

KEEP FOR FUTURE REFERENCE

INSTALLATION INSTRUCTIONS



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



POWER TRANSFORMER

Stock numbers: 93032, 93032AM, 95530, 95530AM (shown)

TABLE OF CONTENTS

SPECIFICATIONS	2
INSTALLATION	3
INSPECTION AND MAINTENANCE.....	6
FUZE INSPECTION AND REPLACEMENT.....	6
LIMITED WARRANTY	7
TO OBTAIN REPAIRS OR WARRANTY SERVICE.....	7

SPECIFICATIONS

Stock Numbers	93032, 93032AM, 95530, 95530AM			
Product Description	The Power Transformer converts the voltage available from an external AC power source to the standard operating voltage of the vacuum lifter.			
Weight Increase	1 KVA 36 lbs [16 kg]	1.5 KVA 42 lbs [19 kg]	2 KVA 50 lbs [23 kg]	3 KVA 67 lbs [30 kg]
	<i>Note: The corresponding weight should be added to the Lifter Weight when determining hoisting equipment capacity.</i>			

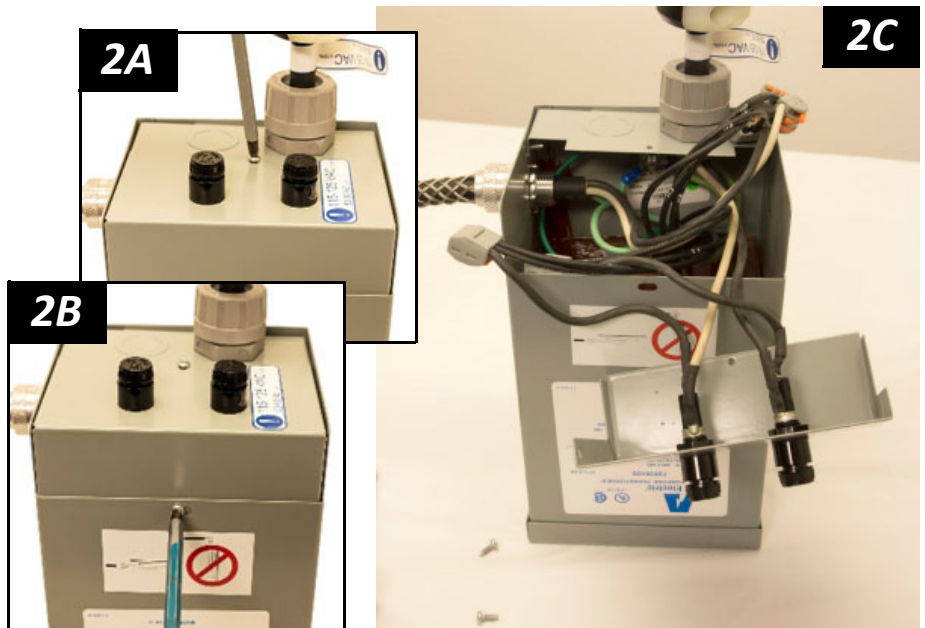
Note: Before installing and using the Power Transformer read, understand and follow the lifter's OPERATING INSTRUCTIONS. Intended use, operation, storage, inspections, tests and maintenance in the lifter's instructions should be understood to include options, when relevant. All warnings in the "SAFETY" section, as well as alerts in other sections, are applicable when using the Power Transformer.

INSTALLATION

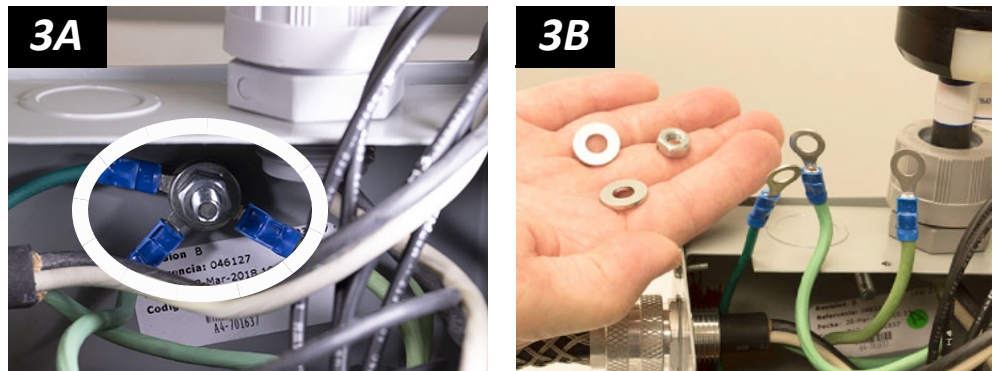


This installation must be performed by qualified service personnel.

- 1) Remove the Power Transformer from its packaging or the lifter's shipping container.
- 2) Remove the enclosure cover, saving its associated hardware (figs. 2A-C).

