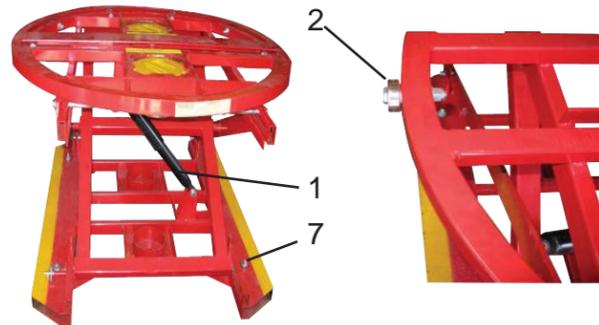


Troubleshooting

PROBLEM	CAUSE	CHECK
Unit lowers too easily.	Wrong spring configuration, springs too weak for load.	Check spring ratings, Refer to table 1A and 1B.
Unit lowers too hard.	Wrong spring configuration, springs too strong for load.	Check spring ratings, Refer to table 1A and 1B.
Top of unit rotates away from operator.	Unit may not be level.	Move to level surface or install operational leveling pads, P/N 273000.
Top of unit bounces.	Shock absorber damaged.	Replace shock absorber.
Excessive "Rumble" when in operation.	Damaged bearings under turntable.	Replace bearings.

Parts List

Item	Part No.	Description	Qty.
1	272988	Shock Absorber	1
2	272989	Bearing	16
3	272993	Spring: Black (not shown)	1
4	272994	Spring: $\bar{O}ia^{\wedge}$ (not shown)	1
5	272995	Spring: Ura} *^ (not shown)	1
6	272996	Kit: Hardware (not shown)	1
7	273000	Kit: Leveling Pad (optional)	1



Warranty Repairs

If unit does not work properly, contact your dealer or the factory (215-699-7031), within one year of purchase date.

Non-Warranty Service

For units older than one year, repairs can be made easily on site with factory supplied parts, or repairs can be made at the factory. **NOTE: Do not send units to the factory for service without obtaining a "returned materials authorization" (RMA) number from the service department. We will not be responsible for goods returned without proper authorization.**

To Purchase Parts

A complete parts list with drawings appears in this manual. **To order parts** contact the factory at the phone or fax numbers shown on page 1 of this manual. **Ask for the Customer Service Department.**

LIMITED WARRANTY

Wesco Industrial Products, Inc. (WESCO) warrants to the purchaser of this product for a period of one 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 in 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.



Industrial Products, Inc.
Pallet Leveler

Operating Instructions and Parts List

ATTENTION: To insure proper use of your WESCO Pallet Leveler, read these instructions thoroughly before using. It is important that all personnel involved with the installation, maintenance or operation of the Pallet Leveler read these instructions.

Specifications

Load Capacity: 400 to 4500 lbs., depending on springs
Load Size: 50" Wide x 50" Long x 72" High (max.)

WESCO Industrial Products, Inc.
1250 Welsh Road
North Wales, PA 19454
Tel: 215-699-7031 FAX: 215-699-3836

Contact the factory if you have start-up problems after reading these instructions, or for parts information and parts ordering.

Unpacking

When unpacking your unit, check carefully for shipping damage. If damage has occurred, file a claim with the delivering carrier within 24 hours and notify the dealer from whom the unit was purchased.

General Safety Information

WARNING: WESCO Pallet Leveler is designed to automatically maintain a load at the ideal height for loading or unloading. To insure proper use, the following instructions must be adhered to:

1. Wear safety glasses and gloves when setting up and operating your Pallet Leveler.
2. Do not exceed the rated capacity. The rated capacity is the total weight of both the pallet and the load.
3. Do not use this unit with damaged or broken pallets.
4. Never operate the unit if the load is off center.
5. Never sit or ride on the turntable.
6. Keep a safe distance from the the turntable when it is moving.
7. When installing the first (black) spring, have an additional person to assist.
8. When installing the first (black) spring, use the shock absorber pivot pin to support the frame (Figure 1). This will prevent the frame from a sudden drop.
9. Make sure after installing springs that they are seated properly and that the spring locks are in place.

10. When placing load on unit, make sure the unit is supporting the weight, not the fork lift, before removing the fork lift.
11. 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.
12. Never move the Pallet Leveler when it is loaded. This would damage the base frame since the fork pockets are designed to support the weight of the unit, not the extra load weight.

