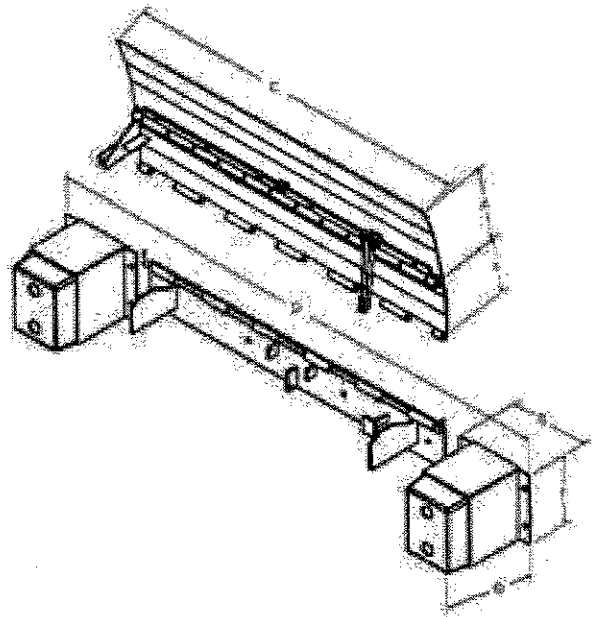


BLUE GIANT.

Edge-of-Dock Leveler



MDX Series

**OWNER'S MANUAL
&
INSTALLATION INSTRUCTIONS**

IMPORTANT: Read and understand the contents of this manual before operating the equipment.

Receipt Inspection

This equipment was thoroughly inspected and tested prior to leaving the factory. Before placing the equipment in service it should be thoroughly checked for damage or loss occurring in transit. If any such damage or loss is evident, a claim must be made against the carrier.

Refer to: Damage in Transit information enclosed with the packing slip.

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MDX - Mini-Dok (Edge of Dock) Dock Leveler

Read and understand these instructions before commencing work.

Responsibilities: The contractor and / or subcontractor under the direction of the contractor is responsible for the installation using these Instructions:
Issue Date: 02/04/04 (Part #038-689E) Rev.1-PP

Assumptions: The individuals responsible for performing these instructions are capable and experienced with installing this type of equipment.

Safety Signs and Safety Messages

Improper operation can cause accidents. Don't take chances with incorrect or damaged equipment. **Read and understand** the procedures for safe installation as outlined in this manual. Don't hesitate to ask for help. **Stay alert!** Follow safety rules, regulations, and procedures. Avoid accidents by recognizing dangerous procedures or situations before they occur.

Safety signs and messages are placed in this manual to provide instructions and identify specific areas where potential hazards exist and special precautions should be taken. Know and understand the meaning of these instructions, signs, and messages. Damage to the Mini-Dok, death, or serious injury to you or other persons may result if these messages are not followed. If warning decals are damaged, they must be replaced. Contact your Blue Giant Distributor for replacements.

NOTICE

This message is used when special information, instructions or identification are required relating to procedures, equipment, tools, capacities and other special data.

IMPORTANT

This message is used when special precautions should be taken to ensure a correct action or to avoid damage to or malfunction of the Mini-Dok or a component.



CAUTION

This message indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury



WARNING

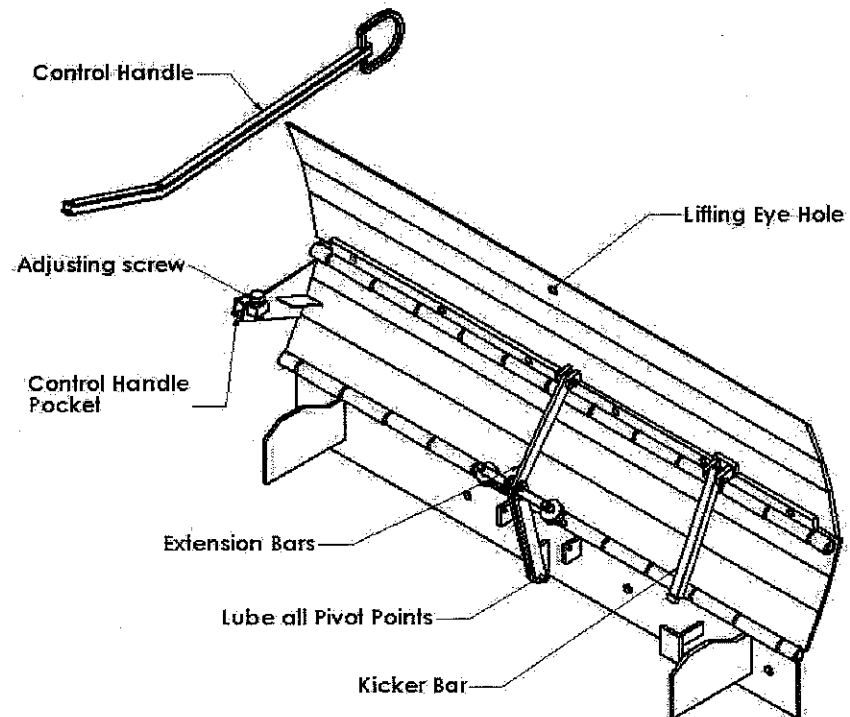
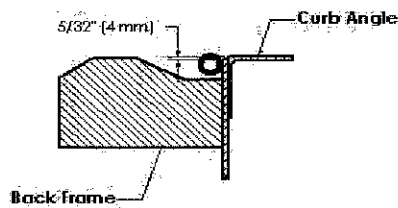
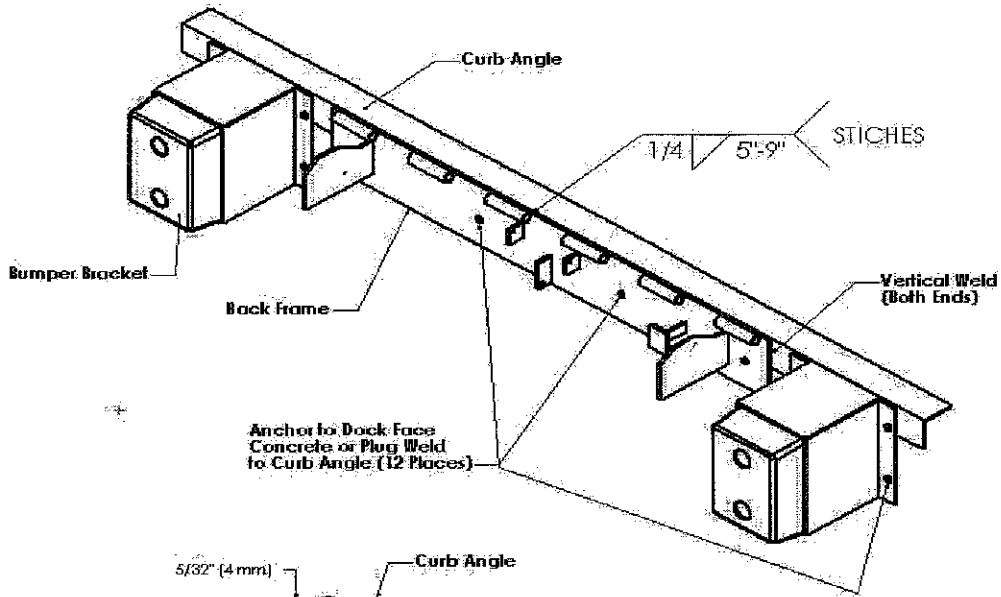
This message indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury



DANGER

This message indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Installation Diagram - Mechanical Mini-Dok



Installation Instructions

Mechanical Mini-Dok



WARNING

Do Not work under or around the Mini-Dok being installed without first placing adequate barriers to positively prevent vehicle traffic from entering the work area.

1. Inspect the loading dock curb angle and verify that it is firmly embedded and anchored in the concrete and is minimum 3" x 3" x 1/4" (75 x 75 x 6mm) steel. If there is no curb angle, if anchoring or embedding is questionable, or is not of minimum size specified, install a face plate following the instructions on Page 14 before proceeding with the installation.



WARNING

Mini-Dok failure hazard. The Mini-Dok must be welded to firmly embedded curb angle or other dock steel as described in the Installation Instructions. Do not attempt to use only bolts or lags to attach the Mini-Dok to the concrete.