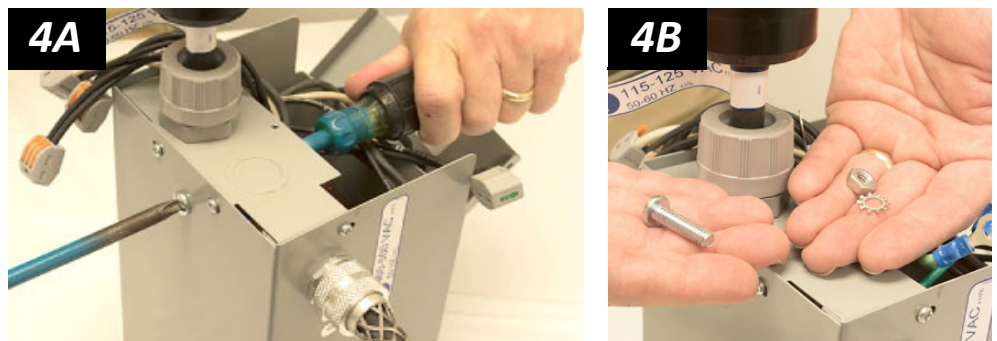


- 3) Disconnect the ground wires from the ground bolt (circled in fig. 3A) and save the ground wires' associated hardware (fig. 3B).



- 4) Remove the ground bolt and its nut and washer from the enclosure (figs. 4A-B).

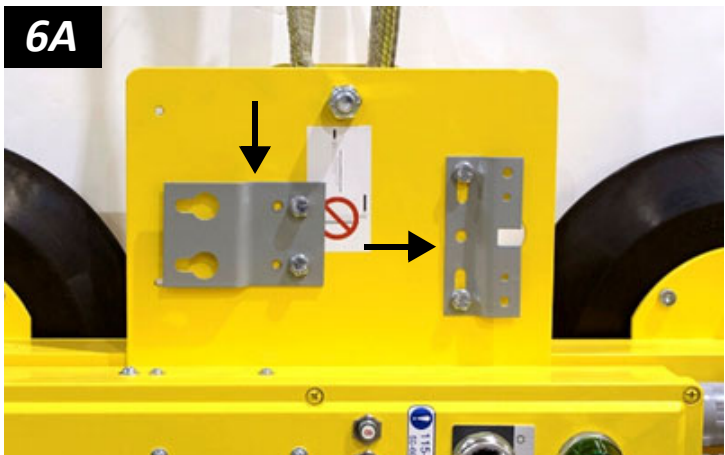
Note: Save this hardware, which is also used to secure the transformer to the mounting plate.



INSTALLATION

- 5) If retrofitting, install the supplied mounting plate on the lifter's frame using supplied hardware.¹ Otherwise, skip to step 6.

Note: Model numbers #93032 and 93032AM include a mounting plate with hook and shackle (fig. 5A) for retrofitting a transformer on select lifters. Install the transformer on the supplied mounting plate similarly as follows.



- 6) Install the transformer on the mounting plate:
- 6.1) Install the mounting hardware (arrows in fig. 6A) on the plate using supplied fasteners.²
 - 6.2) Align the corresponding mounting hardware on the transformer and slide the transformer into position (fig. 6B).
 - 6.3) Use the saved ground bolt and its nut and washer, to secure the transformer to the plate (fig. 6C).

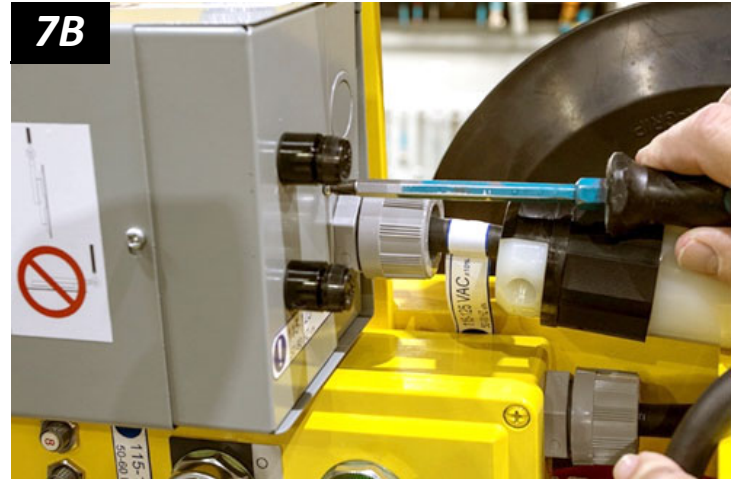
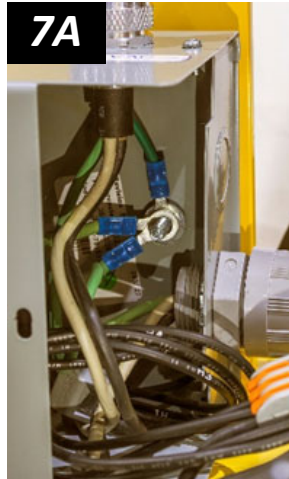


1..... While the frames of all applicable lifters are predrilled to accept mounting plates, location of the mounting holes varies among models.

