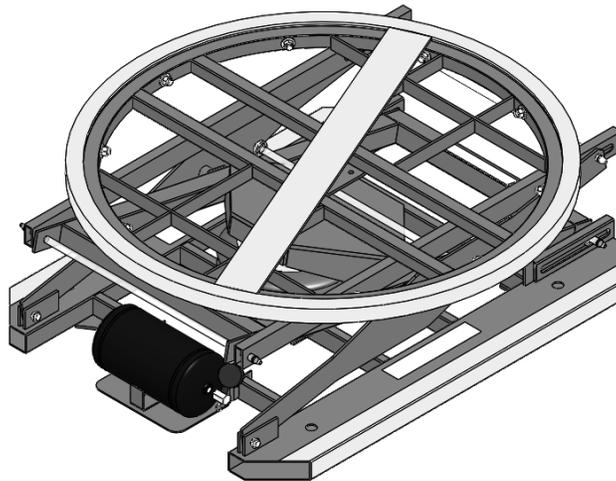




# Instruction Manual

## *Pneumatic Pallet Leveler*

Part Number: 272696



**Note: Operator MUST read and understand these operating instructions before using this Pneumatic Pallet Leveler.**

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ATTENTION: READ INSTRUCTIONS ENTIRELY BEFORE USING TO  
INSURE SAFE OPERATION OF THE WESCO PALLET LEVELER

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## **1. GENERAL INFORMATION**

### **1.1 DESCRIPTION**

Thank you for purchasing a Wesco Pneumatic Pallet Leveler. This pneumatic pallet leveler is designed to automatically maintain a load at the ideal height for loading or unloading. 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)

### **1.2 WARRANTY REPAIRS**

If the unit does not work properly, contact your dealer or the factory (215-699-7031) for units less than 1 year old.

### **1.3 NON-WARRANTY SERVICE**

If units are older than 1 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. Wesco will not be responsible for merchandise returned without proper authorization.

### **1.4 LIMITED WARRANTY**

WESCO INDUSTRIAL PRODUCTS (WESCO) warrants to the purchaser of this product for a period of one (1) year 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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## **1. GENERAL INFORMATION**

### **1.5 SPECIFICATIONS**

Max Load Capacity	4500 lbs/ 2041 kg
Load Size	50" wide x 50" long x 72" high (max.)
Dimensional Frame	36 1/4" x 45 3/8"
Lowered Height	12 1/2 inches
Raised Height	28 1/2 inches
Maximum Air Pressure (without load)	80 PSI
Maximum Air Pressure (with full load)	115 PSI
Air Relief Valve Setting	125 PSI
Rotating Ring, Outer Diameter	43 3/4 inches
Boxed Weight	377 lbs

**Table 1: Specifications Table**

### **1.2 GENERAL SAFETY INFORMATION**

- 1) DO NOT EXCEED THE RATED CAPACITY. The rated capacity is the total weight of both the pallet and the load. **(Load Capacity: 300 lbs - 4500lbs depending on initial PSI)**
- 2) Only trained, authorized personnel shall be permitted to operate the positioner.
- 3) Periodically inspect for damage and remove any damaged or malfunctioning unit from service immediately until repairs have been made.
- 4) Do not use this unit with damaged or broken pallets.
- 5) Never operate the unit if the load is off center.
- 6) Never sit or ride on the turntable.
- 7) Maintain a safe distance from the turntable when it is rotating.
- 8) When placing load on unit, make sure the unit is supporting the weight, not the fork lift, before removing the fork lift.
- 9) When removing a load with a fork lift, make sure that the load is clear of the Pallet Leveler before moving the fork lift. If the load is not clear of the Pallet Leveler, it may suddenly release when the fork lift is moved.
- 10) NEVER MOVE THE PALLET LEVELER WHEN LOADED.
- 11) Do not inflate unloaded pallet leveler to more than 80 PSI at the fully raised position. Damage to the air system may result.
- 12) Modifications or alterations to any Wesco equipment shall be made only with written permission from Wesco Industrial Products Inc.
- 13) Never operate the unit if the load is off center. The load may shift, and you may be injured. This can also damage the unit.
- 14) Filtering and drying the source air is recommended, but not required.