Start-up

1. Choose the place where you want to mount the unit. The Pallet Leveler must be set up on a clean and flat surface. Use optional leveling pads P/N 273000 to compensate for uneven floors.
2. Remove the plastic ties which secure the unit to the base frame. Unpack three springs. Remove all packing materials.
3. Check that frame of the unit is sitting firmly on the floor. Pallet Leveler must be stable and level. If unit is not level within 1/2" you must use the optional leveling pads P/N 273000.
4. Remove the springs and place them on the floor.

Installing the springs:

1. The Pallet Leveler can handle loads up to 4500 lbs. In order to adjust the Pallet Leveler to adapt to different loads, the springs are changed per the weight and height of the fully loaded pallet. The Pallet Leveler may have one to three springs, depending on the load.

- When the pallet weight or pallet height is changed, the springs may also need to be changed, to adjust the Pallet Leveler to the correct pallet load. Tables 1A and 1B show how the springs are selected. Each spring is color coded to identify the proper selection. Every Pallet Leveler will always have one spring. This spring has the largest diameter of the three and is black in color. The black spring is always positioned near the rear of the unit, which is closest to the hinge. Figure 2 shows the position of the black spring and any additional springs which may be required.
- Check to be sure you have the correct springs. Calculate the weight of a fully loaded pallet, including the weight of the pallet. Measure the height of the fully loaded pallet. Refer to Tables 1A and 1B to check if you have the correct spring configuration for your application.
- Lift the rotating ring away from the frame. This will require two people
- The shock absorber is attached to the frame of the Pallet Leveler with a pivot pin, which is held in place by a linch pin. This pivot pin (also called a maintenance pin) is used during spring installation to hold the table frame in the raised position. Remove the linch pin and the pivot pin. Lay the free end of the shock absorber down.
- Lift the top part of the frame as far as it will go. Insert the shock absorber pivot pin (maintenance pin) into the lower roller guide. This will require two people.

WARNING: The pivot pin (maintenance pin) is designed to hold the frame of the Pallet Leveler while you insert the first spring. If you do not use it, an unsafe condition will occur while inserting the spring, as the frame of the Leveler may suddenly drop.

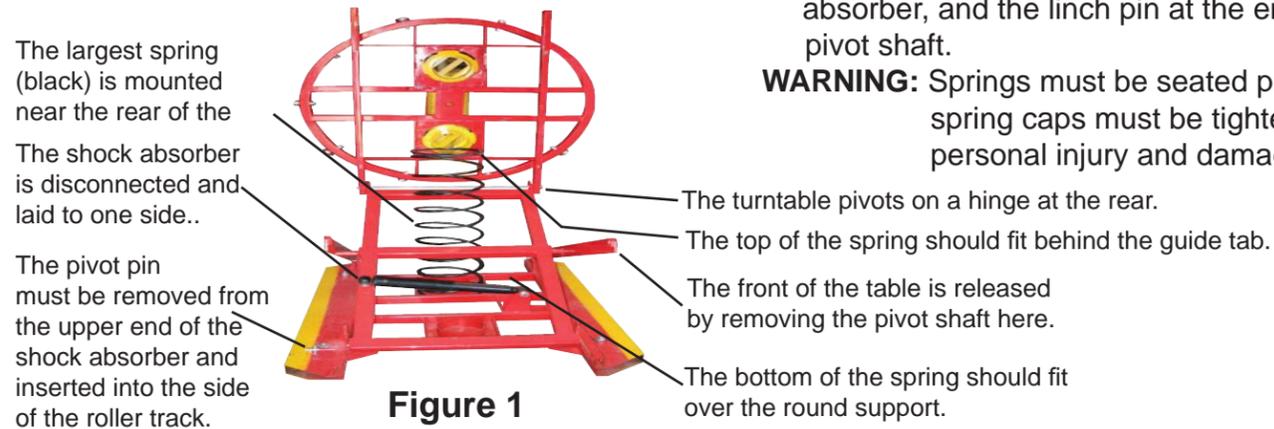


Figure 1

- Disconnect the front end of the table assembly so you can tilt the table top back. The front end of the assembly is held in place by a pivot shaft. This shaft supports two rollers (located in the guide slots of the frame) and is secured by a retaining ring. Remove the retaining ring and slide the pivot shaft out. Have additional personnel support the top of the frame assembly as you remove the pivot shaft.
- Tilt the top frame assembly back as shown in fig. 1. Install the largest spring (black); this spring should be installed in the back of the unit, closest to the hinge. The bottom of the spring should fit over the round support on the base frame. The top should fit behind the small guide shown in fig. 1. When the spring is installed, slowly lower the table top. Check each end of the spring to be sure it has seated correctly.
- As additional personnel support the weight of the frame, align the holes in the frame and slide the pivot shaft back into position, making sure the roller wheels are in the guide slots. Install retaining ring to hold pivot shaft in place.
- The black spring will hold the unit up. Re-assemble the shock absorber by inserting the pivot pin and linch pin. Re-install the rotating ring on the top frame; make sure the ring can rotate. Table 1A & 1B may indicate that one or two additional springs must be installed. To add additional springs, remove the spring caps and insert the springs through the top of the unit. See figure 2 for proper spring placement. To remove a spring cap, turn the cap counterclockwise and lift upward. Insert the spring through the opening. Replace the spring cap and turn clockwise to lock it in place.
- Make sure that each of the spring caps is firmly in place. Inspect the top and bottom of each spring and make sure the springs are seated correctly. Inspect the linch pin at the top of shock absorber, and the linch pin at the end of the pivot shaft.

