



# Vestil Manufacturing Corp.

*A company dedicated to solving loading dock and material handling problems since 1955.*

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## Mechanical Edge-O-Dock Levelers

**FM-0648, FM-2066, FM-2072, FM-2078, FM-2566, FM-2572, FM-3066, FM-3072**



Model FM-2066

### Receiving instructions:

After delivery, remove the packaging from the product. Inspect the product to determine whether it sustained damage during transport. If damage is discovered, record a complete description of it on the bill of lading and file a claim with the carrier immediately! If the product is undamaged, discard the packaging.

### NOTE:

The end user is solely responsible for confirming that product design, use, and maintenance comply with laws, regulations, codes, and mandatory standards applied where the product is used.

### Replacement Parts and Technical Assistance:

If you have questions that are not addressed in these instructions, or to order replacement parts, labels, and accessories, call (260) 665-7586 and ask for the Service and Parts Department. You can also reach Service and Parts online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm).

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**SIGNAL WORDS**

This manual uses SIGNAL WORDS to direct the reader’s attention to important safety-related messages. These messages describe uses of the product that could result in personal injury or property damage. Each signal word corresponds to a specific hazard level. The following are definitions of signal words that might appear in this manual.



Identifies a hazardous situation which, if not avoided, WILL result in DEATH or SERIOUS INJURY. Use of this signal word is limited to the most extreme situations.



Identifies a hazardous situation which, if not avoided, COULD result in DEATH or SERIOUS INJURY.



Indicates a hazardous situation which, if not avoided, COULD result in MINOR or MODERATE injury.



Identifies practices likely to result in product/property damage, such as operation that might damage the product.

**HAZARDS**

Vestil Manufacturing strives to identify all foreseeable hazards associated with the use of its products. However, material handling is dangerous and no manual can address every risk. Ultimately, the most effective way to prevent injury is for persons who use this dock leveler to apply sound judgment whenever using this device.



Improper or careless operation of this device might result in serious personal injuries.

- **Read and understand this entire manual before installing, assembling, using or servicing this dock leveler.** Keep this manual in a location known to persons who use the dock leveler. Read the manual whenever necessary to refresh your understanding of proper use, inspection, and maintenance procedures.
- The Edge-O-Dock Leveler presents falling, pinch point, and impact hazards to the user and bystanders. ALWAYS follow these instructions to avoid injury.
- DO weld the dock leveler securely to the dock face before use. DO anchor the dock leveler to the dock if necessary. See the Installation Instructions starting on [page 5](#).
- DO NOT install the dock leveler in a dock that is not flat and level. It is acceptable for the driveway surface below the dock to be inclined towards or away from the dock edge.
- DO inspect the dock leveler for damage or defects prior to use every day. DO NOT use a dock leveler that is damaged or is not working properly.

- DO NOT use a dock leveler that has not been welded continuously across its top edge to the dock face. DO NOT use a dock leveler if any welds are cracked.
- DO NOT use a dock leveler that rocks or shifts when a load is placed on it. Remove it from service until it can be repaired.
- DO wear appropriate PPE. At a minimum, use footwear compliant with ASTM F2413 (formerly ANSI Z41-1999) and eye guards compliant with ANSI Z87.1-2010.
- DO NOT use the dock leveler if you tire quickly or easily, or if you have experienced fainting spells. DO NOT use the dock leveler if you are under the influence of alcohol, medication, or other substances that affect your balance or coordination. Only use the dock leveler if you are in good physical health.
- DO NOT use a handle other than the factory-supplied handle to extend the dock leveler.
- DO maintain a firm footing when operating the dock leveler.
- DO NOT attempt to extend the dock leveler if no trailer is present in the dock, as the operator can lose his balance.
- DO NOT extend the dock leveler while people in the truck bay are within reach of the unit.
- DO NOT store items on the dock leveler. DO NOT attempt to use the dock leveler if objects are on top of it. ALWAYS check the dock leveler for foreign objects before use. Only use this item as intended.
- DO NOT exceed the load limit for the dock leveler. The load limit is printed on the nameplate label, found on the right-hand side of the deck weldment.
- DO NOT force the lip plate to extend using your hands or other mechanical means. Remove it from service until it can be repaired.
- DO inspect the dock leveler as described in Inspections & Maintenance on [page 17](#). DO NOT use the dock leveler unless it is in normal condition. ONLY use manufacturer-approved replacement parts if repairs are necessary.
- DO NOT use this product UNLESS every label shown in the labeling diagram on [page 19](#) is in place, undamaged, and easily readable.
- DO NOT modify the dock leveler in any way without express, written approval from Vestil Manufacturing. Unapproved modifications automatically void the Limited Warranty on [page 20](#) and can make the product unsafe to use.

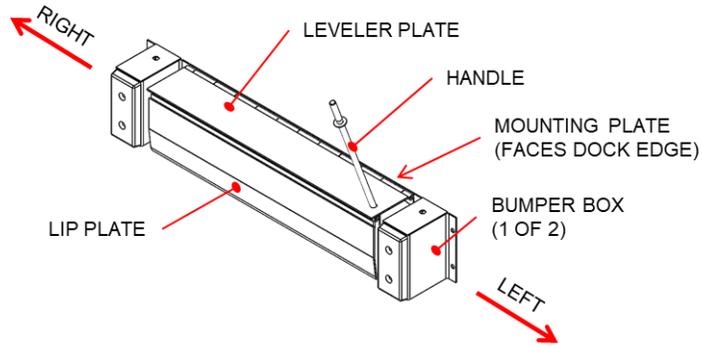
## **MODEL NUMBER AND CAPACITIES**

The model number, serial number and capacities are printed on the nameplate label, located on the left side panel of the deck weldment (left and right correspond to those of the trailer). Include the model and serial numbers in any correspondence with your dealer or the factory.

