Portable Column Lifting System

Model: PCL-18B

Keep this operation manual near the machine at all times. Make sure that ALL USERS read this manual.

SHIPPING DAMAGE CLAIMS
When this equipment is shipped, concerns for material damaged in shipment must be noted by the purchaser on the delivery receipt at the time shipment is received to ensure proper handling by the shipper.

BE SAFE
Your new lift was designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.

IMPORTANT
Reference ANSI/ALI ALIS, Safety Requirements for Installation and Service of Automotive Lifts before installing lift.

1645 Lemonwood Dr.
Santa Paula, CA. 93060, USA
Toll Free 1-800-253-2363
Tel: 1-805-933-9970
www.bendpak.com
PCL-18B
Portable Column Lift

This instruction manual has been prepared especially for you.
Your new lift is the product of over 40 years of continuous research, testing and development;
it is the most technically advanced lift on the market today.

READ THIS ENTIRE MANUAL BEFORE INSTALLATION & OPERATION BEGINS

RECORD HERE THE LIFT AND
POWER UNIT INFORMATION WHICH IS
LOCATED ON THE SERIAL NUMBER
DATA PLATES ON THE LIFT AND
ON THE POWER UNIT

Power Unit Model #   _____________
Power Unit Date Of Mfg. _____________
Power Unit Serial #  _____________

This information is required when
calling for parts or warranty issues.

OUR LIFTS ARE SHIPPED WITHOUT OIL.
ADD OIL TO POWER UNIT TANK BEFORE USE.
READ SECTION 8 FOR MORE INFORMATION.

PRODUCT WARRANTY

Our comprehensive product warranty means more than a commitment to you; it’s also a commitment to the value of your new BendPak lift. For full warranty details contact your nearest BendPak dealer or visit:

http://www.bendpak.com/support/warranty/
IMPORTANT NOTICE

Do not attempt to install this lift if you have never been trained on basic automotive lift installation procedures. Never attempt to lift components without proper lifting tools such as forklift or cranes. Stay clear of any moving parts that can fall and cause injury. These instructions must be followed to ensure proper installation and operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied, resulting from improper installation or use of this product.

PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION.

DEFINITIONS OF HAZARD LEVELS

Identify the hazard levels used in this manual with the following definitions and signal words:

⚠️ DANGER

Watch for this symbol. It means immediate hazards which will result in severe personal injury or death.

⚠️ WARNING

Beware of this symbol. It means hazards or unsafe practices could result in severe personal injury or death.

⚠️ CAUTION

Take note of this symbol. It means hazards or unsafe practices which may result in minor personal injury, product or property damage.

OWNER’S RESPONSIBILITY

To maintain the lift and user safety, the owner’s responsibility is to read and follow these instructions:

♦ Follow all installation and operation instructions.
♦ Make sure installation conforms to all applicable Local, State, and Federal Codes, Rules, and Regulations; such as State and Federal OSHA Regulations and Electrical Codes.
♦ Carefully check the lift for correct initial function.
♦ Read and follow the safety instructions. Keep them readily available for machine operators.
♦ Make certain all operators are properly trained, know how to safely and correctly operate the unit, and are properly supervised.
♦ Allow unit operation only with all parts in place and operating safely.
♦ Carefully inspect the unit on a regular basis and perform all maintenance as required.
♦ Service and maintain the unit only with authorized or approved replacement parts.
♦ Keep all instructions permanently with the unit and all decals on the unit clean and visible.

BEFORE YOU BEGIN

NOTIFY THE CARRIER AT ONCE if any hidden loss or damage is discovered after receipt and request the carrier to make an inspection. If the carrier will not do so, prepare a signed statement to the effect that you have notified the carrier (on a specific date) and that the carrier has failed to comply with your request.

IT IS DIFFICULT TO COLLECT FOR LOSS OR DAMAGE AFTER YOU HAVE GIVEN THE CARRIER A CLEAR RECEIPT. Support claim with copies of the Bill of Lading, freight bill, invoice, and photographs, if available. BendPak’s willingness to assist in helping you process your claim does not make BendPak responsible for collection of claims or replacement of lost or damaged materials.
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INSTALLER / OPERATOR
PLEASE READ AND FULLY
UNDERSTAND. BY PROCEEDING
YOU AGREE TO THE FOLLOWING:

♦️ I have visually inspected the site where the lift is
to be installed and verified the concrete to be in good
condition and free of cracks or other defects. I understand
that installing a lift on cracked or defective concrete could
cause lift failure resulting in personal injury or death.

♦️ I understand that a level floor is required for proper
installation and level lifting.

♦️ I understand that I am responsible if my floor is of
questionable slope and that I will be responsible for all
charges related to pouring a new level concrete slab if
required.

♦️ I will assume full responsibility for the concrete floor
and condition thereof, now or later, where the above
equipment model is to be installed. Failure to follow
Danger, Warning, and Caution instructions may lead to
serious personal injury or death to operator or bystander
or damage to property.

♦️ I understand that BendPak lifts are designed to be
installed in indoor locations only. Failure to follow
installation instructions may lead to serious personal
injury or death to operator or bystander or damage to
property or lift.

DANGER

Failure to follow Danger, Warning, and Caution
instructions may lead to serious personal injury or death
to operator or bystander or damage to property.

WARNING

Please read the entire manual prior to installation.
Do not operate this machine until you have read and
have understood all of the Danger, Warning and
Caution alerts in this manual. For additional copies
or further information, contact:

BendPak Inc.
1645 Lemonwood Dr.
Santa Paula, CA. 93060
1-805-933-9970
www.bendpak.com

INSTALLER / OPERATOR
PROTECTIVE EQUIPMENT

Personal protective equipment helps to make installation
and operation safer; however, it does not take the place
of safe operating practices. Always wear durable work
clothing during any installation and/or service activity.
Shop aprons or shop coats may also be worn, however
loose-fitting clothing should be avoided.

Tight-fitting leather gloves are recommended
to protect the technician’s hands when
handling parts. Sturdy leather steel-toe
work shoes and oil resistant soles should
be used by all service personnel to help
prevent injury during typical installation and
operation activities.