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INSURE SAFE OPERATION OF THE WESCO PALLET LEVELER

## **2. INSTALLATION**

### **2.1 UNPACKING THE UNIT**

- 1) Read through all of these instructions carefully. Make sure all warnings are understood.
- 2) Check the shipping pallet for damage which may affect the unit. If any damage is found, notify the shipper immediately and make a note of it on the shipping papers.
- 3) Place the unit on a smooth, surface free of dirt and debris.
- 4) Remove the metal banding that secures the unit to the pallet. **Note: It is recommended to wear proper safety attire when handling the metal banding that attaches the unit to the skid. The metal bands have sharp edges and are under high tension.** Remove all remaining packing material from the unit. Shift the unit off the skid, to the floor while supporting the base.
- 5) Make sure the base frame of the unit is set firmly on the floor and stable. Check to see that the base frame is level. If any part of the base frame is more than 1/2" out of level in relation to any other part, reposition to a flatter, more level surface area.

### **2.2 SET-UP**

\* \* \* \* \* **STOP** \* \* \* \* \*

**DO NOT SET AIR PRESSURE TO OVER 80 PSI  
WITH AN UNLOADED PALLET LEVELER**

The pallet leveler can handle a wide range of load capacities depending on the air pressure.  
The following recommendations are a general guide for initial operation.  
Working pressure should be adjusted depending on load and operator preferences.

Capacity	<700	1000	1500	2000	2500	3000	3500	4000	4500
Initial Pressure (PSI) (Unloaded unit)	8	11	15	18	25	35	48	62	80

**Table 2: Set-Up Recommendations**

**Note: Filtered ad Dry air supply is recommended but not required.**

- 1) **Set unloaded pallet leveler to a maximum of 80 PSI.**
- 2) Place load on positioner.
- 3) Adjust air pressure to achieve desired working height
- 4) Readjust air pressure as needed to change working height.

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### **3. OPERATION**

#### **3.1 LOADING/UNLOADING MANUALLY**

**To Load:**

Place empty pallet on unit, load the pallet evenly until the pallet is full. The pallet leveler will automatically adjust the working height as load is applied.

**To Unload:**

Remove the load from the Pallet Leveler and the pallet will gradually rise.

**Note: Make sure to evenly load and unload the unit. Overloading one side can cause tipping result in damage to the unit and operator.**

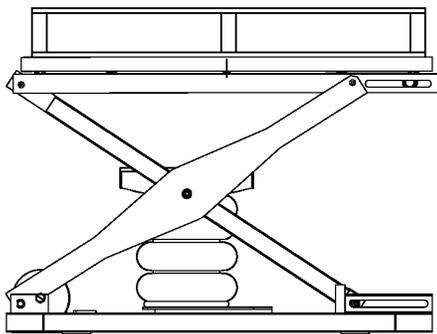


Figure 1 Unloaded Unit

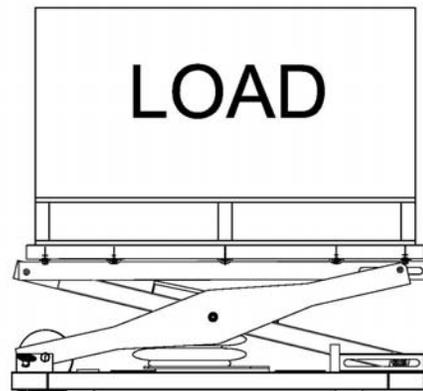


Figure 2 Loaded Unit

#### **3.2 LOADING/UNLOADING WITH FORK LIFT**

**To Load:**

Place load on to the pallet with a fork truck, lower the load until the Pallet Leveler is fully supporting the weight. Continue to load until the unit fully compressed.

**Note: Make sure the load is centered on the unit before removing the fork truck.**

**Note: Lower the load carefully and slowly onto the Pallet Leveler.**

**DO NOT DROP THE LOAD ONTO THE LEVELER.**

**Failure to slowly apply the load can damage the Pallet Leveler and could make the load unstable.**

**To Unload:**

Remove the load with the fork truck and lift until the air bag is fully extended and the pallet is completely clear of the Pallet Leveler.

