

# MOHAWK

SYS. I  
SYS. II



## Above Ground Twin Post "Clear-Floor" Hydraulic Lifts

MADE WITH PRIDE IN  
AMSTERDAM, NEW YORK, U.S.A.



### INSTALLS ANYWHERE!

Now With  
**5 Year**  
WARRANTY

U.S. PATENT #4500071

Alpine Exotic Motor Cars, Hackensack, N.J.

# THE **MOHAWK** SYSTEM I & SYSTEM II

## THE HIGH TECH LIFTS OF THE 80'S

The **Finest Automotive Lifts Made Anywhere!**

**These Outstanding Features**

**Are Found ONLY on A Mohawk "Clear-Floor" Lift!**



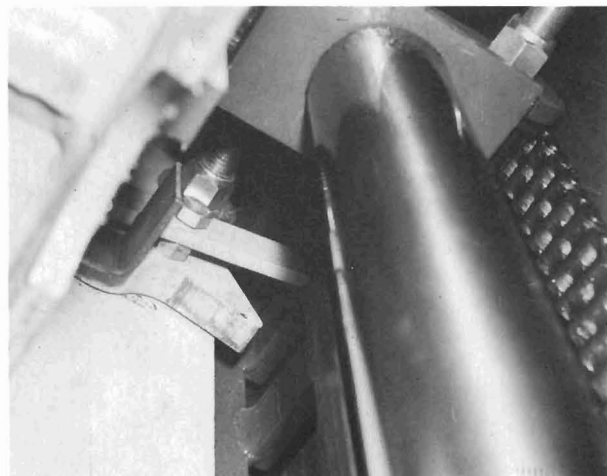
### **MOHAWK'S VERSATILITY**

Double decking — extra overnight storage. Drive through or park under. Change a waterpump or do a tune-up while waiting for parts. Leave it up all night...it can't come down unless YOU release it. Full 6' plus lifting height allows easy access to the underside of ALL American and foreign cars, vans, pick-ups and utility vehicles.



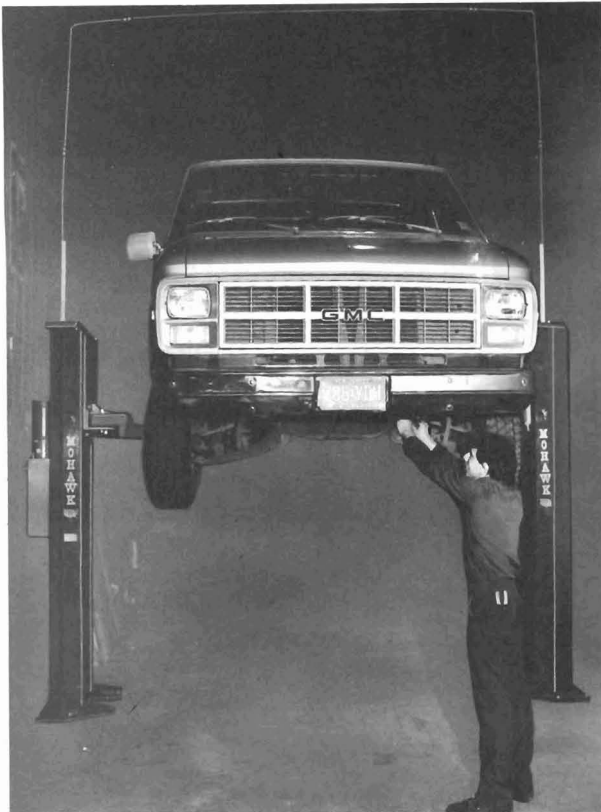
### **MOHAWK'S SUPER STRENGTH-SUPERIOR DESIGN**

Mohawk's rugged twin posts are constructed from AMERICAN-made fork lift mast. Twin cylinders provide steadier, safer, lifting by evenly distributing vehicle weight. Twin cylinders give more years of trouble-free service than single cylinder, cable or mechanical screw type lifts. Compact size, adjustable width, and overhead line height allows installation where other lifts won't fit. Mohawk's cylinders do not protrude above posts as some others do. This Mohawk feature allows installation in low ceiling bays, sloped floors or other special circumstances. Simplicity of design assures trouble-free operation.



### **MOHAWK'S TWIN SAFETY SYSTEM**

From the moment the arms engage the vehicle frame, Mohawk's all-position mechanical and hydraulic safety system locks the vehicle at every working height on both sides. YOU are always secure. To release, simply pull the safety reset on each carriage and lower handle. Mohawk's main chains are super strong. They are much stronger than cable drives which fray, stretch and need constant maintenance. Chains don't break. Equipped with standard single phase, 220-volt, 2-horsepower motor.



