BHD5 SERIES HEAVY CAPACITY DOCK LEVELER OWNER'S MANUAL

INSTALLATION • OPERATON

SERVICE • REPAIR PARTS



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DO NOT install, operate or service product unless you have read and understand the Safety Procedures, Warnings, Installation and Operating instructions contained in this manual. Failure to do so could result in serious injury and/or death.



- **Before doing any electrical work, make certain the power is disconnected and properly tagged or locked out.
- **All electrical work must be done by a qualified technician and must meet all applicable codes.
- **If it is necessary to make troubleshooting checks inside the control panel with the power on, USE EXTREME CAUTION.
- **Do Not place fingers or uninsulated tools inside the control box. Touching wires or other parts inside the control box could cause electrical shock, serious injury and/or death.

SECTION 1

INSTALLATION INSTRUCTIONS RECEIVING AND HANDLING

RECEIVING:



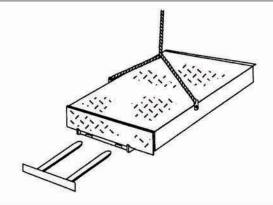
Before installing the dock leveler, read and follow the safety procedures and the operating instructions. Failure to follow the safety procedures could result in serious injury and/or death.

Check for possible damage or missing parts immediately upon receipt of unit. Note any damage on receiving papers.

Prepare any claims against carrier if necessary.

NOTE: Damage noticed after receipt must be reported to carrier within 15 days.

HANDLING:



Move leveler into position by using:

- · chain sling inserted into side plate holes. (See Figure A) or
- · fork lift, inserted in front base angle (See Figure A)

NOTE:

Control box, two bumpers, and weather seals, if applicable, are strapped under leveler. Handle with care to avoid damage to these components.

(Figure A)

SECTION 1

INSTALLATION INSTRUCTIONS INSTALLATION

INSTALLATION: (Consists of 3 phases)

Pit preparation

Leveler Preparation

Leveler Installation



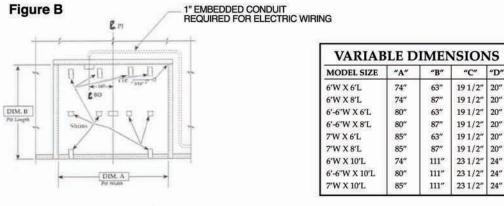
Caution: Before installing the leveler, use proper safety signs and barrirs to separate the work area from the remainder of the dock.

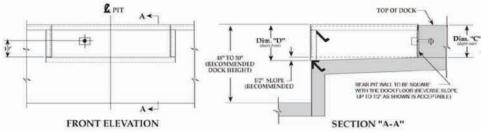


Never allow anyone to stand on or near dock leveler when it is being lifted or placed into the pit. Failure to follow this warning can allow the dock leveler to fall, tip, or swing into people, resulting in serious injury and/or death.

INSTALLATION INSTRUCTIONS PIT PREPARATION

PIT PREPARATION AND ELECTRICAL INSTALLATION:







Before welding the rear frame, cover the rear weather seal with a piece of sheet metal to prevent setting fire to the weather seals. Failure to do so may result in property damage.

- Examine pit. Pit walls should be square and plumb. Clean all debris from pit. The floor at the rear and both sides should be level.
- Measure pit dimensions. (See Figure B for accurate dimensions.)

Verify that pit walls are:

- Square
- Plumb

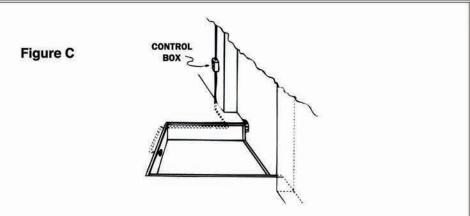
Place shims in general locations on pit floor before lowering leveler into place in pit.

[Pit depth at shim locations (minus 19" or minus 23" on 10 ft. units) equals shims thickness.]

NOTE: Shims are to be placed directly under rear frame uprights, under base of cylinder, and under lip keepers, See Figure B, page 3. Also Figure D, page 5.

- Install control box on wall near pit. (See Figure C)
- Install wire leads for motor and proximity sensors per wiring diagram. (See Major Components section, pages 17, 18 & 19.)

Wire must be installed throught conduit. (Wire and Conduit to be supplied by customer.) Additional wire leads may be used to supply temporary power to leveler from control box. Wires for motor must be long enough to reach mid section of leveler while in front of opening. This extra may be cut back and discarded after installation. (It is not necessary to hook up proximity sensors for this test.)



LEVELER PREPARATION



Fully support the lip, while working under the leveler. The lip plate could fall causing serious injury and/or death.



Inadequate lifting equipment or practices can cause a load to fall unexpectedly. Make sure the lifting equipment is in good condition. Never allow anyone to stand on or near the dock leveler when it is lifted or placed into the pit. Stand clear of the dock leveler when it is placed into the pit. Failure to follow this warning can allow the dock leveler to fall, tip, or swing into people, causing serious injury and/or death.



CAUTION

Route power cord clear of edges and resting surfaces so that it is not damaged during lifting and placement.

- Position leveler directly in front of pit.
- 2. Cut restraining band on lip.
- 3. Connect temporary wire leads to proper wire grouping at motor.

