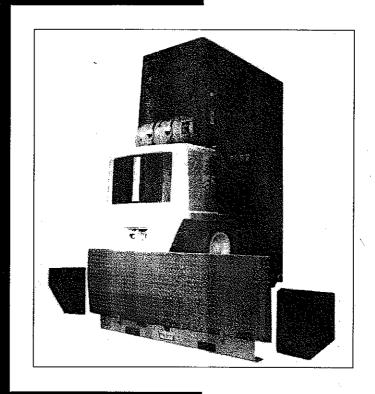
# McGUIRE ATG-3000™

HYDRAULIC DOCK LEVELER



# OWNER'S MANUAL & INSTALLATION GUIDE

**IMPORTANT:** Thoroughly read and understand entire contents of this manual prior to installation and/or operation of this equipment.

**CAUTION:** Be sure that installation and maintenance are performed by authorized personnel.

## TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
Introduction	Contents; Introduction	2
Installation	Installation Instructions Pit Detail; Bumper Mounting Diagram Shim Location Diagrams Bumper Mounting Details Hydraulic & Electrical Specifications Motor Pump Adjustments Control Panel Electrical Schematics	
Operation & Adjustment	Operation Instructions Initial Run-in Procedure Maintenance & Service Trouble Shooting Switch Arrangements	21 21-22 23-24
Components & Parts	Lower Frame Components  Exploded View - ATG 3000 Deck  ATG 3000 Parts List  Exploded View - Hydraulic System  Hydraulic System Parts List  Switch Assembly Parts  Control Panel Parts  Warranty	

## INTRODUCTION

Do not install, operate or service this McGuire ATG-30O0™ Series Hydraulic Dock Leveler until you have read and understand the entire contents of this manual.

Congratulations! You have purchased one of the industry's finest hydraulically operated and safety oriented dock levelers, the ATG-3000Tm Series from W. B. McGuire Company, Inc. When properly installed, serviced and operated, this leveler can offer substantially improved dock safety conditions. The ATG-3000 Series is the result of the efforts of many skilled workers and its design, manufacture, safety aspects and full hydraulic operation are regarded with pride by the W. B. McGuire Co., Inc.

The ATG-3000 Series by McGuire is a different concept in dock safety equipment, designed to provide a safer work place for personnel involved at shipping and receiving dock areas. All safety considerations should be observed by all those who install, operate and service this equipment. Even well-built products can be installed, operated and/or serviced in a less than safe manner. Read this manual completely through to understand all installation, operation and maintenance instructions and functions before attempting to install, operate or service this hydraulic dock leveler. Pay special attention to all warnings and/or caution statements.

Important Note: McGuire recommends the use of minimum 4" -thick bumpers with this equipment.

Contact your authorized McGuire distributor (or a McGuire Technical Support Representative at 1-800-929-2553) for the answer to any questions.

## **DEFINITION AND FUNCTION**

The McGuire ATG-3000 Series hydraulic leveler is designed with a solid steel 8"-high lip barrier that is automatically in place in the stored and the below dock position. Its function is to aid in the prevention of possible accidents at the dock. A velocity fuse in the hydraulics system locks all motion of the platform, within 1 " to 3" if a truck prematurely departs with a load on the platform. Other safety features include full-range, safety marked toe guards, a built-in inspection leg and an automatic night lock feature to aid in the prevention of building break-in attempts at the dock.

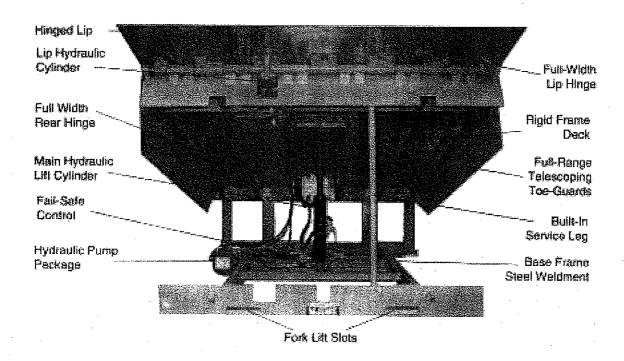
The leveler is push button operated from a wall mount control panel and is fully electro-hydraulic operated. It comes complete with independent lip control, that allows extension of the lip at any point in the cycle, and a push/pull type emergency stop button that allows the operator to stop all motion at any point in the cycle. A selector switch on the control panel allows automatic positioning for a below-dock, end-load cycle. The automatic return-to-dock feature insures safe cross-traffic positioning at the end of a loading cycle.

The unit is powered by a 1 HIP single or three phase electric motor with manifold block and a reservoir that is directly coupled to the motor via the manifold block. The main lift cylinder raises and lowers the platform. The lip cylinder extends, supports and retracts the lip. Flexible hosing connects both cylinders to the power unit.

Electrical leads from motor/pump and integral control switches are factory wired, ready for hook up to junction box provided by others at the rear of the pit. The control panel is factory wired to work in conjunction with the motor/pump.

Important Note: Connections between terminals in the control panel and the pit junction box are not furnished by McGuire. This must be done prior to installation of the ATG-3000 series hydraulic unit. Connections between terminals in the control panel and the main power line are also not furnished by McGuire. Have a question? Call McGuire Customer Service at 1-800-929-2553.

## COMPONENT IDENTIFICATION



## **OVERVIEW OF POTENTIAL HAZARDS**

Read this manual completely before attempting to install, use or service this equipment. Give special attention to all warnings and safety instructions. If you do not understand an instruction or have questions, contact your local representative or the W. B. McGuire Technical Support Team immediately at 800-929-2553.

In this Section and those that follow, the words Danger, Warning, and Caution are used to emphasize important safety information. The word:

DANGER means that severe injury or death will result from failure to follow instructions.

WARNING means that severe injury or death can result from failure to follow instructions.

CAUTION means that property damage or injury can result from failure to follow instructions.

The word NOTE is used to indicate important steps to be followed or important considerations.

fixed or heavy object (like a forklift or a boom truck) rated at lifting/holding a minimum of 3,500-lbs, the maintenance leg has been installed, and the power is turned off and locked out, the work area has been barricaded and "dock out of service" signs placed.  Always raise and support the ramp with the hydraulic system before removing the safety pin or maintenance leg. Remove chains or slings as the last step prior to returning the leveler to service.  WARNING: can cause serious injury or death.  MOVING EQUIPMENT  Cause serious injury or death.  MOVING EQUIPMENT  Cause serious injury or death.  MOVING EQUIPMENT  Keep hands and feet clear of pinch points.	POTENTIAL HAZARD	EFFECT	PREVENTION
Always raise and support the ramp with the hydraulic system before removing the safety pin or maintenance leg. Remove chains or slings as the last step prior to returning the leveler to service.  WARNING: can cause serious injury or death.  Do Not stand between truck and dock when truck is entering or leaving.  Keep hands and feet clear of pinch points.  Turn and Lock Out Power before touching wires or working in box injury or death.  If no power disconnect is provided, station a second person by the control panel to insure no unauthorized use.	九	cause serious	Do Not attempt to work on leveler until:  the ramp has been braced open, from overhead, with chains or slings attached to a fixed or heavy object (like a forklift or a boom truck) rated at lifting/holding a minimum of 3,500-lbs,  the maintenance leg has been installed, and the power is turned off and locked out,
Cause serious injury or death.  Do Not stand between truck and dock when truck is entering or leaving.  Keep hands and feet clear of pinch points.  Turn and Lock Out Power before touching wires or working in box injury or death.  If no power disconnect is provided, station a second person by the control panel to insure no unauthorized use.	MOVING RAMP		Always raise and support the ramp with the hydraulic system before removing the safety pin or maintenance leg. Remove chains
DANGER: will cause serious injury or death.  Turn and Lock Out Power before touching wires or working in box  If no power disconnect is provided, station a second person by the control panel to insure no unauthorized use.	N	cause serious	Do Not stand between truck and dock when truck is entering or
DANGER: will cause serious injury or death.  If no power disconnect is provided, station a second person by the control panel to insure no unauthorized use.			Keep hands and feet clear of pinch points.
SHOCK		cause serious	

#### SAFETY INSTRUCTIONS

#### Before Operation or servicing

- Read manual carefully. Only trained and certified personnel should use this equipment.
- Do not stand in between truck and dock when the truck is moving.
- 3 Be sure the truck wheels are chocked, and/or the truck is held in place by a restraining device before attempting to load or unload the truck
- Do not use the leveler if it looks broken or does not seem to work right, inform your supervisor immediately.

#### Operation and After Operation

- 1. Keep clear of restraint while it is moving.
- Do not operate the leveler while personnel or equipment are on the ramp or near the leveler.

- If a malfunction occurs, discontinue using the leveler immediately, inform your supervisor and contact your authorized McGuire representative before attempting any corrective measures.
- Before allowing the truck to move, make sure the leveler is clear, then raise and store the leveler.

#### Maintenance

- 1. Barricade the dock area before working on unit.
- Turn off and lock out power before working on unit.
- Always brace the ramp open with chains or slings and use the maintenance leg before working on the leveler;
- Schedule periodic inspections to check for worn parts or damage. Observe maintenance recommendations and specifications.

## SAFETY PRACTICES



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

It you do not understand the safety practices or the instructions, ask your supervisor to explain the safety practices and/or teach you how to use the dock leveler.



CAUTION: The installer and/or operator MUST be very familiar with the operation, function and various pans of the McGuire ATG-3000 series hydraulic leveler PRIOR to installation and/or operation. It this is not the case, it is IMPERATIVE that the installer and/or operator read, and fully understand, the entire contents of this manual. Be certain to read and understand all warning and caution statements contained in this manual prior to any installation, operation or servicing of this unit.