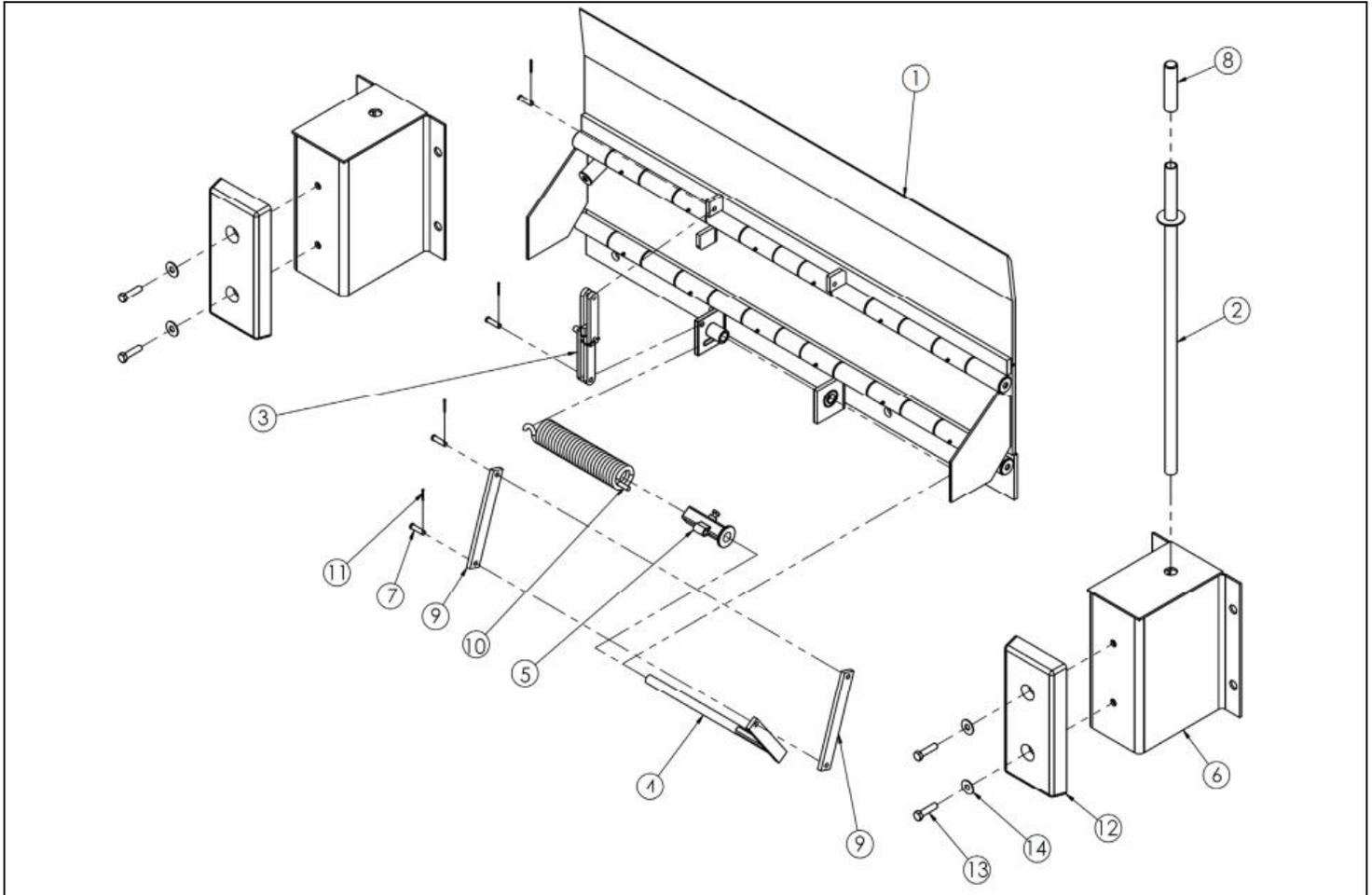
The load capacity rating as printed on the nameplate of your unit designates its net capacity. This capacity must never be exceeded, as permanent damage or personal injury may result.

## MAJOR COMPONENTS AND ORIENTATION

Refer to this drawing to identify the major components of your Edge-O-Dock Leveler. In this manual, “right” and “left” will always correspond to the right and left sides of a trailer parked at the dock.



## EXPLODED PARTS DIAGRAM AND BILL OF MATERIAL



Item no.	Vestil p/n	Description	Qty
1	07-513-077	WELDMENT, ASSEMBLY, DECK	1
		FM-0648	
	07-513-007	FM-2066	
	07-513-006	FM-2072	
	07-513-079	FM-2078	
	07-513-013	FM-2566	
	07-513-012	FM-2572	
	07-513-075	FM-3066	
	07-513-074	FM-3072	
2	07-525-004	ASSEMBLY, HANDLE	1
3	07-516-008	ASSEMBLY, LINK ARM	1
4	07-612-001	ASSEMBLY, PIN, SPRING RETAINER	1
5	07-518-009	ASSEMBLY, TORSION TUBE, SPRING TENSIONER	1
6	07-514-001	WELDMENT, 13" BUMPER BOX	2
7	21-112-003	PIN, 1/2" X 1-15/16" RETAINING CLEVIS PIN	4
8	07-025-005	HANDLE, BLACK RUBBER, 6"	1
9	07-040-003	LEVER, SPRING LINKAGE BAR	2
10	07-146-009	SPRING	1
11	65078	EXTENDED PRONG COTTER PIN, ZINC FINISH 1/8" X 1-1/2"	4
12	29-001-001	SPECIALTY MOLDED RUBBER BUMPER	2
13	11311	BOLT, HHCS, #5 PLAIN 5/8"-11 X 2"	4
14	33016	FLAT WASHER, LOW CARBON, USS ZINC PLATED, 5/8"	4

## **INSTALLATION INSTRUCTIONS**

Read all instructions carefully before unpacking and installing your Edge-O-Dock leveler. Follow these instructions carefully.

**BEFORE YOU BEGIN.** The procedure for installing an Edge-O-Dock dock leveler depends on the dock height and the construction of the dock edge. This manual assumes an optimum dock height of 50".

The preferred dock edge construction is a well-anchored six-inch steel channel, 1/4" thick, embedded and anchored in the dock edge. This feature allows the dock leveler to be welded into position. This also allows you to install an approach ramp to increase the dock leveler's height.

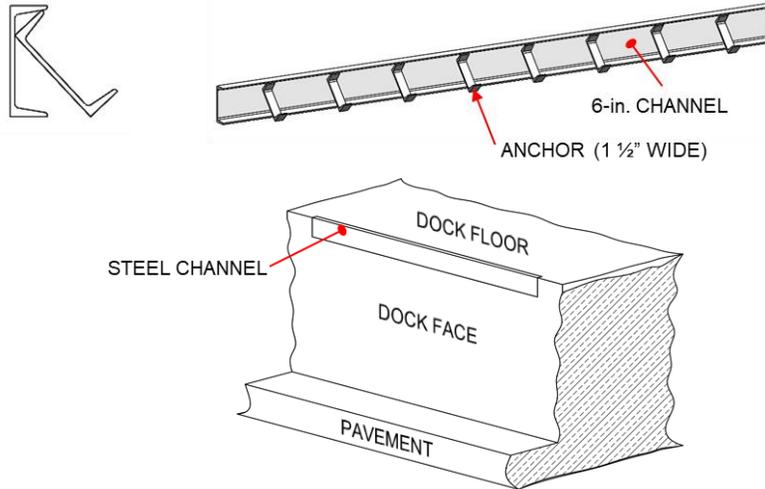
With a shorter steel dock edge, concrete anchors will be required in addition to welding.