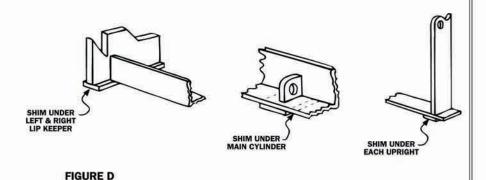
NOTE: Unit may fail to operate correctly at this point if temporary power does not supply adequate voltage. DO NOT make adjustments to leveler. Provide proper voltage before attempting to operate leveler. (See Electrical Page 15 & 16)

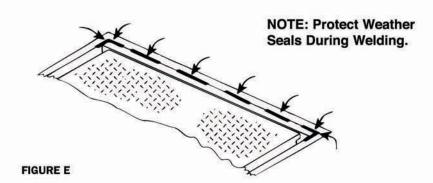
LEVELER PREPARATION

4. Check motor operation.

If unit does not raise when motor activates, rotation may be wrong. Recheck connections per wiring diagram to correct rotation. NOTE: Do not attempt to adjust valves until contacting an authorized Beacon Dealer or the factory.

Check fluid level in hydraulic reservoir. Check all hydraulic hose connections and fittings. With leveler in raised position and maintenance strut engaged, reservoir should be half full. If necessary, fill to correct level, using Dextron II transmission fluid or aircraft hydraulic fluid





20" Lip Keeper Installation Instructions

Two separate lip keeper angles are provided with every unit that has a 20" lip. These angles are tack welded to the leveler base frame just behind the lip.

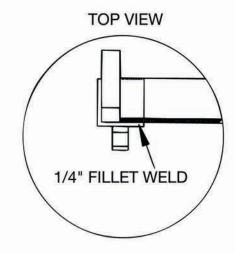
Break each one loose and set the leveler into the pit per the installation instructions in the owner's manual.

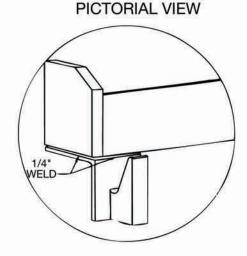
Prior to angle installation or shimming make sure that the unit is snug against the embedded curb angle at the back of the pit.

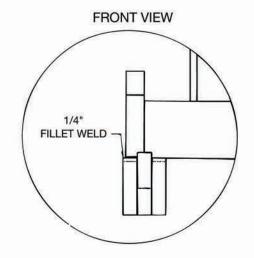
Place the lip keepers under the front base angle on either side of the unit with the top of the angle protruding out past the base 1/4" in the front and on the left for the left hand keeper and on the right for the right hand keeper. This will facilitate welding.

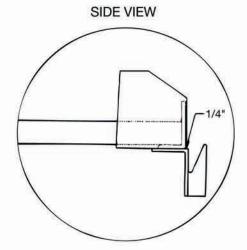
Fully weld the keeper angle to the base angle.

Proceed with shimming per the owner's manual.









LEVELER INSTALLATION:



DO NOT work under the dock leveler, ramp, or lip unless the maintenance strut is in place and cones are on the dock blocking access to the leveler.

MARNING



Keep fingers, hands, and head away from the lip when it is released. Fingers, hands, or head could be struck by or caught between the lip and other pars of the dock leveler causing serious injury and/or death.

Improper installation of anchoring devices or installation into aged or unsound concrete could result in serious injury and/or death.



CAUTION

CAUTION

Welding with the dock leveler's power connected can damage electrical components. If the dock leveler has previously been electrically connected, turn off power to control box and unplug all dock leveler electrical cords from receptacles in the rear pit wall before welding. Ground welder to dock leveler. Failure to do so can result in product damage.

Be certain that the rear hinge assembly is held tightly against the rear pit curb angle before welding.

If from and rear pit curb angles are not parallel DO NOT attempt to shim dock leveler supports to match pit angles. The front supports and rear frame angle must be parallel for proper operation of the dock leveler. Add or subtract shims as required.

1. Place leveler into pit opening.

Allow one inch (1") equal clearance between leveler sides and pit walls. Rear frame angle of leveler should be tight against and flush with rear curb angle for proper welding.

Recheck shim packs to ensure leveler is at proper height, flush with floor level, front and rear. Shims must be placed properly under each rear frame upright, under cylinder and front lip keepers. (See Flgure D, page 5 for close up view and Figure B, page 3 for shim locations.)

Skip weld rear of leveler to curb angle (weld center first, then ends) and front shims to leveler and curb angle. (See Figure E, 5.) Protect rear weather seals from weld splatter if applicable.

SECTION 1	INSTALLATION INSTRUCTIONS LEVELER INSTALLATION	
LEVELER INSTALLATION:		
Bring deck section of leveler to fully raised position.	Use temporary power, or lift slowly with fork lift under lip edge	
4. Place maintenance strut securely under deck.	Remove strut from hanger bracket under right hand center of deck, rotate down to vertical position, and place in cup on frame.	
5. Weld all shims securely in place.		
Connect permanent power source to control box on wall.		
7. Make permanent electrical hook up to motor.		
Connect two (2) proximity switches through conduit to wall mounted control box. (See electrical diagram, page 17 thru 19).	Leveler should now be ready to operate	



Hydraulic pressure must be maintained on the ramp to hold it in the raised position until the maintenance strut is in place. **DO NOT WORK UNDER THE DOCKLEVELER RAMP OR LIP UNLESS MAINTENANCE STRUT IS SECURED.**



Keep hands, fingers and head away from the lip when the raise button is released. The lip and dock leveler are free to move downward when hydraulic pressure is removed from cylinders.