Eye protection is essential during installation
and operation activities. Safety glasses with
side shields, goggles, or face shields are
acceptable. Back belts provide support
during lifting activities and are also helpful in
providing worker protection. Consideration
should also be given to the use of hearing protection if
service activity is performed in an enclosed area, or if
noise levels are high.

CAUTION

The safe operating temperature
range for this product is
41° F - 104° F

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH IF NOT FOLLOWED
COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OR YOURSELF AND OTHERS
AND CAN CAUSE PERSONAL INJURY OR DEATH. READ AND FOLLOW ALL INSTRUCTIONS IN
THIS MANUAL BEFORE ATTEMPTING TO OPERATE THIS MACHINE.
1. Carefully remove the crating and packing materials. **CAUTION!** Be careful when cutting steel banding material as items may become loose and fall causing personal harm or injury.

2. Check the voltage, phase and proper amperage requirements for the motor shown on the motor plate. Wiring should be performed by a certified electrician only.

### IMPORTANT SAFETY INSTRUCTIONS

**Read these safety instructions entirely**

**IMPORTANT NOTICE**

Do not attempt to install this lift if you have never been trained on basic automotive lift installation procedures.

Never attempt to lift components without proper lifting tools such as forklift or cranes. Stay clear of any moving parts that can fall and cause injury.

**IMPORTANT SAFETY INSTRUCTIONS**

1. **READ and understand all instructions and all safety warnings before operating lift.**
2. **Care must be taken as burns can occur from touching hot components.**
3. **DO NOT operate equipment with a damaged cord or if the equipment has been dropped or damaged until it has been examined by a qualified service person.**
4. **DO NOT let a cord hang over the edge of the table, bench, or counter or come in contact with hot manifolds or moving fan blades.**
5. **If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current than the equipment may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.**
6. **ALWAYS unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.**
7. **Let equipment cool completely before putting away. Loop cord loosely around cable hook when storing.**
8. **DO NOT operate equipment in the vicinity of open containers of flammable liquids (gasoline) to reduce the risk of fire.**
9. **Adequate ventilation should be provided when working on operating internal combustion engines.**
10. **Keep hair, loose clothing, fingers, and all parts of body away from moving parts. Keep feet clear of lift when lowering. Avoid pinch points.**
11. **DANGER! To reduce the risk of electric shock, do not use on wet surfaces or expose to rain. The power unit used on this lift contains high voltage. Disconnect power at the receptacle or at the circuit breaker switch before performing any electrical repairs. Secure plug so that it cannot be accidentally plugged in during service. Or mark circuit breaker switch so that it cannot be accidentally switched on during service.**
12. **Use only as described in this manual. Use only manufacturer’s recommended attachments.**
13. **ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses.**
14. **CONSIDER WORK ENVIRONMENT. Keep work area clean. Cluttered work areas invite injuries. Keep areas well lit.**
15. **GUARD AGAINST ELECTRIC SHOCK. This lift must be grounded while in use to protect operator from electric shock. Never connect the green power cord wire to a live terminal. This is for ground only.**
16. **Only trained operators should operate this lift. All non-trained personnel should be kept away from the work area. Never let non-trained personnel come in contact with, or operate lift.**
17. **DO NOT override self-closing lift controls.**
18. **CLEAR AREA if vehicle is in danger of falling.**
19. **ALWAYS make sure the safeties are engaged before attempting to work on or near a vehicle.**
20. **WARNING! RISK OF EXPLOSION. This equipment has internal arcing or sparking parts which should not be exposed to flammable vapors. This machine should not be located in a recessed area or below floor level.**
21. **MAINTAIN WITH CARE. Keep lift clean for better and safer performance. Follow manual for proper lubrication and maintenance instructions. Keep control handles, buttons and displays dry, clean and free from grease and oil.**
22. **Check for damaged parts. Check for alignment of moving parts, breakage of parts or any condition that may affect operation of lift. Do not use lift if any component is broken or damaged.**
23. **NEVER remove safety related components from the lift. Do not use lift if safety related components are missing or damaged.**
24. **STAY ALERT. Use common sense and watch what you are doing. Remember, SAFETY FIRST.**

**SAVE THESE INSTRUCTIONS**
IMPORTANT INSTRUCTIONS
These instructions must be followed to ensure proper installation and operation of your lift. Failure to comply with these instructions can result in serious bodily harm and void product warranty. Manufacturer will assume no liability for loss or damage of any kind, expressed or implied, resulting from improper installation or use of this product. PLEASE READ ENTIRE MANUAL PRIOR TO INSTALLATION

SECTION 1
(SELECTING SITE)
Before installing your new lift, check the following.

1. LIFT LOCATION: Always use architectural plans when available. Check the layout dimension against the floor plan requirements, making sure that adequate space is available.

2. OVERHEAD OBSTRUCTIONS: The area where the lift will be located should be free of overhead obstructions such as heaters, building supports, electrical lines, etc.

3. DEFECTIVE FLOOR: Visually inspect the site where the lift is to be installed and check for cracked or defective concrete.

4. Lift is designed for INDOOR INSTALLATION ONLY. Outdoor installation is prohibited. Always follow warnings illustrated on equipment labels.

![DANGER]

♦ DO NOT install or use this lift on any asphalt surface or any surface other than concrete.

♦ DO NOT install or use this lift on expansion seams or on cracked or defective concrete.

♦ DO NOT install or use this lift on a second / elevated floor without first consulting building architect.

♦ DO NOT install or use this lift in extremely damp environments.

♦ DO NOT install this lift outside. It is only approved for indoor installations.

♦ Refer to ANSI/ALI ALIS Standard (R2015) Safety Requirements for Installation and Service for more information about safely installing your Lift.

![WARNING]

SECTION 2
(FLOOR REQUIREMENTS)
This lift must be installed on a solid level concrete floor with no more than 3-degrees of slope. Failure to do so could cause personal injury or death.

A level floor is suggested for proper use, installation and level lifting. If a floor is of questionable slope, consider a survey of the site and/or the possibility of pouring a new level concrete slab.