## MOHAWK'S PATENTED HYDRAULIC LIFTING SYSTEM: CLEAR-FLOOR - NO OBSTACLES

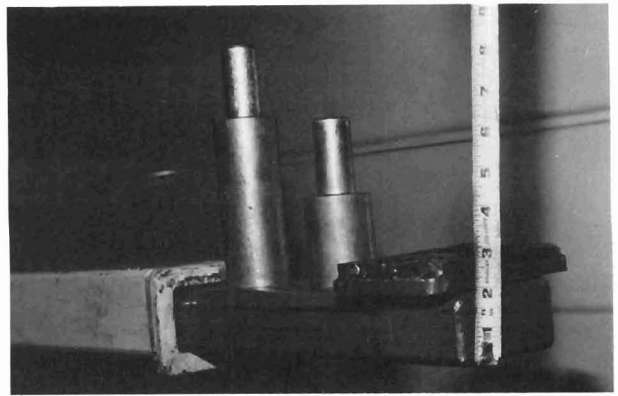
Fluid is pumped between the two cylinders through the overhead line. Hydraulic equalization eliminates the need for equalizer chains, cables, or connecting baseplates. Your clear-floor lift makes it easy for one man to position and raise "dead" vehicles. Ideal for transmission jacks, tool boxes, and engine hoists. All roll easily through the clear-floor Mohawk. **Another Mohawk plus!**

U S PATENT #4500071  
CANADIAN PATENT PENDING



## MOHAWK'S CLEARANCE

Complete under car access. Ideal for transmissions, brakes, exhaust systems, tire service, drive-train, front and rear-end work. Ideal for removing McPherson Struts. Body shop owners use the lift for insurance estimating and repairs on uni-body cars. Ideal for loading damaged vehicles on benches. Flat carriage design allows easy entry in and out of vehicle doors. Rubber carriage guards protect doors from dents. **There isn't anything you can't do with a Mohawk clear-floor lift.**



## MOHAWK'S LOW ARM PAD HEIGHT

Low 3½" pad height allows easy lifting of ALL American and foreign cars. 2½" and 5" adapters are included to accommodate vans, light trucks and utility vehicles. **MOHAWK LIFTS THEM ALL!**

## GROW WITH MOHAWK

Expand your shop or relocate to a larger one, Mohawk lifts can be installed indoors or outdoors in as little as two hours.

## MOHAWK'S CHOICE

Choose 9,000 or 6,000 pound capacities depending on your lifting needs. Let Mohawk assist you with a two-year, three-year or longer lease purchase plan.

## MOHAWK'S THREE-YEAR GUARANTEE

MADE IN AMERICA-STANDARD FOR THE WORLD. Superior design, quality AMERICAN craftsmanship, patented lifting system and the finest materials are the reasons for Mohawk's three-year guarantee\*, plus Mohawk's lifetime cylinder warranty.

**WHEN YOU BUILD THE BEST LIFT...YOU GIVE THE BEST GUARANTEE.**

## MOHAWK CAN SOLVE YOUR LIFTING PROBLEMS

Do you have a special lifting problem? Let our field trained personnel help. Call Mohawk now! We will solve your lifting problems.

## MOHAWK'S CHALLENGE

**Be a smart equipment buyer** - before you buy any lift, SEE a Mohawk. If you SEE a Mohawk, you'll BUY a Mohawk. Call Mohawk now at 1-800-833-2006 Toll-Free or in New York State call collect at 518-842-1431 for the nearest lift or Mohawk distributor.

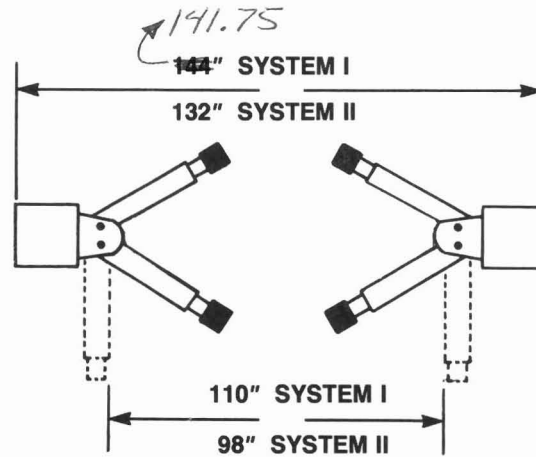
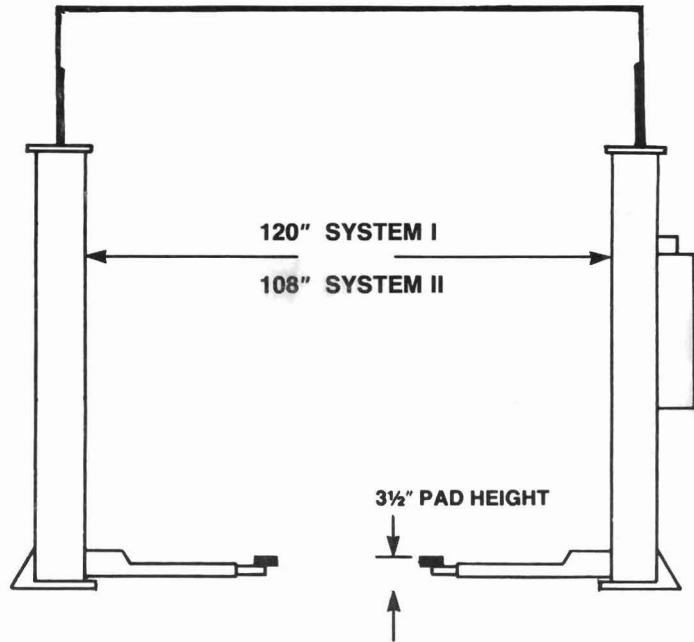
**WHEN YOU ARE UNDER A LIFT FOR 8 HOURS A DAY OR MORE, WHY NOT BUY YOURSELF THE VERY BEST!**

\*Does not include power unit which carries a one-year manufacturer's guarantee.