SE	CTION 1	INSTALLATION INSTRUCTIONS LEVELER INSTALLATION		
ABO	OVE DOCK USE:			
9.	Close control box and activate leveler until lip fully extends.	Be sure selector switch on control box is set to Normal mode.		
10.	Store maintenance strut.	Two person operation. One person holds pressure on OPERATE button while a second person stores the maintenance strut. Do not hold pressure on OPERATE button for more than 10 seconds.		
11.	Allow leveler to complete cycle, descending to stored position.	Release OPERATE button. Leveler will drift down to below dock, automatically restart, rise several inches above dock while lip is closing, then turn off and store in home position.		
11.A	Operate leveler through each of its complete cycles to check for proper operation. (See pages 10 through 13, Normal and Below Dock Operation.)	Cycles include ABOVE DOCK cycle, and BELOW DOCK cycle.		
12.	Recheck all hydraulic hose connections and fittings.	Make sure all fittings are snug and no leaks are present.		
13.	Install bumpers on dock face.	Securely bolt bumpers to dock face as close to pit opening as possible. Bumpers should be flush with dock floor or 48" off ground. Raised bumpers should be supported to floor from behind.		
14.	Complete weld at rear of leveler.	Weld shall cover approximately 50% of the length of the rear angle. Ensure welds are placed directly behind frame uprights: (4 each on 6' wide models, 6 each on 7' wide models) and at ends of angle. (See Figure E, page 5) (Protect weather seals during welding).		



CAUTION: Contact your Beacon representative or the factory if a malfunction occurs which is not unterstood. DO NOT attempt to correct situation without proper information and understanding, as this may damage components and void the warranty.

INSTALLATION INSTRUCTIONS NORMAL OPERATING PROCEDURE



ALWAYS secure the vehicle with a vehicle restraint and wheel chocks before operating the dock leveler.

- * DO NOT operate leveler with anyone standing on or in front of leveler.
- * DO NOT lift the leveler by hand.
- * ALWAYS keep fingers, hands, feet, and head clear of all moving parts.



If the lip does not fully extend, do not lift by hand. Restore leveler to dock level and try again. If lip still does not fully extend, the dock leveler requires maintenance or adjustment. Notify your supervisor. DO NOT use the leveler until it has been repaired. Failure to do so could result in serious injury and/or death.

MARNING

If the lip does not fall to the stored position, the dock leveler requires maintenance or adjustment. Notify you supervisor. DO NOT use dock leveler until it has been repaired. Failure to do so could result in serious injury and/or death.



Visually check that the lip is supported by the truck bed or the ramp is supported by both front lip keepers before driving or walking on the ramp.

MARNING

ALWAYS be certain that the truck wheels are chocked, and that the truck is locked in place by a truck restraining device and the brakes set before loading or unloading. Visually inspect vehicle restraint to make sure it is properly engaged. Trucks pulling away unexpectedly can cause uncontrolled drop of the dock leveler, which can result in serious injury and/or death.

OPERATING INSTRUCTIONS NORMAL OPERATING PROCEDURE

AWARNING

Before servicing the dock leveler, read and follow the Safety Practice and the operation section of this manual. Be certain, before climbing under the dock leveler, that the MAINTENANCE STRUT is SECURELY IN PLACE.

LIP EXTENDED FOR ABOVE DOCK USE SELECTOR SWITCH IN NORMAL MODE

1. Press and hold the OPERATE button on the control box.

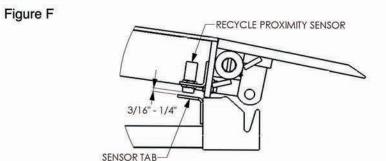
2 The platform will descend with lip extended until lip rests on truck bed.

 When truck departs, the leveler automatically recycles to stored, cross traffic position, employing the recycle proximity sensor, Figure F, and a timer in the control box. Release the button when the platform raises and the lip fully extends. With optional Lip Out button:

 Press and hold Operate button. When lip edge is above truck floor level, also press Lip Out button. Platform will stop and lip will extend. Release Operate and Lip Out buttons simultaneously.

Note: For drawing of optional Lip Out valve, see page 25.

The leveler allows for up and down movement of truck during loading or unloading.



Caution: Be sure to maintain clearance between proximity sensor and sensor tab as specified in Figure F. Failure to do so could result in damage to the sensor.

SECTION 2	OPERATING INSTRUCTIONS NORMAL RECYCLE PROCEDURE	
RECYCLE PROCEDURE WITH TRUCK AT DOCK:		
Press and hold the OPERATE button.	Hold the button until the platform partially raises and lip is fully with-drawn from truck.	
2. Release the Operate button.	Leveler will descend to stored, cross traffic position.	

SECTION 2	OPERATING INSTRUCTIONS BELOW DOCK OPERATION	
LIP EXTENDED ONTO TRUCK FOR UNLOADING BELOW DOCK: 1. Turn selector switch to Normal mode.		
2. Press and hold the Operate button.	Wait until the platform raises and the lip fully extends. With optional Lip Out button, simply allow leveler to rise above floor of truck, then also press Lip Out button. Deck will stop and lip will extend.	
3. Release the Operate button (and optional Lip Out button.)		
Turn the selector switch from Normal to Below Dock mode while leveler is descending.	Leveler will settle to truck floor as low as 12" below dock to service very low trucks without recycling.	