**Note: Make sure the pallet clears the top of the turntable before moving the fork truck.**

#### **3.3 TRANSPORTING LEVELER**

- 1) DO NOT MOVE THE PALLET LEVELER WITH THE LOAD IN PLACE
- 2) Set forks of the fork lift into the fork pockets on the frame of the unit.
- 3) Transport and then lower unit on to smooth, level surface.

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### 4. TROUBLE SHOOTING

No	Problem	Causes	Solutions
1	Lowers too easily	- Not enough air pressure	- Add air
2	Does not lower enough	- Excessive air pressure	- Release air
3	The top of the unit rotates away from you	- The base frame of the unit may not be level	- Level the unit
4	Turntable does not smoothly rotate	- Worn turntable support bearings	- Replace bearings under table

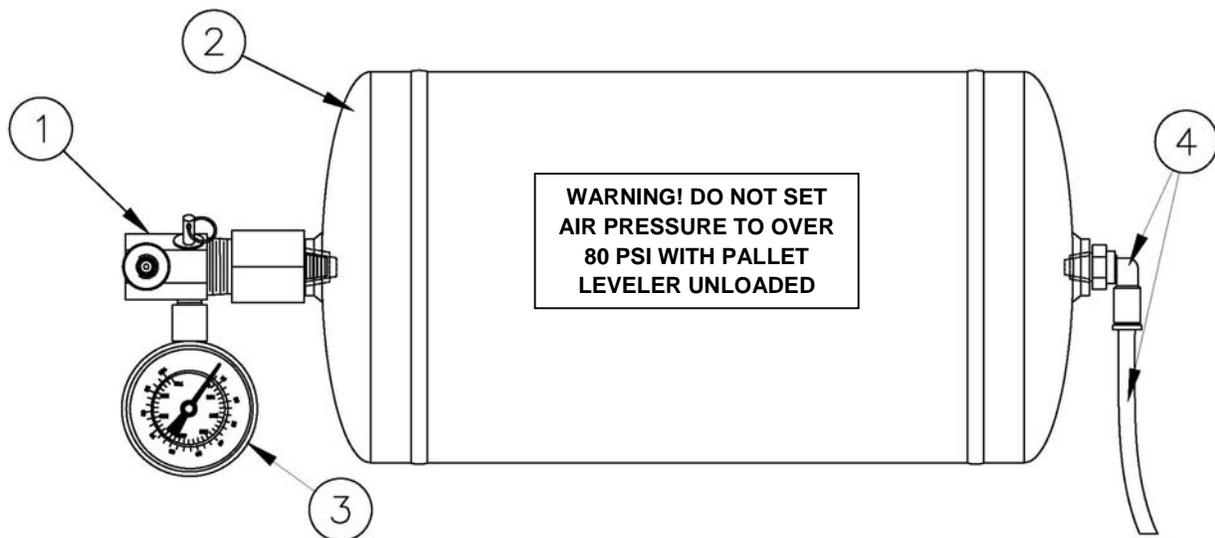
### 5. MAINTENANCE

Every 90 days of operation or as use warrants,

- Check for loose hardware and signs of excessive wear.
- Make sure that operating surface of unit is firm, level and clean of debris.