If no steel edge is present, a steel approach plate must be anchored to the floor to provide a welding surface.

DO NOT use a dock leveler that has not been welded to the dock. **FAILURE TO FOLLOW THE PROPER INSTALLATION PROCEDURE WILL DECREASE THE CAPACITY OF DOCK LEVELER.**

**RECOMMENDED DOCK EDGE FOR NEW CONSTRUCTION.** The recommended dock edge for new construction is a well-anchored 6-inch channel with a minimum thickness of ¼ inch (C6x8.2). Anchors must be made from 1 ½” lengths of 6-inch channel, welded inside the channel at a 12-inch pitch.

The CE curb edge option is available through your Vestil distributor.

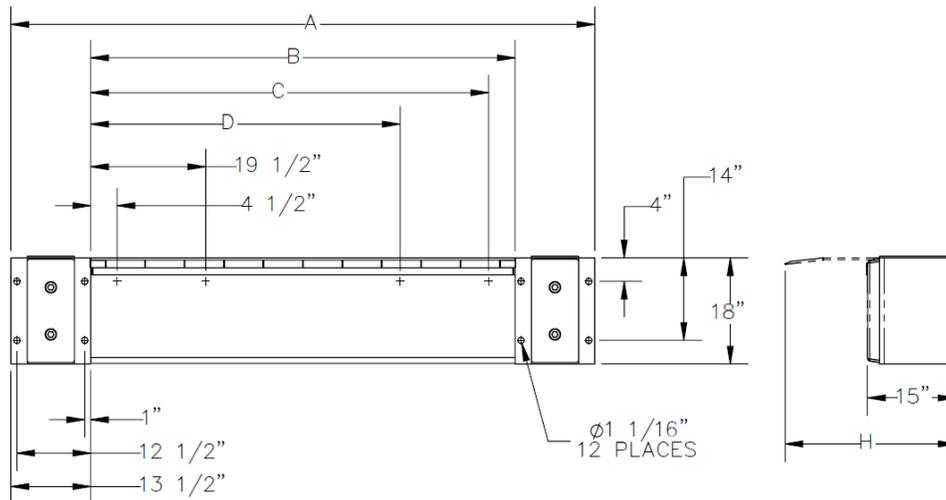


**TOOLS AND SUPPLIES NEEDED.** The following tools and supplies will be needed for the installation. These are not supplied with the product.

- Tape measure
- Forklift with a lift boom
- Air or electric grinder
- Arc welder
- 1-1/2” open-end wrench or pipe wrench
- ¾” open-end wrench, box wrench, or socket wrench (19 mm will also work)
- Rotary hammer drill \*
- 3/4” x 5” concrete anchors (up to 14 needed, depending on dock construction) \*
- Approach ramp (for docks under 50” tall) \*
- Approach plate (for docks not having a steel edge) \*

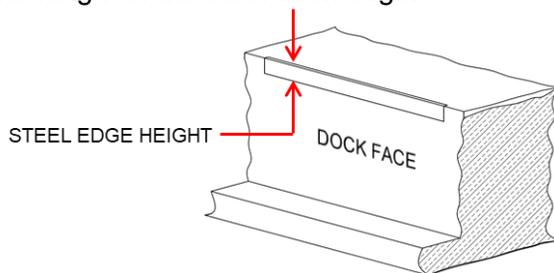
\* item depends on condition of dock edge

**MOUNTING DIMENSIONS**



Model	A	B	C	D	H	Weight	Capacity
FM-0648	75"	48"	43 1/2"	28 1/2"	28 11/16"	321 lb	6000 lb
FM-2066	93"	66"	61 1/2"	46 1/2"	29"	483 lb	20,000 lb
FM-2072	99"	72"	67 1/2"	51 1/2"	29"	523 lb	20,000 lb
FM-2078	105"	78"	73 1/2"	58 1/2"	29"	537 lb	20,000 lb
FM-2566	93"	66"	61 1/2"	46 1/2"	29"	545 lb	25,000 lb
FM-2572	99"	72"	67 1/2"	51 1/2"	29"	577 lb	25,000 lb
FM-3066	93"	66"	61 1/2"	46 1/2"	29 13/16"	632 lb	30,000 lb
FM-3072	93"	66"	61 1/2"	46 1/2"	29 13/16"	672 lb	30,000 lb

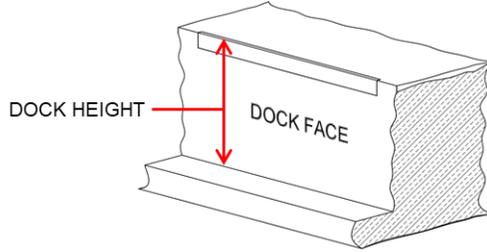
**STEP 1. Measure the height of the steel dock edge.**



- Height of steel edge is 6" or greater ... .. Proceed to [Steps 2-7 \(p.7\)](#)
- Height of steel edge is less than 6" ... .. Proceed to [Steps 8-14 \(p.9\)](#)
- No steel dock edge present ... .. Proceed to [Steps 15-26 \(p. 11\)](#)

All installations will conclude with steps [27-37 \(p. 13\)](#).

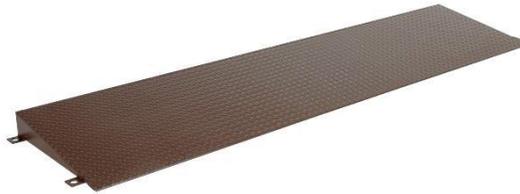
**STEP 2 (docks with a steel edge 6" or greater).** Measure the height of the dock, from the edge of the dock to the driveway surface below the dock edge.



- Height of dock edge is 50"±1"\* ... .. Proceed to Step 4
- Height of dock edge is less than 50", but no less than 46" ... Proceed to Step 3
- Height of dock edge is less than 46" ... .. Not recommended

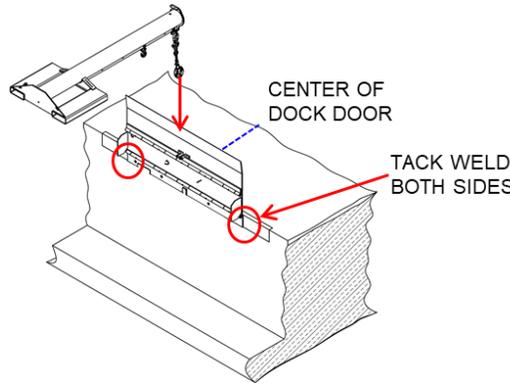
\* Assumes an optimal dock height of 50"

**STEP 3.** For docks lower than 50" tall, install a 2" or 4" tall steel approach ramp for your dock leveler (not included with product). Select the approach ramp that sets the dock height to 50"±1". The dock leveler provides a smooth transition from the dock floor to the top of the leveler. Follow the manufacturer's instructions for installation. Contact your Vestil distributor to select the approach ramp that best fits your application.