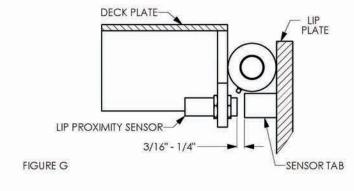


ALWAYS secure the truck with a vehicle restraint or wheel chocks before operating the dock leveler. DO NOT operate dock leveler with anyone standing on or in front of leveler. DO NOT drive on dock leveler or lip until it is fully extended and supported by the truck bed. ALWAYS keep hands and feet clear of all moving parts. ALWAYS re-store the leveler to its safe dock level position after servicing the truck.

SECTION 2 OPERATING INSTRUCTIONS BELOW DOCK OPERATION (CONTINUED)

LIP RETRACTED FOR END LOADS BELOW DOCK:

- 1. Turn selector button to Below Dock mode.
- 2. Press and hold the Operate button.



Hold the button until the platform raises and the lip partially extends.

The motor will automatically shut off when the lip is out of range of the lip tab proximity sensor. (See illustration, opposite.)

The leveler will descend to its fully lowered position with the lip between truck and dock face.

Note: The leveler will not automatically recycle in this position. (See recycle procedure.)

Caution: Be sure to maintain clearance between proximity sensor and sensor tab as specified in Figure G. Failure to do so could result in damage to the sensor.

SECTION 2	OPERATING INSTRUCTIONS BELOW DOCK RECYCLE PROCEDURE	
FOR PLACING LIP ON TRUCK TO CONTINUE LOADING OR UNLOADING		
Turn selector switch to Normal mode.	Leveler will automatically begin to recycle to stored position.	
2. As leveler begins to rise, press and hold the Operate button.	Allow the platform to raise and lip to fully extend, then release Operate button.	
	Leveler will descend until lip rests on truck floor. When truck departs the unit will automatically recycle.	

SECTION 2	OPERATING INSTRUCTIONS
	BELOW DOCK RECYCLE PROCEDURE (CONTINUED)

RETURN LEVELER TO STORED POSITION FROM BELOW DOCK:	
Turn selector mode to Normal mode.	Leveler will automatically return to stored, cross traffic position.
	Do not push Operate button.
RECYCLE PROCEDURE FROM BELOW DOCK:	(Unit does not recycle from this (dead) position when truck departs.) If hit while extended, the lip will yield to impact.
Turn selector switch to Normal mode.	Leveler will now return to its stored, cross traffic position automatically, before or after truck departs.

SECTION 2	OPERATING INSTRUCTIONS AUTOMATIC SAFETY STOP		
AUTOMATIC SAFETY STOP	If lip of leveler should become unsupported while a load of 1,000 pounds or greater is on the platform, the hydraulic system automatically locks the platform in position, supporting the load.		
To restore the leveler to normal operation:	Remove the load. Press and release the Operate button. Leveler should drift downward and recycle.		



ALWAYS secure the truck with a vehicle restraint or wheel chocks before operating the dock leveler. DO NOT operate dock leveler with anyone standing on or in front of leveler. DO NOT drive on dock leveler or lip until it is fully extended and supported by the truck bed. ALWAYS keep hands and feet clear of all moving parts. ALWAYS re-store the leveler to its safe dock level position after servicing the truck.

SECTION 3	MAJOR COMPONENTS
HYDRAULIC FLUID CONTENT	Levelers are shipped filled with aircraft fluid.
ELECTRICAL Motor:	1 HP, 15 minute duty cycle
Control Panel:	Wall mounted metal box (12" x 10" x 5 1/4"), Meets N.E.M.A. 12, hinged cover for easy access.
Proximity Sensor Controls:	Automatic Recycle Function, Below Dock Lip Control, 2 each Model 8036A, Square D

MOTOR VOLTAGE (AC)	PHASE	AMP DRAW (RUNNING)	POWER (amperage) REQUIREMENT
115	1	15.0	30
230	1	7.2	20
208-220-240	3	3.6	10
440-460-480	3	1.8	10

1 HP, 1 ph motor draws 25 amps to start motor.

To avoid voltage drop, Beacon recommends #10 wire on short runs (45' or less) and #8 wire on long runs (72' or less). See page 16 for wire guage chart.

Consult Code Requirements.

CAUTION: A MOTOR CAN BURN OUT FOR ANY OF THE FOLLOWING REASONS:

- Hook up to incorrect line voltage.
- 2. Single phasing of polyphase motor caused by a blown fuse or loss of one leg of electrical supply.
- 3. Low voltage to motor due to insufficient line capacity. This is the most common with 110V, 1 ph operation.