![DANGER]

<table>
<thead>
<tr>
<th>LIFT MODEL</th>
<th>CONCRETE REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCL-18B</td>
<td>5” Min Thickness</td>
</tr>
</tbody>
</table>

ALL MODELS MUST BE INSTALLED ON CONCRETE ONLY CONFORMING TO THE MINIMUM REQUIREMENTS SHOWN ABOVE. NEW CONCRETE MUST BE ADEQUATELY CURED BY AT LEAST 28 DAYS MINIMUM.

OUR LIFTS ARE SHIPPED WITHOUT OIL. ADD OIL TO POWER UNIT TANK BEFORE USE.
When removing the lift from shipping angles, pay close attention as the columns can slide and can cause injury. Be careful when cutting steel banding material as items may become loose and fall causing personal harm or injury. Prior to removing the pallets make sure the posts are held securely by a fork lift or some other heavy lifting device.

**PCL-18B PARTS INVENTORY**

Be sure to take a complete inventory of parts prior to beginning installation.

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column Assembly</td>
<td>4</td>
</tr>
<tr>
<td>Carriage Assembly</td>
<td>4</td>
</tr>
<tr>
<td>Fork Arm Weldment</td>
<td>8</td>
</tr>
<tr>
<td>Displacement Sensor Cover</td>
<td>4</td>
</tr>
<tr>
<td>Control Box Assembly</td>
<td>4</td>
</tr>
<tr>
<td>Motor Cover Assembly</td>
<td>4</td>
</tr>
<tr>
<td>Parts Box (Packing List Enclosed)</td>
<td>4</td>
</tr>
<tr>
<td>Hydraulic Jack</td>
<td>4</td>
</tr>
<tr>
<td>Hydraulic Power Unit</td>
<td>4</td>
</tr>
</tbody>
</table>
PCL-18B

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Column Capacity</td>
<td>Each Column 18,000 Lbs. / 8,165 Kg</td>
</tr>
<tr>
<td>Configuration</td>
<td>Sold in sets of 2, 4 or 6 columns</td>
</tr>
<tr>
<td>Min. Column Height</td>
<td>97.5” / 2,572 mm</td>
</tr>
<tr>
<td>Maximum Lifting Height</td>
<td>71.5” / 1,889 mm</td>
</tr>
<tr>
<td>Length Lifting Fork</td>
<td>13.6” / 360 mm</td>
</tr>
<tr>
<td>Overall Length / Depth</td>
<td>47.5” / 1,206 mm</td>
</tr>
<tr>
<td>Width Inside Lifting Fork / Min.</td>
<td>9.5” / 241 mm</td>
</tr>
<tr>
<td>Width Inside Lifting Fork / Max.</td>
<td>22.7” / 576 mm</td>
</tr>
<tr>
<td>Overall Width</td>
<td>44” / 1,160 mm</td>
</tr>
<tr>
<td>Turning Circle</td>
<td>40” / 1,016 mm</td>
</tr>
<tr>
<td>Column Weight</td>
<td>Each 1450 lbs. / 657 kg</td>
</tr>
<tr>
<td>Lifting Speed</td>
<td>85 Seconds</td>
</tr>
<tr>
<td>Motor / 2HP *</td>
<td>208-240 V 50/60 Hz, 3 Phase</td>
</tr>
</tbody>
</table>

* Special Voltages Available Upon Request

The design, material and specifications are subject to change without notice.
LIFT HEIGHT CLEARANCE NOTE: There must be a 148” MIN distance from ground to the nearest overhead obstruction to clear the lift at full rise.
SECTION 4
(HYDRAULIC JACKING SYSTEM)

The PCL-18B employs a Hydraulic Jacking Dolly System to move and position the Columns. The operation of the Dolly System is similar to that of a pallet Jack. (Fig. 4.1 & 4.2)

**Moving the Columns**

1. Position the Release Handle in the Lowest position.
2. Pump the Handle Bar down and up several times to raise the Column off the ground 1-1.5” (25-38mm).
3. Position the Release Handle in the middle position.
4. Move the Column Assembly by pushing or pulling on the Handle Bar.
5. When the Column is in the desired location, pull up on the Release Handle and the Column will lower to the ground.

---

**WARNING**

**DO NOT OPERATE THE LIFT WITH THE HYDRAULIC JACK IN THE RAISED POSITION.**

NEVER ATTEMPT TO MOVE A COLUMN WITH A VEHICLE LOADED ON THE ARM FORKS.

**WARNING**

ENSURE THE DOORS OF THE ELECTRIC CONTROL BOXES ARE CLOSED TO AVOID GETTING HANDS PINCHED OR CRUSHED BY THE HANDLE BAR.

**DANGER**

ALL LIFTING COLUMNS MUST BE LOWERED TO THE GROUND BEFORE LIFTING OF ANY VEHICLE.
SECTION 5  
(ELECTRICAL CONNECTIONS)

**DANGER**

• ALL WIRING MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

• DO NOT PERFORM ANY MAINTENANCE OR INSTALLATION OF ANY COMPONENTS WITHOUT FIRST ENSURING THAT ELECTRICAL POWER HAS BEEN DISCONNECTED AT THE SOURCE OR PANEL AND CANNOT BE RE-ENERGIZED UNTIL ALL MAINTENANCE AND/OR INSTALLATION PROCEDURES ARE COMPLETED.

**WARNING**

• DO NOT RUN POWER UNIT WITHOUT OIL. DAMAGE TO POWER UNIT PUMP CAN OCCUR. THE POWER UNIT MUST BE KEPT DRY. DAMAGE TO POWER UNIT CAUSED BY WATER OR OTHER LIQUIDS SUCH AS DETERGENTS, ACID ETC., IS NOT COVERED UNDER WARRANTY.

OPERATE LIFT ONLY BETWEEN TEMPERATURES OF 41 °- 104°F. IMPROPER ELECTRICAL HOOK-UP CAN DAMAGE MOTOR AND WILL NOT BE COVERED UNDER WARRANTY. PROTECT EACH CIRCUIT WITH TIME DELAY FUSE OR CIRCUIT BREAKER. FOR 208-230 VOLT, THREE PHASE, USE A 30 AMP FUSE. WHEN SELECTING A PLUG MAKE SURE YOU SELECT A PLUG MADE FOR 30 AMP, 220 VAC, 3 PHASE POWER.