2. Unband the Mini-Dok and discard all shipping material.



WARNING

Cut, pinch or eye injury hazard. Use caution when unbanding the Mini-Dok.

3. Using appropriate hoisting equipment, use the lifting eye located in the lip to sling the Mini-Dok into position against the curb angle.

Mechanical Model Installation - cont'd.**CAUTION**

Use caution when lifting or moving the Mini-Dok. Do not attempt to lift without suitable hoisting equipment. Approximate weight of Mini-Dok is 610 lb. (280 kg).

4. Position the back frame so that the top of the frame is 1/8" (4mm) below the level of the top of the curb angle (plus 1/8" (4mm), minus 0" (4mm)). Ensure top of frame is parallel with the top of the curb angle.
5. Tack weld top of back frame securely to curb angle.
6. Assure back frame is firmly against curb angle or dock face concrete and plug-weld the back frame to the curb angle at the four circular holes in the frame. If curb angle does not overlap these holes, use the back plate as a template and drill four holes 5/8" dia. x 6" (15mm x 150mm) deep, in the dock face concrete. Clean out holes and insert and permanently install appropriate concrete anchors. Tighten enough to secure Back Frame.
7. Finish weld the top of the back frame to the curb angle. Weld 1/4" x 5" (6mm x 125mm) long welds on both ends of the back frame. Repeat the 1/4" x 5" long welds on 9" (225mm) centers across the full width of the back frame.
8. Vertical weld both ends of back frame to curb angle, full length of vertical contact. Tighten Lag bolts at this time securely.
9. Position the left-hand bumper bracket (as viewed when standing on the driveway in front of the Mini-Dok) so that there is 1/2" (13mm) clearance between the bracket side and the control handle pocket, and the bracket is level with the top of the curb angle. Weld all horizontal and vertical contact areas between bracket and curb angle and plug weld mounting holes that overlap curb angle. Install concrete lag bolts 5/8" x 6" (15mm x 150mm) in mounting holes that are not welded.
10. Position the right-hand bumper bracket so that there is a 1/2" (13mm) clearance between the bracket and the Mini-Dok deck plate.
11. Install the control handle in the pocket on the left side of the deck. To do so, remove the bolt from the bottom of the handle, insert handle through pocket, then re-install bolt through hole in handle.
12. Lubricate all pivot points using SAE10 motor oil or equivalent.

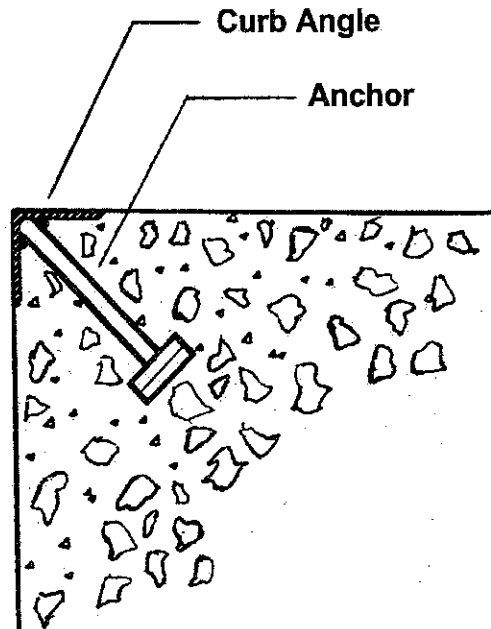
Final Inspection

- Clean up the entire work area and apply touch-up paint to all welds, scratches and burns.
- Ensure all fasteners have been securely tightened and / or locked.
- Test operate the unit through several full cycles of operation. If problems are noted, see the Troubleshooting section of this manual.
- Leave these Instructions with the Mini-Dok for use by owner.

Installation Types

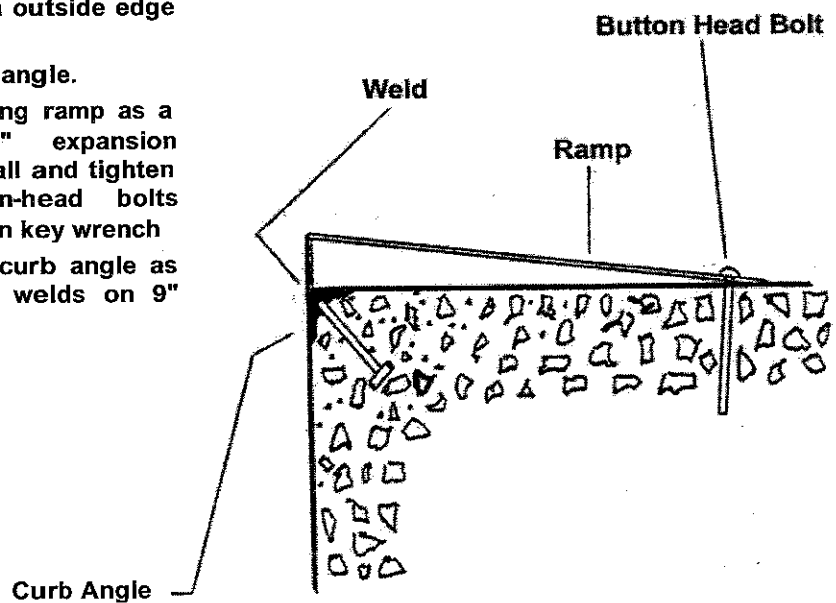
Curb Angle

- Must be poured-in with dock concrete.
- 3" x 3" x 1/4" minimum, steel curb angle.
- Weld-on concrete anchors to be minimum 5/8" x 6" long located on 12" centers with one anchor 3" from each end.



Approach Ramp Installation

- Position ramp as illustrated. Outside edge of ramp flush with outside edge of curb angle.
- Tack-weld ramp to curb angle.
- Drill 3/4" dia. holes using ramp as a template. Insert 5/8" expansion sleeves (010-116). Install and tighten 5/8" x 1-1/2" button-head bolts (010-117) using 3/8" allen key wrench
- Weld the ramp to the curb angle as illustrated. 1/4" x 5" welds on 9" centers.



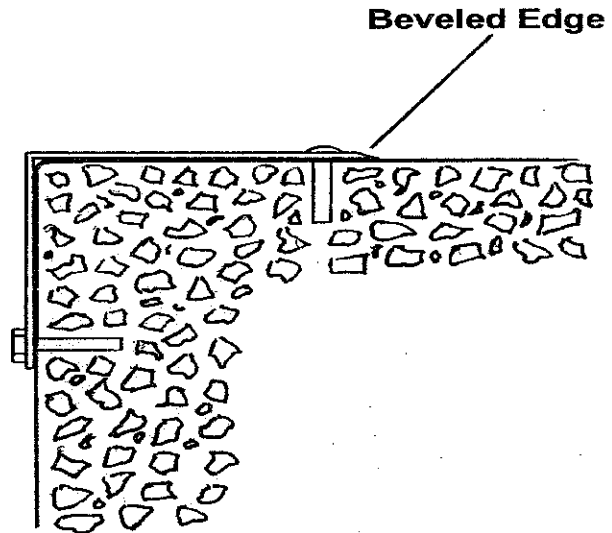
Installation Types - cont'd

Face Plate Types - For use on existing docks with no curb steel

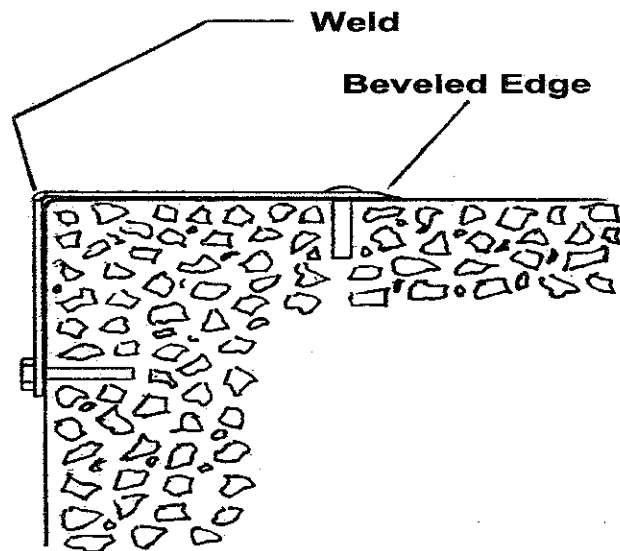
One Piece Angle Plate

- 1/4" minimum plate thickness. Top plate 13" wide, face plate 10"- wide. Length to suit Mini-Dok model.
- Place angle plate on existing dock as shown. Use as drill template.
- Lag to sound concrete as follows:
Top Plate - Drill 3/4" dia. x 3-1/2" deep holes. Insert 5/8" expansion sleeves (010-116). Install and tighten 5/8" x 1-1/2" button-head bolts (010-117) using 3/8" allen key.