- 1. Do not operate this equipment while under the influence of drugs or alcohol.
- 2. Do not stand in the driveway between the dock leveler and a truck backing or pulling away.
- 3. Be sure the truck wheels are chocked, or the truck is held in place by a restraining device, before attempting to load or unload the truck.
- 4. Do not use the dock leveler if it looks broken or does not seem to work right. Tell your supervisor immediately.
- 5. Do not operate the leveler with equipment, material or people on the platform and/or lip or in front of the leveler.
- 6. Be certain that equipment, material or people are not on the lock leveler before allowing a truck to pull out.
- 7. Keep clear of the dock leveler when it is moving. Never place your hands, arms, feet or legs in a position where a moving dock leveler or a moving load could cause injury. If in doubt, do not do it!
- 8. Do not attempt to manually lift the dock leveler platform or lip, with personnel or other equipment. If the dock leveler is not working properly using the operation instructions in this manual, do not use the dock leveler. Contact your authorized McGuire representative.
- Check to be sure the dock leveler automatic return to dock level feature has returned the dock leveler to its level, stored position after loading or unloading is completed and the truck has pulled away.
- 10. Never attempt to work under the dock leveler, for service or repair, without proper placement of the attached service leg or other safety bracing.
- 11. It power disconnect is provided, by others, place in the OFF position and tag control panel OUT OF SERVICE prior to doing any work under the dock leveler. If no power disconnect is provided, a second person should be stationed by the control panel to insure no unauthorized use.
- 12. Damage to the dock leveler, personal injury or death can result from abuse and/or negligent use of this equipment.
- 13. If you have any questions, or if a malfunction occurs which is not understood, ask your supervisor to contact your authorized McGuire representative for assistance PRIOR to attempting any corrective measures.

# **INSTALLATION INSTRUCTIONS**



CAUTION: Installation to be performed by authorized, experienced installation personnel ONLY.



**WARNING:** Always Use Safe Work Habits. Read and understand entire contents of this manual, paying particular attention to all warning, caution and important statements before attempting to install or operate this dock leveler. Always support the dock leveler using the attached service leg, or other safe support means, before attempting to work under the leveler. Failure to observe these and other safe work habits may result in property damage, personal injury or death.

#### **Equipment Check**

 Check the dock leveler for any possible damage that may have occurred in transit. If any damage, contact your supervisor for proper handling. DO NOT INSTALL A DAMAGED DOCK LEVELER. NOTE: Make sure the dock leveler control panel and dock bumpers are present.

#### Pit Check

- 1. Check the pit for proper construction. Clean out any debris. Check the pit walls to be sure they are square and plumb.
- 2. Measure the pit dimensions per certified pit drawings or from the pit dimensions on page 6. Any parts of the pit that do not conform should be changed before the dock leveler is installed.

#### **Control Panel**

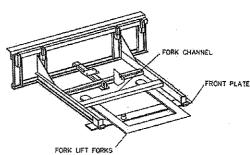
- 1. Install the control panel at this point. W.B. McGuire recommends either a wall mount or on a stand, by others.
- A certified electrician can now connect the control panel to the main power lead in and pull the proper leads, from wiring diagram, through conduit and into junction box at rear of pit. Check proper wiring diagrams in this manual for proper connection.
  - NOTE: Factory recommendation is for motor leads to extend from junction box for temporary power source.

#### Installation of Leveler and Bumpers

- Move the leveler into the pit using a fork truck. Insert the forks at the front of the leveler over the front flat and under the fork channel. See diagram. Position the dock leveler so that the rear of the frame is approximately 36" from the rear of the pit.
- 2. A certified electrician can now connect the temporary extended motor leads from the junction box to leads in rubber covered cable from the dock leveler motor. See Proper wiring diagram.
- 3. Leaving the rear of the leveler approximately 36" from the rear of the pit, back the fork truck out approximately 24" but maintain forks in fork slots.
- At this point the wiring and operation of the dock leveler can be checked. See operating instructions on page 11.
   NOTE: On three (3) phase current, check for proper motor rotation per appropriate wiring diagram.

If leveler does not raise when pump is energized the rotation is wrong, Correct by reversing two power leads to motor.

- 5. Once proper operation is obtained, the leveler can now be moved to within approximately 12" from the rear of the pit. A certified electrician can now complete the permanent wiring of the dock leveler, per the appropriate wiring diagram, and close the junction box.
- 6. Position the dock leveler to allow 1" clearance between each side of leveler and pit side walls. Put leveler rear frame angle tight against the rear pit curb angle.



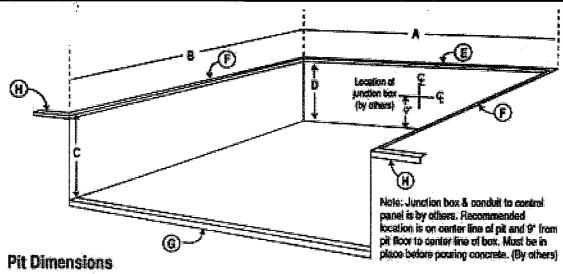
# INSTALLATION INSTRUCTIONS (CONTINUED)

- Installers can now tack weld the rear angle of the leveler to the rear curb angle of the pit at both sides.
- 8. Once tack weld at rear is complete the front of the leveler can be shimmed to the proper height, flush with the dock. See shim locations on page 8.
- 9. At this point the fork truck can be taken out of the way.
- Operate the dock leveler, using the operate button on the control panel, raise it to its full up position and allow the lip to extend.
- 11. Use attached service leg, or other safe support means, to support leveler platform in the raised position. Refer to component identification section for placement.
- 12. Shim all remaining weight transfer points to the proper height. See shim locations on page 8. The leveler may have to be stored and checked for proper height. If not level with dock, add or remove shims as required.
- 13. Once leveler is shimmed to proper height and platform is again safely supported in the raised position, you can proceed to final weld of shims and of leveler to rear curb angle.
- 14. At each rear frame support weld shims together and weld them to the leveler base frame. At the main cylinder clevis weld shims together and weld to leveler base frame. At front curb angle, weld shims together and weld to leveler base frame and to the front curb angle of the pit.
- 15. Final weld the upper rear frame angle of the leveler to the rear curb angle of the pit. 6" weld on 12" centers or 8" weld on 16" centers is recommended. Weld pattern must start at outside edge each side and will vary by leveler width.
- 16. Spot paint the front curb angle shim weld area. Spot paint the rear curb angle weld area.
- 17. At this time check all hydraulic hoses for integrity and check all hydraulic fittings for tightness.
- 18. Operate leveler to store service leg and allow leveler to automatically return to stored, dock level position, if equipped.
- 19. Mount the bumpers to the dock face, locating the top of the bumpers flush with the top of the dock or a minimum of 48" above grade line of driveway.
- will of

**CAUTION:** If the dock line is lower than this dimension, adequate bracing behind the bumpers will be required to maintain the 48" dimension. If unsure contact the factory. Mount inside edge of bumper flush with pit side wall. See drawing on page 7.

- 20. Operate leveler through several complete cycles after installation to check for consistent operation. Check operation of below dock cycle. Check operation of independent lip feature and emergency stop feature if equipped. IF ANY OF THE ABOVE CYCLES DO NOT WORK AS DESCRIBED UNDER DOCK LEVELER OPERATION, CONTACT A W.B. McGUIRE TECHNICAL SUPPORT REPRESENTATIVE AT 1-800-929-2553.
- 21. As a final step in the installation cycle get an official at the site to review the proper operation and installation of the dock leveler.

# PIT DETAILS AND DIMENSIONS



	6x6	õrs	6x10	6.5x6	6.5x8	6.5x10	725	7x8	7210
A	74*	74*	74"	907	<b>80</b> °	80"	85	95	85*
B	65*	89*	112	65*	89"	113*	65	89°	113
C	24"	24*	24"	24*	24	24*	24*	24"	24"
D	23.5	23.5"	23.5	29,5°	215*	23.5*	235	23.5	23.5

Note: For Lowboy' models, D = 19", C = 19 1/2" for all sizes.

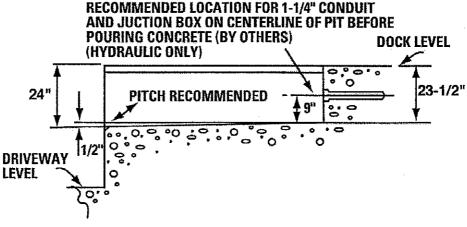
## PIT Steel (curb angles) by contractor or optional by McGuire

	Quant	6x6	6x8	6x10	8.5x6	6.5x0	6.5x10	716	7x8	7x10
Ē	One	80-	80	<b>80</b> "	86"	86"	\$6°	91	91"	91"
F	Two	65"	<b>89</b> "	113	65"	89"	113"	65*	89"	113
Ğ	Qna	74*	74*	74*	80"	ØÖ"	80"	65*	85"	85*
H	Two	18"	16"	18	<b>10</b>	18*	18"	19"	18"	18"

Note: Pit sleet curb angles to be minimum 3" x 3" x 1/4, angles to have 1/2" dia x 6" long steet anchors at 12" max, content

# **BUMPER MOUNTING DETAILS & DIMENSIONS**

### 24" PIT



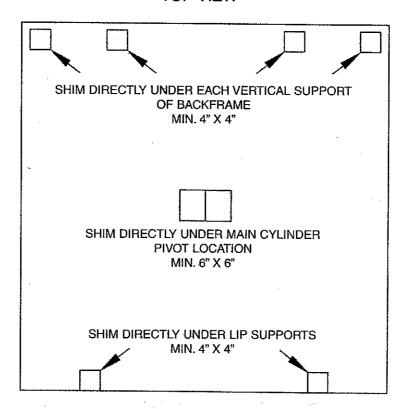
SECTION "X-X"

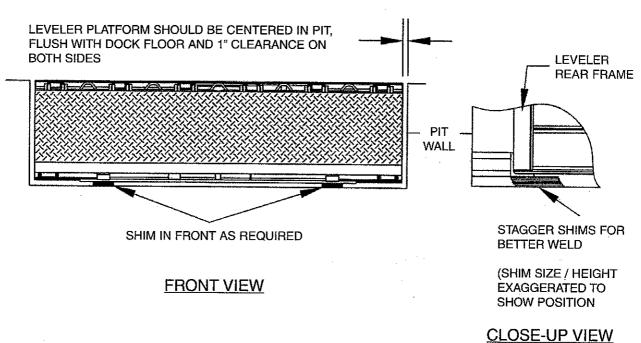
# SHIM LOCATIONS

**Installation Information:** Diagram below shows required shim positions to provide proper weight transfer to pit floor. (Shims to be various thicknesses of mild, hot rolled steel, supplied by others.)