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**ELECTRICAL SCHEMATIC**

380-460 VAC

**24VDC**

RELEASE COIL

---

**Electrical schematics**

208-230VAC
SECTION 6
(COMMUNICATION CABLE CONNECTION AND POSITIONING PROCEDURE)

1. Position each column as shown below. Column A “Master Column” should be located closest to the power supply. (See Fig 6.1)

2. Route and connect the Communication Cables according to the pictures and diagrams below. Pull back on Locking Tab to lock Communication Cable to the Column connectors. (See Fig. 6.2 - 6.4)

MAIN POWER SWITCH MUST BE OFF BEFORE CONNECTING OR DISCONNECTING ANY OF THE COMMUNICATION CABLES. FAILURE TO FOLLOW PROPER PROCEDURE CAN RESULT IN DAMAGE TO THE ENTIRE CONTROL SYSTEM.
**2-COLUMN CONFIGURATION**

**NOTE:**
Special factory configuration only.

**4-COLUMN CONFIGURATION**

**NOTE:**
The electrical communication cables do not have to make a complete loop. It is not necessary to plug the last lift back into the first lift.

**SEE DIAGRAM**

**6-COLUMN CONFIGURATION**

**8-COLUMN CONFIGURATION**
SECTION 7
CONTROL PANELS

The PCL-18B includes one Master Column (Column A) and Slave Columns (Columns B, C and D). Each Column has a control panel that can operate in SINGLE Mode, the main Column and the one directly across from it in PAIR Mode or all 4 Columns at once in TEAM Mode.

1. **Door Lock** - Prevents unauthorized access to the circuitry of the PCL-18B system. Make sure door is securely closed and locked while the lift is in operation or the columns are being moved. Be sure if the keys are removed that they are kept in a safe place.

2. **UP Control** - Initiates lift rise sequence.

3. **DOWN Control** - Initiates the lift lowering sequence.

4. **PARK Control** - Initiates the lift locking (parking) sequence. Each lift column will slowly settle onto the mechanical stops.

5,6,7. **TEAM, SINGLE or PAIR LIGHTS**
Shows which lift columns will operate as group, tandem or individually.

8. **MODE Control** - Commands specific lift columns to operate as single, team and/or pair modes.

9. **SPEED Control** - Selects the parking or lowering speeds.

10. **STANDBY/TURTLE** - Choose this command for a slower “turtle” speed and a safe controlled descent.

11. **READY/RABBIT** - Select the faster “rabbit” speed for a rapid controlled descent.

12. **VISUAL/AUDIBLE ALARM** - When the Main Power switch is moved to the “ON” position, this light will illuminate and the alarm will sound and flash. This alarm will activate whenever the lift is in motion or a fault is detected in the system.

13. **EMERGENCY STOP BUTTON** - Each Column has an Emergency Stop Button. Press this button on any of the Columns when you need to stop operation immediately. To Reset, twist button clockwise. The button will pop back out.

14. **MAIN POWER SWITCH** - Controls power to all of the Columns. When this switch is in the “OFF” position, the lift system is powered off and not operable. When this switch is in the “ON” position, the lift system is powered on and prepared for operation.

15. **FAULT / RESET** - If for any reason the lift operation exceeds a specified out of level tolerance threshold, all lift columns will stop and display the error as: FAULT 1: Out of Tolerance; FAULT 2: No Motion; FAULT 3: Safety Release; FAULT 4: String Pot.
To clear the error, an offending lift will be put in SINGLE mode and raised or lowered accordingly to reduce the difference in lift heights.

16. **CALIBRATION BUTTON** - Press and hold this button and in five seconds the calibration procedure will be completed.
The Columns B, C and D have many of the same features as that of the Column A Control Panel with the following exceptions:

- There is no Power Switch
- There is no Calibration Button
- There is no Main Power Supply Cord to connect to the wall.
1. Make sure the power unit reservoirs are full with four (4) gallons of 10-WT hydraulic oil or Dexron-III automatic transmission fluid each.

2. Apply light axle grease to the inside of the posts where the slide blocks glide.

3. Once electrical power is connected to Column A and the communication cables routed to the other Columns, turn the Main Power Switch to the “ON” position. (See Fig. 8.1)

If any of the Column heights are higher than the other one press the “DOWN” button. If the heights still do not match correctly see Maintenance section for calibration instructions.

5. Pressing MODE allows the operator to control the movement of the entire system in Team mode (See Fig 8.2), Columns A and B in Pair mode or Column A by itself in Single Mode.

6. Pressing SPEED allows the operator to change the speed at which the lift will lower when the DOWN button is pressed. Rabbit mode (See Fig. 8.3) allows for a quicker descent while Turtle mode (See Fig 8.4) allows for a slower, more precise descent.

7. Pressing CALIBRATE SYSTEM (Column A Control Panel only) will set the current height of the lift carriages as the 0 point or ground level. (See Fig 8.5)
SECTION 9  
(TESTING PROCEDURES)

Single Column Test  
(Repeat these procedures on each Column in Single Mode.)

Lifting Test  
1. After setting the Operation Mode to SINGLE on the control panel, raise the lift unloaded by pressing and holding the “UP” button to check if the carriage rises normally.  

If the Carriage raises slowly or jerks, the Cylinder may have to be bled to release any trapped air in the hydraulic system. If not, go to Step 3.

2. Raise the carriage above about 5”/127mm and loosen the Cylinder Bleed Screw on the top of the Cylinder one full turn or until air or oil flows out. DO NOT completely remove bleed screws. Retighten after trapped air has escaped. (See Fig 9.1)

NOTE: When the PCL-18B is not loaded with a vehicle the SPEED should be set to Rabbit mode or a fault condition may be detected.

4. Press and hold the “DOWN” button. The carriage will start to move up to clear the safeties and then down to the ground or until the “DOWN” button is released.

Emergency Button Test  
5. Test the Emergency Stop Button by hitting the Emergency Stop Button while the lift is rising or lowering. The lift should immediately stop. To Reset, twist button clockwise. The button will pop back out.

Multiple Column Test  
Repeat the Lift Test, Safety Test, Lowering Test, and Emergency Stop Button Test procedure for each of the other Columns in the other Operation Modes: Pair and Team.

Remember:  
- Pair mode will control the Column directly across from the Column control panel being operated.
- Team mode will control the entire system.