# SPECIFICATIONS

|                                 | MODEL<br>SYSTEM I       | MODEL<br>SYSTEM II |
|---------------------------------|-------------------------|--------------------|
| CAPACITY IN POUNDS .....        | 9000                    | 6000               |
| LIFTING SPEED .....             | 45 SEC                  | 45 SEC             |
| MOTOR RATING .....              | 2 HP                    | 2 HP               |
|                                 | 220 VOLT                | 220 VOLT           |
|                                 | SINGLE PHASE*           |                    |
| LIFTING HEIGHT .....            | 72"                     | 72"                |
| WIDTH OVERALL .....             | <del>144"</del> 141.75" | 132"               |
| BETWEEN POST .....              | 120"                    | 108"               |
| BETWEEN LIFTING ARMS .....      | 110"                    | 98"                |
| HEIGHT OVERALL .....            | 108"                    | 96"                |
| MAXIMUM ARM HEIGHT .....        | 75½"                    | 75½"               |
| WITH ADAPTERS .....             | 80¾"                    | 80¾"               |
| SHIPPING WEIGHT IN POUNDS ..... | 2400                    | 1500               |

\*AVAILABLE IN THREE PHASE AT ADDITIONAL COST.



## MOHAWK RESOURCES LTD.

PO Box 26, Mohawk Industrial Park  
 Amsterdam, NY 12010 • Call 1-800/833/2006  
 In NY Call Collect 518/842/1431



## EXCLUSIVE MOHAWK FIVE YEAR WARRANTY

Mohawk's lifts, exclusive of motor and hydraulic pump are guaranteed for five years from date of invoice against defects in workmanship and/or materials when the lift is installed and used according to our specifications. Mohawk's obligation under this warranty is limited to repairing or replacing any part or parts returned to this factory, transportation charges prepaid which prove upon inspection to be defective and which have not been misused. Damage or failure to any part due to faulty maintenance is not covered by this warranty. Mohawk reserves the right to decline responsibility when repairs have been made or attempted by others. The foregoing contains the entire agreement between Mohawk Resources Ltd. and the purchaser unless otherwise specifically expressed in writing. Electric motor and pump carry a one year warranty. This non-transferable warranty runs to the original purchaser only.

Recommendations by the individual user or using organization for improving this publication or any aspect of the product are encouraged and should be forwarded in writing to Mohawk Resources Ltd.

This is not a vehicle lifting procedure manual and no attempt is made or implied herein to instruct the user in lifting methods particularly to the individual application of the equipment described in this manual. Rather, the contents of this manual are intended as a "base line" for operation, maintenance, troubleshooting, and parts listing of the unit as it stands alone and as it is intended and anticipated to be used in conjunction with other equipment.

Proper application of the equipment described herein is limited to the parameters detailed in the specifications and the uses set forth in the descriptive passages. Any other proposed application of this equipment should be documented and submitted in writing to Mohawk Resources Ltd. for examination. The user assumes full responsibility for any equipment damage, personal injury, or alteration of the equipment described in this manual or any subsequent damages.

### IMPORTANT NOTE

A "LEVEL" floor is suggested for a proper installation site and will ensure level lifting. Small differences in floor slopes may be compensated for by proper shimming. Any major slope changes will affect the low profile height of the lifting pads and/or the units level-lifting performance. If a floor is of questionable slope, consider a survey of the site and/or the possibility of pouring a new level concrete slab section. Simply stated, for optimum level lifting, the equipment, at best, can lift only as level as the floor on which it is located. . . and should not be expected to compensate for drastic floor slope differences.

IMPORTANT

DO NOT install this unit on any asphalt surface.

DO NOT install this unit on any surface other than concrete conforming to the minimum specifications stated in this manual. Page 5

DO NOT install this unit on expansion seams or on cracked, defective concrete check with building architect.

DO NOT install this unit on a second floor or any ground floor with a basement beneath without written authorization from the building architect.

\* \* INSTALL THIS EQUIPMENT ON CONCRETE ONLY \* \*

If, for any reason, a new concrete slab section is required, the minimum thickness, strength, and proper aging are mandatory. For your protection, certified strength documentation should be obtained from the firm who supplies the concrete mixture at the time of the pour. Special consideration should be paid to the joining of the existing floor and the new section being added. Check with building architect. The suggested size of the new concrete slab section is dependent upon the particular model being considered. (see appendices).



\* \* \* NOTE \* \* \*

Do not weld, apply heat, or modify this equipment in any manner without WRITTEN authorization from Mohawk Resources Ltd.: Certain alloy or heat-treated components may be distorted or weakened, resulting in an unsafe condition. Mohawk Resources Ltd. is NOT responsible for distortions which result from welding on this equipment after manufacturing is completed. Unauthorized welding, application of heat, or modification of this equipment voids any and/or ALL applicable warranties covering this equipment.

All warranties applicable to this equipment are contingent on strict adherence to the maintenance schedules and procedures in this manual.

Keep all shields and guards in place. Insure all safety mechanisms are operable. Keep hands, feet, and clothing away from power-driven and moving parts.

This equipment must be installed on a level concrete floor with a MINIMUM thickness of 4 ½ inches. The concrete must be aged at least twenty-eight (28) days prior to installation and have a MINIMUM tensile strength of three thousand (3000) P.S.I.

\* \* \* CAUTION \* \* \*

The equipment described in this manual could be potentially dangerous if improperly or carelessly operated. For the protection of all persons and equipment, only competently trained operators who are critically aware of the proper operating procedures, potential dangers, and specific application of this equipment should be allowed to touch the controls at any time.