**Notes:** All shims must be tight under frame. Weld shims in place to assure against frame shim movement. Weld to bottom frame & pit steel as indicated under "Installation Instructions."

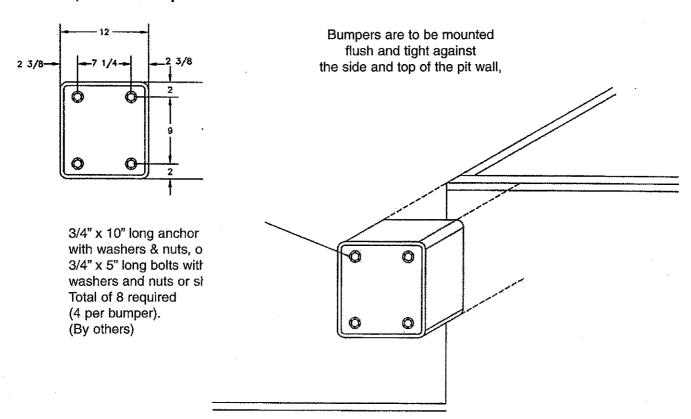
### **TOP VIEW**



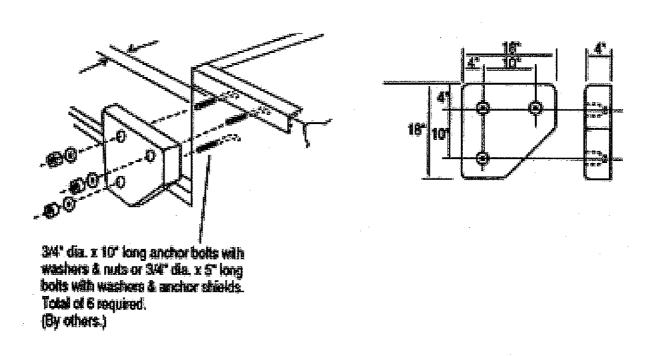


# BUMPER MOUNTING DETAILS & DIMENSIONS

4" thick, 4-holed bumpers are standard.



"AD" Bumper. Optional equipment to the standard above.



## **HYDRAULIC & ELECTRICAL SPECIFICATIONS**

### **Component Specifications**

Motor: 1 HP, TENV, No. 56 frame, 15 minute duty cycle

Return Switch: Maintain-contact type oil-tight enclosure, spring-arm actuation with adjust

able tripper arrangement.

Lip Control Switch: Momentary contact, oil-tight enclosure. Actuated by lip cylinder

Fluid Content: Aircraft hydraulic fluid type BB, pour point -75 degrees F.

Replacement Hydraulic Fluid: Aircraft hydraulic fluid type BB (available from the factory).

Acceptable substitutes:\*\* Automobile automatic transmission fluid Type F (Ford

Motor Company cars) or Dextron.

"Adding transmission fluid to aircraft fluid is acceptable.



CAUTION: Do not use any hydraulic fluids not mentioned above.

## **Tank Capacity**

35, 45, 60 & 75,000 lb. levelers . . . . 4 quarts

### Tank-full Line (deck up)

Clear plastic reservoir for easy site reference



### **Motor Electrical Specifications**

Motor				Amp. Draw	Elect. Serv.
Voltage (AC)	RPM	Hz	Phase	Motor Running	Amperage Req.
115	3450	60	1	19	30*
230	3450	60	1	10	20
208-220-240	3450	60	3	8	10
440-460-480	3450	60	3	3.6	10
380	2850	50	3	3.6	10

**Caution:** Sufficient voltage must reach the Leveler Control Panel to operate the 1 HP motor. Voltage drop caused by a long wire run or undersize wire will increase the amperage draw and trip the breaker. Consult electrical conductor selection chart below and Trouble Shooting section on page 17.

### **Guide to Wire Size**

Length of Run In Feet	120 Volt/30 Amp 1 Phase Wire size	240 Volt/19 Amp 1 Phase Wire Size	240 Volt/16 Amp 3 Phase Wire Size	460 Volt/6 Amp 3 Phase Wire Size
0 - 25	#10	#10	#12	#12
25 - 45	#8	#10	#10	#10
45 - 75	#6	#8	#10	#8
75 - 120	#6	#8	#8	#8
120 - 150	NR	#6	#6	#6
150 - 220	NR	NR	NR	NR

Values are for Copper THHN wire only. NR = Not Recommended



**CAUTION:** Sufficient voltage must reach the Leveler Control Panel to operate the 1 HP motor. Voltage Drop caused by long wire runs or undersized wire increase the Amp draw and will cause the breaker to trip and/or more serious damage to occur. Therefore, it is important for installation to be done to meet all codes by a Licensed Electrician.

**IMPORTANT NOTE:** The Values given are intended to only be a guide. Be sure to check all electrical Codes before installation. This chart indicates the length of branch circuit having a 2% voltage drop at full load (start up) current in feet. Values are for THHN copper wire only.

# MOTOR PUMP ADJUSTMENTS

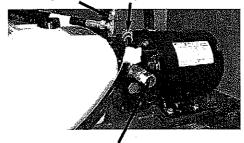
## **Left Side Adjustments**

#1 Lip Valve #3 Relief Valve

Main Cylinder Lip Cylinder Fluid Tank

**Right Side Adjustments** 

Main Cylinder Lip Cylinder



#2 Sequence Valve Adjustment

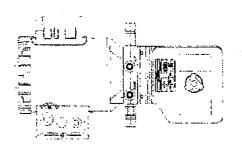
Attention: Contact The McGuire Tech help Line if you have questions at 1-800-929-2553.

#4 Shuttle Valve

Description	Purpose	Adjustment
#1 Lip Valve	Allows lip retraction.	Remove cap and loosen lock nut. Turn adjusting screw "in" or clockwise to decrease lip retract travel. Turn adjusting screw "out" or counterclockwise to increase lip retract travel. Tighten lock nut and cap making sure o-ring is present. Torque to 7-12 pound-feet.
#2 Sequence Valve	Controls the timing of lip out-swing.	Remove cap and loosen lock nut. Turn adjusting screw "out" or counterclockwise to cause swing to begin sooner. Turning adjusting screw "in" or clockwise will delay the beginning of lip swing out. Tighten lock nut and cap making sure o-ring is present. Torque to 7-12 pound-feet.
#3 Relief Valve	Controls maximum pressure in system.	Contact W. B. McGuire before any adjustment is attempted. This valve is preset at the factory. <b>Do Not Adjust.</b>
#4 Shuttle	Controls the lowering speed of the main platform.	Remove the cap and loosen lock nut. Turn screw "out" or counterclockwise to decrease the rate of descent. Turning Adjusting screw "in" or clockwise will increase the rate of descent. Tighten lock nut and replace cap making sure o-ring is present. Torque to 7-12 pound-feet.

Addendum to McGuire HTH, MKA, H and ATG Series Dock Levelers - issued November 2002

#### **VIEW FROM TOP**

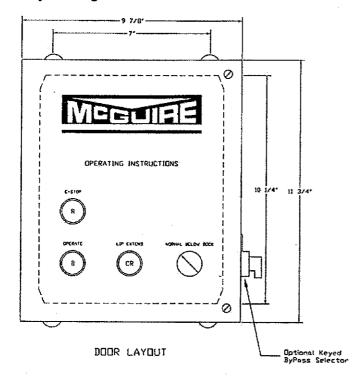


### **CROSS SECTION**

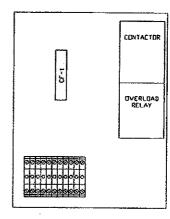
To main platform cylinder To lip cylinder 1) Adjustable lip 2) Adjustable check valve sequence valve controls lip controls timing of retract travel lip swing out. 3) Adjustable relief valve reg-5) Pilot operated ulates pump check valve pressure allows for lip retract while 4) Adjustable raising platform. shuttle valve No adjustment. controls main 6) Anti-motorizing check valve platform lowerkeeps leakage from shuttle from ing speed piloting open the pilot to open check valve. No adjustment.