Face Plate - Drill 5/8" dia x 6" deep holes. Insert 5/8" x 6" long anchor wedges (010-108) and tighten all fasteners to concrete.

**Two Piece Angle Plate
(Welded together on Site)**

- 1/4" minimum plate thickness. Top plate 13" wide, face plate 10" wide. Length to suite Mini-Dok model.
- Place top plate on top of existing dock, front edge flush with dock face, full length.
- Drill 3/4" dia. x 3-1/2" deep holes using plate as template. Insert 5/8" expansion sleeves (010-116). Install and tighten 5/8" x 1-1/2" button-head bolts (010-117) using 3/8" allen key wrench.
- Place face plate in position as shown. Position top edge for welding and tack-weld to top plate.
- Drill 5/8" dia. x 6" deep holes using plate as a template. Insert 5/8" x 6" long anchor assembly (010-108) and tighten all fasteners to concrete.
- Weld the two plates together as illustrated. 1/4" x 5" long welds on 9" centers.



Trouble Shooting Mechanical Mini-Dok



WARNING

DO NOT attempt to make repairs or adjustments yourself, only Trained and Authorized Personnel should perform repairs or adjustments. Contact your local Blue Giant Distributor for assistance.

PROBLEM	PROBABLE CAUSE
Mini-Dok requires more effort than usual when pulling it up to fully raised position	1. Adjustment of lift springs required - Increase tension of both springs equally. <u>Note:</u> Increase spring tension only enough to provide usual lifting effort.
After pulling Mini-Dok up to fully raised position, lip does not remain horizontal as deck is pushed forward. Lip does not deploy onto truck bed	1. Lip Lock Bar (Kicker Bar) did not swing into position over fixed block - Adjust lip stop bolt outward to raise lip and allow lock bar to swing into position over block. - Lip lock bar binding at mounting bracket. Bar must swing freely. Lubricate or straighten.
Lip Lock Bar does not swing down to release position when unit is lowered onto truck bed and 'walked' down. Lip remains partially extended after truck drives away	1. Lock bar is binding in its mounting bracket. - Lubricate or straighten. Bar must swing freely.
Lip hits back of truck first	1. Adjust adjusting screw to provide clearance see page 3. 2. Bumper worn out replace.

Introduction

BLUE GIANT was founded in 1963. Our objective is to be an industry leader providing total customer satisfaction demonstrated by delivering and continuously improving our products to fulfill expectations in all phases of design, manufacture and sales. We welcome you to the growing group of professionals who own, operate and maintain BLUE GIANT Mini-Doks. We take pride in the long tradition of quality products and superior value the BLUE GIANT name represents. This manual familiarizes you with safety, operating, and maintenance information about your new Mini-Dok. It has been specially prepared to help you use and maintain your Mini-Dok in a safe and correct manner.

Your BLUE GIANT Mini-Dok has been designed and built to be as safe and efficient as today's technology can make it. Safe, productive operation of a Mini-Dok requires both skill and knowledge on the part of the operator. The operator must know, understand, and practice the safety rules and load handling techniques described in this manual. To develop the skill required, the operator must become familiar with the construction and features of the Mini-Dok and how they function. The operator must understand its capabilities and limitations, and see that it is kept in a safe condition.

Routine Servicing and Maintenance

Regular maintenance and care of your Mini-Dok is not only important for economy and utilization reasons; it is essential for your safety. A faulty Mini-Dok is a potential source of danger to the operator, and to other personnel working near it. As with all quality equipment, keep your Mini-Dok in good operating condition by following the recommended schedule of maintenance.

Operator Daily Inspection Safety and Operating Checks

A Mini-Dok should always be examined by the operator, before any use, to be sure it is safe to operate. The importance of this procedure is emphasized in this manual with a brief illustrated review and later with more detailed instructions. Blue Giant Distributors can supply copies of a helpful, "**Operators Daily Checklist**" (see page 19).

Planned Maintenance

In addition to the daily operator inspection, Blue Giant recommends and local Government regulations may require that a planned maintenance and safety inspection program (PM) be performed by a trained and authorized mechanic on a regular basis to maintain your equipment in safe operating condition. The PM will provide an opportunity to make a through inspection of the safety and operating condition of your Mini-Dok. Necessary adjustments and repairs can be done during the PM, which will increase the life of components and reduce unscheduled downtime and increase safety. The PM can be scheduled to meet your particular application and Mini-Dok usage.

The procedures for a periodic planned maintenance program that covers inspections, operational checks, cleaning, lubrication, and minor adjustments are outlined in this manual. Your Blue Giant Distributor is prepared to help you with a Planned Maintenance Program by trained service personnel who know your Mini-Dok and can keep it operating safely and efficiently.

A Message To Blue Giant Mini-Dok Operators

Mini-Doks are specialized equipment with unique operating characteristics, designed to perform a specific job. Their function and operation is not like any other piece of equipment. They require specific instructions and rules for safe operation and maintenance.

Safe operation of Mini-Doks is of primary importance to Blue Giant. In general, dock equipment accidents that result in injury or death can be the result of:

- **Operator not properly trained**
- **Operator not experienced with Mini-Dok operation**
- **Basic safety rules not followed**
- **Mini-Dok not maintained in safe operating condition**

For these reasons, Blue Giant wants you to know about the safe operation and correct maintenance of your Mini-Dok.

This manual is designed to help you operate your Mini-Dok safely. This manual shows and tells you about safety inspections and the important general safety rules and hazards of Mini-Dok operation. It describes the special components and features of the Mini-Dok and explains their functions. The correct operating procedures are shown and explained. Illustrations and important safety messages are included for clear understanding.



The operator's manual is not a training manual. It is a guide to help trained and authorized operators safely operate their Mini-Dok by emphasizing and illustrating the correct procedures. However, it cannot cover every possible situation that may result in an accident. You must watch for hazards in your work areas and avoid or correct them. It is important that you know and understand the information in this manual and that you know and follow your company safety rules! Be sure that your equipment is maintained in a safe condition. Do not operate a damaged or malfunctioning Mini-Dok. Practice safe operation every time you use your Mini-Dok. Let's join together to set high standards in safety.

This manual is intended to be readily available. Keep it near the Mini-Dok as a ready reference for anyone who may operate or service it. If the Mini-Dok you operate is not equipped with a manual, ask your supervisor to obtain one and have it located near the Mini-Dok. Remember, your Blue Giant Distributor is pleased to answer questions about the operation and maintenance of your Mini-Dok and will provide you with additional information should you require it.

General Safety Rules

Be familiar with the Operating Principles of the Mini-Dok before attempting to operate it. See Operating Procedures, pages 23 through 26.

Do not exceed the Rated Capacity of the Mini-Dok as stated on the identification plate located on the right front side. See below.

		ELECTRICS	<input type="text" value="(4)"/>
		<input type="text"/>	
BRAMPTON, ONTARIO, CANADA MADE IN CANADA		<input type="text"/>	
MODEL	<input type="text" value="(1)"/>	MODIFICATIONS AND ADDITIONS WHICH AFFECT CAPACITY AND SAFE OPERATION SHALL NOT BE PERFORMED BY THE CUSTOMER OR USER WITHOUT THE MANUFACTURER'S PRIOR WRITTEN APPROVAL. CAPACITY, OPERATION AND MAINTENANCE INSTRUCTION, PLATES, TAGS OR DECALS SHALL BE CHANGED ACCORDINGLY.	
SERIAL NUMBER	<input type="text" value="(2)"/>		
CAPACITY	<input type="text" value="(3)"/> lb		
	kg		
COMPLIES WITH CS 202-56 CLASS "B" LOADING 			
"REFER TO SAFETY AND OPERATING INSTRUCTIONS IN YOUR OWNERS MANUAL"			

1. Mini-Dok model number or registered name.
2. Mini-Dok serial number – An identification number assigned to this particular Mini-Dok and should be used when requesting information or ordering service parts for this Mini-Dok from your authorized Blue Giant Distributor.
3. Mini-Dok Capacity Rating – **Do not overload the Mini-Dok.**

Do not allow untrained personnel to operate the Mini-Dok.