Safe operation of this equipment is dependent on use in compliance with the operation procedures outlined in this manual along with the maintenance and inspection procedures with consideration of prevailing conditions.

The equipment described in this manual is neither designed nor intended for any application alone or in conjunction with any other equipment that involves the lifting or moving of PERSONS.

Always consult the vehicle lifting guide for the proper lifting points on any vehicle. These guides are available from the vehicle manufacturers. A sample of a vehicle lifting guide (in brief) is included in this publication. Page 30

After lifting the vehicle to desired height, ALWAYS lower the unit onto the mechanical safeties. The forming of good operational work habits, will eliminate oversights in the use of provided safety devices.

## SAFETY TIPS

Please post these safety tips in a place where the operator will be constantly reminded of their importance. ALWAYS REFER TO THE LIFTS SPECIFIC SAFETY, OPERATING AND MAINTENANCE INSTRUCTIONS:

1. When positioning vehicle, do not hit or run over lift arms, adapters or axle supports.
2. Operating valves, switches and locking devices are designed for maximum safety. NEVER attempt to block open or override them.
3. Never overload your lift beyond stated capacity.
4. Do not allow customers or by-standers to operate lift or to be in lift area during its operation. Never raise vehicle with anyone inside it. Only properly trained personnel should be allowed to operate lift.
5. Be sure work area around lift is clear, free of obstructions, debris, grease and oil.
6. Never attempt to operate a lift if it appears to be malfunctioning or if broken or damaged parts are evident.
7. Load lift carefully. Check to be sure adapters or axle supports are in secure contact with vehicle, PER INSTRUCTIONS, before raising to desired working height.
8. Release locking devices AS PER INSTRUCTIONS before attempting to lower lift.
9. Before removing vehicle from lift area, position arms, adapters or axle supports to assure that vehicle or lift will not be damaged.
10. After lifting vehicle to desired height, ALWAYS lower the unit onto mechanical safeties.

PACKING LIST

(SYSTEM I)

| <u>QUANTITY</u> | <u>DESCRIPTION</u>   |
|-----------------|--|
| (1)             | MAINSIDE LEG (RUBBER GROMMET INSTALLED)                                  |
| (1)             | OFFSIDE LEG (1" PIPE COUPLING WELDED @ TOP OF <u>BOTH</u> LEGS!)         |
| (4)             | SWING ARMS WITH SLIDERS (CHECK SLIDING FIT!)                             |
| (1)             | HYDRAULIC TUBE ASSEMBLY x 60" LONG (CHECK FLARES!)                       |
| (2)             | HYDRAULIC TUBE ASSEMBLIES x 100" LONG (CHECK FLARES!)                    |
| (2)             | HYDRAULIC TUBE ASSEMBLIES (BENT @ 90°) (CHECK FLARES!)                   |
| (2)             | 1" PVC PIPE (THREADED ONE END!)  |
| (1)             | HYDRAULIC POWER UNIT (TESTED AND FILLED)                                 |
| (1)             | <u>CHAIN BOX</u>   |
|                 | <u>INCLUDING:</u>  |
| (1)             | 1" x 13' CLEAR HOSE FOR BLEEDING   |
| (4)             | SWING ARM BOLTS (PROTECTED THREADS!)                                     |
| (8)             | 1"-14 NS NYLON NUTS (CHECK <u>FINE</u> THREADS!)                         |
| (14)            | 3/4 x 5" LONG WEJ-ITS  |
| (4)             | 3" HEIGHT ADAPTERS   |
| (4)             | 6" HEIGHT ADAPTERS   |
| (4)             | SWIVEL LIFTING PADS (CHECK FIT IN SLIDER!)                               |
| (4)             | UNION FITTINGS   |
| (1)             | FEMALE RECEPTACLE (HUBBLE PLUG)  |
| (1)             | INSTALLATION MANUAL  |
| (5)             | 5/8" WASHER (SHIMS FOR OFFSIDE CYLINDER)                                 |
| (5)             | 1/2" WASHER (SHIMS FOR MAINSIDE CYLINDER)                                |
| (4)             | 5/16" x 1 " BOLT   |
| (4)             | 5/16" WASHER   |
| (4)             | 5/16" NYLON NUT  |
| (2)             | HEIGHT ADAPTER BRACKET   |
| (1)             | CAN SPRAY PAINT (RED)  |
| (1)             | CAN SPRAY PAINT (YELLOW)   |
| (4)             | ARM LOCK PIN (ASSEMBLED WITH HANDLE, WASHER, BOLT, SPRING, & SNAP RING.) |
| (1)             | BREATHER CAP (FOR POWER UNIT)  |

DATE: \_\_\_\_\_ SERIAL NUMBER: \_\_\_\_\_

PACKED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

FINAL INSPECTION BY: \_\_\_\_\_

(SUPERVISORY PERSON ONLY)

SYSTEM II  
INSTALLATION MANUAL

The Mohawk System II installation manual coincides with the System I except for standard widths which are explained in the following instructions.

For service call your local distributor or the Mohawk factory.