# CONTROL PANEL

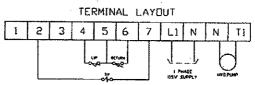
### Layout Diagram: 1 Phase 115 Volt ESIL Panel



### Drawing # 112-384SPL

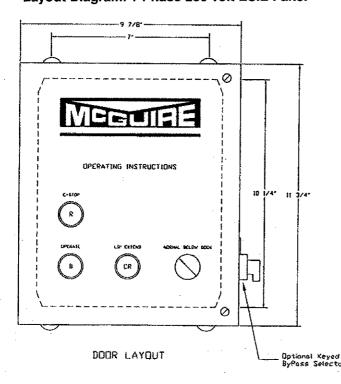


BACK PANEL LAYOUT

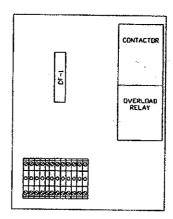


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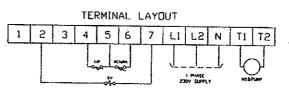
### Layout Diagram: 1 Phase 230 Volt ESIL Panel



### Drawing # 112-385SPL



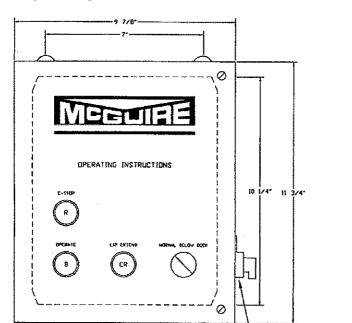
BACK PANEL LAYOUT



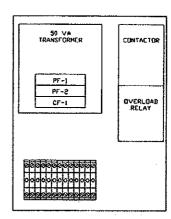
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# **CONTROL PANEL (Continued)**

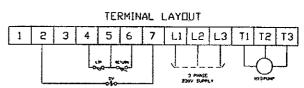
### Layout Diagram: 3 Phase 230 Volt ESIL Panel



### Drawing # 112-386SPL



BACK PANEL LAYOUT

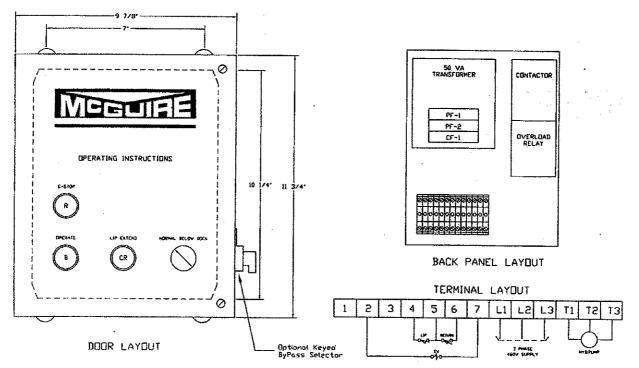


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### Layout Diagram: 3 Phase 460 Volt ESIL Panel

DOOR LAYOUT

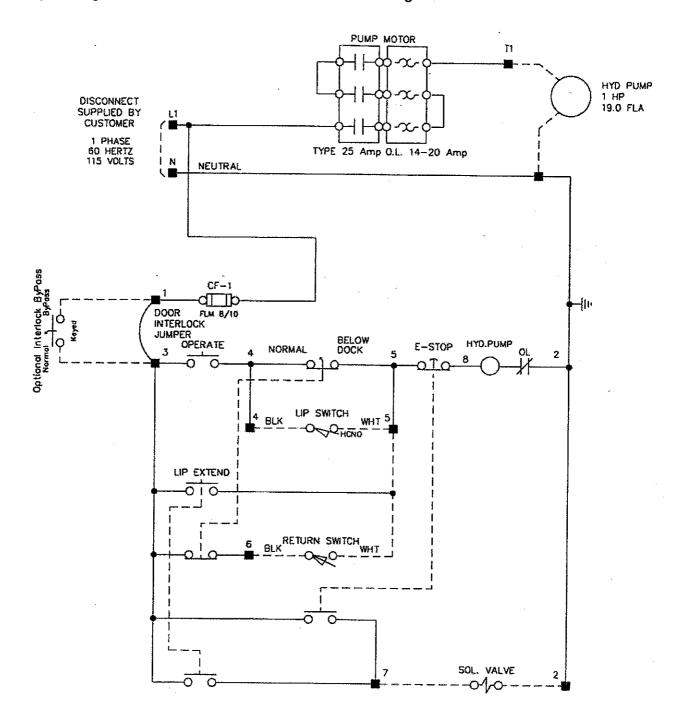
## Drawing # 112-387SPL



# WIRING SCHEMATIC

Layout Diagram: 1 Phase 230 Volt ESIL Panel

Drawing # 112-385S

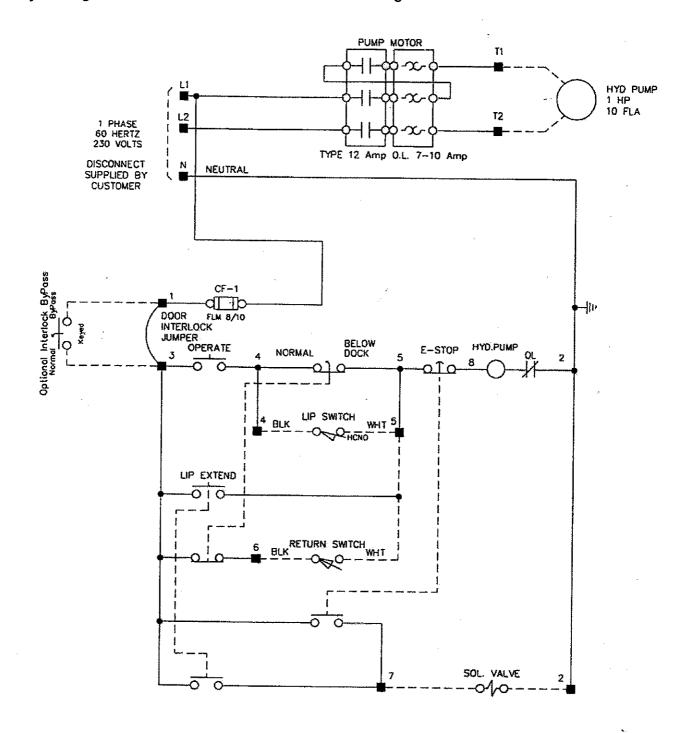


REMOVE DOOR INTERLOCK JUMPER IF BYPASS SELECTOR IS INSTALLED SCHEMATIC SHOWN WITH LEVELER IN STORED POSITION

# WIRING SCHEMATIC (Continued)

Layout Diagram: 1 Phase 115 Volt ESIL Panel

Drawing # 112-384S

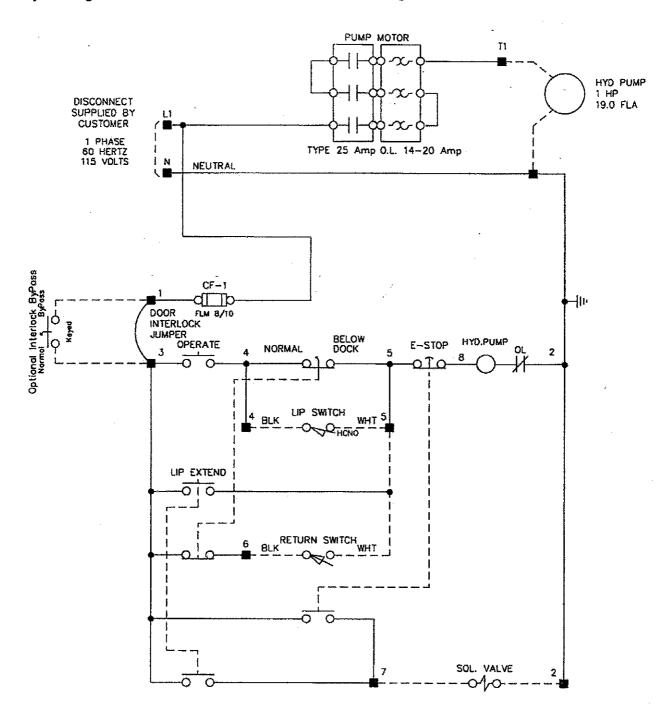


REMOVE DOOR INTERLOCK JUMPER IF BYPASS SELECTOR IS INSTALLED SCHEMATIC SHOWN WITH LEVELER IN STORED POSITION

# WIRING SCHEMATIC (Continued)

Layout Diagram: 3 Phase 230 Volt ESIL Panel

Drawing # 112-386S

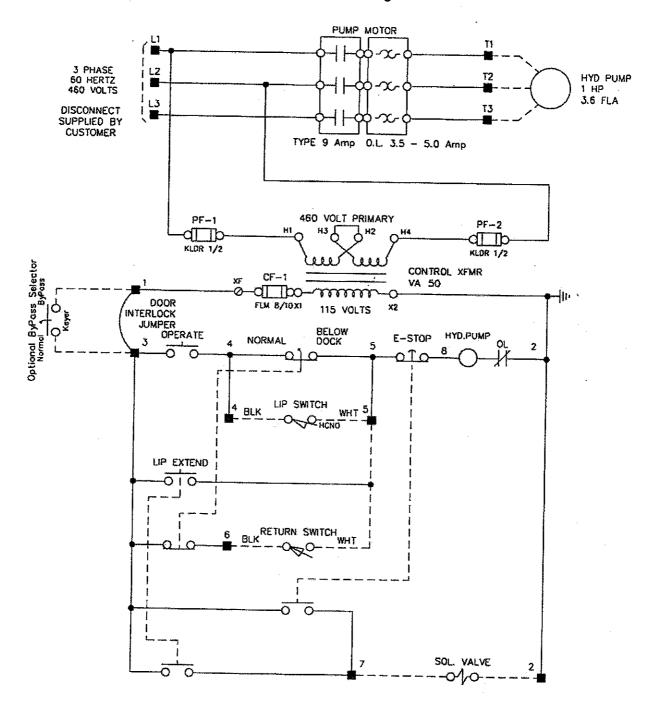


REMOVE DOOR INTERLOCK JUMPER IF BYPASS SELECTOR IS INSTALLED SCHEMATIC SHOWN WITH LEVELER IN STORED POSITION

# WIRING SCHEMATIC (Continued)

Layout Diagram: 3 Phase 460 Volt ESIL Panel

Drawing # 112-387S



REMOVE DOOR INTERLOCK JUMPER IF OPTIONAL BYPASS SELECTOR INSTALLED SCHEMATIC SHOWN WITH LEVELER IN STORED POSITION

# **OPERATION INSTRUCTIONS**



**WARNING:** Before operating the dock leveler, read and understand all Safety Practices found on page 3. Use by untrained personnel can result in property damage, serious bodily injury or death. Read and understand complete Operation Instructions before attempting to operate this dock leveler. Follow all OSHA regulations regarding the use of this equipment. **Do not use the dock leveler if it appears broken or does not seem to function properly.** Contact your authorized McGuire Service Representative.