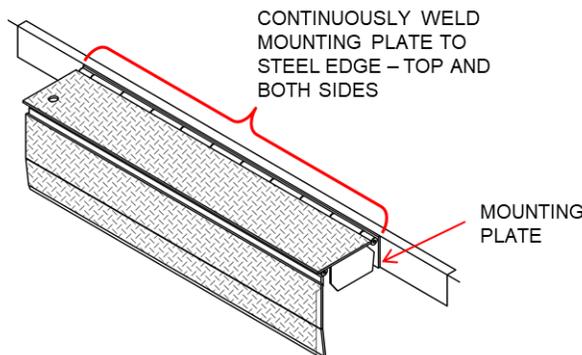


**STEP 4.** Remove all material and protrusions from the dock face.

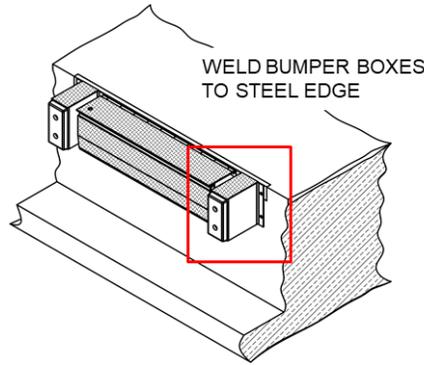
**STEP 5.** Center the leveler in the doorway of the dock, with the top edge of the mounting plate even with the edge of the dock or the approach ramp (if installed). Tack weld the mounting plate at each end.



**STEP 6.** Weld the mounting plate to the dock edge. Have a qualified welder apply a continuous weld completely around the top and both sides of the mounting plate.

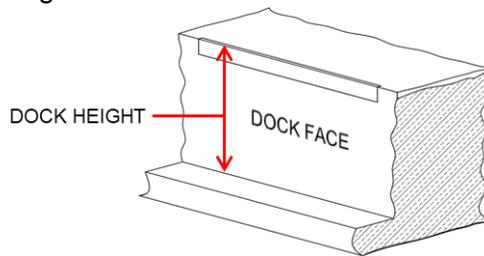


**STEP 7.** Weld the bumper boxes to the dock edge. Apply a continuous weld across the top and down both sides of each bumper box as far as the bottom of the steel dock edge.



[Proceed to Step 27](#) to complete the installation (p. 13).

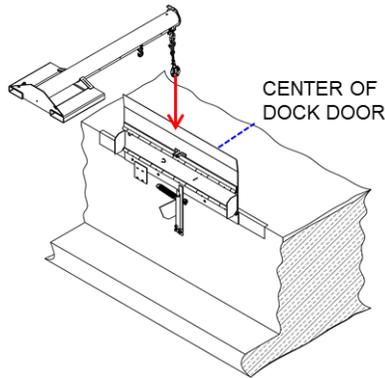
**STEP 8 (docks with a steel edge less than 6”).** Measure the height of the dock, from the edge of the dock to the driveway surface below the dock edge.



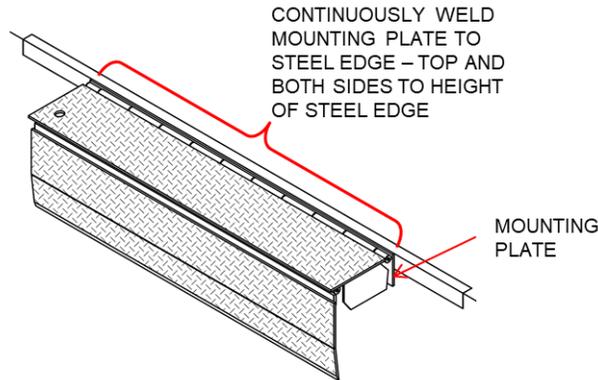
Height of dock edge is 50"±1",	...	...	...	Proceed to Step 9
Height of dock edge is less than 50"	...	...	...	Installation not recommended

**STEP 9.** Remove all material and protrusions from the face of the dock.

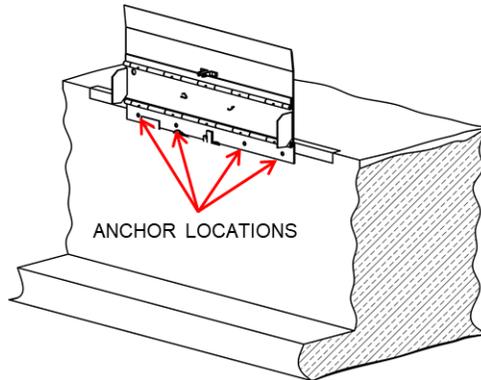
**STEP 10.** Center the leveler in the doorway of the dock, with the top edge of the mounting plate even with the edge of the dock or the approach ramp (if installed). Tack weld the mounting plate at each end.



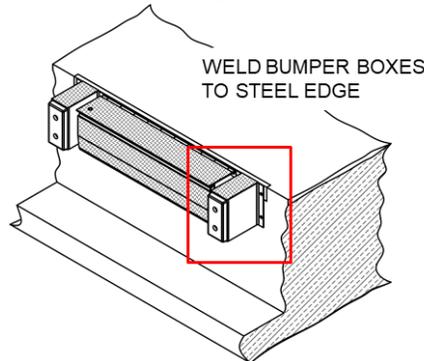
**STEP 11.** Weld the mounting plate to the dock edge. Have a qualified welder apply a continuous weld over the top edge of the mounting plate, and down both sides of the mounting plate to the bottom of the steel edge.



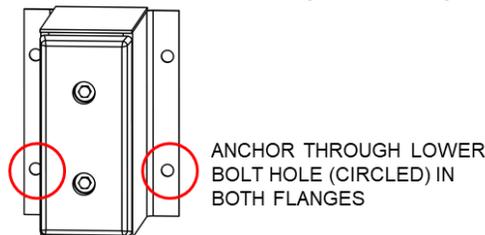
**STEP 12.** Install four 3/4"x5" anchors into the dock through the holes in the mounting plate into the dock.



**STEP 13.** Weld the bumper boxes to the dock edge. For each box, apply a continuous weld across the top, and down both sides to the bottom of the steel dock edge.



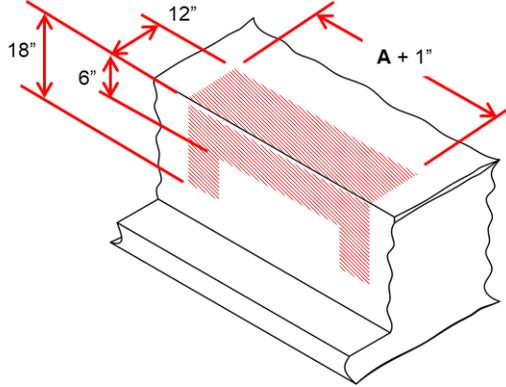
**STEP 14.** Install a single 3/4"x5" anchor into the dock through the flange of each bumper box.