PACKING LIST

(SYSTEM II)

CHANGE

QUANTITY      DESCRIPTION

- 1 Mainside Leg (rubber grommet installed)
- 1 Offside Leg (1" pipe coupling welded @ top of BOTH legs!)
- 4 Swing arms with sliders (check sliding fit!)
- 1 Hydraulic tube assembly X 60" long (check flares!)
- 1 Hydraulic tube assembly X 100" long (check flares!)
- 1 Hydraulic tube assembly X 88" long (check flares!)
- 2 Hydraulic tube assemblies (bent @ 90°) (check flares!)
- 1 Hydraulic power unit (tested and filled)

INCLUDING:

- (1) Handle
- (1) Breather cap
- (1) Hydraulic tube assembly (power unit to mainside cylinder)

CHAIN BOX

INCLUDING:

- (1) 1" X 13' Clear hose for bleeding
- (2) Tubing clamps
- (4) Swing arm bolts (protect threads!)
- (8) 1" - 14 NS Nylon nuts (check FINE threads!)
- (14) 3/4 X 5" long Wej-its
- (4) 2 1/2" Height adapters
- 4** ~~(4)~~ 5" Height adapters
- (4) Swivel (lifting) pads (check fit in slider!)
- (4) Union fittings
- (1) Female receptacle (hubble plug)
- ~~(1) Female receptacle (hubble plug)~~
- (1) Installation manual
- (12) 1" flat washers (for use with swing arm studs)

DATE: \_\_\_\_\_ SERIAL NUMBER: \_\_\_\_\_

PACKED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

FINAL INSPECTION BY: \_\_\_\_\_

(SUPERVISORY PERSON ONLY)

## ASSEMBLING THE MOHAWK LIFT

1. Disassemble the packaged lift. Cut all the banding, and discard. Remove the swing arms. Separate the post by removing the carriage stops at the ends. Save the carriage stops, as they are a necessary part of the final installation. Separate the posts with an overhead lifting device. Remove the parts box, hydraulic lines, and the PVC pipes.

## **WARNING**

Each column weighs over 900 lbs. Lift by chains attached to the top of the safety latch rack, and outside holes in the footing. Stand the columns in upright position.

2. Test drill for proper thickness of the concrete. Locate the lift with the Mainside leg on desired side. It is advisable to keep the Mainside leg against the wall or shop edge to minimize chances of damaging the motor. Stand columns in the appropriate location (see illustration on page 31). It is best to bring in a vehicle at this time to make sure the lift is properly located.

3. Drill five 3/4" holes on the outside of each post AT LEAST 5" DEEP. This will insure that the Wej-it bolts will be able to expand in the concrete. Be sure to use a sharp drill bit as not to drill an oversize hole (see page 31).

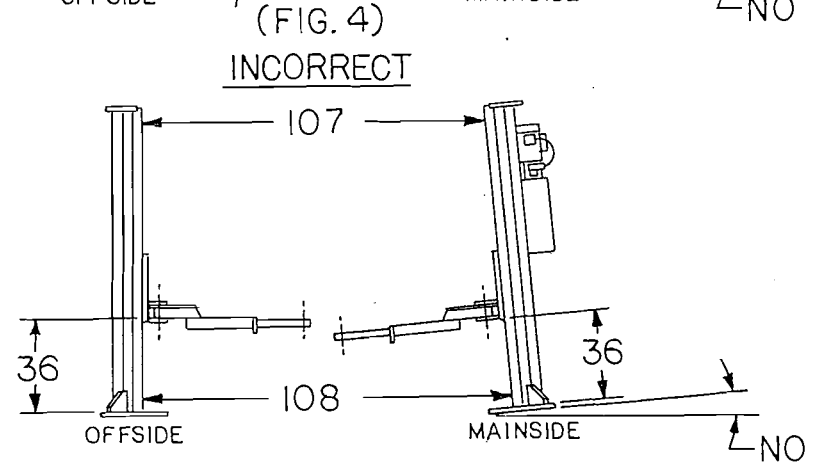
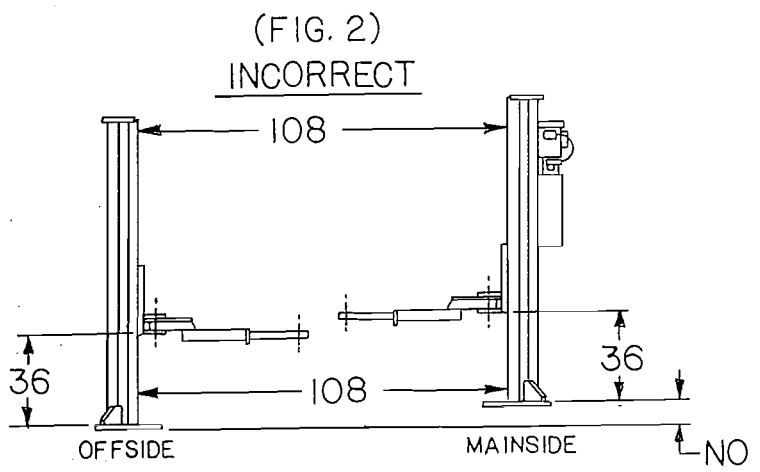
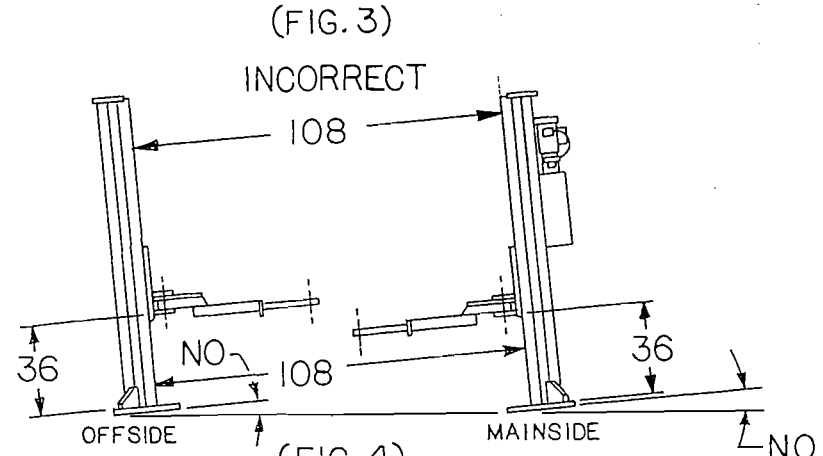
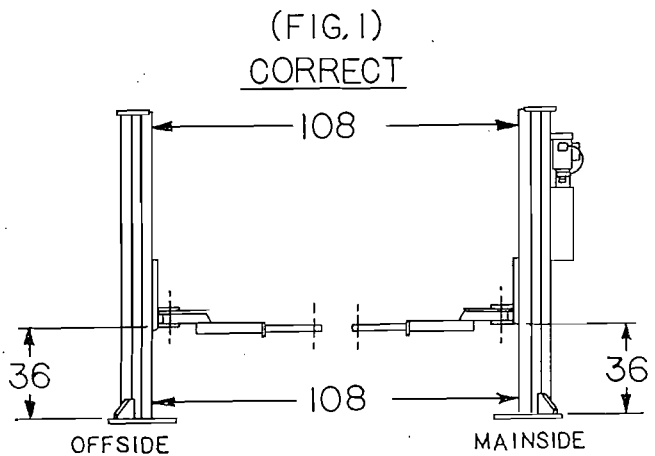
## **WARNING**