**WARNING:** Trucks must be secured at the dock. Trucks unexpectedly pulling away from the dock can cause property damage, serious bodily injury or death. ALWAYS be certain that truck wheels are chocked, or that the truck is held in place by a restraining device before attempting to load or unload the truck.

## "Normal" Setting on Selector Switch

## Loading or Unloading With No End Load Situation

- 1. Do not attempt to operate the dock leveler until the truck is backed into position against the dock bumpers and either wheel chocks or a restraining device are in place.
- 2. With selector switch set in the "NORMAL" position, press and hold "OPERATE" push button on control panel until the platform has raised to the top of its cycle and the lip has been extended. See Photo 1.
- 3. When the dock leveler lip has fully extended, release the "OPERATE" push button. The platform will lower smoothly until the lip rests on the truck bed See photo.
- 4. The leveler will automatically float freely with the rise and fall of the truck bed in either the loading or unloading cycle.
- 5. When the truck departs, and the lip becomes unsupported, the leveler will settle to its fully lowered position, the motor will automatically restart, the leveler will start to raise as the lip is drawn in and the motor will then automatically turn off. The dock leveler will then settle into its stored, cross traffic position.

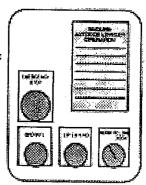
## "Below Dock" Setting on Selector Switch

## Standard Loading or Unloading With An End Load

- 1. Do not attempt to operate the dock leveler until the truck is backed into position against the dock bumpers and either wheel chocks, or a restraining device, are in place.
- 2. With selector switch set in the "BELOW DOCK" position press, and hold the "OPERATE" push button on control panel until the platform has raised to the top of its cycle. At this point the lip will extend far enough to clear the lip keeper, the motor will automatically shut off and the leveler will smoothly settle into its fully lowered position. This positions the lip against the dock face, rather than fully extended, and allows for loading or unloading an end load on the truck. See photo.



Number in switchbox icon is keyed to step member, Switches tilled in black are depressed. Note position of below dock switch in each icon.

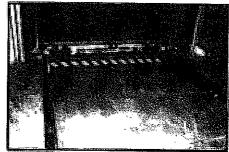




Deck in Up Position



Lip in Truck



**Below Dock** 



# **OPERATION INSTRUCTIONS (CONTINUED)**

- 3. If this is a loading situation, once the end load has been loaded return the selector switch to the "NORMAL" position. The dock leveler will then automatically restore itself as per item #5 shown under the "NORMAL" setting.
- 4. If this is an unloading situation, once the end load has been unloaded you return the selector switch to the "NORMAL" position. Then follow steps #2 through #5 as shown under the "NORMAL" setting.

# <u>Using The "Below Dock" Setting For Extremely Low Trucks With No End Load When The Lip Must Be Extended To Prevent Auto Return</u>



- 1. Do not attempt to operate the dock leveler until the truck is backed into position against the dock bumpers and either wheel chocks or a restraining device are in place.
- 2. With selector switch set in the "NORMAL" position, press and hold "OPERATE" push button on control panel until the platform has raised to the top of its cycle and the lip has been extended.



4

- 3. When the dock leveler lip has fully extended, release the "OPERATE" push button. As the dock leveler starts to lower, turn the selector switch to the "BELOW DOCK" setting. The leveler will settle to its fully lowered position with the lip fully extended.
- 4. Once loading or unloading is completed, return the selector switch to the "NORMAL" setting. The leveler will then automatically return to the stored, cross-traffic position as per item #5 under the "NORMAL" setting.



- 1. The lip will be positioned on the bed of the truck.
- 2. With the selector switch in the "NORMAL" position, press and hold, "OPERATE" push button on control panel.



3. The leveler lip will automatically be withdrawn from the truck bed as the leveler platform starts to raise. Once the lip is fully withdrawn, release the "OPERATE" button and the leveler will settle to its stored, cross-traffic position.

### **Independent Lip Operation**

1. Do not attempt to operate the dock leveler until the truck is backed into position against the dock bumpers and either wheel chocks or a restraining device are in place.



- 2. With the selector switch set in the "NORMAL" position, press and hold "OPERATE" push button on control panel.
- 3. When the platform has reached the desired position, release "OPERATE" button and immediately press and hold the "LIP EXTEND" button. Once the lip has fully extended, release "LIP EXTEND" button and platform will settle onto truck bed with lip extended.



#### "Emergency Stop" Button

- 1. "EMERGENCY STOP" button can be used at any point in the leveler cycle. It is a red "mushroom" type push/pull button.
- 2. Pushing in on the "EMERGENCY STOP" button will immediately stop all motion of the dock leveler. The platform is locked in place and all other functions are disabled.



3. To restore normal leveler operation after "EMERGENCY STOP" button has been used, pull red "EMERGENCY STOP" button out. Leveler will then be back in "NORMAL" mode and all functions are restored.

# **OPERATION INSTRUCTIONS (CONTINUED)**

4. This type "EMERGENCY STOP" button will lock in place once it is pushed in. Once pushed, it must be manually pulled out as outlined in item #3 to deactivate the emergency stop function.

**Note:** A routine daily operational check of the Emergency Stop System should be done to insure its proper operation.

### **Setting The Service Support Leg**



- Operate the dock leveler using the "OPERATE" button on the control panel. Raise it to its full up position and allow the lip to extend.
- 2. While holding in on the "OPERATE" button another person, located at grade and in front of the leveler, can release and position the service leg.



3. Once given the "OK" by the person at the service leg, the person at the control panel can then release the "OPERATE" button and the platform will settle to rest on the service leg. As an additional safety measure, press the "EMERGENCY STOP" button. Any required



Setting Service Support Leg

press the "EMERGENCY STOP" button. Any required service can now proceed. (See Component Identification on Page 2.)

### Storing The Service Support Leg And Restoring Leveler To Dock Level

- 1. Make sure the person at grade level in front of the dock leveler is clear of the leveler before attempting to re-store service leg.
- 2. The person at the control panel can now pull the "EMERGENCY STOP" button to restore electrical power to the leveler, then push and hold the "OPERATE" button. Hold the button in until the unit comes up to the top of its cycle and the lip fully extends,
- 3. Continue to hold in on the "OPERATE" button. The platform will stay at full up with the lip fully extended and the motor running.
- 4. In this position the service leg will be clear of the bottom frame and the person at grade, in front of the leveler, can now reach in and return the service leg to a stored position.



5. Once given the "OK" by the person at grade, the person at the control panel can release the "OPERATE" button and the leveler will automatically return to a stored dock level position.

WARNING: If any of the operational features of this dock leveler do not function as previously stated DO NOT USE THE DOCK LEVELER. Contact your authorized McGuire Service Representative or McGuire Technical Support at 1-800-929-2553.

## INITIAL RUN-IN PROCEDURE

**IMPORTANT:** there could be a considerable time lapse between the installation and initial use of your McGuire ATG-3000 series hydraulic leveler. It is recommended that you follow this "Initial Run in" procedure to insure that your dock leveler is operating properly.



**CAUTION:** Completely read and understand all Safety Practices as outlined in the beginning of this manual, read and understand entire manual before beginning the Initial Run-in procedure.

- 1. Follow procedure under **Operation** segment for "Setting the Service Leg". Then proceed with the following.
- 2. Check the fluid level in the motor/pump reservoir using the dipstick on the breather cap. (See "Specifications", Page 8 for proper level. If necessary, add fluid per the specification page. Once done, replace breather cap.
- 3. Check the integrity of all hydraulic hoses and tightness of all hydraulic fittings.
- 4. Clean any debris from the pit.
- 5. Follow procedure under the Operation segment for "Storing the Service Support Leg and Restoring Leveler to Dock Level."
- 6. With the dock leveler in the stored position, go to the Operation Instructions segment and repeat all operations found in this segment four (4) to five (5) times.
- 7. Follow all WARNING and/or CAUTION statements.
- 8. DO NOT USE the dock leveler if it appears broken, or does not seem to work right or any of the functions under Operation Instructions do not function properly. Contact your authorized McGuire Representative.

## MAINTENANCE AND SERVICE

On-site maintenance personnel can observe the following procedures or you can arrange for professional service through your authorized McGuire representative.



**WARNING:** Before operating the dock leveler, read and understand all Safety Practices found on Page 3.

Use by untrained personnel can result in property damage, serious bodily injury or death. Read and understand complete Operation Instructions before attempting to operate this dock leveler. Follow all OSHA regulations regarding the use of this equipment. **Do not use the dock leveler if It appears broken or does not seem to function properly.** Contact your authorized McGuire Representative.

Do not install, operate or service this McGuire ATG-3000 series hydraulic dock leveler until you have read and understand the entire contents of this manual.

**IMPORTANT:** The frequency of maintenance and service required will vary do to the amount and type of usage. Contact you authorized McGuire representative or the factory for information.

**Note:** Authorization to repair, replace or otherwise adjust any portion of the dock leveler should always be secured in advance of any work taking place. Failure to do so may affect the dock leveler warranty.

- 1. Follow procedure as described in this manual's **Operation** section for "Setting the Service Leg." then proceed with the following.
- 2. If power disconnect is provided, by others, place in the OFF position and tag control panel OUT OF SERVICE prior to doing any work under the dock leveler. If no power disconnect is provided, a second person should be stationed by the control panel to insure no unauthorized use.

