MECHANICAL DOCKLEVELER



OWNER'S MANUAL



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DATE:
CUSTOMER:
MODEL:
SERIAL#:
CAPACITY:
OPTIONS:

MECHANICAL DOCK LEVELER INSTALLATION INSTRUCTIONS

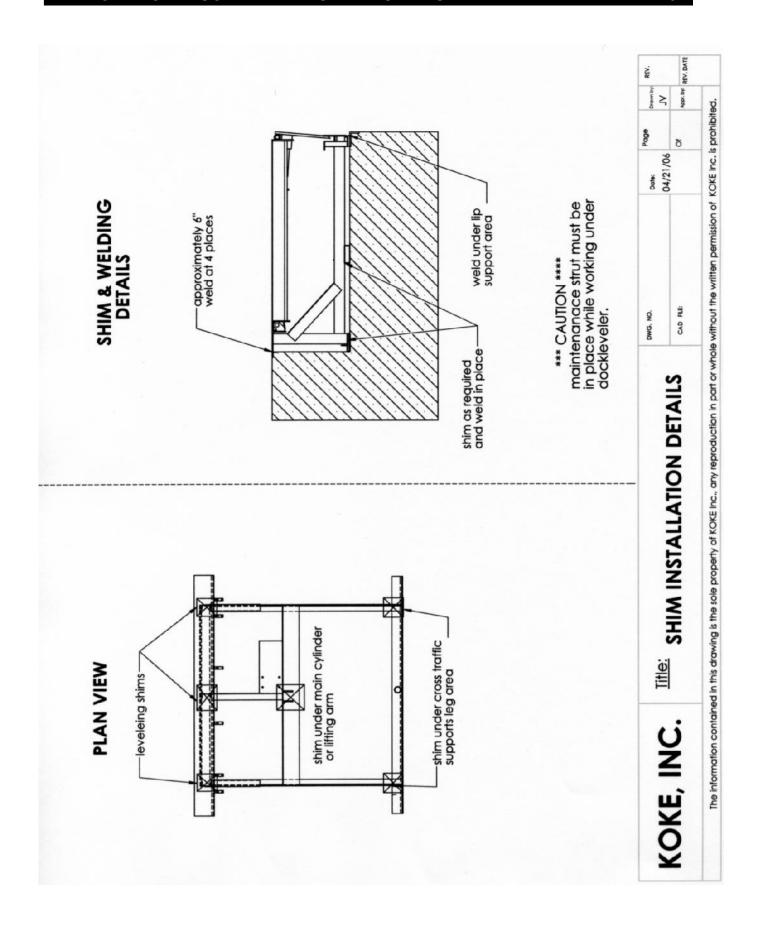
PRIOR TO INSTALLATION, CHECK PIT FOR CORRECTION DEPTH AND SQUARENESS OF PIT ACROSS CORNERS. IF PIT IS NOT CORRECT IN SIZE AND QUARENESS, MAKE CORRECTIONS BEFORE INSTALLING LEVELER.