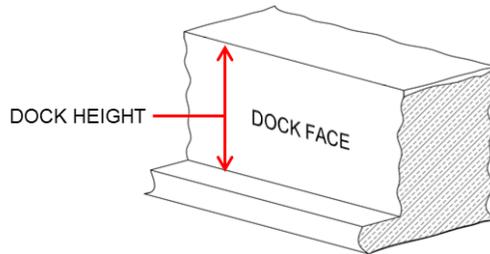
[Proceed to Step 27](#) to complete the installation.

**STEP 15 (docks with no steel edge).** You must install a steel approach plate (not included with product) to provide a welding surface for the dock leveler. Select the approach ramp that sets the dock height to  $50'' \pm 1''$ . DO NOT operate a dock leveler that has not been welded to the dock. Contact your supplier or Vestil Manufacturing to select the approach plate suitable for your application.

**STEP 16.** Make sure the dock face and dock floor are smooth. Remove all material and protrusions from the dock face and dock floor in the region depicted in the illustration. Dimension "A" is found in the [MOUNTING DIMENSIONS on page 7](#).



**STEP 17.** Measure the height of the dock, from the edge of the dock to the driveway surface below the dock edge.

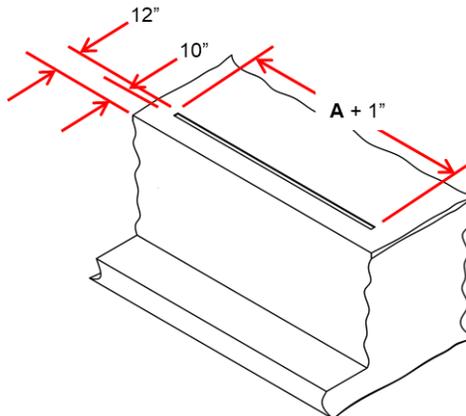


Height of dock edge is $50'' \pm 1''$ ,	...	...	...	Proceed to Step 18
Height of dock edge is less than 50"	...	...	...	Installation not recommended

**STEP 18.** Determine if cartons or pallets will slide across the dock leveler into a truck.

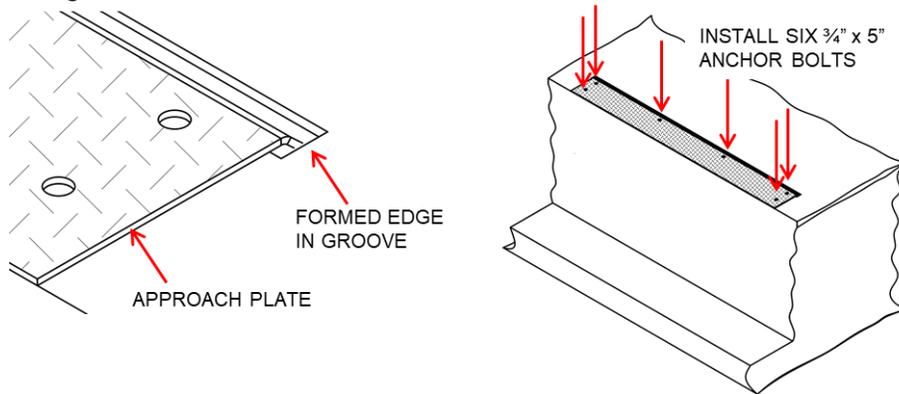
Cartons and pallets will slide across dock leveler	Proceed to Step 19
Only rolling traffic will cross the dock leveler	Proceed to Step 21

**STEP 19.** The approach plate must be recessed into the dock floor to allow objects to slide across the ramp. Locate and mark the center of the dock where the ramp is to be mounted. Mark two chalk lines parallel to the dock edge, one at 10" and the other at 12". Each will be 1" longer than the approach plate

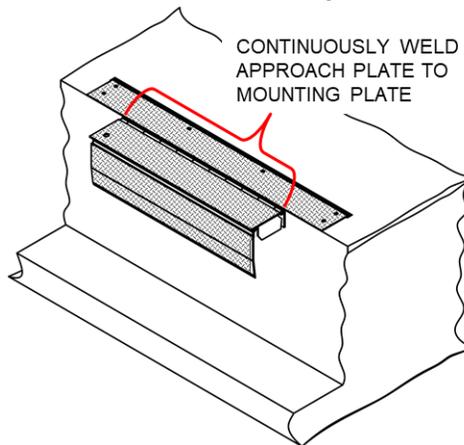


**STEP 20.** Use a rotary hammer drill to cut a groove, 2" wide and  $3/8''$  deep, between the chalk lines.

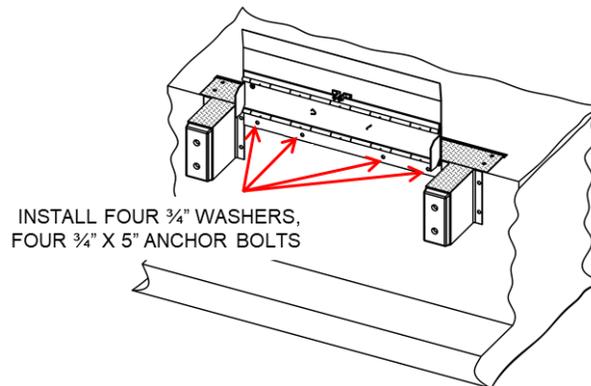
**STEP 21.** Set the approach plate on the dock surface, Place its beveled edge in the groove. Adjust plate position so that the opposite edge is flush with the dock face. Then, anchor the plate to the floor with six  $\frac{3}{4}$ " x 5" anchor bolts. Do not tighten the bolts at this time.



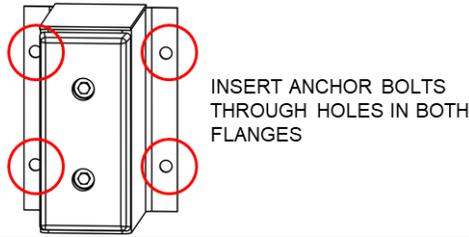
**STEP 22.** Tack-weld the mounting plate to the approach plate at both ends. The tops of the mounting plate and approach plate should be flush and level. Have a qualified welder apply a continuous weld between the mounting plate and the edge of the approach plate. Chip and grind as required.



**STEP 23.** Use four  $\frac{3}{4}$ "x5" anchor bolts with four  $\frac{3}{4}$ " flat washers to attach the dock leveler to the dock face. Do not tighten the bolts at this time.