POST-INSTALLATION CHECK-OFF

√ Columns properly lowered and stable.
√ Wheel and Arm Pins properly attached.
√ Electric power supply confirmed.
√ Safety Locks functioning properly.
√ Check for hydraulic leaks.
√ Oil level.
√ Lubrication of critical components.
√ Check for overhead obstructions.
√ All Screws, Bolts, and Pins securely fastened.
√ Surrounding area clean.
√ Operation, Maintenance and Safety Manuals on site.
√ Perform an Operational Test with a typical vehicle.

Safety and Lowering Test  
3. With the Carriage above 21”/533mm press and hold the “PARK” button that became available when the lift passed the indicated height. The lift will lower onto the nearest safety lock. Continue holding the “PARK” button and then check that the Carriage is securely on the safety lock before continuing.

DO NOT completely remove Bleed Screw. One full turn should purge trapped air.

Cylinder Bleed Screw

Fig. 9.1
SECTION 10
(Operation Instructions)

OWNER/EMPLOYER RESPONSIBILITIES

The Owner/Employer:

• Shall ensure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer’s operating instructions; ALI/SM01-1, ALI Lifting it Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; ALI/WL Series, ALI Uniform Warning Label Decals/Placards; and in the case of frame engaging lifts, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts.

• Shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer’s instructions or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and The Employer shall ensure that lift inspectors are qualified and that they are adequately trained in the inspection of the lift.

• Shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer’s instructions or ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and The Employer shall ensure that lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.

• Shall display the lift manufacturer’s operating instructions; ALI/SM 93-1, ALI Lifting It Right safety manual; ALI/ST-90 ALI Safety Tips card; ANSI/ALI ALOIM-2000, American National Standard for Automotive Lifts-Safety Requirements for Operation, Inspection and Maintenance; and in the case of frame engaging lifts, ALI/LP-GUIDE, Vehicle Lifting Points/Quick Reference Guide for Frame Engaging Lifts; in a conspicuous location in the lift area convenient to the operator.

• Shall provide necessary lockout/tagout means for energy sources per ANSI Z244.1-1982 (R1993), Safety Requirements for the Lockout/Tagout of Energy Sources, before beginning any lift repairs.

• Shall not modify the lift in any manner without the prior written consent of the manufacturer.
LIFT OPERATION SAFETY

• DAILY inspect your lift. Never operate if it malfunctions or if it has broken/damaged parts. Use only qualified lift service staff and genuine BendPak parts to make repairs.

• THOROUGHLY train all employees in use and care of lift, using manufacturer’s instructions and “Lifting It Right” and “Safety Tips” supplied with the lift.

• NEVER allow unauthorized or untrained persons to position vehicle or operate lift.

• PROHIBIT unauthorized persons from being in shop area while lift is in use.

• DO NOT permit anyone on lift or inside vehicle when it is either being raised or lowered.

• ALWAYS keep area around lift free of tools, debris, grease and oil.

• NEVER overload lift. Capacity of lift is shown on nameplate affixed to the lift.

• DO NOT stand in front of the vehicle while it is being positioned in lift bay.

• DO NOT hit or run over lift arms, legs or cables. This could damage lift or vehicle. Before driving vehicle into position, move Columns to provide unobstructed access to lift area.

• ALWAYS load vehicle on lift carefully. Position the lift arms to contact at the vehicle’s wheels. Raise lift until the wheels are 2”/50mm off ground. Check arms for secure contact with wheels. Raise lift to desired working height.

• DO NOT block open or override self-closing lift controls; they are designed to return to the “Off” or Neutral position when released.

• DO NOT remove or disable arm restraints.

• ALWAYS remain clear of lift when raising or lowering vehicles.

• ALWAYS use safety stands when removing or installing heavy components.

• DO NOT go under raised vehicle if safety locks are not engaged.

• NEVER LEAVE LIFT IN ELEVATED CONDITION unless all Safety Locks are engaged.

• AVOID excessive rocking of vehicle while on lift.

• ALWAYS CLEAR AREA if vehicle is in danger of falling.

• ALWAYS REMOVE tool trays, stands, etc. before lowering lift.

• ALWAYS POSITION the Columns to provide an unobstructed exit before removing vehicle from lift area.

• DO NOT raise or lower the lift with persons or equipment under the vehicle at any time.

• All vehicle tires need to be inspected and properly inflated according to vehicle manufactures specifications.

• DO NOT lift any vehicle with any of the tires under inflated, flat, or with any damage or wear that could compromise the load bearing capability of the tire.

• Ensure that all steerable wheels are pointed straight and are parallel to the vehicle body.

• Ensure there is a minimum of 6”/152mm clearance above the top of the vehicle.

• NEVER attempt to override any fault condition.

• DO NOT operate the lift with any fault condition present.

• ALWAYS lower all columns onto the ground after positioning or for storage.

• DO NOT apply a horizontal force or load to any raised vehicle that exceeds more than 20% of the vehicles gross weight during any repair procedures.

• Protect the communication cables from damage from sharp objects. DO NOT drive over communication cables.

• Calibration procedure should be repeated bi-weekly and/or for any control module replacement, system calibration related fault, removal or replacement of any sensors, valves, coils, motors or pumps.

• NEVER calibrate lift whole columns are in an elevated position.

• Read and comply with all safety guidelines and recommendations.

TO RAISE LIFT

1. Perform the Lift Testing Procedure as outlined in Section 9 before lifting any vehicle.

2. Position the Vehicle on solid concrete surface.

3. Confirm that the vehicles tires are all properly inflated.

Verify the gross vehicle’s weight does not exceed the total capacity of the lifting system.
4. Adjust the fork arms by removing the Arm Locking Pins and sliding the fork arms so that they are spaced wider than the tire diameter of the vehicle. (See Fig 10.1)

5. Using the Hydraulic Jacking System, position each Column so that the forks of the lift are positioned properly around each of the vehicle’s wheels. The wheels should be centered between the forks. (See Fig 10.2)

6. Lower the Column and adjust the fork arms by pushing the arms until they touch or are as close to the tire as possible. The lift should be parallel to the vehicle body without touching the body or other components of the vehicle. (See Fig 10.3)

7. When all the Columns are properly positioned and the clearances around and above the vehicle are clear of obstructions, the Columns can be connected.