Choose the Right Gauge Wire

The chart below helps you determine what gauge wire you need. amperage, or power, required and the distance the wire travels. The correct wire gauge (size) for your project is based on the Remember, the smaller the number, the larger the wire. example, a 6-gauge wire is larger than an 8-gauge wire

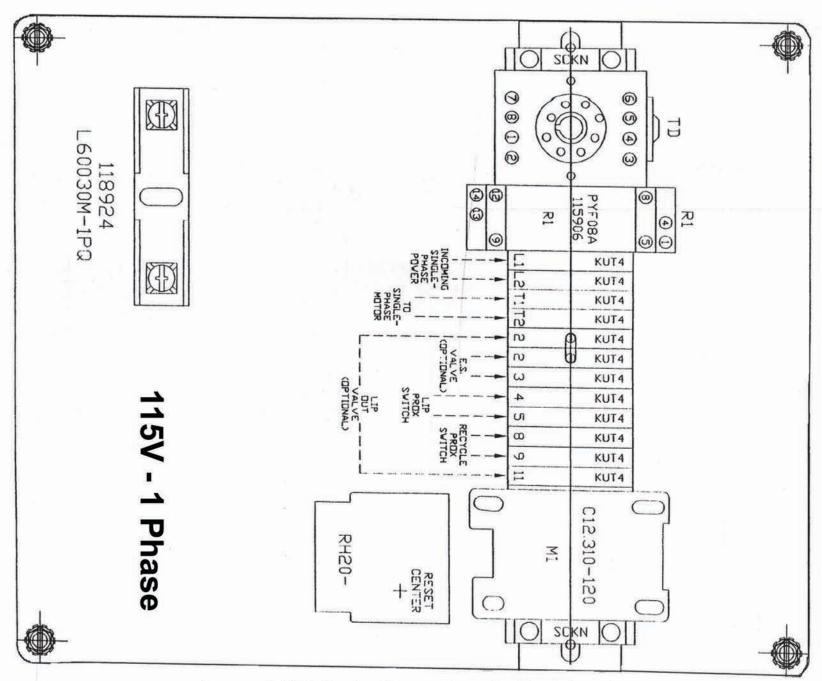
50	40	30	20	15	AMPS	
6000	4800	3000	2400	1800	WATTS	
6 Gauge	8 Gauge	10 Gauge	12 Gauge	14 Gauge	UP TO	W G
6	6	8	10	12	UP TO	UAGE GU
Gauge	Gauge	Gauge	Gauge	Gauge	100'	RE LENG
4	4	6	8	10	UP TO	IIDE FOR
Gauge	Gauge	Gauge	Gauge	Gauge	150'	TH, 2% N
4	4	6	6	6	UP TO	MAXIMUI
Gauge	Gauge	Gauge	Gauge	Gauge	200'	OMINAL \
2 Gauge	2 Gauge	4 Gauge	6 Gauge	6 Gauge	UPTO UPTO 200' 250'	GUAGE GUIDE FOR MAXIMUM ALLOWABLE WIRE LENGTH, 2% NOMINAL VOLTAGE DROP
1 Gauge	2 Gauge	4 Gauge	4 Gauge	6 Gauge	UP TO	DROP
1/0	1	2	4	4	UP TO	
Gauge	Gauge	Gauge	Gauge	Gauge	400'	
2/0	1/0	2	2	4	UP TO	
Gauge	Gauge	Gauge	Gauge	Gauge	500'	

This information is provided as a general guideline only. For safe wiring practices consult the National Electric Code, local building codes and regulations, and your local building inspector. Always remember that installation of electrical wire can be hazardous and, if done improperly, can result in personal injury or property damage.

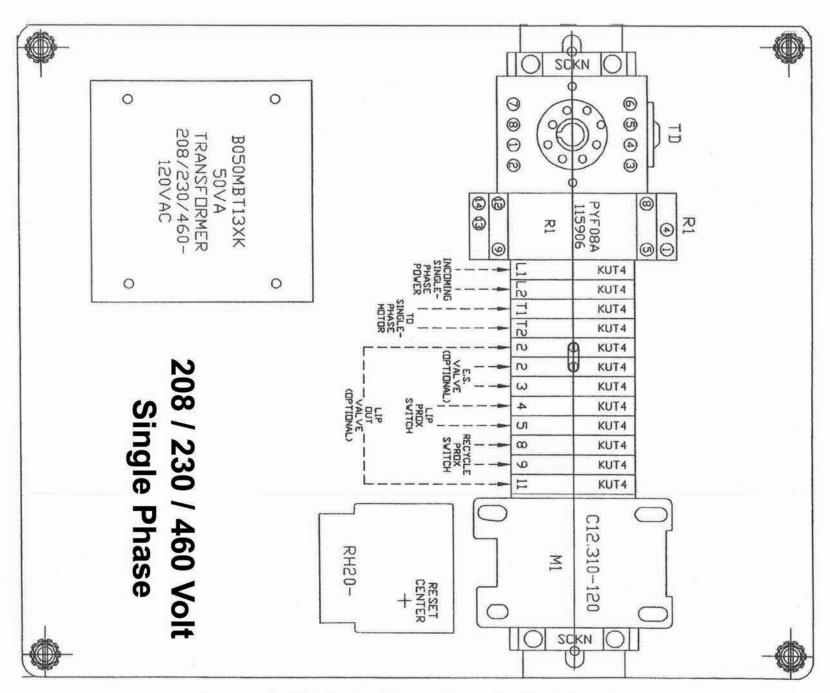
Canadian codes differ from the above charts. provincial codes before completing your project Check your