**STEP 24.** Install a dock bumper on each side of the leveler. Holding the box in position, first weld its top edge to the approach plate. Next, insert  $\frac{3}{4}$ " x 5" anchor bolts, backed by  $\frac{3}{4}$ " flat washers, through each of the four flange holes. Do not tighten the bolts at this time.

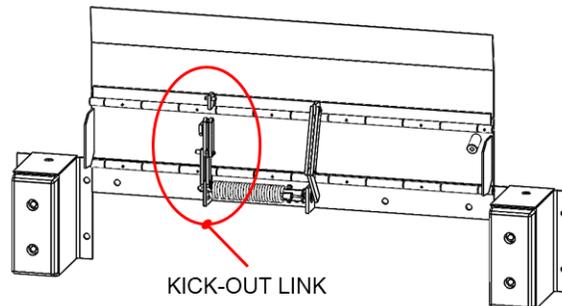


**STEP 25.** Tighten the anchor bolts in this order: mounting plate to dock face (four total); bumper box to dock face (eight), and; approach plate to dock floor (six).

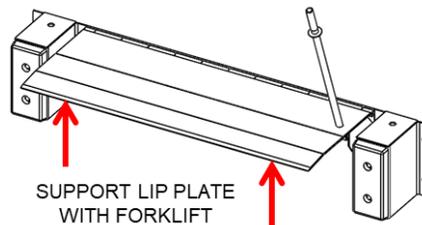
**STEP 26.** Weld the anchor bolts to the approach plate. Use a grinder to round the bolt heads smooth.

Proceed to Step 27 to complete the installation

**STEP 27 (completing the installation).** Your Edge-O-Dock leveler is shipped with its kick-out link disconnected from the lip plate. This must be installed for the dock leveler to function properly. The kick-out link is on the right side (with respect to the trailer) of the dock leveler.



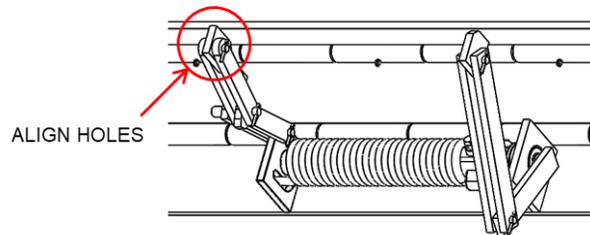
**STEP 28.** Position a lift truck to lift the lip plate to a horizontal position.



**⚠ WARNING** DO NOT work directly under lift truck forks.

**STEP 29.** Remove the cotter pin and the clevis pin from the loose end of the kick-out link.

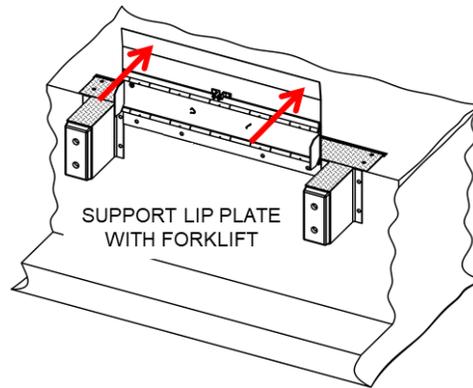
**STEP 30.** Align the ends of the kick-out link with the mounting bracket on the lip plate. It may be necessary to adjust the lip plate height so the kick-out link can reach this bracket.



**STEP 31.** Insert the clevis pin through the aligned holes. Secure with the cotter pin.

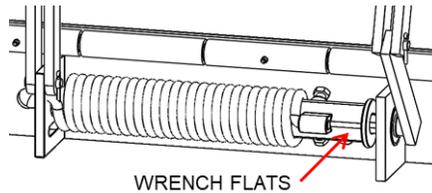
**STEP 32.** The Edge-O-Dock leveler incorporates a spring counterweight to reduce the effort required to lift the dock plate. The spring must be tensioned at initial installation. This task requires two people to complete.

**STEP 33.** Insert the handle into the socket in the leveler plate. Pull the handle away from the door and push down to lift the leveler plate to a vertical position. Have a second person position a lift truck so that the forks support the lip plate and hold the leveler plate in the vertical position.



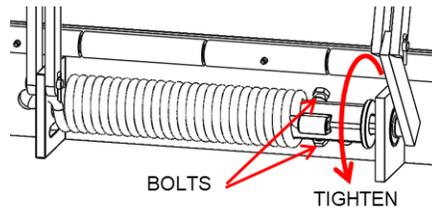
**WARNING** DO NOT work directly under lift truck forks.

**STEP 34.** Have one person place a 1-1/2" wrench on the spring winding tube flats. This person will tighten the spring and maintain tension on the spring through the tightening process. Be sure to maintain a good grip on the wrench as to not lose spring tension.



**WARNING** DO NOT use an adjustable wrench for this process.

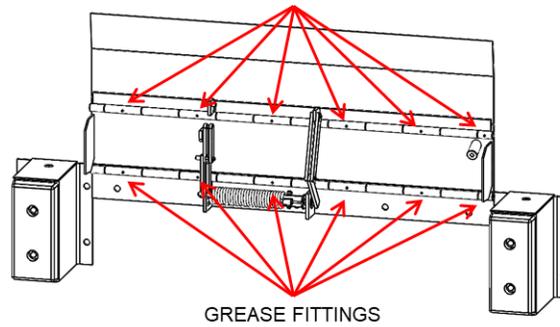
**STEP 35.** Have the second person use a 3/4" wrench to loosen the two bolts on the spring winding tube. The first person will then pull his wrench a quarter-turn in the indicated direction to add tension. Re-tighten the two bolts on the flats of the interior bar.



*NOTE: for increased leverage, a third person can use a 1" schedule 40 pipe over the knob on the winding tube to apply tension.*

**STEP 36.** Test the tension. If the lip plate does not completely rise, more tension is needed. If the lip plate bounces or floats when the lip is extended, there is too much lifting tension. Repeat Steps 34 and 35 until the proper spring tension is achieved.

**STEP 37.** Use a grease gun to apply a general-purpose grease lubricant to both hinges on the dock leveler. Grease fittings are located on the bottom sides of both hinges. Once lubricated, the Edge-O-Dock leveler is ready for use.



## **RECORD OF SATISFACTORY CONDITION**

After assembling and installing the dock leveler, and before using it for the first time, make a record describing its appearance. Thoroughly photograph the unit from multiple angles, including all welds and anchor points, and all labeling applied to it. Describe where each label is located. Collect all photographs and records into a file. Mark the file appropriately to identify it. This record documents satisfactory condition. Compare the results of future inspections to this record to determine if the unit is in satisfactory condition. Do not use it unless it is in satisfactory condition. Purely cosmetic changes, like damaged paint or powder coat, do not constitute changes from satisfactory condition. However, touchup paint should be applied to all affected areas as soon as damage occurs.