8. Keep the Communication Cables clear of sharp objects and foot paths. DO NOT drive over communication cables.

9. Make sure the main Power Switch is in the “OFF” Position.

11. Connect the Master Column to the Power source. Connect Columns to each other. Refer to Section 6 for communication cable routing.
Raising a Vehicle

12. **START UP**: After connecting the Communication Cables, turn the Main Power Switch located on the Master Column to “ON”. First, the amber colored **STANDBY/TURTLE** button will illuminate in **STANDBY** mode then shortly after (approximately six seconds) the green colored **READY/RABBIT** button will illuminate signaling the user that all columns are initialized and ready. The system is now ready to operate.

13. **RAISING ALL WHEELS**: In **TEAM** mode, press any **UP** button on any column to raise the lift. Keep **UP** button depressed until the vehicle is raised to the desired position. If necessary, use a second person to observe the area not seen by the operator. **NOTE**: While operating the lift, you will observe individual columns slowing down and/or speeding up at various intervals of travel. This is a normal operating characteristic of the system. Always press the **PARK/LOCK** button to lower lift onto the locking latches before entering work area.

14. **RAISING PAIRED AXLE**: In **PAIR** mode, press the **UP** button on any **PAIRED** column to raise the desired axle. Keep **UP** button depressed until the vehicle axle is raised to the desired position. Always press the **PARK/LOCK** button to lower lift onto the locking latches before entering the work area. **NOTE**: Be sure that if a set of wheels remains on the ground, they are free to move uninhibited as the distance changes when one pair of wheels is higher or lower than the other pair. Keep the height difference between pairs as low as practical. Under **PAIR** mode, the lift will automatically result in an out-of-level fault if the axle or **PAIRED** column is out of sync by more than 12” height difference between carriages.

15. **RAISING SINGLE WHEEL**: **SINGLE** operation is to be used only to initially engage the tires and for slight equalization adjustments. An audible alarm will activate at all times during **SINGLE** mode use. To raise only a single wheel, turn the selector switch to **SINGLE** at the post that **SINGLE** control is desired. Press the **UP** button on any paired column to raise the desired wheel. Always press the **PARK/LOCK** button to lower lift onto the locking latches before entering work area.

Parking on Locks / Lowering Vehicle

1. **PARKING ALL WHEELS (ON MECHANICAL LOCKS)**: The **PARK/LOCK** button default is set to lower all selected columns simultaneously onto the mechanical locks. The **PARK/LOCK** button will illuminate identifying that the select lift columns are now **PARK** ready. At this time, press the **PARK/LOCK** button to lower the lift onto the mechanical locks. Keep the **PARK/LOCK** button depressed until the **PARK/LOCK** button light remains off. If necessary, use a second person to observe the area not seen by the operator.
2. **LOWERING LIFT:** Before lowering lift, be sure to remove tool carts, safety stands, etc. from the area and check that all personnel and bystanders remain clear. After ensuring that all columns are initialized and ready, press the DOWN button to lower lift.

Observe that all columns are lowering and vehicle remains level. Remain clear of forks and vehicle when lowering and observe all pinch points warnings. **NOTE:** The RABBIT or TURTLE settings can be used to control the lowering speed if desired. Once the vehicle tires have reached the ground, reset the parking brake then move all columns away from the vehicle to provide an unobstructed exit before removing the vehicle. **NEVER** drive vehicle over communication cables.

3. **RESET OPERATION:** During operation, if there is a mechanical or electrical error, a system fault may occur which will cause the lift to stop working. The small fault light indicators on each control panel will help identify the cause. After carefully checking and correcting the fault cause, press the **RESET** button on any column and wait for the fault light indicators to turn off. The lift is then ready to continue operation. Refer to the operation manual for fault conditions, corrections and reset procedures.

**Leveling System Calibration Procedure**

1. Make sure the lifting carriages in each column are lowered completely and resting at ground level.

2. Press and hold calibration button for (5) five seconds. Calibration completed.

**IMPORTANT NOTE:** NEVER calibrate lift while columns are in an elevated position.

**MAINTENANCE INSTRUCTIONS**

**WARNING**
WHEN LOWERING THE LIFT PAY CAREFUL ATTENTION THAT ALL PERSONNEL AND OBJECTS ARE KEPT CLEAR. ALWAYS KEEP A VISUAL LINE OF SITE ON THE LIFT AT ALL TIMES. ALWAYS MAKE SURE THAT ALL LOCKS ARE DISSENGAGED, IF ONE OF THE LOCKS INADVERTENTLY LOCKS ON DESCENT THE LIFT AND/OR VEHICLE MAY DISRUPT CAUSING PERSONAL INJURY OR DEATH.

**CAUTION**

**IMPORTANT NOTE:** IF THE PARK / LOCK BUTTON HAD BEEN PREVIOUSLY ACTIVATED, THE LIFT WILL AUTOMATICALLY RISE TWO INCHES BEFORE LOWERING COMMENCES.

**CAUTION**

**IMPORTANT NOTE:** IF YOU ARE NOT COMPLETELY FAMILIAR WITH AUTOMOTIVE LIFT MAINTENANCE PROCEDURES: STOP AND CONTACT THE MANUFACTURER FOR INSTRUCTIONS. TO AVOID PERSONAL INJURY, PERMIT ONLY QUALIFIED PERSONNEL TO PERFORM MAINTENANCE ON THIS EQUIPMENT.

- **Always:** Replace ALL FAULTY PARTS before lift is put back into operation.
- **Always:** Keep bolts tight. Check periodically.
- **Always:** Keep lift components clean.
- **Always:** If oil leakage is observed, call local service representative.
- **Always:** If electrical problems develop, call local service representative.
- **Daily:** Make a visual inspection of ALL MOVING PARTS and check for excessive signs of wear.
- **Daily:** Check safety locks to ensure they are in good operating condition.
- **Weekly:** Lubricate all moving components.
- **Semi-annually:** check fluid level of lift power unit and refill if required per lift installation instructions. We recommend: 10-WT hydraulic oil or Dexron-III automatic transmission fluid.
- **Replace** all caution, warning or safety related decals on the lift if unable to read or missing. Reorder labels from Bendpak.
- **Refer** to ANSI/ALI ALOIM booklet for periodic inspection checklist and maintenance log sheet.