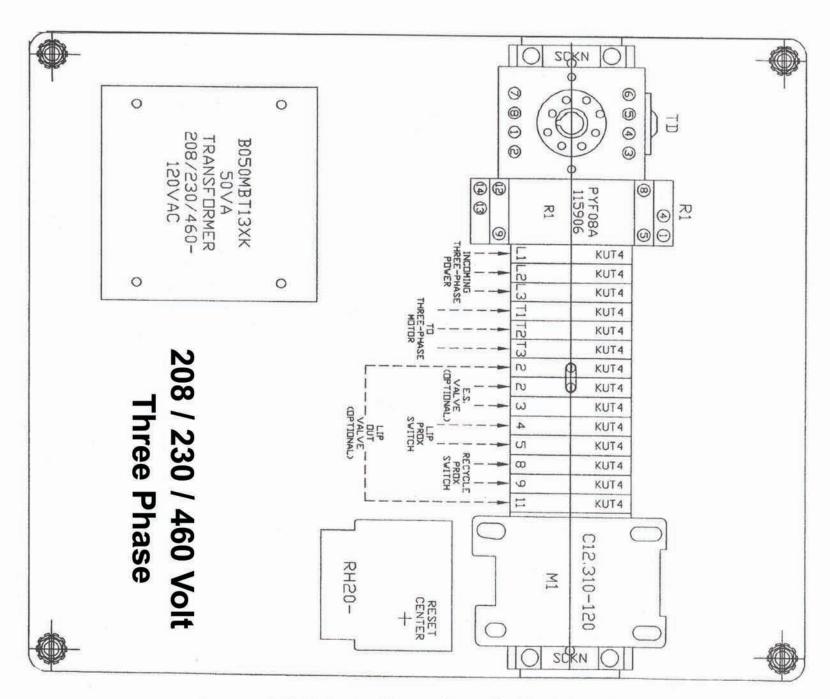
Chart and illustration provided and copyrighted by General Cable Technologies Corporation,

makers of Romex(R) brand cable.



Beacon BHD5 Series Heavy Capacity Dock Leveler







Read and follow the safety procedures in this manual before doing any service or repair to the dock leveler. ALWAYS SECURE LEVELER WITH MAINTENANCE STRUT BEFORE CLIMBING INTO THE DOCK LEVELER PIT OR DOING ANY MAINTENANCE OR REPAIR UNDER THE DOCK LEVELER. Failure to do so could result in serious injury and/or death.

SYMPTOM:	PROBABLE CAUSE:	CORRECTION:
RAMP WILL NOT RAISE FROM STORED POSITION:	Incorrect or disconnected electrical hook-up.	Review wiring diagram and check connections.
Motor not running in Normal mode when Operate button is pressed.		
	Blown fuses or open circuit breaker.	2. Replace bad fuses.
		Reset circuit breakers.
		Determine and correct other electrical problems.
	3. Loss of line voltage.	Check lines and repair if necessary.
	Open overload relays on motor	4. Allow to cool.
	starter in control panel.	Push "RESET" button located in control box.
	5. Burned motor.	Determine cause of burn-out.
		Correct problem.
		Replace motor. (Contact factory.)

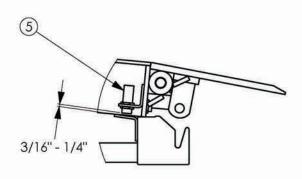
SYMPTOM:	PROBABLE CAUSE:	CORRECTION:
RAMP WILL NOT RAISE FROM STORED POSITION: Motor not running in Below Dock mode when Operate button is pressed.	Lip proximity switch out of adjustment.	To check proximity adjustment. Place selector switch in Normal mode. Press and hold Operate button until unit is fully raised. Place maintenance strut in postiion. Push and release Operate button in short repetitions until lip closes. Refer to Figure G, Proximity sensor gap specification, page 13.
		Caution: Be sure to maintain clearance between proximity sensor and sensor tab as specified in Figure G. Failure to do so could result in damage to the sensor.
	2. Lip proximity switch has loose wire.	Reconnect wire, if loose. Check junction box under leveler and terminal strip in control box.

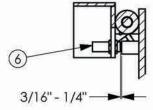
^{*}Hydraulic valve adjustments are normal maintenance and are not covered under warranty.

SYMPTOM:	PROBABLE CAUSE:	CORRECTION:	
RAMP WILL NOT RAISE OR LIP WILL NOT EXTEND FULLY: Motor running or humming in normal mode (1 ph motor)	Voltage drop, probably due to insufficient line capacity, resulting in blown fuses, tripped circuit breakers or motor hum.	Test voltage at motor starter with motor running. Test for amperage drain. (Low voltage/high amperage indicates inadequate feed line for distance of run.) Replace feed line with adequate wire size.	
(1 ph motor) (3 ph motor)	Wrong rotation. Wrong rotation.	See wiring instructions on motor Reverse T1 and T3 at terminal strip. (See Figure H, page19)	
(3 ph motor)	3. Motor single-phasing.	Check for bad fuse or loss of power in one line due to loose connections or tripped breakers or overloads.	
(1 ph or 3 ph motor)	4. Load on ramp.	Remove the load. Ramp is not designed to lift more than its own weight.	
(1 ph or 3 ph motor)	5. Low fluid.	Refill if needed. Check fittings and hoses and tighten if loose.	
(1 ph or 3 ph motor)	6. Motor or pump physically damaged.	6. Replace.	
RAMP WILL NOT AUTOMATICALLY RETURN FROM BELOW DOCK:	Unit is not designed to automatically return when selector is in Below Dock mode.	Return switch to Normal position. Unit will now automatically recycle and store at floor level.	