# MAINTENANCE AND SERVICE (Continued)

- 3. Place service truck, or other obstruction, in the driveway in front of the unit being worked on to insure that no incoming truck can unexpectedly back into the opening.
- 4. Clean any debris from the pit. Clear the hinge area of any collected debris. During winter months in cold climate, any ice formed on moving parts should be removed.
- 5. Inspect condition of lip, platform, subframe, and all welds for wear and/or damage. Report any deficiencies to person in charge. If in doubt, report it!
- 6. Check condition of front and rear hinges. report any deficiencies to person in charge. If in doubt, report it!
- 7. Check the fluid level in the motor/pump reservoir using the dipstick on the breather cap. (See specifications on page 8 for proper level.) If necessary, add fluid per the specification page. Once done, replace breather cap.
- 8. Check the integrity of all hydraulic hoses and tightness of all hydraulic fittings. Replace or tighten as required.
- 9. Inspect all hydraulic cylinders and all switches attached to same for damage or wear. Replace as required.
- 10. Inspect and lubricate all cylinder pivots.
- 11. Check weatherseal on leveler sides for any signs of deterioration. Replace as required.
- 12. Inspect toe guards for integrity. Repair or replace as required.
- 13. Inspect all electrical connections, wiring and control panel for signs of wear or damage. Report any deficiencies found for an authorized electrician to repair.
- 14. Check safety tape marking on leveler sides and lip face inside building for deterioration. Replace as required.
- 15. Check all labels on dock leveler. Replace if required.
- 16. Inspect bumpers and bumper fasteners for wear, damage and tightness. Tighten, repair or replace as required.
- 17. Follow procedure in the **Operation** section for "Storing the Service Support Leg and Restoring Leveler to Dock Level."
- 18. With the dock leveler in the stored position, go to the **Operation Instructions** section and repeat all operations found in this section four (4) or five (5) times to assure that the leveler is operating properly. If **not, contact person in charge.**

# TROUBLE SHOOTING PROCEDURES

**WARNING:** Before proceeding with any trouble shooting procedures, observe all warnings, cautions and statements as found in the Maintenance section of this manual.

Symptom	Possible Cause	Corrective Action
Leveler will not rise (motor not running.)	A. Incorrect or disconnected electrical hookup	Review wiring diagram & check connections.
	B . Blown fuses or open circuit breakers in building	Check fuses & replace or reset circuit breakers. Determine & correct cause of electrical problems.
•	C. Loss of line voltage	Check line & repair as necessary
	D. Open overload relays on leveler motor starter	Allow to cool & reset by pushing in reset button at the thermal overload in control panel.
	E. Burned out motor in leveler motor/pump	Replace power unit (contact factory) or have competent electrical shop repair motor.
Leveler will not rise (motor running or humming)	A. Motor humming (1 phase current) Voltage drop-may be due to insufficient line capacity.	Test voltage at motor starter with motor running. Also test for amperage draw. Low voltage/high amperage indicates wire gauge is too light for distance of run. Replace feed line with adequate wire size. (See Elect. Conductor Reference Chart on page 8.)
	B. Wrong rotation of 3-phase motor	Reverse T-1 & T-3 hookup at starter terminals
	C. Motor is single phasing (3-phase current)	Check line fuse or other loss of power in one line (Loose connection or tripped overload at starter.)
	D. Load on leveler	Remove the load to operate level- er. Leveler is not designed to lift more than its own weight.
	E. Low fluid or no fluid	Check fluid level and fill as required. See specifications on page 8. Determine & correct cause of fluid loss.
	F. Motor or pump is physically or electrically damaged.	Replace motor/pump.

Leveler will not lower (Lip is extended)	A. Physical obstruction	Check and remove the obstruction.
	B. In "Fail-Safe" lockup	Actuate the "OPERATE" push- button momentarily to unlock the "Fail-Safe" system (Be sure no load is on the leveler.)
Leveler continues to "lock up" after each actuation of "OPERATE" button	A. Ramp lowering speed is too high	Adjust shuttle valve on motor/pump to reduce ramp low ering speed. (See page 19 for adjustment.)
Leveler will not automatically return from below dock posi-	A. Selector switch is in "BELOW DOCK" mode	Change selector switch setting to "NORMAL" mode.
tion.	B. Return switch arm has not engaged the tripper bolt.	Adjust the tripper bolt to correct adjustment to trip return switch (See page 20 for adjustment
	C. Return switch arm may be out of adjustment or damaged.	Properly position return switch arm or replace if required. (See page 20 for description.
	D. Incorrect Wiring or loose wire	Check wiring & wire connections.
Leveler will not rise from the stored position with selector switch in the "BELOW DOCK"	A. Lip switch arm may be out of adjustment or damaged.	Properly position lip switch arm or replace if required. (See page 20 for description.)
position.	B. Incorrect or loose wire	Check wiring diag. & connections
Leveler lip will not hold out and "lip sag" occurs.	A. Replacement fluid may have had some foreign matter that has worked its way to valve.	See procedure on page 21 to correct this. If not sufficient, follow alternate procedure on same page.
	B. Secondary Relief Valve may be out of adjustment.	Properly adjust the Secondary Relief Valve. (See page 21 for adjustment.)



**CAUTION:** If any of the procedures under "Trouble Shooting" are not understood, or if any symptom occurs that is not covered, contact your authorized McGuire representative or McGuire Technical Support at 1-800-929-2553. **Do not attempt any procedure you do not understand.** 

# **SWITCH ARRANGEMENTS**

# Return Switch Arrangement Normal Cycle

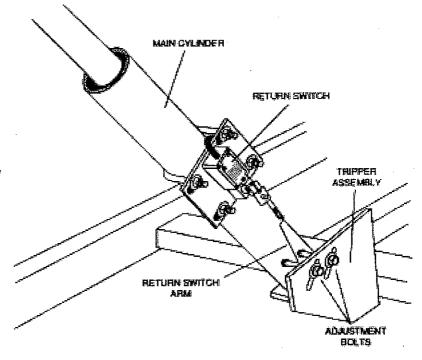
The return switch assembly has been factory positioned and adjusted for proper operation of the leveler.

The limit switch, mounted on the main cylinder, is a maintained-contact type switch in a sealed enclosure. Its function is to start and stop the motor pump in the return-to-cross-traffic cycle. The rear adjustment bolt is set to trip the limit switch spring arm and stop the motor when up-travel is sufficient to withdraw the lip and clear the base frame for storage at dock level. The front adjustment bolt is set to start the motor when platform reaches its lowest position.

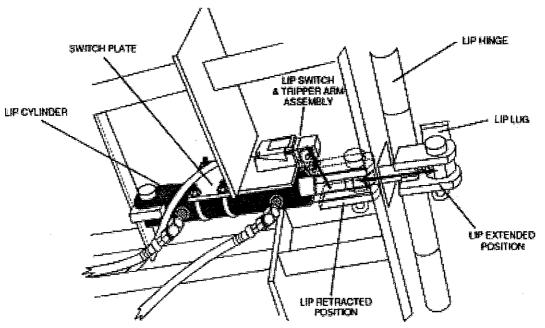
### **Below-Dock Cycle**

When the selector switch on the operator's control panel is switched to "BELOW DOCK LIP" position, the return action of the limit switch 'is bypassed.

When the selector switch on the control panel is switched to "NORMAL" position, the normal control circuit is completed and the return-to-cross-traffic cycle is reinstated.