**Cleaning the Control Panels**

- The control panels should be cleaned periodically by wiping it with a lint free damp cloth using a mild soap solution. Dry the surface when finished with a lint free cloth. Do not clean with ammonia based products.
• To prevent damage to the column control panels, avoid touching the outside and inside of the box panel with sharp objects, striking the panel with a hard object, the use of abrasives or using excessive force when pressing the ergonomic push-button controls. In the event that any of the components stop working correctly, they can be replaced. The main system components of this lift are standard off-the-shelf brands rather than proprietary printed circuit boards or controls which can be very expensive to service or replace.

Lubrication

• Raise the lift and Park on the top most safety position.

• Through the top and bottom of each Column, apply a light coat of grease on the frontal face and internal face of the Column Rails. See Figures A & B below.

Bleeding

![Danger](image)

THE LIFT WILL MOVE DOWN WHEN BLEEDING. MAKE SURE ALL EQUIPMENT, PERSONNEL, HANDS AND FEET ARE CLEAR BEFORE PERFORMING THE CYLINDERS BLEEDING.

1. After electrical power is connected and oil reservoirs are full, press “UP” button to raise lift.

2. Continue raising until the fork arms are positioned approximately 36" above floor level.

3. Slowly loosen the BLEED SCREWS, one by one, located at the top of each cylinder to bleed trapped air. DO NOT completely remove bleed screws. Re-tighten after trapped air has escaped. (See Figure below).

4. Lower the lift completely. Wait five minutes and repeat bleeding process one additional time.

![Figures A & B](image)
C: On both sides of Columns

D

E

I: On all Columns

G: F and G: Only on Column A

H

A or B

A on Primary Columns

B on Secondary Columns

F
**Primary Control Panel**

Use on Column A *only*

**Secondary Control Panel**

Use on Columns B, C, D, E, F, G, H
Safe Lift Operation

Automotive and truck lifts are critical to the operation and profitability of your business. The safe use of this and other lifts in your shop is critical in preventing employee injuries and damage to customer’s vehicles. Safe operation of automotive lifts requires that only trained employees should be allowed to use the lift.

TRAINING SHOULD INCLUDE, BUT NOT BE LIMITED TO:

♦ Proper positioning of the columns with respect to the vehicle.

♦ Use of the operating controls.

♦ Understanding the lift capacity.

♦ Proper use of jack stands or other load supporting devices.

♦ Proper use, understanding and visual identification of safety lock devices and their operation.

♦ Reviewing the safety rules.

♦ Proper housekeeping procedures. (Lift area should be free of grease, oil, tools, equipment, trash, and other debris.)

♦ A daily inspection of the lift should be completed prior to its use. Safety devices, operating controls, lift arms and other critical parts should be inspected prior to using the lift.

♦ All maintenance and repairs of the lift should be completed by following the manufacturer’s requirements. Lift repair parts should meet or exceed OEM specifications. Repairs should only be completed by a qualified lift technician.

♦ The vehicle manufacturer’s recommendations should be used for spotting and lifting the vehicle.

LIFT OPERATION SAFETY

♦ It is important that you know the load limit. Be careful that you do not overload the lift. If you are unsure what the load limit is, check the data plate found on one of the lift columns or contact the manufacturer.

♦ Always make sure you have proper overhead clearance. Additionally, check that attachments, (vehicle signs, campers, antennas, etc.) are not in the way.

♦ Be sure that prior to the vehicle being raised, the doors, trunk, and hood are closed securely.

♦ Prior to being raised, make sure there is no one standing closer than six feet from the lift.

♦ After positioning the columns on the vehicle, set the emergency brake, make sure the ignition is off, the doors are closed, and overhead obstructions are cleared.

♦ Double check that the wheel forks are in position and then when the lift is raised observe the forks.

♦ Put pads or adapters in the right position under the contact points that have been recommended.

♦ The lift should be raised just until the vehicle’s wheels are about one foot off the ground. If contact with the vehicle is uneven or it appears that the vehicle is not sitting secure, carefully lower the lift and readjust.

♦ Always consider potential problems that might cause a vehicle to slip, i.e., heavy cargo, undercoating, etc.

♦ Pay attention when walking under a vehicle that is up on the hydraulic lift.
DO NOT leave the controls while the lift is still in motion.

DO NOT stand directly in front of the vehicle or in the bay when vehicle is being loaded or driven into position.

DO NOT go near vehicle or attempt to work on the vehicle when being raised or lowered.

REMAIN CLEAR of lift when raising or lowering vehicle.

DO NOT rock the vehicle while on the lift or remove any heavy component from vehicle that may cause excessive weight shift.

DO NOT lower the vehicle until people, materials, and tools are clear. Always lower vehicle down slowly and smoothly.

ALWAYS ENSURE that the safeties are engaged and carriages are lowered on to the safeties before any attempt is made to work on or near vehicle.

Some vehicle maintenance and repair activities may cause the vehicle to shift. Follow the manufacturer’s guidelines when performing these operations. The use of jack stands or alternate lift points may be required when completing some repairs.

READ AND UNDERSTAND all safety warning procedures before operating lift.

KEEP HANDS AND FEET CLEAR. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.

ONLY TRAINED OPERATORS should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with, or operate lift.

USE LIFT CORRECTLY. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.

DO NOT override self-closing lift controls.

CLEAR AREA if vehicle is on danger of falling.

STAY ALERT. Watch what you are doing. Use common sense. Be aware.

CHECK FOR DAMAGED PARTS. Check for alignment of moving parts, breakage of parts or any condition that may affect its operation. Do not use lift if any component is broken or damaged.

NEVER remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.

NEVER calibrate lift while columns are in an elevated position.

When the lift is being lowered, make sure everyone is standing at least six feet away.