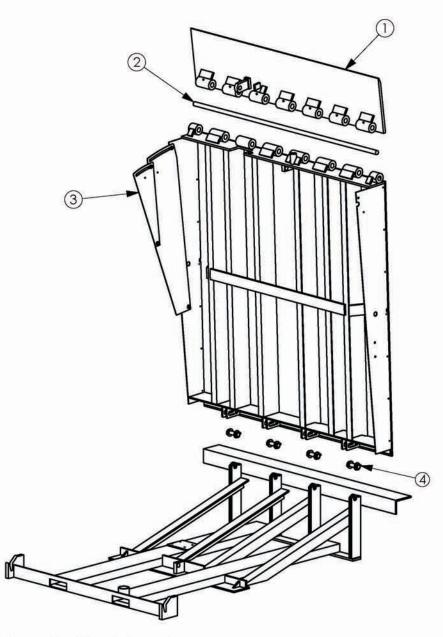
SYMPTOM:	PROBABLE CAUSE:	CORRECTION:	
RAMP WILL NOT LOWER AFTER BEING FULLY RAISED:	Physical obstruction.	Check and remove. (Always use maintenance strut for safety.)	
	Safety stop in hydraulic fittings has locked up.	Push and release the Operate button to unlock and allow the unit to descend. If symptom persists, consult factory.	
LIP SAGS WHILE UNIT IS DESCENDING TO TRUCK: OR RAMP EXPERIENCES LONG DELAY BEFORE RAISING:	Air in hydraulic system.	While unit is descending with lip extended, switch selector to Below Dock mode. When unit has reached bottom, push lip down. Now lift and drop the lip four times. Check lip sag by operating in Normal mode. If sag persists, consult factory.	
RAMP WILL NOT RETURN AUTOMATICALLY WHEN TRUCK DEPARTS Motor not running, in Normal mode	Recycle proximity switch out of adjustment or has loose wire.	To store unit: Push and hold the Operate button until the lip closes and deck raises approx. 5" above floor. Release button. Unit will store. To check adjustment, raise unit in Normal mode until lip extends. As unit is descending, switch to Below Dock mode. Unit will fully descend with lip extended. Refer to Figure F, proximity sensor adjustment, page 11, or reconnect wire, if loose.	
Motor humming in Normal mode	Timer relay set too low. Insufficient line voltage.	Caution: Be sure to maintain clearance between proximity sensor and sensor tab as specified in Figure F. Failure to do so could result in damage to the sensor. 2. Turn dial clockwise and test. 3. See systom 1 at top of page 22. (Motor running or humming in Normal mode.)	

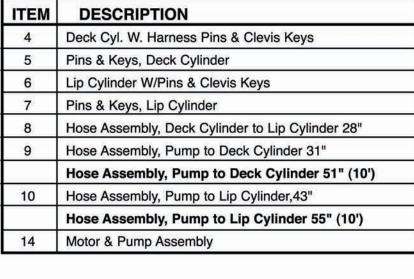
ITEM NO.	DESCRIPTION	
1	LIP PLATE ASSY, 16"	
2	LIP HINGE PIN	
3	FULL RANGE TOE GUARDS DECK REAR HINGE KIT	
4		
5	PROXIMITY SENSOR, DECK RECYCLE	
6	PROXIMITY SENSOR, LIP	











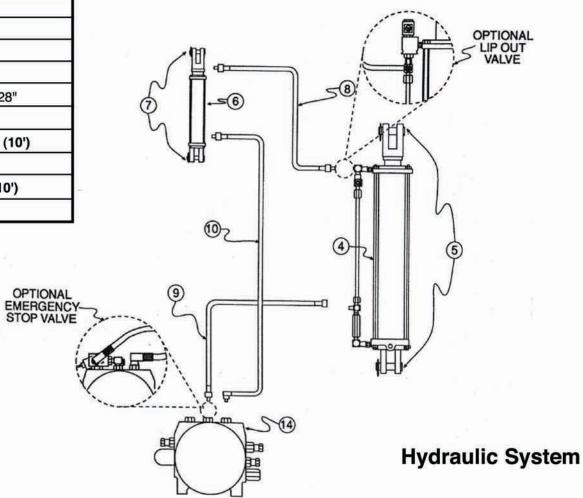


FIGURE J



THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO AVOID POSSIBLE INJURY AND/OR DEATH.

MARNING

INDICATES A POTENTIALLY HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN SERIOUS INJURY AND/OR DEATH.



KEEP THIS MANUAL AND ALL SAFETY PROCEDURES IN A SECURE LOCATION
WITH EASY ACCESS.



WARNING! READ AND UNDERSTAND THIS ENTIRE MANUAL PRIOR TO OPERATING.



WARNING! A DOCK LEVELER CAN BE A POTENTIAL THREAT TO PERSONS AND PROPERTY, IF NOT USED PROPERLY. SAFE OPERATOR.



WARNING! DO NOT ENTER THE AREA IN FRONT OF OR BELOW THE DOCK LEVELER. SERIOUS PERSONAL INJURY AND/OR DEATH MAY RESULT.



WARNING! DO NOT ATTEMPT TO INSTALL, MAKE REPAIRS OR ADJUSTMENTS. ONLY A TRAINED AND AUTHORIZED SERVICE TECHNICIAN SHOULD PERFORM REPAIRS OR ADJUSTMENTS. ONLY A QUALIFIED CONTRACTOR/SUB-CONTRACTOR SHOULD PERFORM THE INSTALLATION PROCESS. CONTACT YOUR LOCAL DEALER FOR ASSISTANCE.