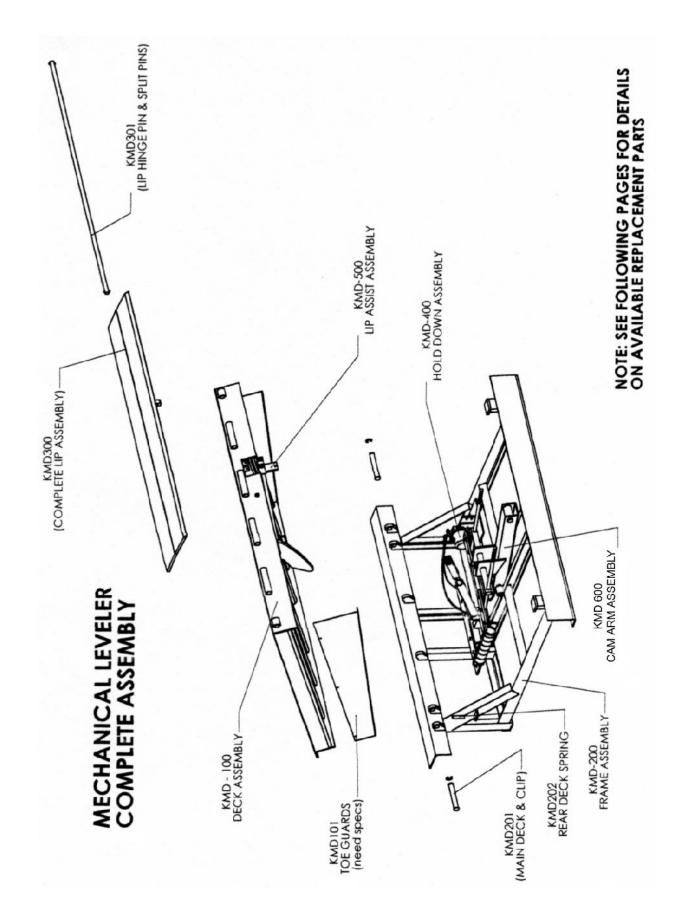
IMPORTANT: DO NOT BREAK BANDS ON LEVELER UNTIL INSTRUCTED

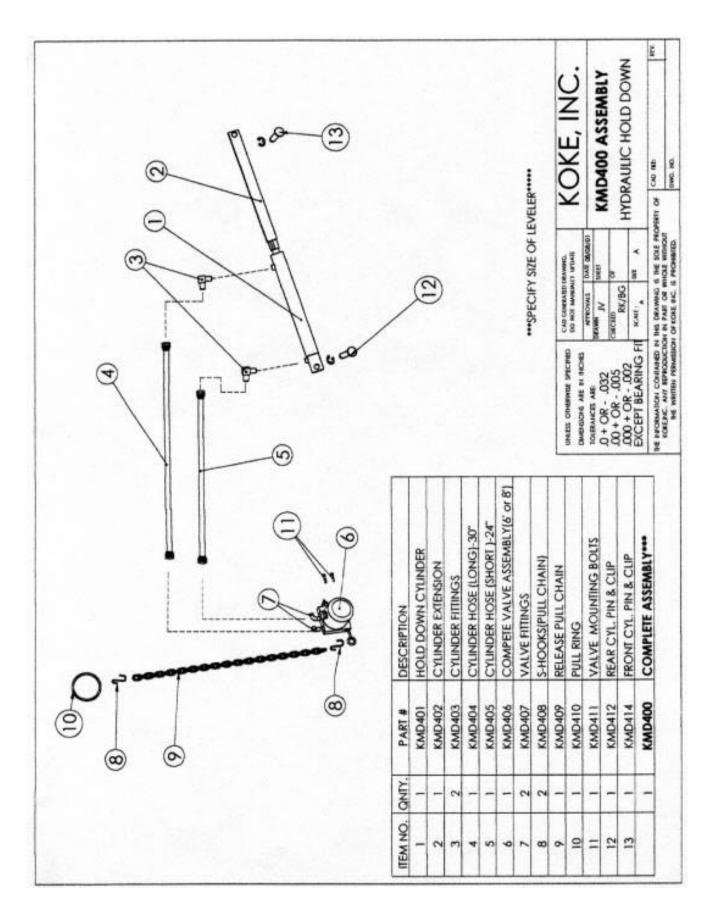
- 1. Place leveler in pit by means of forklift or crane. Level back of leveler with the in the warehouse floor using appropriate shims.
- 2. Break the steel banding from leveler, allowing for operation of leveler. Release the hold down by pulling up on the chain until leveler is completely open.
- 3. Brace the deck securely in the up position using the maintenance strut before performing any work inside the leveler.
- 4. Shim the rear of leveler first, then the front of the leveler, so that the leveler is level to floor. Place appropriate shim under hold-down location, weld all shims in place. (shown in Fig. A). (Make sure the leveler is square to pit walls).
- 5. When the dock leveler is level in the floor front and rear, proceed to stitch weld. (4 welds across the back approximately 6" long, 2 across the front. Note: make sure all shims are welded securely to base.)
- 6. While the dock leveler is factory tested and adjusted, it may require slight adjustments on site due to movement in shipping and during installation procedures. This is part of the installation process and it is not a warranty condition.

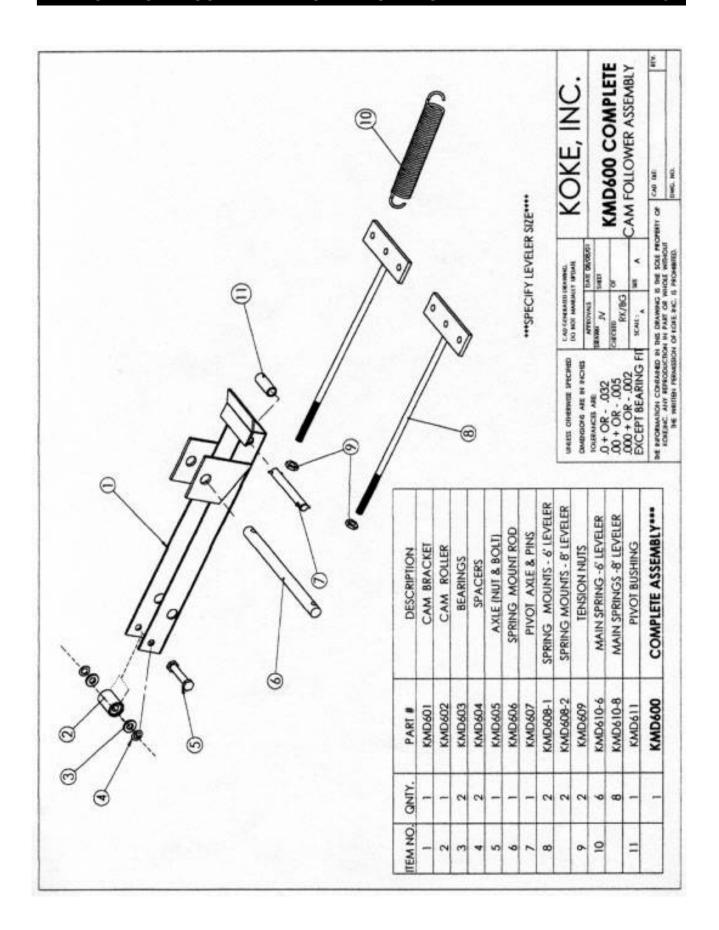
KOKE INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS AND/OR DESIGN WITHOUT NOTICE OR OBLIGATION.