Be sure there are no jacks, tools, equipment, left under the lift before lowering.
LIFT WILL NOT RAISE

POSSIBLE CAUSE
1. Air in oil, (1,2,6,11)
2. Cylinder binding, (7)
3. Cylinder leaks internally, (7)
4. Motor run backward under pressure, (9)
5. Lowering valve leaks, (3,8,9)
6. Motor runs backwards, (5,9,12)
7. Pump damaged, (8,9)
8. Pump won't prime, (1,6,8,9,10,11,12)
9. Relief valve leaks, (8,9)
10. Voltage to motor incorrect, (5,9,12)

REMEDY
1. Check for proper oil level. The oil level should be up to the FILL screw in the reservoir with the lift all the way down.
3. Dirty oil Use clean 10-WT hydraulic oil or Dexron-III automatic transmission fluid only. If fluid/oil is contaminated, replace with clean fluid/oil and clean entire system.
4. Tighten all fasteners. Tighten fasteners to recommended torques.
5. Check motor is wired correctly. Compare wiring of motor to electrical diagram on drawing.
6. Oil seal damaged or crooked Replace oil seal around pump shaft.
8. Replace with new part Replace with new part.
10. Check pump-mounting bolts Bolts should be 15 to 18 ft. lbs.
11. Inlet screen clogged Clean inlet screen or replace.
12. Check wall outlet voltages and wiring Make sure unit and wall outlet are wired properly.

OUR LIFTS ARE SHIPPED WITHOUT OIL. ADD OIL TO POWER UNIT TANK BEFORE USE.
MOTOR WILL NOT RUN

POSSIBLE CAUSE
1. Fuse blown, (1,2,3,4,5)
2. Motor burned out, (1,2,3,4,6)
3. Voltage to motor incorrect, (1,2,8)

REMEDY
1. Check for correct voltage ........................................ Compare supply voltage with voltage on motor name tag. Check that the wire is sized correctly. N.E.C. table 310-12 requires AWG 10 for 30 Amps.
2. Check motor is wired correctly ................................ Compare wiring of motor to electrical diagram on drawing.
3. Don’t use extension cords ........................................ According to N.E.C. : “ The size of the conductors... should be such that the voltage drop would not exceed 3% to the farthest outlet for power...” Do not run motor at 115 VAC – damage to the motor will occur.
4. Replace with new part ............................................ Replace with new part.
5. Reset circuit breaker/fuse ....................................... Reset circuit breaker/fuse.
8. Check wall outlet voltage and wiring ....................... Make sure unit and wall outlet is wired properly. Motor must run at 208/230 VAC 3 phase.

INSTRUCTION

LIFT LOWERS SLOWLY OR NOT AT ALL

POSSIBLE CAUSE
1. Cylinders binding, (1)
2. Release valve clogged, (5,4,2,3)

REMEDY
2. Replace with new part ............................................ Replace with new part.
4. Check oil. .............................................................. Use clean 10-WT hydraulic oil or Dexron-III automatic transmission fluid only. If fluid/oil is contaminated, replace with clean fluid/oil and clean entire system.
5. Clean release valve .............................................. Wash release valve in solvent and blow out with air.

INSTRUCTION

IMPORTANT

If vehicle becomes stranded in the air, follow all operation instructions as shown on pages 25, & 33-35. If after observing that all mechanical locks are released and the lift still fails move following all standard operating procedures, immediately stop using the lift and contact factory or factory approved service center for further instructions.
**WILL NOT RAISE LOADED LIFT**

**POSSIBLE CAUSE**
1. Air in oil, (1,2,3,4)
2. Cylinder binding, (5)
3. Cylinder leaks internally, (5)
4. Lift overloaded, (5,6)
5. Lowering valve leaks, (1,5,7,8)
6. Motor runs backwards, (8,9,11)
7. Pump damaged, (5,8)
8. Pump won’t prime, (1,2,3,4,5,8,10)
9. Relief valve leaks, (5,7,8)
10. Voltage to motor incorrect, (5,9,11)

**REMEDY**
1. Check oil level .......................................................... The oil level should be up to the fill screw in the reservoir with the lift all the way down.
2. Check/Tighten inlet tubes ................................................. Replace inlet hose assembly.
3. Oil seal damaged or cocked ............................................. Replace oil seal and install.
6. Check vehicle weight .................................................... Compare weight of vehicle to weight limit of the lift.
7. Replace with new part .................................................... Replace with new part.
9. Check motor is wired correctly ....................................... Compare wiring of motor to electrical diagram on power unit drawing.
10. Inlet screen clogged ..................................................... Clean inlet screen or replace.
11. Check wall outlet voltage and wiring .............................. Make sure unit and wall outlet is wired properly.

**OUR LIFTS ARE SHIPPED WITHOUT OIL. ADD OIL TO POWER UNIT TANK BEFORE USE.**
LIFT WILL NOT STAY UP

POSSIBLE CAUSE
1. Air in oil, (1,2,3)
2. Check valve leaks, (5)
3. Cylinders leak internally, (6)
4. Lowering valve leaks, (1,4,5,6)
5. Leaking fittings, (7)

REMEDY
1. Check oil level ........................................ The oil level should be up to the fill screw in the reservoir with the lift all the way down.

2. Oil seal damaged and cocked ......................... Replace oil seal around pump shaft.


4. Replace with new valve ............................... Replace with new valve.

5. Return unit for repair ................................. Return unit for repair.


7. Check complete hydraulic system for leaks .......... Tighten all hydraulics fittings and inspects all hoses.

OUR LIFTS ARE SHIPPED WITHOUT OIL. ADD OIL TO POWER UNIT TANK BEFORE USE.
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NOTE: UNLESS OTHERWISE SPECIFIED
1. Assemble items as shown.
2. Attach keyrings to the ends of each chain.
3. Attach keyrings to fork pin and lift head.

Note: Unless otherwise specified.
Crossbeam Accessory

The PCL-18B has a Crossbeam available as an accessory.

The Crossbeam goes between two PCL-18Bs, sitting in their troughs.

The Crossbeam comes with adapters: two cradle adapters (which fit onto the Crossbeam), two short cradle lift adapters, and two tall cradle lift adapters.

The Crossbeam also comes with a caster kit, which allows the Crossbeam to be easily moved around.

The Crossbeam can support a full 36,000 lbs / 8165 kg for much of its length of 122 inches / 3098.8 mm. However, as the adapters are moved towards the middle of the Crossbeam, the load that can be supported is reduced to a maximum total of 12,950 lbs.