Make sure the concrete is solid when drilling. Cracks and expansion seams reduce the effectiveness of the Wej-it bolts. NEVER INSTALL THE LIFT UNDER THESE CONDITIONS.

4. Tap the Wej-it bolts into the holes. HAND TIGHTEN ONLY.

## SHIMMING POST

5. Level the post by inserting steel spacers as shims under the lift footings. The lift must be level both front to rear and side to side. A LEVEL DEVICE MUST BE USED. Make sure the posts are square to each other.



# MOHAWK RESOURCES LTD.

MOHAWK INDUSTRIAL PARK  
AMSTERDAM, NEW YORK 12010

TOLERANCES:  
ANGULAR: ± 1°  
FRACTIONAL: ± 1/32  
DECIMAL: ± .030  
          ± .005

|         |          |               |                |
|---------|----------|---------------|----------------|
| SCALE   | DRAWN    | TITLE         |                |
| CHECKED | APPROVED |               |                |
| DATE    | WEIGHT   | NEXT ASSEMBLY | DRAWING NUMBER |





\* \* \* NOTES \* \* \*

A. The 36" measurement of the carriage heights shown in the diagram on page 12 could be any measurement (number) from 6" to 70".

B. The carriage height is determined by measuring from the top of the base plate to the bottom pivot ear on the carriage. See diagram on page 12.

C. The measurement between the post is made from the face of the Mainside channel to the face of the Offside channel at the bottom of the post and at the top of the post.

D. Mainside post is always referred to as the side with the power unit.

E. Mainside post is to be set on the high side if the concrete floor has a slope from the left or right hand side. See diagram fig. 2, page 12.

FIG. 1

On this lift the floor is level and the posts are parallel and the swing arms are even in the center of the lift.

FIG. 2

This floor has a slope going from the Mainside post to the Offside post. The posts are parallel and straight and the carriages are at the same height but note the difference in the heights of the swing arms. If a difference of over 1" is noted it is advised to relocate the lift to a better suited location.

FIG. 3

The posts show to be even to each other with a measuring tape, and

the carriage heights are the same. The difference between the height of the swing arms is due to both posts leaning to one side.

FIG. 4

A bubble level may be used to set up the post, but by measuring with a measuring tape is preferred when making posts parallel from the Mainside post to the Offside post. Note the difference of the swing arm heights because of the 1" difference at the top of the post. (see page 12.)

6. Raise the carriages manually to waist high level.
7. Swing the four carriage stops inward on top of the posts and secure tightly so that the carriage can not raise above the column. (see page 23).
8. Before placing hydraulic line, make sure it is clean. Blow out each hydraulic line with an air hose. Place hydraulic line between, and above the posts. SEE TUBING LAYOUT. Page 21 & 22.

## CAUTION

This is stainless steel tubing. Exercise caution when tightening so as not to crack the fittings.

9. Insert the two threaded PVC pipes onto the tops of each post. The PVC pipe is used as a support for the overhead hydraulic line assembly. The System II requires line clips. These are to be placed into the motor mounting bracket holes on the back of each post.
10. Drill four inside holes at least 5" deep. Install Wej-it bolts.
11. Place the swing arms with the sliders, in the mounts in the carriages. Align the pivot holes and insert the swing arm bolts from the top. Completely tighten the swing arm bolts. The System II requires the one inch flat washers to be placed on the top and the bottom of the pivot hole.

12. The height adapter brackets on the System II are to be mounted on the back of the post using the cylinder bracket fasteners.

13. On the System I, there are 4 7/16" holes. Two on each post 22½" from the base plate. This is where the two height adapter brackets are to be fastened.