Read this entire manual before attempting to operate the Mini-Dok.



CAUTION

**Never try to repair the Dock Leveler yourself!
Always use a trained mechanic.**

Do's and Don'ts



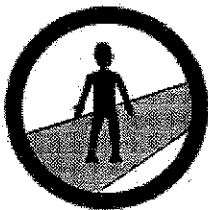
DO NOT MIX DRUGS & ALCOHOL WITH YOUR JOB



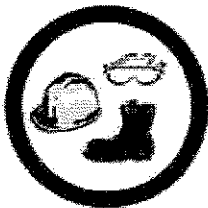
DO NOT BLOCK SAFETY OR EMERGENCY EQUIPMENT



DO NOT SMOKE IN "NO SMOKING" AREA



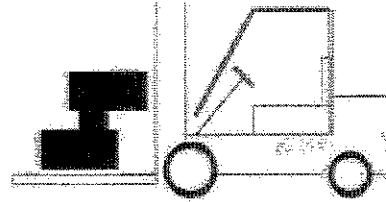
WATCH FOR PEDESTRIANS



DO WEAR SAFETY EQUIPMENT WHEN REQUIRED



WARNING



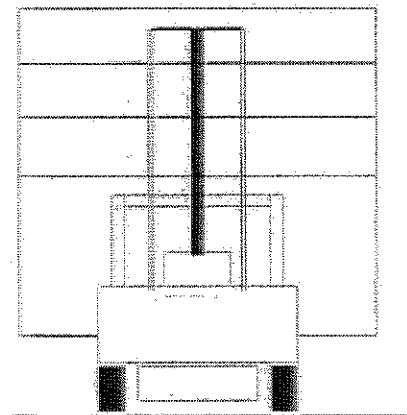
NEVER CARRY LOOSE UNEVEN MATERIAL ACROSS THE DOCK LEVELER

LOW OVERHEAD CLEARANCE



WARNING

KNOW THE HEIGHT OF YOUR LIFT TRUCK, WITH AND WITHOUT A LOAD. CHECK YOUR CLEARANCE WHEN CROSSING THE DOCK LEVELER. KEEP THE LIFT TRUCK LOAD LOW AND TILTED BACK



Do's and Don'ts

Do keep your work area clean and free of litter.

Do clean all side openings of all dirt and debris.

Do clean away all dirt and debris from the lip hinge, See Page 11.

Do clean up dry and liquid spills immediately when they occur.

Do maintain proper lighting in the work area.

Do not leave the Mini-Dok unattended in the raised position.

Do not leave loads sitting on the Mini-Dok.

Do not attempt to raise the Mini-Dok if someone is standing on it.

Do not operate a broken or damaged Mini-Dok. Insist on immediate repairs by a qualified mechanic.

Do not attempt to perform repairs yourself.

Do not try to lift any part of the Mini-Dok by hand. Use only the operating lever provided.

Do not allow the use of the Mini-Dok if the transporter is not blocked in position by a restraint device or wheel chocks.

Do not allow use of the Mini-Dok if the full width of the lip is not in full contact with and fully supported by a transporter deck.

Know Your Mini-Dok

- The Mini-Dok is intended to be used as a bridge located between a loading dock floor surface and the rear deck upper surface of a Transporter Vehicle.
- The Mini-Dok upper deck plate complete with a hinged, vertically hanging lip plate is located flush with the floor surface and is permanently mounted on the outer edge of the loading dock.
- The rear deck surface of a Transporter Vehicle is parked and blocked in place against the dock bumpers that are integral components of the Mini-Dok, in working alignment with the Mini-Dok. A Blue Giant Mini-Dok and Truck Restraint are ideal for this application. Consult your local Blue Giant Distributor.
- The Mini-Dok is operated by pulling back on the operating lever. The hinged lip plate raises to a horizontal position as the deck is rotated up into a vertical position. As the operator then rotates the deck forward (by using the operating lever) into a horizontal position, the lip moves forward horizontally until the underside comes to rest on the deck of the vehicle.
- A bridge is now formed that is supported at the building end by the dock floor and at the vehicle end by the vehicle deck.
- No other means of support is provided when in this position.
- The Mini-Dok is restored to its original stored position by the operator or by the vehicle departing.
- For illustration and description of components, See Pages 29 to 32.

Operator Maintenance and Care

Daily Safety Inspection

- Before using a Mini-Dok, it is the operator's responsibility to check its condition and be sure it is safe to operate.
- Check for damage and maintenance problems; have repairs made before you operate the Mini-Dok. Unusual noises or problems must be reported immediately to your supervisor or other designated authority.
- Do not make repairs yourself. Have a qualified Mini-Dok mechanic make repairs using Genuine Blue Giant parts or Approved Blue Giant parts.
- Do not operate a Mini-Dok if it is in need of repair. If it is in unsafe condition, do not commence operation and report the condition to the proper authority. If the Mini-Dok becomes unsafe while you are operating it, stop operating the Mini-Dok, report the problem immediately, and have it corrected.
- Mini-Doks should be inspected every day, at the start and end of each shift. In general, the daily inspection should include the visual and functional checks described on the following pages. As an aid in carrying out this inspection Blue Giant has prepared a form called the "Operators Daily Checklist". See Page 19. We recommend that you use this form to make a daily record of your inspection and Mini-Dok condition. You may obtain copies of this form from your Blue Giant Distributor.

Visual Checks

- First perform a visual inspection of the Mini-Dok and its major components:
 1. Walk around your Mini-Dok and take note of obvious damage that may have been caused by operation during the last shift.
 2. Check that all capacity, safety, and warning plates or decals are attached and legible.
 3. Inspect for damaged or missing parts, rust, corrosion, bent parts, cracks, etc.
 4. Carefully inspect the hinge points for cracks, breaks, bending, twists, and wear.
- Visually inspect the Mini-Dok for signs of structural damage or mechanical malfunction as you operate it throughout the day. Be alert to abnormal sounds or operation and visually observe the condition of hidden components when they become visible above floor level.

Daily Safety Inspection – cont'd**WARNING**

Do not enter the area below the Mini-Dok. Serious personal injury can result if proper precautions are not taken

- With Mini-Dok in its stored position, clean away wood splinters, nails, and other debris from the upper hinge surface.

**WARNING**

This is a hazardous pinch point. Do not use fingers or hands to remove foreign materials. Use appropriate scrapers or pick-up tongs.

- Clean up spills and debris from the dock area floor and the Mini-Dok deck immediately when they are observed.
- If all the Daily Inspection checks are normal or satisfactory, the Mini-Dok can be operated.
- Make a record on the “Operator’s Daily Checklist” of all problems that you find. Review the checklist to be sure it has been completed and turn it in to the person responsible for Mini-Dok Maintenance. Be sure any unusual noises or problems are investigated immediately.
- Do not operate a Mini-Dok that has a maintenance problem or is not safe to operate.**

Operators Daily Check List

INSTRUCTIONS FOR USE: Indicate "OK for Use" with a check mark (✓) in the appropriate box of each inspection point.

- ✎ Circle Check: Walk around the Mini-Dok and take note of obvious damage that may have been caused by operation during the last shift.
- ✎ Check that all capacity, safety, identification plates, etc. are attached and legible.
- ✎ Inspect for damaged or missing parts, rust, corrosion, bent parts, cracks, etc.
- ✎ Carefully inspect the hinge points for cracks, breaks, bending, twists, and wear.
- ✎ Inspect operating lever for damage or sharp edges.
- ✎ With Mini-Dok in stored position, clean away wood splinters, nails and other debris from the upper lip-hinge surface by sweeping with broom.
- ✎ Check for missing or damaged dock bumpers mounted on Mini-Dok.
- ✎ Clean up spills from the dock area floor and the Mini-Dok immediately when they are observed.
- ✎ Visually inspect the Mini-Dok for signs of structural damage or mechanical malfunction as you operate the Mini-Dok throughout the day. Be alert to abnormal sounds or operation and visually observe the condition of hidden components when they become visible above floor level.