2..... If the lift bar must be vertical to access the transformer's mounting plate, raise the lift bar as directed in the lifter's *OPERATING INSTRUCTIONS*. If the lifter has powered tilt, connect the unmounted transformer to the power cable as directed in step 8 on the next page. Be careful to support the transformer and provide sufficient slack in the power cable to allow for lift bar movement. After the lift bar has been raised, disconnect the power cable and proceed with the installation.

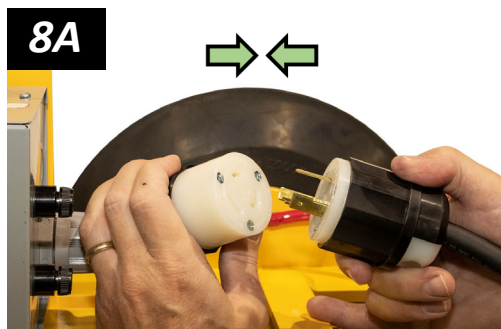
INSTALLATION

- 7) Reconnect the ground wires using their saved hardware (fig. 7A) and reinstall the enclosure cover using its saved hardware (fig. 7B).



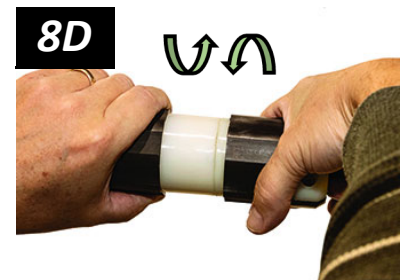
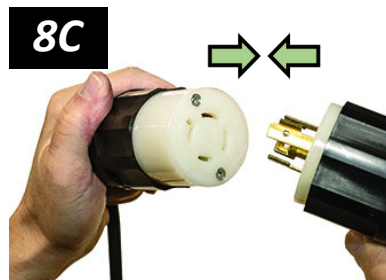
- 8) Connect the transformer to the power cable:

- 8.1) Identify the male connector wired to the lifter's power unit and the female connector



wired to the transformer (fig. 8A). Push the connectors together and twist, to secure (fig. 8B).

- 8.2) Identify the male connector wired to the transformer and the female connector wired to the external power source (fig. 8C).¹ Push the connectors together and twist, to secure (fig. 8D).



Caution: Make sure to route the power cable so that it doesn't become damaged during operation.

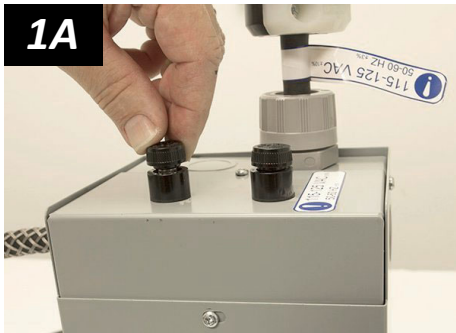
- 9) Test the function of the transformer (see "INSPECTIONS AND TESTS: TESTING" in the lifter's *OPERATING INSTRUCTIONS*).

1..... As directed in the "ASSEMBLY" section of the lifter's *OPERATING INSTRUCTIONS*.

INSPECTION AND MAINTENANCE

FUSE INSPECTION AND REPLACEMENT

If any powered feature of the lifter does not function while the power cord is connected to the external power source, this may be the result of a blown fuse. Lifter operators must inspect fuses as part of the Periodic Inspection of the electrical system (see “INSPECTIONS AND TESTS: INSPECTION SCHEDULE” in the lifter’s *OPERATING INSTRUCTIONS*) and replace fuses as needed:



- 1) Push the fuse holder inward and turn it counter-clockwise (fig. 1A).
- 2) Pull out the fuse holder, to expose the fuse (fig. 2A).
- 3) Remove the fuse for inspection and replace it, if necessary (fig. 3A).¹
- 4) To install a fuse, reverse steps 1-3. Turn the fuse holder clockwise until it stops.
- 5) Repeat steps 1-4 for the second fuse.

REPLACEMENT PARTS

Stock No.	Description	Qty.
93030	Mounting Plate w/ Hook and Shackle	1
64399M	Transformer, 3 KVA, 200/208/220/380/416/440 Primary, 120/240 Secondary, 50/60 Hz	1
64398M	Transformer, 2 KVA, 200/208/220/380/416/440 Primary, 120/240 Secondary, 50/60 Hz	1
64398	Transformer, 2 KVA, 240/480 Primary, 120/240 Secondary, 60 Hz	1
64397M	Transformer, 3 KVA, 240/480 Primary, 120/240 Secondary, 60 Hz	1
64396	Transformer, 1.5 KVA, 240/480 Primary, 120/240 Secondary, 60 Hz	1
64394	Transformer, 1 KVA, 240/480 Primary, 120/240 Secondary, 60 Hz	1

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

1..... Replace only with the size and type of fuse indicated by markings on the blown fuse. If necessary, contact WPG for assistance.

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, then WPG 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.

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