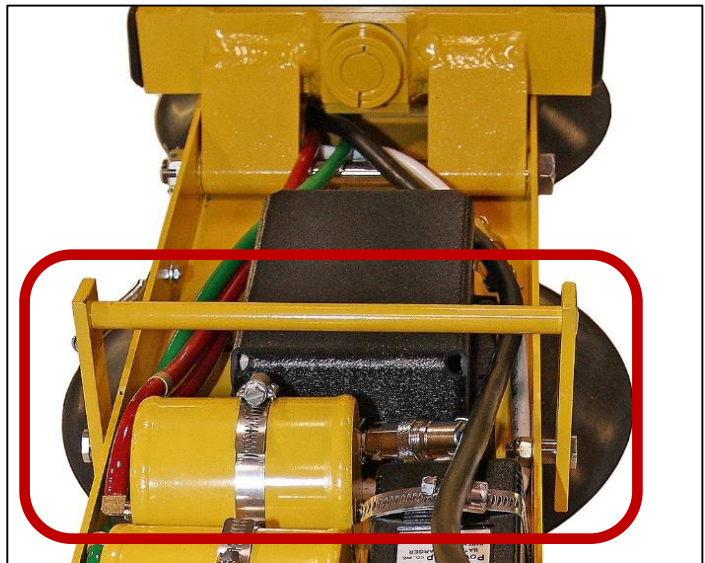


- c) Secure the tilt pin using the hardware supplied, as shown.
- Note: Flat washers should be located outside of the channel.

Caution: Replace cotter pin each time it is used (see separate OPERATING INSTRUCTIONS).



5) Install the tilt latch bar on the pad channel using the hardware supplied, as shown.



Lower the lift bar to make sure the tilt latch engages correctly, as shown.



Then disengage the tilt latch and raise the lift bar to a vertical orientation, as shown.



Note: Reverse steps 1-5 to disassemble a P1-04DC(2) lifter.

ASSEMBLE OR DISASSEMBLE P2-0445DC(2) OR P2-047DC(2) LIFTER

- 1) Suspend the lift frame from hoisting equipment as follows: Disengage the rotation latch and raise the lift bar to a vertical orientation, as shown.



Attach the hoisting equipment hook to the lift spool as shown.



Make sure hoisting equipment hook is fitted with restraining latch to prevent lift spool from slipping off under any circumstances.

Note: Make sure the hook will not interfere with the load, using a sling or other rigging as necessary.



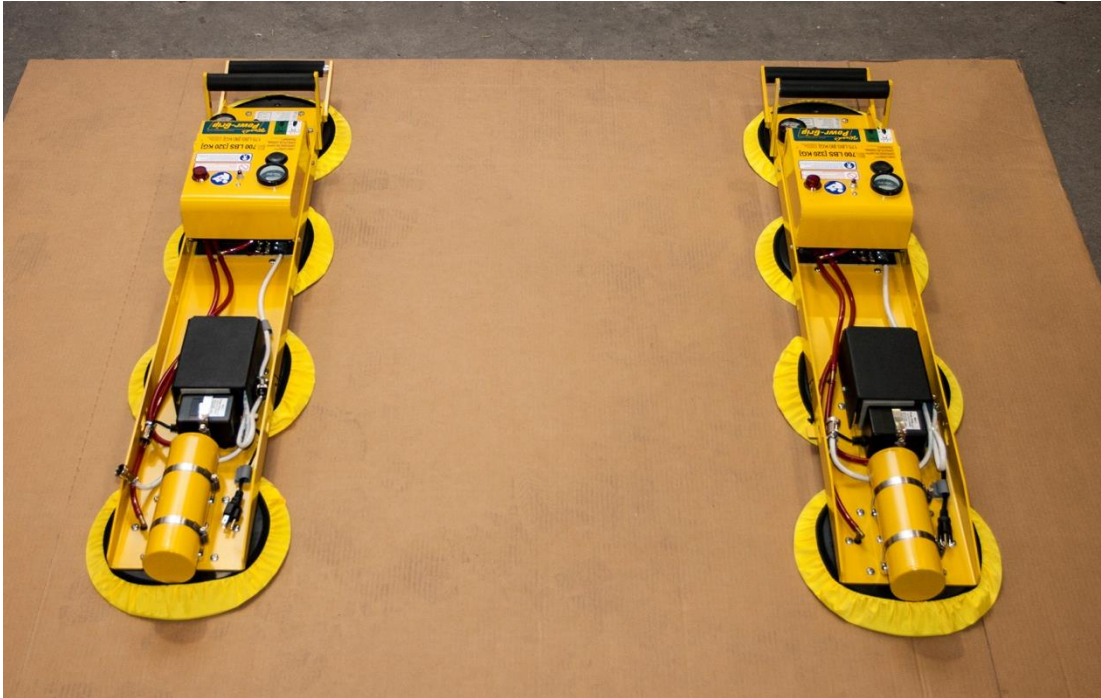
Only use slings rated to carry Maximum Load Capacity plus Lifter Weight.



- 2) Remove the pad channels from the shipping containers, being careful to avoid damage to any vacuum pads.

Note: Both pad channels must have identical model numbers (see SPECIFICATIONS). If not, they are not compatible for use on the same lifter.