Explain faults briefly in the space provided below.

INSPECTED BY: _____ **DATE:** _____

Forward checklist to the person responsible for Mini-Dok maintenance.

Operating Hazards



DANGER

APPLIES TO BLUE GIANT E.O.D. LEVELERS

- Do not operate the dock leveler unless you have been trained and authorized to do so.
- Know and follow all of these warnings and instructions.
- Know and follow all of these warnings and instructions as well as those contained in the Owner's Manual.

<p>Stay clear of E.O.D. when freight carrier is entering or leaving area.</p>	
<p>Keep hands and feet clear of pinch points.</p>	
<p>Keep a safe distance from both side edges.</p>	
<p>Chock or restrain all freight carriers.</p>	
<p>Lip must overlap bed of freight carrier a minimum of 4" (100mm).</p>	
<p>Do not use E.O.D. if freight carrier exceeds service range of 5" (130mm) above or below dock.</p>	
<p>Do not exceed the rated capacity as indicated on name plate.</p>	
<p>Do not leave equipment or material unattended on E.O.D.</p>	
<p>Do not use a broken or damaged E.O.D.</p>	

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Part # 038-157

Before Operating The Mini-Dok

- Be sure you have read and understand the information in this Operator's Manual and are trained and authorized before operating this Mini-Dok.
- The Operator's Manual should be stored where it can be readily available.



WARNING

A Mini-Dok can be dangerous if not used properly. Safe operation is the responsibility of the operator.

Load Handling

- Handle only loads that are within the Mini-Dok rated capacity as shown on the nameplate. This includes the weight of the fork truck and the weight of its load.
- Handle only stable or safely arranged loads. Do not handle loads made up of loose, unevenly stacked, or unstable items that can easily shift and fall. Take the time to correctly stack and band loose items. Center the load on the Lift Truck Forks.

Traveling With A Load

- Travel with load or carriage as low as possible across the Mini-Dok deck. Never travel with the load or carriage raised (elevated) in a high position. Do not elevate the load until clear of the Mini-Dok.
- Use special care when handling and traveling with long, high, or wide loads-to avoid losing the load, striking bystanders or obstructions. Do not turn until clear of the Mini-Dok.
- Watch clearances around the Mini-Dok as you travel. Look out for obstructions, especially overhead.
- The impact of moving in and out of the trailer may cause the trailer to creep forward or move. A Blue Giant Truck Restraint that is used properly will prevent this situation from occurring. The following is a list of other prevention measures:
 - **Apply trailer brakes.**
 - **Use wheel chocks.**
 - **Use other suitable trailer-to-dock locking system if available.**

Operating Instructions – Typical

Read “Know Your Mini-Dok”, Page 16.

- The Mini-Dok is operated by pulling back on the operating lever.
- The hinged lip plate raises to a horizontal position as the deck is rotated up into a vertical position.
- When the deck reaches its maximum up-travel stop, the operator then rotates the deck forward (by using the operating lever) into a horizontal position.
- The lip moved forward horizontally, as the deck rotated downward, until the underside comes to rest on the deck of the vehicle.
- The unit is now ready for traffic.



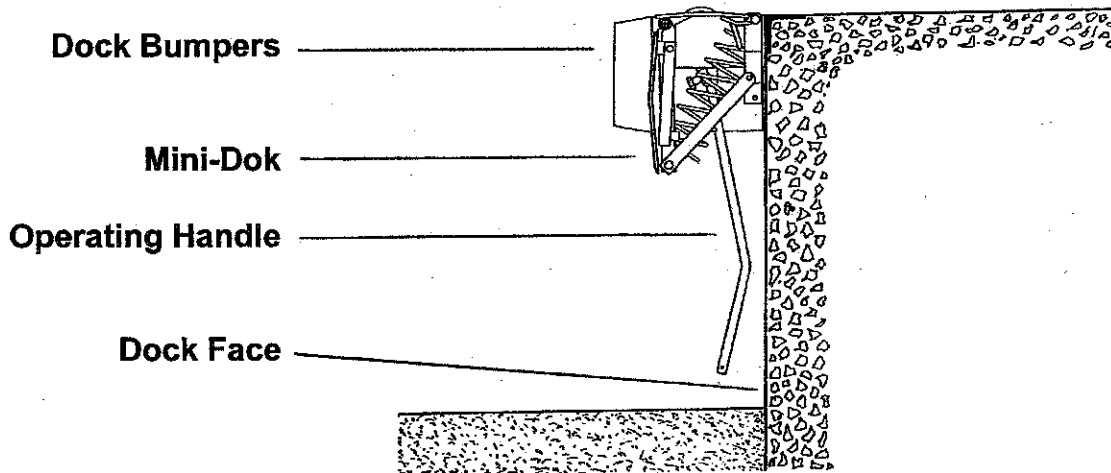
CAUTION

Chock the vehicle wheels or otherwise secure the vehicle to prevent its movement before commencing traffic across the Mini-Dok. A Blue Giant Truck Restraint is ideal for this application. Consult your local Blue Giant Distributor.

- When the vehicle departs, the lip automatically swings down to hang vertically.
- If desired, the operator may use the operating lever to return the Mini-Dok to stored position before the truck departs.
- Raise the deck only enough to release the lip from the truck and then cause the unit to lower to stored position.