WARNING: Springs must be seated properly, and the spring caps must be tightened to avoid personal injury and damage to load.

REAR = HINGE END

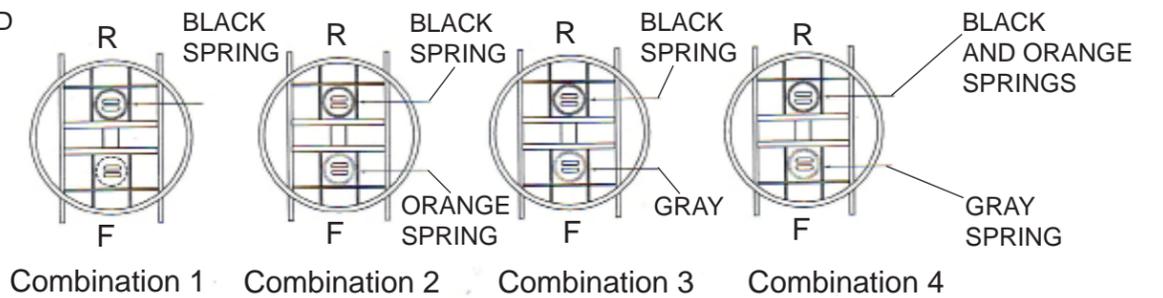


Figure 2

Height of loaded pallet in inches (load and pallet)	WEIGHT OF LOADED PALLET IN POUNDS (LOAD AND PALLET)										
	0-400	400-800	800-1200	1200-1600	1600-2000	2000-2400	2400-2800	2800-3200	3200-3600	3600-4000	4000-4500
58-60 in.	-	-	1	1	1	1	2	2	2	3	3
56-58 in.	-	-	1	1	1	2	2	2	2	3	3
54-56 in.	-	-	1	1	1	2	2	2	2	3	3
52-54 in.	-	1	1	1	1	2	2	2	2	3	3
50-52 in.	-	1	1	1	1	2	2	2	3	3	3
48-50 in.	-	1	1	1	1	2	2	2	3	3	4
46-48 in.	-	1	1	1	1	2	2	3	3	3	4
44-46 in.	-	1	1	1	2	2	2	3	3	3	4
42-44 in.	-	1	1	2	2	3	3	3	3	4	4
40-42 in.	-	1	1	2	2	3	3	3	4	4	4
38-40 in.	-	1	1	2	2	3	3	4	4	4	4
36-38 in.	-	1	1	2	2	3	4	4	4	4	4
34-36 in.	1	1	2	2	3	3	4	4	4	4	-
32-34 in.	1	1	2	3	3	4	4	4	4	-	-
30-32 in.	1	1	2	3	3	4	4	4	4	-	-

**TABLE 1A
SPRING SELECTION CHART**

- Using Table 1A, find the correct spring combination.
- In Table 1B find the springs included in the combination.

RANGE	SPRING REQUIRED
1	1 BLACK
2	1 BLACK AND 1 ORANGE
3	1 BLACK AND 1 GRAY
4	1 BLACK, 1 ORANGE AND 1 GRAY

**TABLE 1B
SPRING COMBINATIONS**

Operation

- Place pallet on unit, add load until pallet is full. The Pallet Leveler will gradually lower the pallet until it reaches the bottom.
- When removing the load the Pallet Leveler will gradually raise the pallet.
- When loading the pallet with a fork truck make sure the Pallet Leveler is carrying the weight, not the fork truck, and the unit is fully compressed.
- Make sure the load is centered on the unit before removing the fork truck.
- When removing the load with a fork truck, insert the forks into the pallet and lift the pallet clear of the top of the unit. Raise the pallet until the springs on the Pallet Leveler are fully extended. Make sure the pallet clears the top of the turntable before you move the fork truck.
- To relocate the Pallet Leveler, remove load from the top of the unit. Using a fork truck, insert the forks into the fork pockets in the base frame.