## **OPERATION INSTRUCTIONS**

1. Slowly back the trailer up against the bumper boxes. Turn the engine off and set the truck's emergency brake. Position wheel chocks and trailer jacks (not included with this product) per OSHA requirements to prevent trailer movement.



2. Remove the handle from the bumper box. Insert it into the socket on the left side of the leveler plate.



3. Pull the handle back until the leveler plate is vertical and the lip plate is fully extended.



**WARNING**

DO NOT extend the dock leveler without a trailer present in the dock, as the operator can lose his balance.

4. Push the handle forward. The lip plate will come to rest on the bed of the trailer.



**WARNING**

Personnel on or around the trailer shall STAY CLEAR by at least 10 feet from the dock leveler when it is being placed in a trailer.

5. Remove the handle from the leveler plate and return it to the bumper box.



6. When finished unloading and loading the trailer, simply remove the chocks and drive the trailer away. The Edge-O-Dock will return to its stowed position.

## **INSPECTION AND MAINTENANCE**

Proper maintenance is essential for maximizing the service life of the unit. If an inspection reveals any irregularities in the condition of the unit, repair it before returning it to service. Only use manufacturer-approved replacement parts. Contact Technical Service if you have questions that are not addressed in these instructions or if you are uncertain how to address an issue discovered during an inspection. Technical Service can be reached by calling (260) 665-7586 and asking for the Service and Parts Department or by submitting questions online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm).

**1. Initial inspection.** Prior to use, any new, altered, modified, or repaired dock leveler shall be inspected by a qualified person. Examine the unit for damage such as cracked metal, cracked welds, severe rusting or corrosion. Repair damaged welds. Appropriately patch damaged metal. Closely examine the mounting plates and anchor points, since they are in direct contact with the dock. Make sure that all anchor bolts are tightly fastened to the dock. Check for free motion in the hinges. Apply a general-purpose grease lubricant through the grease nipples in both hinges. Check hinges for freedom of motion. Make sure all labels are in place & in easily readable condition. See Labeling diagram on [p. 19](#).

**2. Frequent inspection.** At the beginning of every shift, a designated person shall clean dirt, debris, and fluids from the tread plate surfaces.

**3. Periodic inspection.** Monthly inspections by a qualified person are recommended for normal use of the dock leveler.

3.1. Examine the unit for damage such as cracked metal, cracked welds, severe rusting or corrosion. Repair damaged welds. Appropriately patch damaged metal. Closely examine the mounting plates and anchor points, since they are in direct contact with the dock. Gently remove any rust/corrosion and clean the affected areas. Apply touchup paint to the areas as soon as they dry.

3.2. Make sure that all anchor bolts are tightly fastened to the dock.

3.3. Clean dirt and debris from all surfaces to keep the finish in good condition. Slippery substances, such as grease and oil, must be cleaned from the unit as soon as contact occurs. Apply touchup paint to all areas where the finish is damaged.

3.4. Check for free motion in the hinges. Apply a general-purpose grease lubricant through the grease nipples in both hinges. Check hinges for freedom of motion.

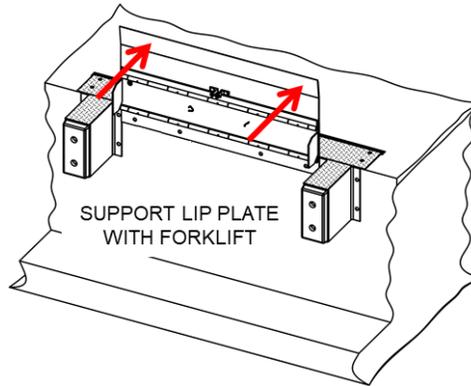
3.5. Check the spring tension by operating the dock leveler. See [page 18](#) for instructions on adjusting spring tension.

3.6. Make sure all labels are in place and are in a readable condition. See the Labeling diagram on [p.19](#).

## **ADJUSTING SPRING TENSION**

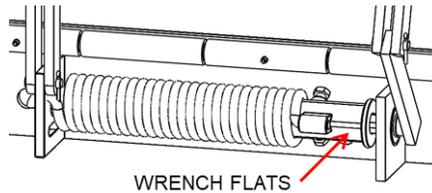
The Edge-O-Dock leveler incorporates a spring counterweight to reduce the effort required to lift the dock plate. It may be necessary to adjust the spring tension occasionally. This task requires two people to complete.

**STEP 1.** Insert the handle into the socket in the leveler plate. Pull the handle away from the door and push down to lift the leveler plate to a vertical position. Have a second person position a lift truck so that the forks support the lip plate and hold the leveler plate in the vertical position.



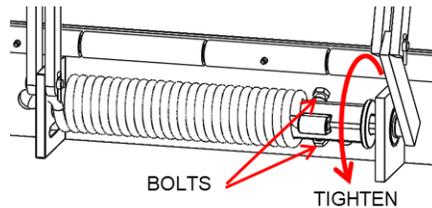
**WARNING** DO NOT work directly under lift truck forks.

**STEP 2.** Have one person place a 1-1/2" wrench on the spring winding tube flats. This person will tighten the spring and maintain tension on the spring through the tightening process. Be sure to maintain a good grip on the wrench as to not lose spring tension.



**WARNING** DO NOT use an adjustable wrench for this process.

**STEP 3.** Have the second person use a 3/4" wrench to loosen the two bolts on the spring winding tube. The first person will then pull his wrench a quarter-turn in the indicated direction to add tension. Re-tighten the two bolts on the flats of the interior bar.



*NOTE: For increased leverage, a third person can use a 1" schedule 40 pipe over the knob on the winding tube to apply tension.*

**STEP 4.** Test the tension. If the lip plate does not raise properly, more tension is needed. If the lip plate bounces or floats when the lip is extended, there is too much lifting tension. Repeat Steps 2 and 3 until the proper tension is achieved.

## **REPLACEMENT PARTS**

Vestil Manufacturing takes pride in using the finest available parts for our equipment. We are not responsible for equipment failure resulting from the use of unapproved replacement parts. To order replacement or extra parts for your equipment contact Customer Service at the factory. In any correspondence with the factory please include the Serial Number inscribed on the nameplate of the piece of equipment. Use only the part numbers provided in this Owner's Manual.

# LABELING DIAGRAM

The unit should be labeled as shown in the diagrams. However, label content and location are subject to change so your product might not be labeled exactly as shown. Thoroughly photograph the unit when you first receive it as discussed in the Record of Satisfactory Condition portion of the Inspections and Maintenance section on [p. 17](#). Make sure that your record includes a photograph of each label. Replace all labels that are, or later become, damaged, missing, or not easily readable (e.g. faded). To order replacement labels, contact the technical service and parts department online at [http://www.vestilmfg.com/parts\\_info.htm](http://www.vestilmfg.com/parts_info.htm); or by calling (260) 665-7586 and asking the operator to connect you to the Parts Department.