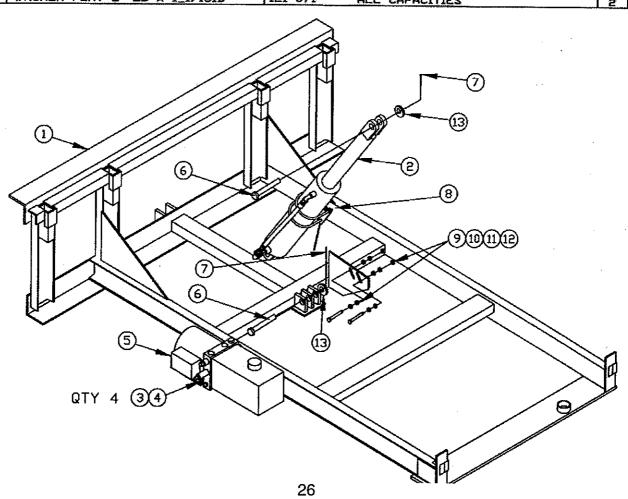


## Lip Switch Arrangement

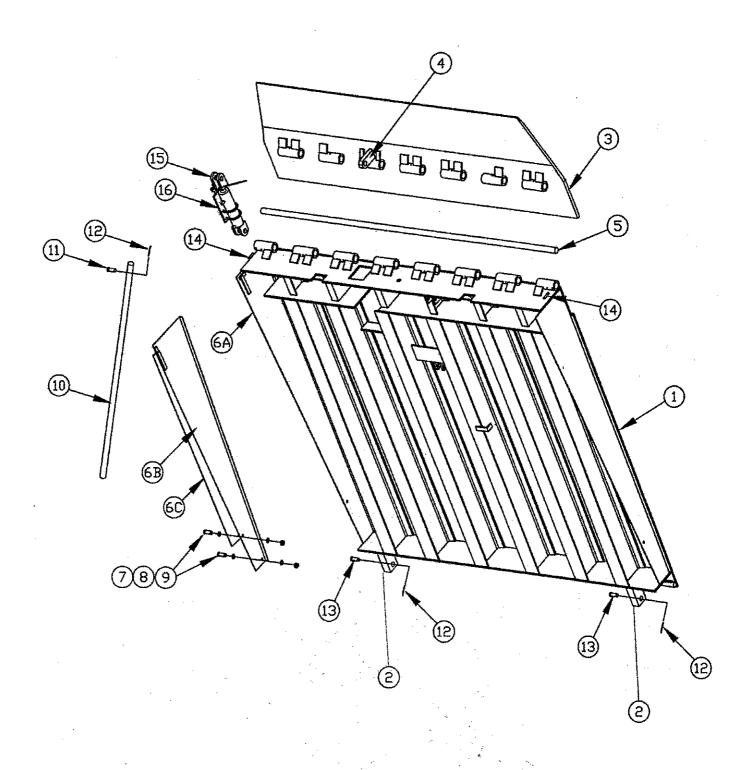


# LOWER FRAME COMPONENTS

		CAPACITY	/ PART NU	MBER		
ITEM	<u> </u>	35K	45K	60K	75K	QTY
1	BASEFRAME ASSY 6' X 6'	511-660	511-777	511-662	511-662	1
1	BASEFRAME ASSY 6' X 8'	511-645	511-780	511-652	511-652	i
1	BASEFRAME ASSY 6' X 10'	511-663	511-783	511-665	511-665	1 î
<u> </u>						
1	BASEFRAME ASSY 6.5' X 6'	511-691	511-778	511-698	511-698	1 1
1	BASEFRAME ASSY 6.5' X 8'	511-692	511-781	511-699	511-699	1
1	BASEFRAME ASSY 6.5' X 10'	511-693	511-784	511-700	511-700	1
ļ						
1	BASEFRAME ASSY 7' X 6'	511-704	511-779	511-707	511-707	1
1	BASEFRAME ASSY 7' X 8'	511-705	511~782	511-708	511-708	1
1	BASEFRAME ASSY 7' X 10'	511-706	511-785	511-709	511-709	1
ļ <u>.</u>						
2	MAIN CYLINDER 6' X 6'	111-028	111-028	111-027	111-027	1
2	MAIN CYLINDER 6' X B'	111-028	111-028	111-027	111-027	ī
2	MAIN CYLINDER 6' X 10'	111-027	111-027	111-027	111-027	1
			•		· · · · · · · · · · · · · · · · · · ·	
5	MAIN CYLINDER 6.5' X 6'	111-028	111-028	111-027	111-027	1
5	MAIN CYLINDER 6.5' X 8'	111-028	111-028	111-027	111-027	1
2	MAIN CYLINDER 6.5' X 10'	111-027	111-027	111-027	111-027	11
<u> </u>						
2	MAIN CYLINDER 7' X 6'	111-028	111-028	111-027	111-027	1
2	MAIN CYLINDER 7' X 8'	111-028	111-028	111-027	111-027	i
2	MAIN CYLINDER 7' X 10'	111-027	111-027	111-027	111-027	1 1
<u></u>						
3	LUCK VASHERS	121-056	ALL CAPAC			4
4	NUT, 1/4° -20	121-006	ALL CAPAC			4
5	MOTOR PUMP		ULIC SYSTEM	PARTS PAG	E	1
6	CLEVIS 1" X 4_5/8" LG	521-375	ALL CAPAC			2
7	COTTER PIN	113-075	ALL CAPAC			2
8	RETURN SWITCH ASSY	SEE SWITCH				1
9	BOLTS, TRIPPER 3/8' -16 X 3_1/2'	122-196	ALL CAPAC			2
10	WASHER, FLAT 3/8*	121-062	ALL CAPAC			4
11	NUT, TRIPPER 3/8' -16	121-010	ALL CAPAC			4
12	LOCK-WASHER 3/8"	121-061	ALL CAPAC	W		2
13	WASHER FLAT 2' DD X 1_1/16ID	121-071	ALL CAPAC	ITIES		12



# EXPLODED VIEW - ATG 3000 DECK

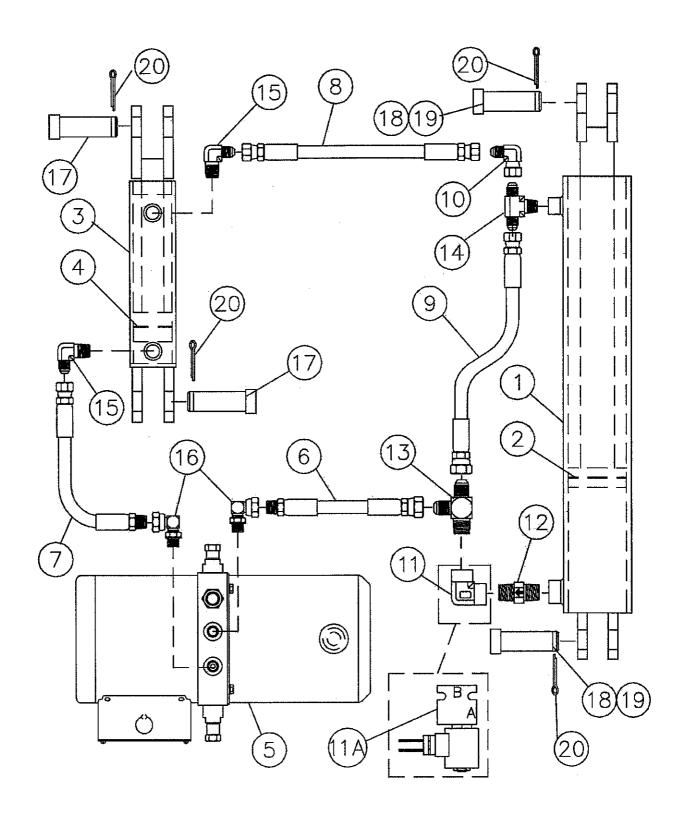


# ATG-3000 DOCK PARTS LIST

## **CAPACITY / PART NUMBER**

ITEM	PART NAME	35K	45K	60K	75K	QTY
1	PLATFORM ASSY 6' x 6'	511-659	511-661	511-786	511-794	1
1	PLATFORM ASSY 6' x 8'	511-630	511-653	511-787	511-795	1
1	PLATFORM ASSY 6' x 10'	511-664	511-666	511-788		
<del></del>	TEATTONWIAGGE O X 10	311-004	311-000	1311-700	511-796	1
1	PLATFORM ASSY 6.5' x 6'	511-688	511-694	511-789	511-797	1
1	PLATFORM ASSY 6.5' x 8'	511-689	511-696	511-790	511-798	1
1	PLATFORM ASSY 6.5' x 10'	511-690	511-697	511-791	511-799	1
·	TEAT ON MANAGE CO.O. X TO	1011 000	1011 007	1011-701	1311-733	!
1	PLATFORM ASSY 7' x 6'	511-710	511-713	511-792	511-800	1
1	PLATFORM ASSY 7' x 8'	511-711	511-714	511-776	511-801	1
1	PLATFORM ASSY 7' x 10'	511-712	511-715	511-793	511-802	1
	· Bill Olim Add i A Al	1011.712	1011-710	[011-730	[311-002	<u>'</u>
2	PLATFORM LEG	522-177	* 35K_MOD	LS HAVE QTY	12	4
La			OUT INOB	LOTINGE GIT		
3	LIP ASSY 6' x 16'	511-632	ALL CAPACI	TIFS		1
3	LIP ASSY 6' x 18'	511-806	ALL CAPACI			<del></del>
3	LIP ASSY 6' x 20'	511-809	ALL CAPACI			····· i
			7.22 07.117.101	1120		• • • • • • • • • • • • • • • • • • • •
3	LIP ASSY 6.5' x 16'	511-701	ALL CAPACI	TIFS		1
3	LIP ASSY 6.5' x 18' -	511-807	ALL CAPACI		······································	1
3	LIP ASSY 6.5' x 20'	511-726	ALL CAPACI			<u>-</u>
		1 / 20	, LOC 07 (1 7 (O)	.,		
3	LIP ASSY 7' x 16'	511-702	ALL CAPACI	TIES	·	1
3	LIP ASSY 7' x 18'	511-808	ALL CAPACI			1
3	LIP ASSY 7' x 20'	511-810	ALL CAPACI			<u> </u>
			0/11/101			<u> </u>
4	LIP CLEVIS	521-051	ALL MODEL	S		1
5	LIP HINGE SHAFT 6' WIDE	522-212	ALL CAPACI	TIES		1
5	LIP HINGE SHAFT 6.5' WIDE	521-504	ALL CAPACI			1
5	LIP HINGE SHAFT 7' WIDE	522-213	ALL CAPACI			<del>- i</del>
						·
6A	1ST STAGE TOE GUARD 6' (RH)	511-881	ALL CAPACI	TIES		1
6B	1ST STAGE TOE GUARD 6' (LH)	511-880	ALL CAPACI			1
6C	2ND STAGE TOE GUARD 6' (RH)	511-077	ALL CAPACI			1
6D	2ND STAGE TOE GUARD 6' (LH)	511-078	ALL CAPACI			1
6E	3RD STAGE TOE GUARD 6' (RH)	511-027	ALL CAPACI			1
6F	3RD STAGE TOE GUARD 6' (LH)	511-029	ALL CAPACI	TIES		1
				<u></u>		-
6A	1ST STAGE TOE GUARD 8' (RH)	511-883	ALL CAPACI	TIES		1
6B	1ST STAGE TOE GUARD 8' (LH)	511-882	ALL CAPACI			1
6C	2ND STAGE TOE GUARD 8' (RH)	511-081	ALL CAPACI			1
6D	2ND STAGE TOE GUARD 8' (LH)	511-082	ALL CAPACI			1
6E	3RD STAGE TOE GUARD 8' (RH)	511-032	ALL CAPACI	TIES		1
6F	3RD STAGE TOE GUARD 8' (LH)	511-034	ALL CAPACI			1
_6A	1ST STAGE TOE GUARD 10' (RH)	511-903	ALL CAPACI	TIES		1
6B	1ST STAGE TOE GUARD 10' (LH)	511-904	ALL CAPACI	TIES		1
6C	2ND STAGE TOE GUARD 10' (RH)	511-896	ALL CAPACI			1
6D	2ND STAGE TOE GUARD 10' (LH)	511-995	ALL CAPACI	TIES		1
6E	3RD STAGE TOE GUARD 10' (RH)	511-975	ALL CAPACI	TIES		1
6F	3RD STAGE TOE GUARD 10' (LH)	511-974	ALL CAPACI			1
<u>.</u>			-			
7	BOLT,HEX/PLD, 3/8-16X3/4"	122-021	ALL CAPACI			1
8	WASH,FL/PLD 1"OD X 3/8" ID	121-062	ALL CAPACI	ΓIES		1
9	NUT, HEX-JAM, NYLOCK 3/8"	121-022	ALL CAPACI			1
10	SERVICE LEG - 38"	522-149	ALL CAPACI			1
11	PIN,CLEVIS .5 DIA. X 2,5"L	113-068	ALL CAPACI			i
12	PIN,COTTER 1/8 DIA. X 1-1/2"L	113-073		LS HAVE QTY	2	<del>-i</del>
13	PIN,CLEVIS .5 DIA. X 1.75"L	113-071		LS HAVE QTY		1
14	PIN,ROLL 3/8" DIA X 1"L	113-345	ALL CAPACI		-	1
15	LIP CYLINDER		ULIC SYSTEM	PARTS PAGE		1
16	LIP SWITCH ASSY		H ASSEMBLY P			1
·		,,	.,	THE TABLE		