### BLEEDING THE SYSTEM

1. Remove the bleeder cap from the Offside cylinder. SEE TUBING LAYOUT on page 21,22. Insert brass male union.
2. Connect the plastic tubing to the male union.
3. Remove the breather cap from the power unit, insert the plastic tubing.
4. Engaging the power unit, run Mainside carriage to full height.
5. With Mainside carriage at full height, run power unit for one minute. (or until no air can be seen in the hydraulic system).
6. Remove the plastic tubing, replace the union cap, and the breather cap. TIGHTEN.
7. Engage power unit, run Offside carriage to the top. Release the safeties and lower the lift.
8. Crack the bleeder cap on the Offside cylinder. When the chrome rod is completely retracted, TIGHTEN. Run the lift to the top to equalize.

## **WARNING**

This is a totally sealed zero-leakage system. Extremely high pressure may be trapped inside cylinders. Use caution when attempting removal of

the bleeder cap. First slowly crack the cap enabling trapped high pressure to slowly escape, then slowly remove the cap.

### **NOTE**

The power unit on this lift comes with oil in it. Even so, it may require additional oil. You may add dextrol II hydraulic fluid or equivalent. The reservoir tank is full when the oil is  $\frac{1}{2}$ " from the breather cap hole.

## **SHIMMING**

Shimming of the Off and Mainside cylinders is necessary only when the lift is lowered completely and there is slack in the lifting chain.

### **MAIN SIDE CYLINDER**

When slack is evident in the Mainside lifting chain, raise the carriage manually one foot (the mechanical safety will hold the carriage in place).

### **NOTE**

USE CAUTION WHEN LIFTING THE CARRIAGE.

Remove the yoke from the top of the cylinder and insert the shim(s) in the bore in the chrome rod. Replace the yoke. (see illustration Page 24 ).

Lower by lifting the carriage up and releasing the safety manually and lower the carriage to the floor. If there is still slack in the lifting chain, repeat these steps and add additional shim(s).

Shimming is not a method of adjusting the lift to pick up evenly. Do not attempt to raise the carriage height by adding shim(s). Shimming is for chain tension only.

## **SHIMMING**

Remove the pressure throughout the hydraulic system by cracking the bleeder cap on the top of the Offside cylinder. Once pressure is released remove the bleeder cap (see tubing layout).

## **OFF SIDE CYLINDER**

Raise the carriage manually one foot. The mechanical safety will hold the carriage in place.

## **NOTE**

USE CAUTION WHEN LIFTING THE CARRIAGE.

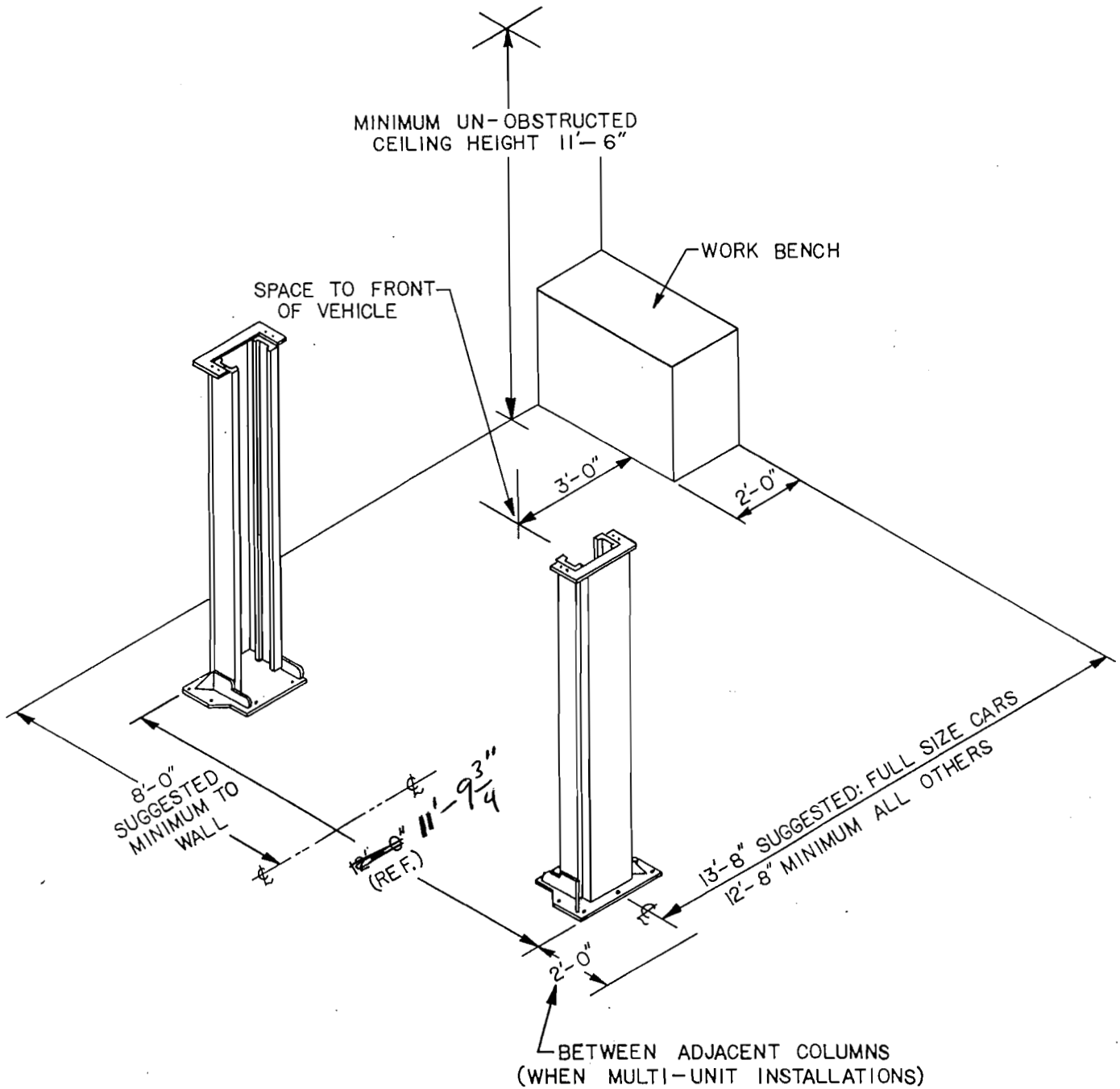
Remove the yoke from the top of the chrome rod.