MODEL/MODÉLO/MODÈLE \_\_\_\_\_  
 STATIC CAPACITY (evenly distributed) \_\_\_\_\_ lbs.  
 LA CAPACIDAD CONSTANTE (distribuida uniformemente) \_\_\_\_\_ kgs.  
 CAPACITÉ STATIQUE (distribuée régulièrement) \_\_\_\_\_ kgs.  
 SERIAL/SERIE/SÉRIE \_\_\_\_\_ 287 401 0012



**⚠ WARNING**

This device incorporates a spring counterweight to reduce the effort required to lift the dock plate. Increase spring tension if the dock plate is too heavy to lift with the pipe lever.

- Person 1:** lift dock plate with pipe lever and secure plate in raised position, e.g. hold plate.
- Person 2:** grasp spring winding tube with wrench at point C, to prevent loss of spring tension.
- Person 2:** slide pipe lever onto lever mount (B). Push lever towards dock to decrease tension; pull lever away from dock to increase tension.
- Person 3:** tighten locking bolts (A). Each bolt must firmly contact a flat surface of inner bar. Person 2 should adjust winding tube position if necessary.
- Person 1:** return dock plate to unused position; then raise dock plate again to test spring tension. Increase tension if dock plate is still difficult to lift.

**Three (3) people should work together to adjust spring tension:**

A = Locking bolts  
 B = Pipe lever engaging pin  
 C = Wrench point on spring winding tube  
 D = Inner bar with milled flat surfaces

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**⚠ ADVISO**

Este dispositivo integra un amortiguador de presión de contrapeso para reducir el esfuerzo requerido a levantar el plato. Aumente la tensión del amortiguador de presión si el plato está demasiado de muy pesado cuando intentas a levantar con la palanca de tubo.

Tres (3) personas deben trabajar juntas para ajustar la tensión de amortiguador de presión:

- Persona 1:** Levante plato de diámena con palanca de tubo e asegure el plato en la posición levantada, detenga el plato.
- Persona 2:** Sujete el tubo de enrollar el amortiguador de presión con la llave en el punto "C", para prevenir pérdida de la tensión del amortiguador de presión.
- Persona 2:** Añaje los tornillos de seguridad (A) con una llave de "H".
- Persona 2:** Resbale palanca de tubo (B). Empuje palanca hacia plato para disminuir la tensión; para aumentar la tensión hale la palanca del plato.
- Persona 3:** Apriete los tornillos de seguridad (B). Cada tornillo debeque firmemente asentar la superficie de la barra interior.
- Persona 1:** Vuelva plato a la posición de no uso; entonces levanta plato otra vez para probar la tensión del amortiguador de presión. Aumente la tensión del amortiguador de

**Tres (3) personas deben trabajar juntas para ajustar la tensión de amortiguador de presión:**

A = Tornillos de seguridad  
 B = Tubo de palanca con llave de enganche  
 C = Punto para llave para amortiguador de presión, tubo de presión  
 D = Barra interior con superficies planas molidas

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Cut label and place English version on the left and Spanish version on right

Label 1072 is to be applied to the outside of individual packaging

<p><b>⚠ WARNING:</b> Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p><b>⚠ WARNING:</b> Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p>	<p><b>⚠ ADVERTENCIA:</b> 1072 Daño Reproductivo - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p><b>⚠ ADVERTENCIA:</b> Cáncer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p>
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## **LIMITED WARRANTY**

Vestil Manufacturing Corporation (“Vestil”) warrants this product to be free of defects in material and workmanship during the warranty period. Our warranty obligation is to provide a replacement for a defective, original part covered by the warranty after we receive a proper request from the Warrantee (you) for warranty service.

### **Who may request service?**

Only a warrantee may request service. You are a warrantee if you purchased the product from Vestil or from an authorized distributor AND Vestil has been fully paid.

### **Definition of “original part”?**

An original part is a part used to make the product as shipped to the Warrantee.

### **What is a “proper request”?**

A request for warranty service is proper if Vestil receives: 1) a photocopy of the Customer Invoice that displays the shipping date; AND 2) a written request for warranty service including your name and phone number. Send requests by one of the following methods:

#### US Mail

Vestil Manufacturing Corporation  
2999 North Wayne Street, PO Box 507  
Angola, IN 46703

#### Fax

(260) 665-1339

#### Phone

(260) 665-7586

#### Email

[info@vestil.com](mailto:info@vestil.com)

Enter “Warranty service request” in subject field

In the written request, list the parts believed to be defective and include the address where replacements should be delivered. After Vestil receives your request for warranty service, an authorized representative will contact you to determine whether your claim is covered by the warranty. Before providing warranty service, Vestil will require you to send the entire product, or just the defective part (or parts), to its facility in Angola, IN.

### **What is covered under the warranty?**

The warranty covers defects in the following original, dynamic parts: motors, hydraulic pumps, motor controllers, and cylinders. It also covers defects in original parts that wear under normal usage conditions (“wearing parts”), such as bearings, hoses, wheels, seals, brushes, and batteries.

### **How long is the warranty period?**

The warranty period for original dynamic components is 1 year. For wearing parts, the warranty period is 90 days. Both warranty periods begin on the date Vestil ships the product to the Warrantee. If the product was purchased from an authorized distributor, the periods begin when the distributor ships the product. Vestil may, at its sole discretion, extend a warranty period for products shipped from authorized distributors by up to 30 days to account for shipping time.

### **If a defective part is covered by the warranty, what will Vestil do to correct the problem?**

Vestil will provide an appropriate replacement for any covered part. An authorized representative of Vestil will contact you to discuss your claim.

### **What is not covered by the warranty?**

The Warrantee (you) are responsible for paying labor costs and freight costs to return the product to Vestil for warranty service.

### **Events that automatically void this Limited Warranty.**

- Misuse;
- Negligent assembly, installation, operation or repair;
- Installation/use in corrosive environments;
- Inadequate or improper maintenance;
- Damage sustained during shipping;
- Collisions or other accidents that damage the product;
- Unauthorized modifications: Do not modify the product IN ANY WAY without first receiving written authorization from Vestil.

### **Do any other warranties apply to the product?**

Vestil Manufacturing Corp. makes no other express warranties. All implied warranties are disclaimed to the extent allowed by law. Any implied warranty not disclaimed is limited in scope to the terms of this Limited Warranty. Vestil makes no warranty or representation that this product complies with any state or local design, performance, or safety code or standard. Noncompliance with any such code or standard is not a defect in material or workmanship.