Operating Procedure

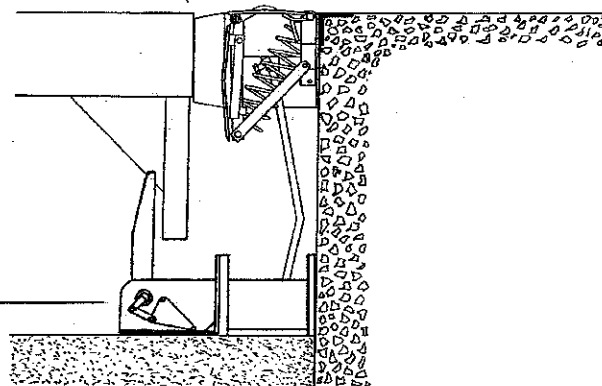
Dock Is Available For Use



**Freight Carrier Driver
Reverses into position
firmly against dock bumpers**

**Dock Attendant assures
vehicle is blocked securely
to prevent forward creep or
unexpected departure**

**A Blue Giant Truck Restraint
that is used properly will
prevent forward creep or
unexpected departure**



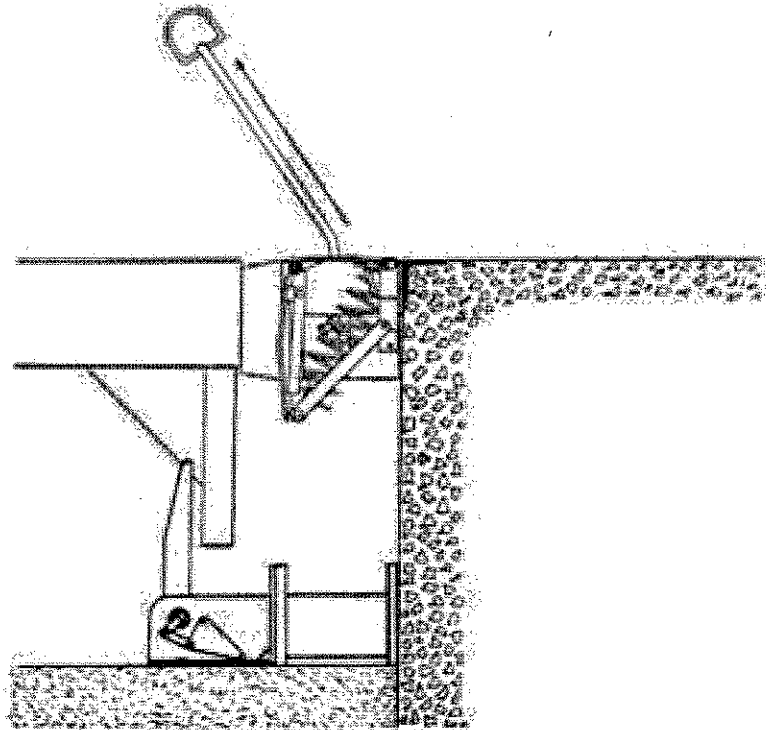
Operating Procedure

Dock Attendant lifts operating handle up to its most extended, raised position



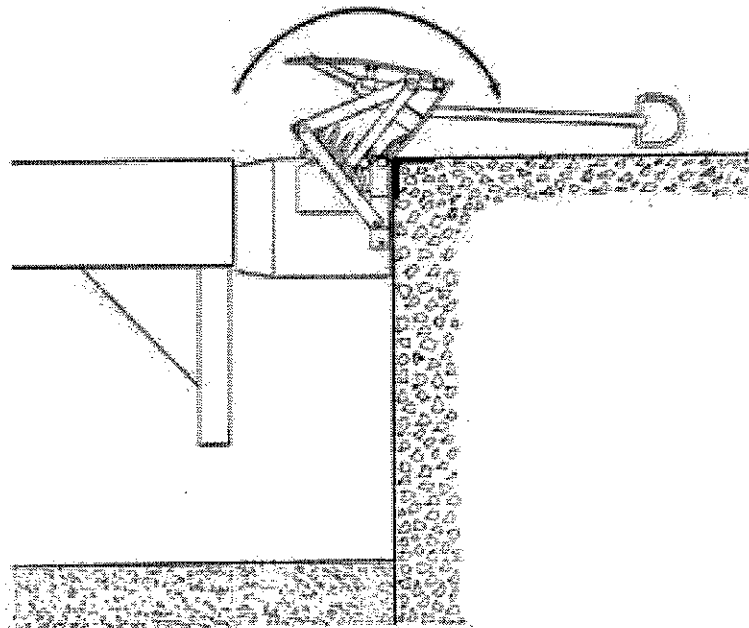
WARNING

Do not attempt to position deck plate or lip plate by hand



Dock Attendant pulls operating handle backward to rotate the handle to its lower most position (almost parallel with floor).

The deck plate is in near vertical position and the lip plate is horizontal.



Operating Procedure

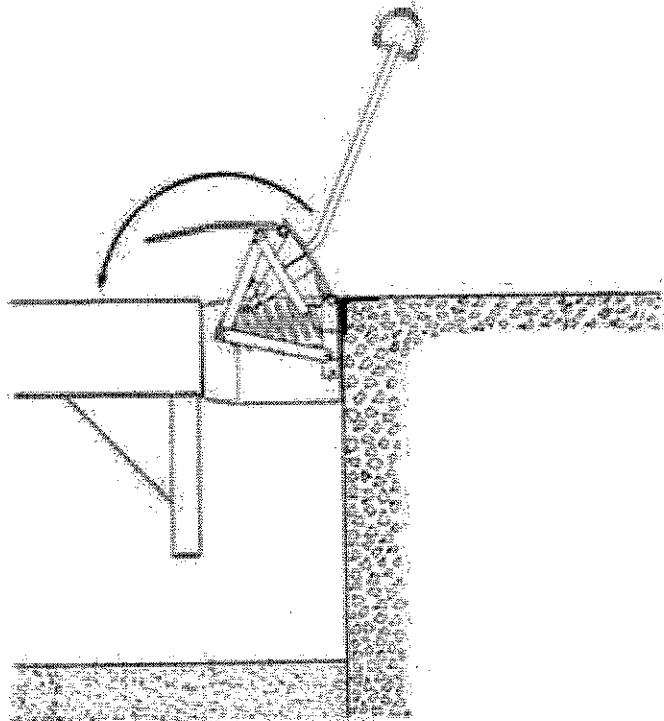
Operator lifts operating handle up and forward to rotate the deck plate back towards its original position.

During this step, the lip plate will remain horizontal and extend until it comes to rest on the bed of the freight carrier.



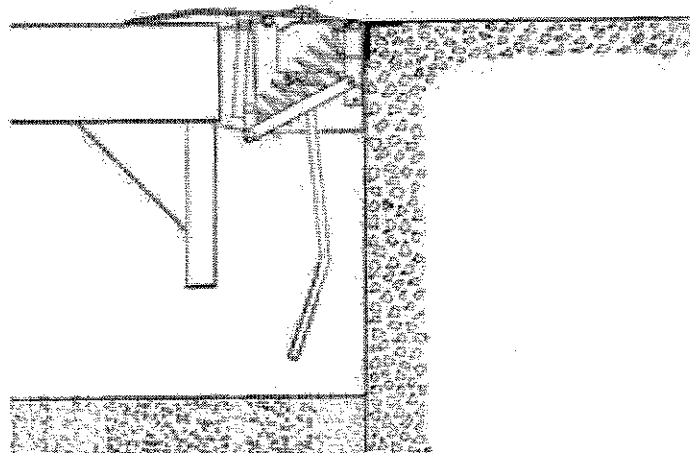
WARNING

Lip plate must overlap bed of freight carrier a minimum of 4" (100mm) full width.



Loading / Unloading operation is performed and completed.

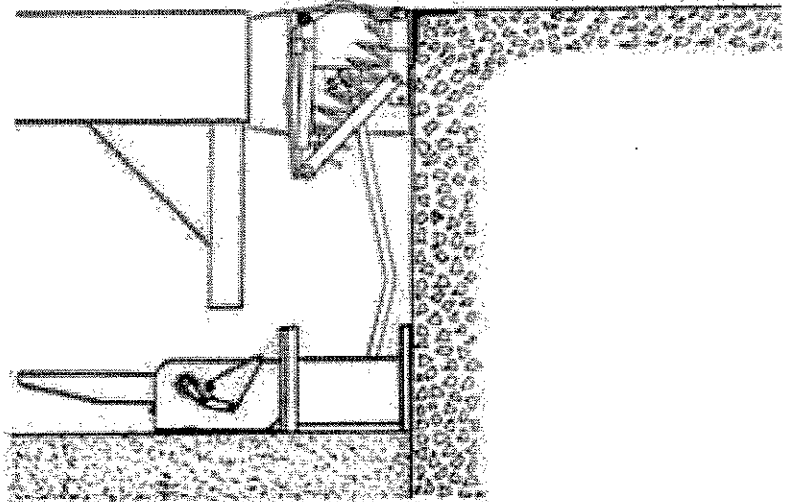
Note: To assure a smooth transition surface into and out of trucks, the Mini-Dok design allows the deck and lip plates a side-to-side tilt to compensate for tilted truck beds.



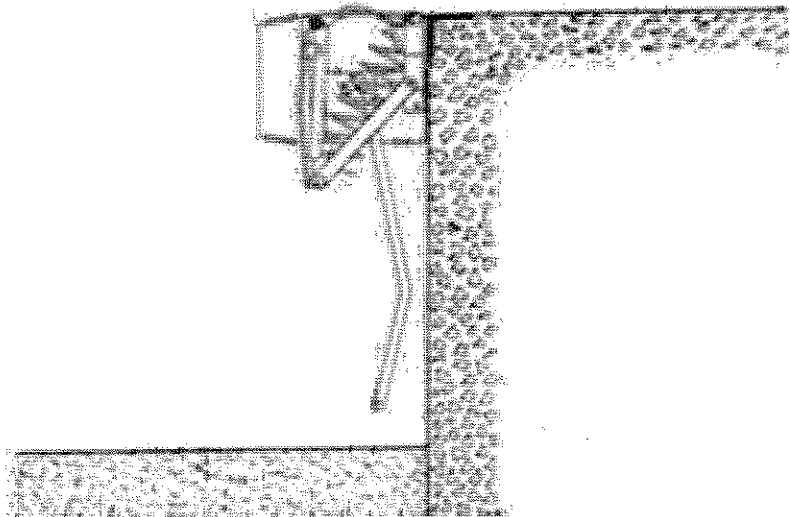
Operating Procedure

Dock Attendant releases the Vehicle Restraint (if used) and / or wheel chocks to allow freight carrier departure.

The Mini-Dok will automatically return itself to stored position upon departure of the freight carrier. Unit may also be stored with the carrier parked against the bumpers. To do this, lift the operating handle, pull backwards until lip plate is clear of the carrier, allow unit to lower under its own weight into the stored position. Return operating handle to its stored position as shown.



Dock is again available for use.