Position the pad channels on a clean, flat surface as shown.



- 3) Use the hoisting equipment to position the lift frame between the rails of the pad channels, as shown.



4) Attach the lift frame to the pad channels (see figure A2), as follows:

a) Align the mounting holes on the lift frame with those in the pad channels, as shown.

b) Insert a tilt pin through the holes in one pad channel, underneath the vacuum hoses and wiring, as shown.

Caution: To avoid damage, do not place tilt pin on top of vacuum hoses or wiring.

c) Secure the tilt pin using the hardware supplied, as shown.

Note: Flat washers should be located outside of the channels.

Caution: Replace cotter pins each time they are used.

5) Repeat steps 4a-4c to attach the second pad channel securely to the lift frame.

Note: Reverse steps 1-5 to disassemble a P2-0445/7DC(2) lifter.



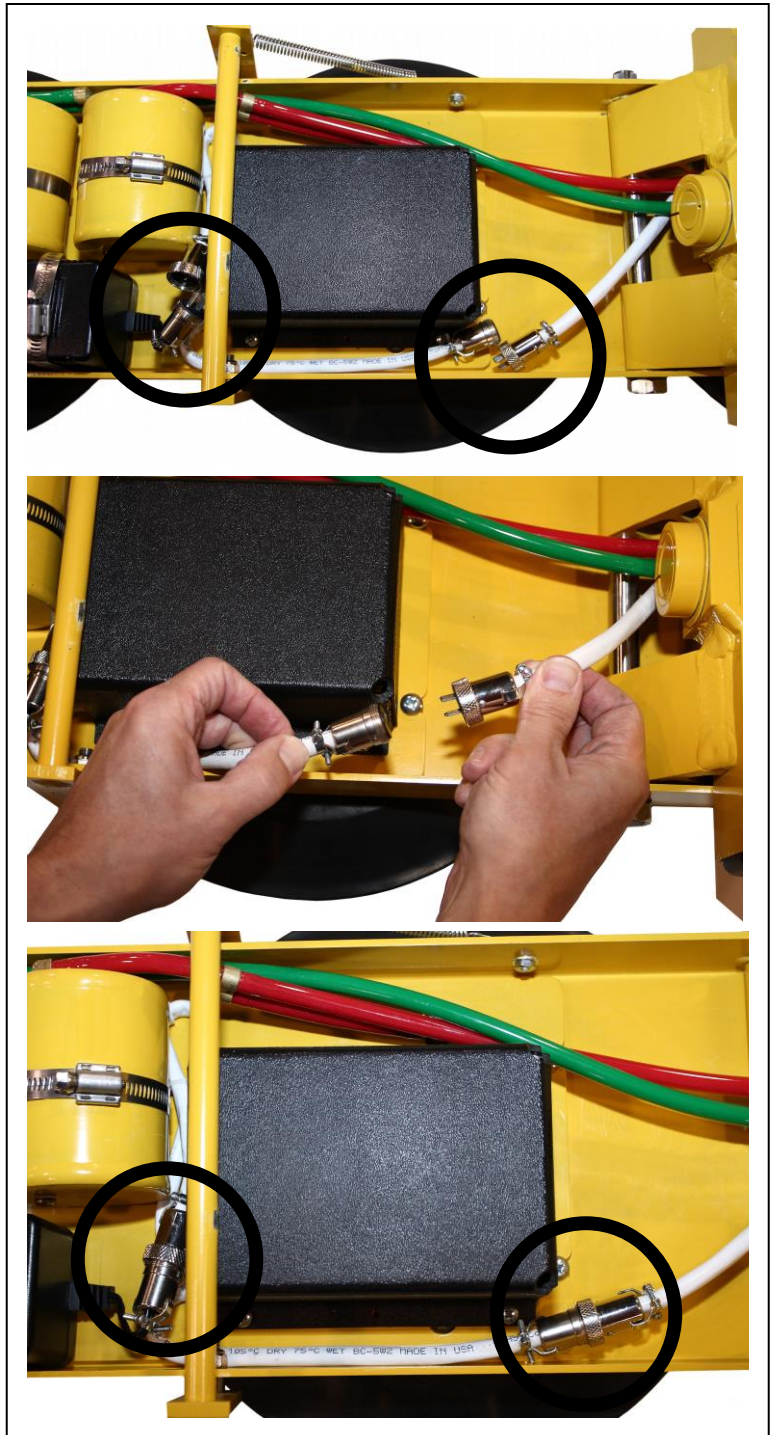
COMPLETE LIFTER ASSEMBLY

1) Use the hoisting equipment to raise the lifter. Remove the pad covers as shown, and save them for use whenever the lifter is stored.

2) Make sure the vacuum pads are clean (see separate *OPERATING INSTRUCTIONS*).



- 3) Connect the electrical connectors for each pad channel, as shown.



- 4) When applicable, install or replace the battery for the power loss warning buzzer on each pad channel: Press the power loss warning battery holder inward, causing it to release, and slide the battery tray out as shown. Install a new 9-volt battery according to the polarity markings and retest the warning buzzer (see separate *OPERATING INSTRUCTIONS*).
- 5) Before you put the lifter into service, perform Operational and Load Tests (see separate *OPERATING INSTRUCTIONS*).