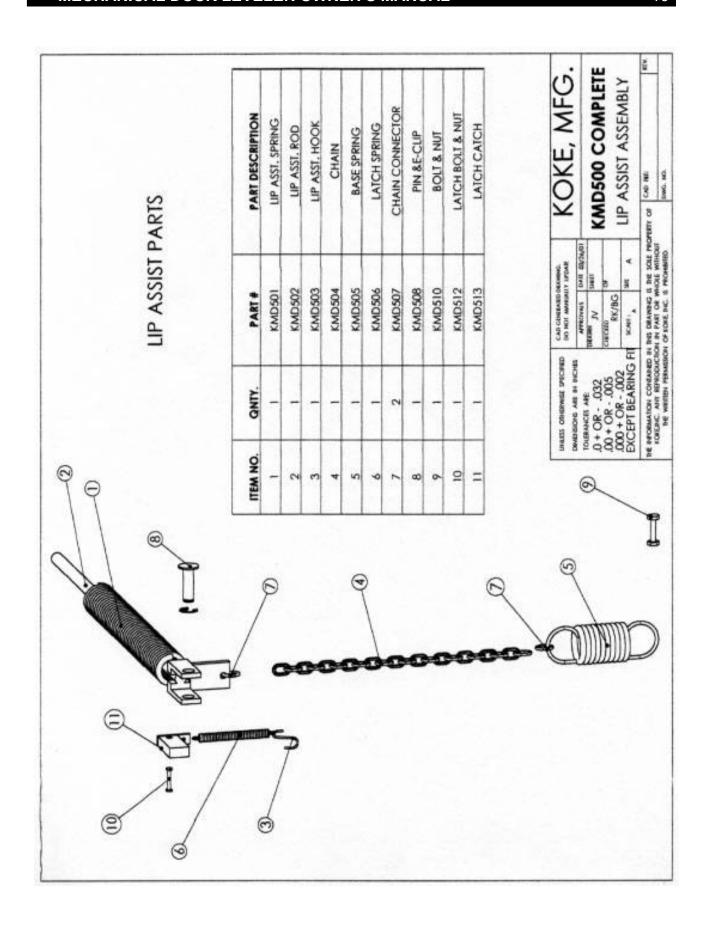
*PLEASE TATE MODEL # AND SERIAL # OF DOCK LEVELER WHEN PLACING ORDER FOR PARTS.











MECHANICAL DOCK LEVELER OPERATION SHEET

CAUTION: NEVER OPERATE THE DOCKLEVELLER WITH ANYONE STANDING IN FRONT OF THE LIP.

OPERATION INSTRUCTION

- 1. To release dock leveler from the parked position, known as the "CROSS TRAFFIC POSITION", pull the release chain and hold until the upward motion stops.
- 2. To lower the dock leveler into working position, walk to lip end until the lip rests in/on the truck bed.
- 3. Returning dock leveler to parked position (cross traffic position):
 - A: If the deck is above dock level:

 When the lip is in vertical position, walk deck platform to dock level position.
 - B: When loading/unloading has been completed & lip is in truck/trailer, pull release chain, allowing lip to fall to vertical position then walk leveler to floor level allowing lip to stop behind the night lock.

<u>NOTE</u>: after installation has been completed, the operation process may need to be repeated three to five times to assure the leveler is working properly.

CAUTION: THE LIP MUST BE IN ITS VERTICAL POSITION
BEFORE A TRUCK IS SPOTTED OR DAMAGE MAY
OCCURE TO THE DOCK OF TRUCK

MAINTENANCE

WITH PROPER CARE AND MAINTENANCE, YOUR MECHANICAL DOCKLEVELER WILL GIVE MANY YEARS OF SATISFACTORY, TROUBLE FREE SERVICE.