### 6. PARTS INFORMATION

#### 6.1 AIR TANK ASSEMBLY PART DIAGRAM



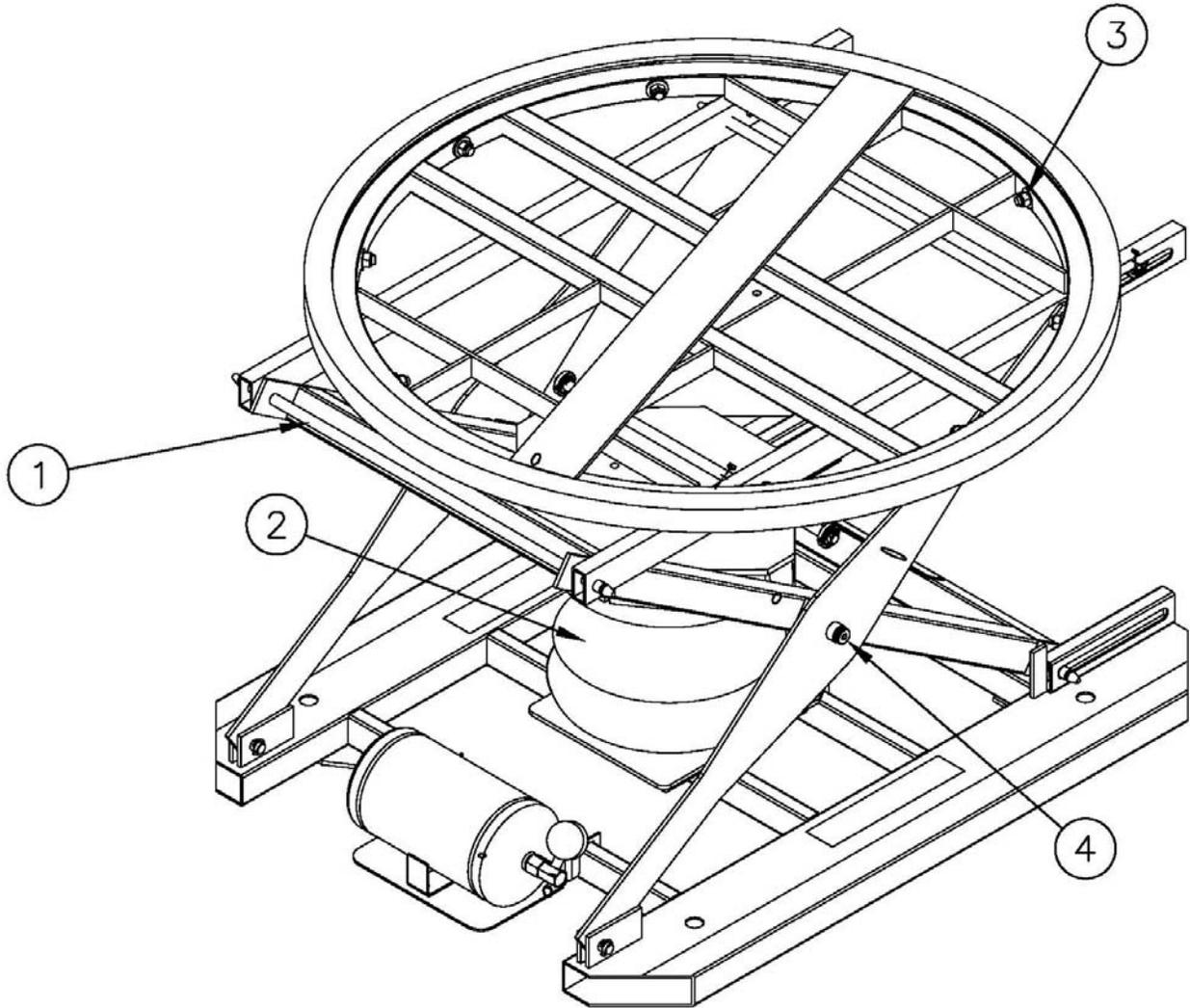
#### 6.2 AIR TANK ASSEMBLY PARTS LIST

Item	Part Number	Item Description	Qty.
1	054664-05-02	Pop-Safety Valve with Air Fill (Schrader) Valve	1
2	054664-02	Air Tank	1
3	054664-05-05	Air Pressure Gauge	1
4	054640	Air Line Kit	1

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**6. PARTS INFORMATION (CONTINUED)**

**6.1 FRAME ASSEMBLY PART DIAGRAM**



**6.2 FRAME ASSEMBLY PARTS LIST**

Item	Part Number	Item Description	Qty.
1	054662-10	Pivoting Axle	3
2	054667	Airbag	1
3	272989	Bearing	10
4	054662-06	Shoulder Bolt, 5/8" X 4-3/4" Lg	2