# EXPLODED VIEW - HYDRAULIC SYSTEM



# HYDRAULIC SYSTEM PARTS LIST

					QUA	ntity/where (	JSED
				CAPACITY	30K OR LESS	35K	45K
ITEM NUMBER	DESCR	PTION		MCGUIRE PART NUMBER			
1	MAIN CYLINDER	3" BORE X 18	STROKE	111-028	1		
	·	4" BORE X 18	STROKE	111-027		1	1
2	MAIN CYLINDER SEAL KIT	3" BORE X 18	STROKE	111-275	1	<del>-</del>	
		4" BORE X 18	STROKE	111-274		1	1
3	LIP CYLINDER			111022	1	1	1
4	LIP CYLINDER SEAL KIT			111-094	1	1	1
5	MOTOR PUMP		1 PHASE	111-320	1	1	1
			3 PHASE	111-321	1	1	1
8	HOSE ASSEMBLY / MOTOF	PUMP TO MAIN C	YL.	111-077	1	1	1
7	HOSE ASSEMBLY/ MOTOR	6' LG. L	EVELERS	111-075	1	1	1
	PUMP TO LIP CYL.	8' AND 10' LG. L	EVELERS	111-078	t	1	1
8	HOSE ASSEMBLY /MAIN	6' AND 8' LG. L	EVELERS	111074	1	1	1
	CYL TO UP CYL	10' LG. L	EVELERS	111-079	1	1.	1
9	HOSE ASSEMBLY /BOTTOM	OF MAIN CYL. TO	TOP OF				
	MAIN CYL			111-212		1	1
10	SWIVEL ELBOW			111-170	1	1	1
11	ELBOW FITTING			111071	1	1	1
11A	SOLENOID VALVE (OPTIONA			111-206	1	1	1
	USED IN PLACE OF ITEM A EQUIPPED WITH INDEPENDE	NT UP OR EMERGE	NCY				
	STOP SYSTEM						
12	VELOCITY FUSE			111-220	1	1	1
13	T-FITTING			111-208	1	1	1
14	T-FITTING			111-210	1	1	1
15	ELHOW FITTING			111070	2	2	2
16	SWIVEL ELBOW FITTING			111066	2	2	2
17	CLEVIS PIN	ЦР (	CYLINDER	113-264	2	2	2
18	CLEVIS PIN MAIN CYLIND	ER 3" HORE X 18	STROKE	521-375	2		
19	CLEVIS PIN MAIN CYLIND	ER 4" BORE X 18	STROKE	521-375		2	2
20	COTTER PIN			113075	4	4	4
21	MOTOR LEAD ASSEMBLY	(NOT SHOWN)		511-201	1	1	1
				511-202	1	1	1

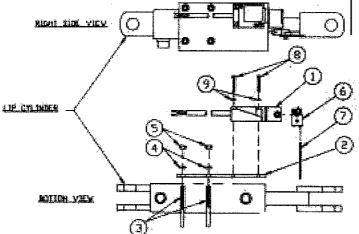
# SWITCH ASSEMBLY PARTS

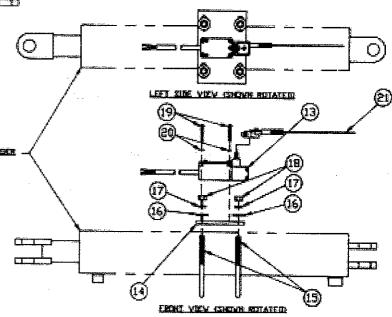
### Lip Switch Assembly

Ite	n Description	Part No.	All Capacities Quantity		
1	Lip Switch	112-356	1		
2	Lip Switch Mount Plate	521-613	1		
3	U-Bolt	122-102	2		
4	Lock Washer	121-057	4		
5	Hex Nut	121-007	4		
6	Rod Lever	112-015	1		
7	Rod	521-264	1		
8	Switch Mount Screw	122-103	2		
9	Lock Washer	121-052	2		
10	Lip Switch Assembly		4		
	(includes Items 1-9)	511-292	1		

### **Return Switch Assembly**

lleed	Capacities Quantities/Wher Part No.35K/45K 6OK/75K			
Used Item Description				
11 Return Switch 12 Return Switch	112-253	1	1	
Mount Plate	521-389	1	1	
13 U-Bolt	122-059	2		
•	122-058		2	
14 Flat Washer	121-062	4		
	121-055		4	
15 Lock Washer	121-061	4		
	121-056		4	
16 Hex Nut	121-010	4		
	121-006		4	
17 Switch Mt. Screw	122-074	2	2	
18 Lock Washer	121-052	2	2	
19 Lever Arm	112-176	1	1	
20 Return Switch Assy.				
Includes Items 11 - 19	511-213	1		
	511-325		1	



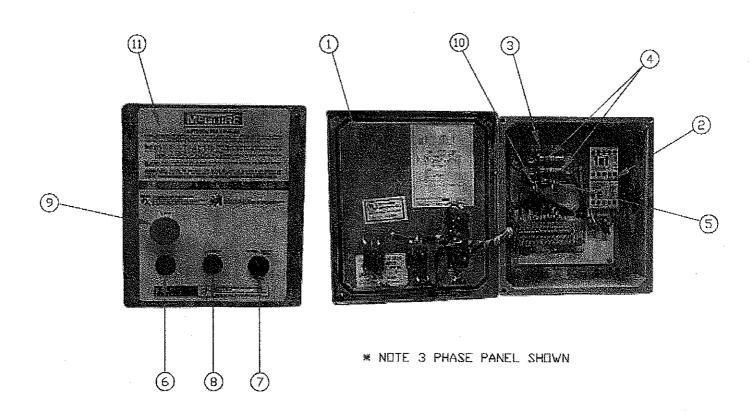


# **CONTROL PANEL PARTS**

#### VOLTAGE/PHASE/HZ

### QUANTITY/WHERE USED

ITEM	PART No.	PART NAME	110/1/60	220/1/60	220/3/60	440/3/60
		COMPLETE CONTROL PANEL	112-384	112-385	112-386	112-387
1	112-849	ENCLOSURE EMPTY WITH BACK PANEL - NO CUTOUTS	1	1	1	1
2	112-857	CONTACTOR/OVERLOAD 19 AMP FENNER UNITS	1	_	-	-
2A	112-856	CONTACTOR/OVERLOAD 10 AMP FENNER UNITS	-	1	-	-
SB	112-855	CONTACTOR/OVERLOAD 8 AMP FENNER UNITS	-	-	1	
SC	112-854	CONTACTOR/OVERLOAD 3.6 AMP FENNER UNITS	-	-	-	1
3	112-846	TRANSFORMER 50Va W/PRIMARY AND SECONDARY FUSES	_	-	1	1
4	112-847	PRIMARY FUSE 1/2 AMP 600 VOLT	1	1	1	1
5	112-848	SECONDARY FUSE 8/10 AMP 250 VOLT	-	-	2	2
6	112-841	OPERATE PUSHBUTTON W/ CONTACT BLOCKS	1	1	1	1
7	112-842	SELECTOR SWITCH, 2 POSITION W/ CONTACT BLOCKS	1	1	1	1
8	112-843	LIP EXTEND PUSHBUTTON W/ CONTACT BLOCK	1	1	1	1
9	112-844	E-STOP PUSHBUTTON WY CONTACT BLOCK	1	1	1	1
10	112-329	FUSE HOLDER	1	i	-	
11	131-194	LABEL, CONTROL PANEL ESIL	1	1	1	1



# **NOTES**

## NOTES

# W. B. MCGUIRE CO., INC.

## ATG-3000™ Series Levelers Warranty

The W. B. McGuire Company, Incorporated warranty that its ATG-3000 ™ Series Hydraulic dock Leveler will be free from defects in materials and workmanship for a period of five (5) years from date of installation acceptance on all structural and hydraulic components. Labor for repair or replacement, done by McGuire authorized personnel, is included for a period of one (1) year from the date of installation acceptance. After one (1) year, all labor charges will be the responsibility of the owner.

McGuire's sole obligation under this warranty is limited to repairing or replacing any part, which shall be determined by McGuire to be defective, and is conditioned upon the buyer giving written notice of any such defect within the warranty period. If McGuire concludes that repair, or replacement, is necessary, work will commence within a reasonable time period after the decision to repair to replace is made.

This warranty will not apply to any product which has been altered, modified, damaged or which has deteriorated due to abuse, neglect, misuse or by accident. Warranty will be VOID if any repairs are made or attempted to be made by any person not authorized by McGuire. Proper application, installation, maintenance and operation are required to keep warranty in force.

Hydraulic systems are factory set. Periodic maintenance and adjustment is the sole responsibility of the owner.

This warranty is McGuire's exclusive expressed warranty. Warranty is limited to value of components only. McGuire assumes no liability for loss of the use of any equipment and expressly disclaims any liability for incidental or consequential damages. Warranties implied by law are limited in duration to the five year/one year period described above.



Represented in This Area By:



W.B. McGuire Company One Hudson Ave. Hudson, NY 12534 1-800-929-2553

Fax: 1-800-929-1274 www.wbmcguire.com

The specifications described herein were in effect at the time of printing. However, W.B. McGuire Company reserves the right to change specifications and designs or to discontinue models at any time without incurring obligation.