Planned Maintenance

NOTICE

ONLY TRAINED AND AUTHORIZED PERSONNEL should perform Planned Maintenance. Local Blue Giant Distributors are prepared to help customers put in place a Planned Maintenance program for checking and maintaining their Mini-Doks according to applicable safety regulations.

As outlined in Pages 17 and 18 the operator should make a safety inspection of the Mini-Dok before operating it. The purpose of this daily examination is to check for any obvious damage and maintenance problems, and to have minor adjustments and repairs made to correct any unsafe condition.

In addition to the operator's daily inspection, Blue Giant recommends that the owner set up and follow a periodic planned maintenance (PM) and inspection program. Performed on a regular basis by trained personnel, the program provides through inspections and checks of the safe operating condition of the Mini-Dok. "The PM" identifies needed adjustments, repairs, or replacements so they can be made before failure occurs. The specific schedule (frequency) for the PM inspections depends on the particular application and Mini-Dok usage.

This Section recommends typical Planned Maintenance and Lubrication Schedules for items essential to the safety, life, and performance of the Mini-Dok.

If you have need for more information on the care and repair of your Mini-Dok, see your Blue Giant Distributor.

Safe Maintenance Practices

The following instructions have been prepared from current industry and government safety standards applicable to Mini-Dok operation and maintenance. These recommended procedures specify conditions, methods, and accepted practices that aid in the safe maintenance of industrial Mini-Doks. They are listed here for the reference and safety of all workers..



CAUTION

Mini-Doks will become hazardous if maintenance is neglected.

1. Maintenance and inspection of all Mini-Doks shall be performed in conformance with the manufacturer's recommendations.
2. Follow a scheduled planned maintenance, lubrication, and inspection system. Maintain a recorded history of repairs and inspections.
3. Only trained and authorized personnel are permitted to maintain, repair, adjust, and inspect Mini-Doks and must do so in accordance with the manufacturer's specifications

Planned Maintenance Intervals

Arrange for a qualified Mini-Dok Repair Technician to perform regularly scheduled preventative maintenance on your Mini-Dok every three months for Single Shift Operation or monthly for Multi-Shift Operations. Call your Blue Giant Distributor for further details.



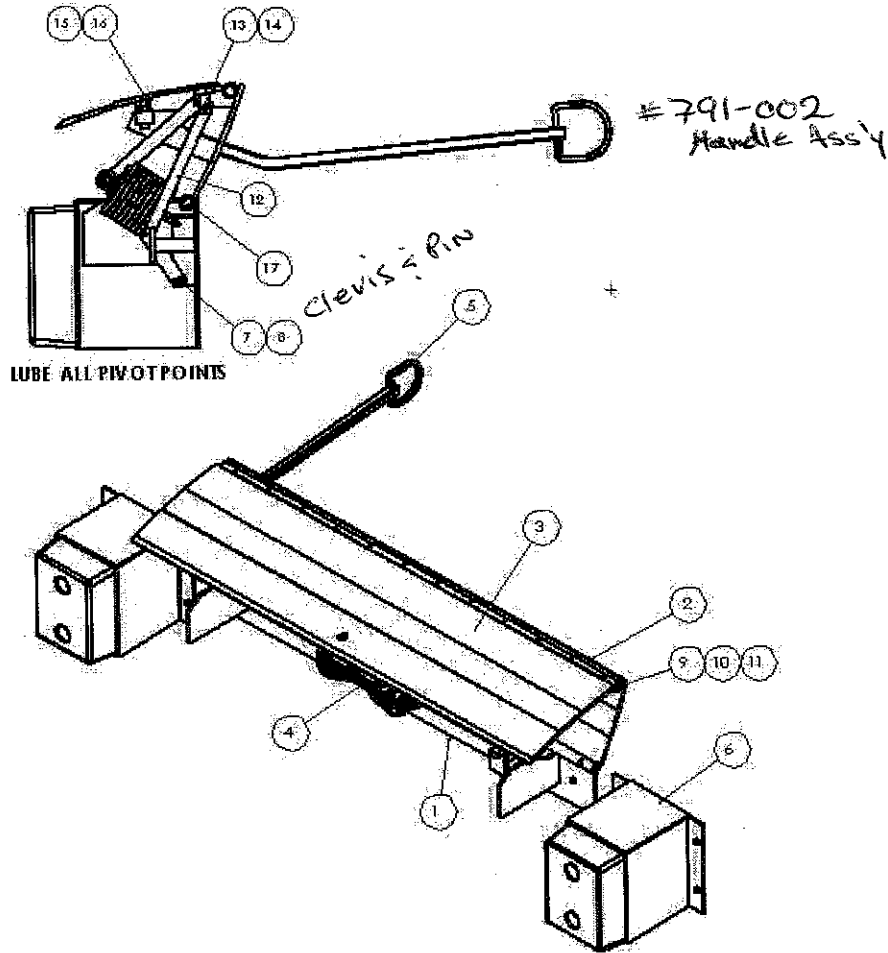
WARNING

Do Not work under or around the Mini-Dok without first placing adequate barriers to positively prevent vehicle traffic from entering the work area.

Maintenance Sequence:

1. Cleaning, including surrounding area.
2. Visual inspection of all components.
3. Lubrication as required.
4. Test operate all functions.
5. Adjustments if required.

**Replacement Parts
Complete Assembly**



MODEL	ITEM #1	ITEM #2	ITEM #3	ITEM #9	ITEM #17
MDX6620M	252-5001	252-5000	253-5000	200-01513	200-01513
MDX7220M	252-5007	252-5006	253-5002	200-01513-1	200-01513-1
MDX7820M	200-01527	200-01527	200-01525	200-01513-2	200-01513-2
MDX6625M	200-01517	200-01514	200-01515	300-172	200-01513
MDX7225M	200-01523	200-01521	200-01519	300-173	200-01513-1
MDX7825M	200-01524	200-01522	200-01520	300-174	200-01513-2
MDX6630M	200-01535	200-01532	200-01529	300-172	200-01513
MDX7230M	200-01536	200-01533	200-01530	300-173	200-01513-1
MDX7830M	200-01537	200-01534	200-01531	300-174	200-01513-2

**Replacement Parts
Complete Assembly - cont'd**

ITEM	QTY	PART NO.	DESCRIPTION
1	1	See Chart Pg. 29	Back Beam Assembly
2	1	See Chart Pg. 29	Deck Assembly
3	1	See Chart Pg. 29	Lip Assembly
4	1	See Page 31	Spring Shaft Assembly
5	1	791-002	Handle Assembly
6	2	See Page 32	Bumper & Mounting Box
7	2	300-170	Clevis Pin
8	2	013-006	Spring Pin
9	1	See Chart Pg. 29	Lip Pin
10	4	010-072	H.H.C.S.
11	4	011-545	Hex. Nut
12	1	252-5002	Kicker Bar <i>252-0024-2</i>
13	1	250-0001	Kicker Bar Shaft
14	2	013-020	Cotter Pin
15	1	010-059	H.H.C.S.
16	1	011-530	Hex. Nut
17	1	See Chart Pg. 29	Deck Pin