1. **LUBRICATION**:

LIGHT OIL:

- A. Lip hinge tubes
- B. Lifting arm roller
- C. Lip lifter and latch assembly

GREASE:

- A. Main lifting spring ends
- B. Rear Hinge pins

2. HYDRAULIC HOLD-DOWN:

Keep all parts clean. Change hydraulic fluid once a year. Use a low temperature hydraulic fluid. DO NOT USE REGULAR HYDRAULIC OIL.

3. MAIN LIFTING SPRING ADJUSTMENT:

Adjust the main lifting spring: To increase the opening force, tighten the springs evenly. To decrease the walk-down force, loosen the springs evenly.

Note: Make this adjustment only as necessary and only when all other functions are in proper adjustment.

TROUBLE SHOOTING

NOTE: BEFORE PERFORMING ANY MAINTENANCE CHECKS,
ALWAYS POSITION WORK STRUT SECURELY UNDER THE
DECK & LIP, THEN PROCEED INTO PIT TO CLEAN OR MAKE
NECESSARY ADJUSTMENTS.

PROBLEM: LIP FAILS TO EXTEND

CAUSE /ACTION TO BE TAKEN:

- Check to see that the leveler is being operated correctly, by pulling on/and holding the release chain until the deck reaches its highest position and lip extends.
- Check for broken chain or chain connector that activates the lip at the front of the leveler.
- Check for proper lubrication of lip hinge tubes. (keep hinge area clean and free of debris)
- Check for any debris which may cause binding of the lip or any obstructions in the pit that will not allow the leveler to work properly. (clean leveler and pit on a regular basis)
- Check the lip assist spring tension and perform any necessary adjustments.
- ***Too little Tension-lip too heavy
- ***Too much Tension-lip will not fall into night lock position
- Check for proper main lifting spring tension and make proper adjustment.
- ***Too Little tension-deck is sluggish & not enough momentum
- ***Too much tension-board will rise up too hard

PROBLEM: LIP EXTENDS BUT FAILS TO LOCK:

CAUSE /ACTION TO BE TAKEN:

- Check the lip assist spring tension and adjust accordingly. Adjust lip assist spring so that the lip is light enough to move from the vertical position. DO NOT OVER ADJUST TENSION.
- Check to see if the lip extends far enough to engage latch. If the latch does not engage, adjust the main lifting springs until lip extends far enough to engage lip latch.
- Check main spring tension. If it is too high, this causes the deck to raise to fast, allowing the lip to sing too fast and not allowing the lip to catch and latch. Back off on the adjusting nut at the front of the main spring bank until lip latches properly.
- Check for any damage to lip, latch assembly, chain and spring assembly.
- Check for debris (dirt, sand, any foreign matter) in/on the lip hinge that may hinder the action of the lip. Clean and lubricate hinge tubes until lip hinges freely.

PROBLEM: THE LIP FAILS TO DROP TO ITS PENDANT POSITION WHEN THE TRUCK PULLS AWAY:

CAUSE / POSSIBLE ACTION TO BE TAKEN:

• Check the lip latch assembly for any binding or obstruction. Clean and lubricate latch so that the lip moves freely and the latch is in working condition.

MECHANICAL DOCKLEVELER SERVICE POLICY & WARRANTY

KOKE INC. warrants that each **KOKE** manufactured product shall be free from defects in materials and workmanship. Any part of this product which under normal and proper use, maintenance proves defective in material and workmanship within (12) twelve months on mechanical components (90) ninety days on electrical components and (60) sixty months on structural components, provided that notice of any such defects and satisfactory proof of defects is given by the buyer to the seller, with transportation prepaid, and seller's examination proves such part to be defective.

KOKE'S OBLIGATION UNDER THIS WARRANTY IS LIMITED TO THE REPLACEMENT OF DEFECTIVE COMPONENTS AT THE FACTORY, OR AT THE DISCRETION OF KOKE INC., AT A LOCATION DESIGNATED BY THE COMPANY.
KOKE INC. WILL NOT BE LIABLE FOR ANY LOSS, INJURY OR DAMAGE TO PERSONS OR PROPETY, NOR FOR DAMAGES OF ANY KIND RESULTING FROM FAILURE OR DEFECTIVE OPERATION OF ANY MATERIALS OR EQUIPMENT.
"NO OTHER WARRANTY EXISTS EXCEPT AS STATED HEREIN"

<u>KOKE INC.</u> is constantly striving to improve its equipment. Improvements and necessary design changes will be made whenever **<u>KOKE INC.</u>** believes the performance or operation of the equipment will be improved with no obligation to incorporate any improvements to any equipment that may be in service.



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