Beacon BHD5 Series Heavy Capacity Dock Leveler



Safety Procedures

serious bodily injury and/or death. WARNING: Read and understand all safety practices and operating instructions safety practices and operating instructions may result in property damage Before installing, operating or servicing the dock leveler. Failure to follow the

If you do not understand the safety procedures or the instructions, ask your supervisor to explain the safety procedures and/or teach you how to use the



any installation, operation or servicing of this unit. and/or operation. If this is not the case, it is IMPERATIVE that the installer and/or opertor understand all warning and caution statements contained in this manual prior to read, and fully understand, the entire contents of this manual. function and various parts of the Beacon Pit Leveler PRIOR to installation CAUTION: The installer and/or operator MUST be very familiar with the operation Be certain to read and

- _ Do not operate this equipment while under the influence of drugs or alcohol
- 2 away. Do not stand in the driveway between the dock leveler and a truck backing in or pulling
- W device, before attempting to load or unload the truck. Be sure the truck wheels are chocked, or the truck is held in place by a restraining
- 4 Do not use the dock leveler if it looks broken or does not seem to work right Lockout/tag out the defective equipment. Tell your supervisor immediately.
- S lip or in front of the leveler. Do not operate the leveler with equipment, material or people on the platform and/or
- 0 allowing a truck to pull out. Be certain that equipment, material or people are not on the dock leveler before
- 7 injury. If in doubt, do not do it! or legs in the position where a moving dock leveler or a moving load could cause Keep clear of the dock leveler when it is moving. Never place your hands, arms, feet,
- 00 representative. manual, do not use the dock leveler. Contact your authorized Beacon If the dock leveler is not working properly, using the operation instructions in this
- 9 placement of maintenance strut. Never attempt to work under the dock leveler, for service or repair, without proper
- 10 Damage to the dock leveler, personal injury or death can result from abuse and/or negligent use of this equipment.
- コ If you have any questions, or if a malfunction occurs which is not understood, ask PRIOR to attempting any corrective measures your supervisor to contact your authorized Beacon representative for assistance



Beacon Industries, Inc. 12300 Old Tesson Rd. St. Louis, MO 63128

Ph: 314-487-7600 Fax: 314-487-0100

5.1 Beacon Industries, Inc. Limited Warranty

Beacon Industries, Inc. warrants that this BHD5 Series Dock Leveler will be free from defects in design, materials and workmanship on all structural parts for a period of exactly five (5) years from date of shipment. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be detected and in no event more than five (5) years after shipment. This warranty is extended to the original purchaser of this product and is non transferable.

Beacon warrants that this BHD5 Series Dock Leveler will be free from defects in design, materials and workmanship on all hydraulic parts for a period of exactly one (1) year from date of shipment. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be detected and in no event more than one (1) year after shipment.

Beacon warrants that this BHD5 Series Dock Leveler will be free from defects in design, materials and workmanship on all electrical parts for a period of exactly one (1) year from date of shipment. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be detected and in no event more than one (1) year after shipment.

In order to be entitled to the benefits of this warranty, the unit must have been properly installed, maintained, operated within its capacity, and not otherwise abused. Ninety (90) day periodic maintenance and adjustment is the sole responsibility of the owner.

This warranty is Beacon's exclusive expressed warranty.

Beacon expressly disclaims all implied warranties including the implied warranties of merchantability and fitness.

In the event of any defects covered by this warranty, Beacon will remedy such defects by repairing or replacing any defective equipment or parts, bearing all of the costs for parts, from Beacon to site. This shall be the exclusive remedy for all claims whether based on contract, negligence, or strict liability. Beacon shall not, in any event, be liable for any loss of the use of any equipment or incidental or consequential damages of any kind.



5.1 Beacon Industries, Inc. Limited Warranty Cont'd.

Maintenance and validation by original purchaser is required to keep Warranty in effect. In order to keep this Warranty in effect, the original purchaser must do two things:

First: The original purchaser must have the BHD5 Series Dock Leveler maintained and serviced as prescribed in the Owner's Manual.

Second: The original purchaser must present the seller with a maintenance schedule to show that the BHD5 Series Dock Leveler has been maintained and serviced in accordance with the Beacon's Owner's Manual. The validated maintenance schedule must be submitted whenever a claim is made under this Warranty.

Items not covered by Warranty. The seller does not cover:

(i) Defects, damage or deterioration due to normal use, wear and tear or exposure; (ii) normal maintenance services; (iii) the replacement of service items, i.e., fluid; (iv) damage or defects due to misuse, water damage, electrical power supply surges, improper installation, alteration, negligence or accident; and (v) damage or defects due to the repair of the BHD5 Series Dock Leveler by someone other than an authorized dealer or the installation of parts other than genuine Beacon part.

No other warranties made. This Warranty is in lieu of all other express or implied warranties of The Beacon BHD5 Series Dock Leveler, the manufacturer and the selling dealer, including any implied warranty of merchantability or fitness for any particular purpose. Neither Beacon Industries, Inc. assumes, or authorizes any person to assume, on its behalf, any other obligation or liability.

Some states do not allow the exclusion on limitation of implied warranties or liability for incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This Warranty and, any and all claims that may arise shall be construed according to the laws of the State of Missouri, USA.

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