15" LIP PLATE MODELS

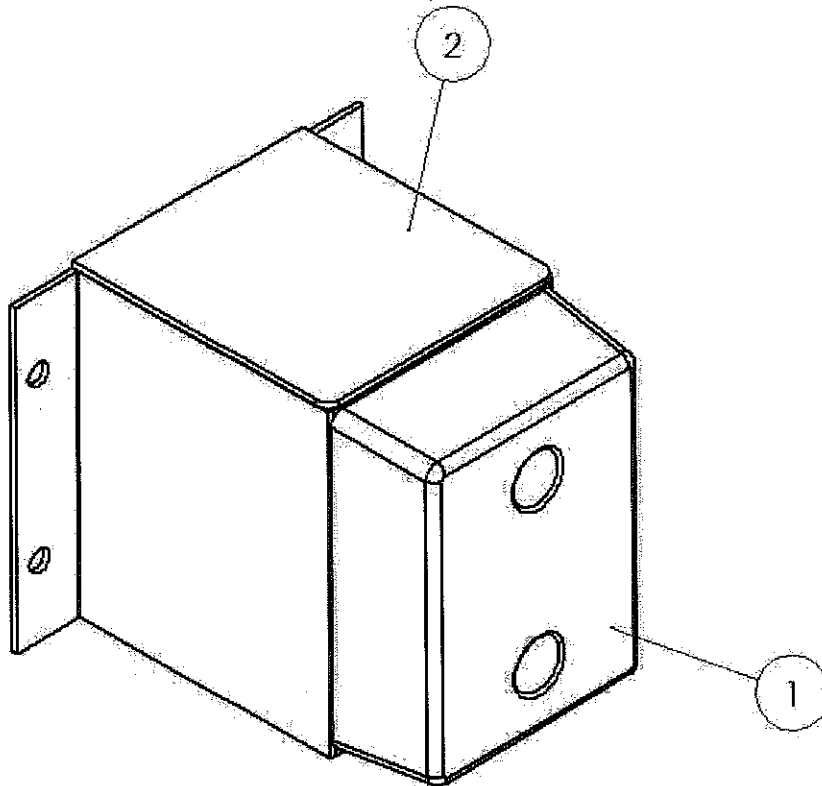
CAPACITY			COMPLETE ASSY		
	WIDTH	LIP	MODEL #	PART NO.	ITEM 3
20,000 Lbs.	66"	15"	MDX6620M	250-5000-1	253-5000
	72"	15"	MDX7220M	250-5000-2	253-5002
	78"	15"	MDX7820M	250-5000-3	200-01525
25,000 Lbs.	66"	15"	MDX6625M	200-01542-1	200-01515
	72"	15"	MDX7225M	200-01542-2	200-01519
	78"	15"	MDX7825M	200-01542-3	200-01520
30,000 Lbs.	66"	15"	MDX6630M	200-01541-1	200-01529
	72"	15"	MDX7230M	200-01541-2	200-01530
	78"	15"	MDX7830M	200-01541-3	200-01531

17" LIP PLATE MODELS

CAPACITY			COMPLETE ASSY		
	WIDTH	LIP	MODEL #	PART NO.	ITEM 3
20,000 Lbs.	66"	17"	MDX6620M-17	250-5000-4	253-5000-1
	72"	17"	MDX7220M-17	250-5000-5	253-5002-1
	78"	17"	MDX7820M-17	250-5000-6	200-01525-1
25,000 Lbs.	66"	17"	MDX6625M-17	200-02542-4	200-01515-1
	72"	17"	MDX7225M-17	200-01542-5	200-01519-1
	78"	17"	MDX7825M-17	200-02542-6	200-01520-1
30,000 Lbs.	66"	17"	MDX6630M-17	200-01541-4	200-01529-1
	72"	17"	MDX7230M-17	200-01541-5	200-01530-1
	78"	17"	MDX7830M-17	200-01541-6	200-01531-1

Replacement Parts

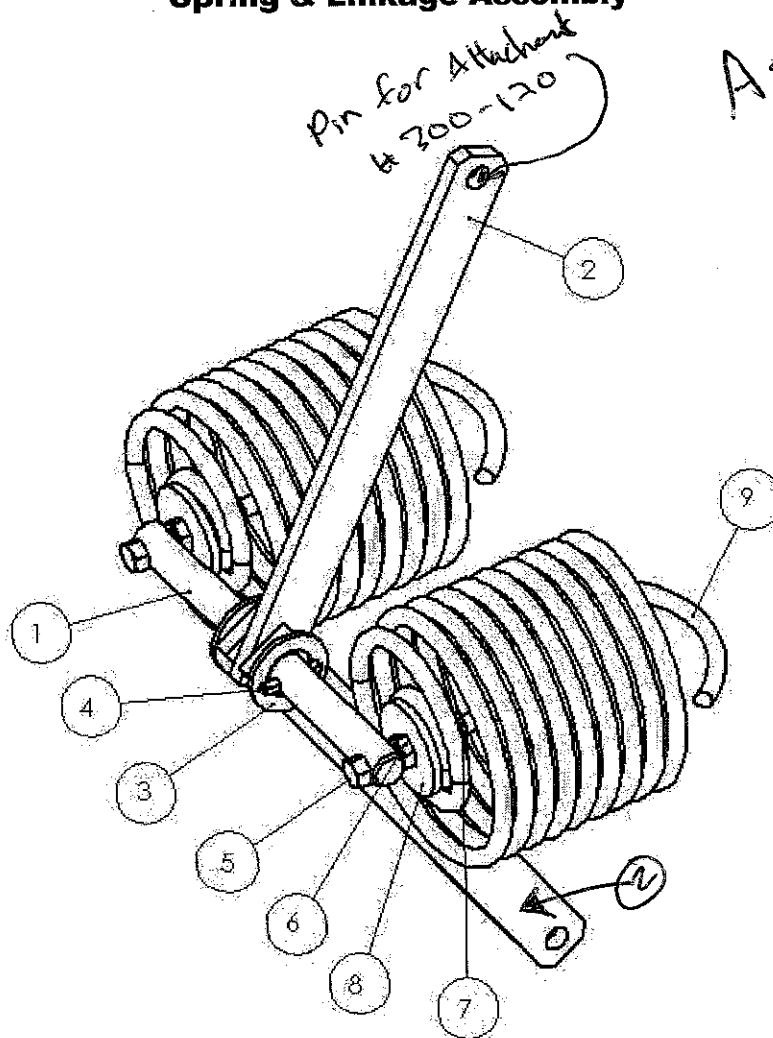
Dock Bumper And Bumper Mounting Assembly



MINI DOCK LIP	ASSEMBLY NO.	ITEM #1	ITEM #2
15" LIP	791-013-1	110-886	252-5005
17" LIP	791-013	110-886	242-5022

Replacement Parts

Spring & Linkage Assembly



ITEM	QTY	PART NO	DESCRIPTION	ITEM	QTY	PART NO	DESCRIPTION
1	1	252-000	Spring Shaft	6	2	011-507	Hex. Nut
2	3	253-0002	Extension Bar	7	2	011-552	Hex. Nylock Nut
3	2	012-245	Washer	8	4	012-298	Washer
4	2	013-007	Spring Pin	9	2	017-061	Spring, Extension
5	2	010-083	Cap Screw				

Warranty Policy

Edge-of-Dock Levelers

Mechanical and Hydraulic Mini-Dok Series

BLUE GIANT warrants to the original purchaser its loading dock equipment to be free from defective factory material and workmanship. All warranties begin on the date of delivery to the first user or the sixtieth (60) day after date of shipment, whichever comes first.

Parts or components which fall under normal usage within the following specified time periods and are proven to be defective will be repaired or replaced by BLUE GIANT without charge for parts or labor unless stated otherwise herein. Replacement parts will be supplied F.O.B. factory.

WARRANTY TIME PERIODS:

- 1) **ONE (1) YEAR – PARTS, LABOR, and COMPONENTS.**

WARRANTY IS VOID IF:

- 1) Warranty validation form is not completed and returned to BLUE GIANT.
- 2) Equipment is modified or repaired in any manner not approved by BLUE GIANT.
- 3) Equipment is overloaded beyond rated capacity.
- 4) Equipment is used in abrasive or corrosive conditions, freezers or excessive moisture.

THE FOLLOWING ARE NOT COVERED UNDER WARRANTY:

- 1) Adjustments, including initial field set-up. Adjustments are considered part of normal maintenance procedures.
- 2) Repairs required as a result of:
 - Failure to follow maintenance and/or lubrication procedures specified in the owner's manual.
 - Abuse, willful damage, accident, or neglect.
 - Shipping damage. (Claim must be made with freight carrier.)

BLUE GIANT DOES NOT ASSUME RESPONSIBILITY OR LIABILITY FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, OR FOR LOSS OF PROFIT OR DAMAGE TO TRADE OR BUSINESS WHICH RESULTS FROM THE EQUIPMENT.

THE ABOVE WARRANTIES ARE IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN.

BLUE GIANT EQUIPMENT CORPORATION

www.BLUEGIANT.com

Warranty: Part #038-557E

BLUE GIANT EQUIPMENT CORPORATION

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BLUE GIANT offers a full line of Dock Levelers, Dock Safety Equipment, Accessories, Ergonomic and Scissor Lift Equipment, and Industrial Trucks. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact BLUE GIANT for latest information. Some features illustrated may be optional in certain market areas.

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Issue Date: 02/04/04 (Part #038-689E) Rev.1-PP