Place the shim(s) on the top of the chrome rod. (see illustration on Page 25). Replace the Yoke.

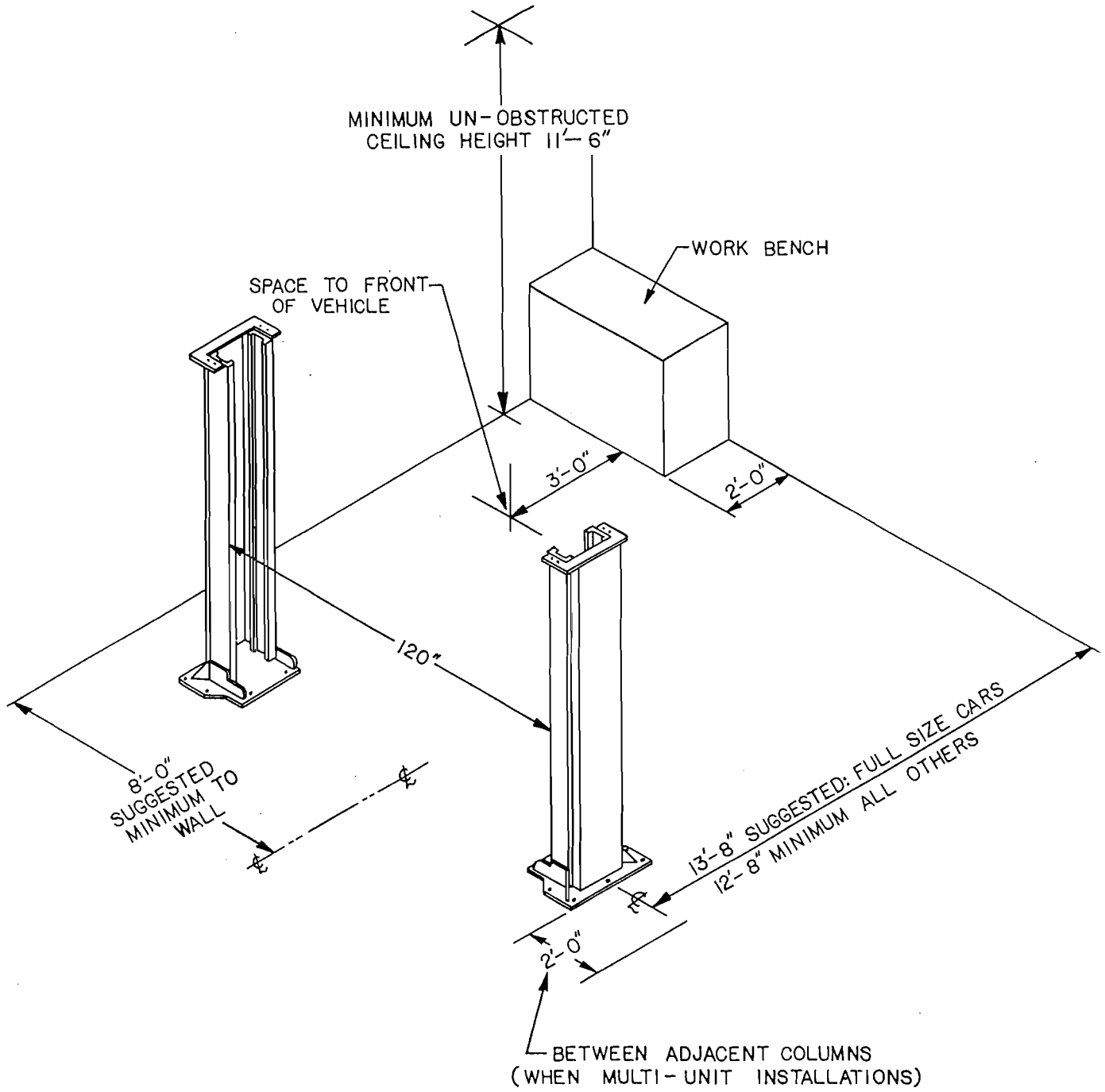
Lower by lifting the carriage up and releasing the safety manually and lower the carriage to the floor. If there is still slack in the lifting chain, repeat these steps and add additional shim(s).

## **WARNING**

This is a totally sealed leakage system. Extremely high pressure may be trapped inside cylinders. Use caution when attempting removal of the bleeder cap. First slowly crack the cap enabling trapped high pressure to slowly escape, then slowly remove the cap.

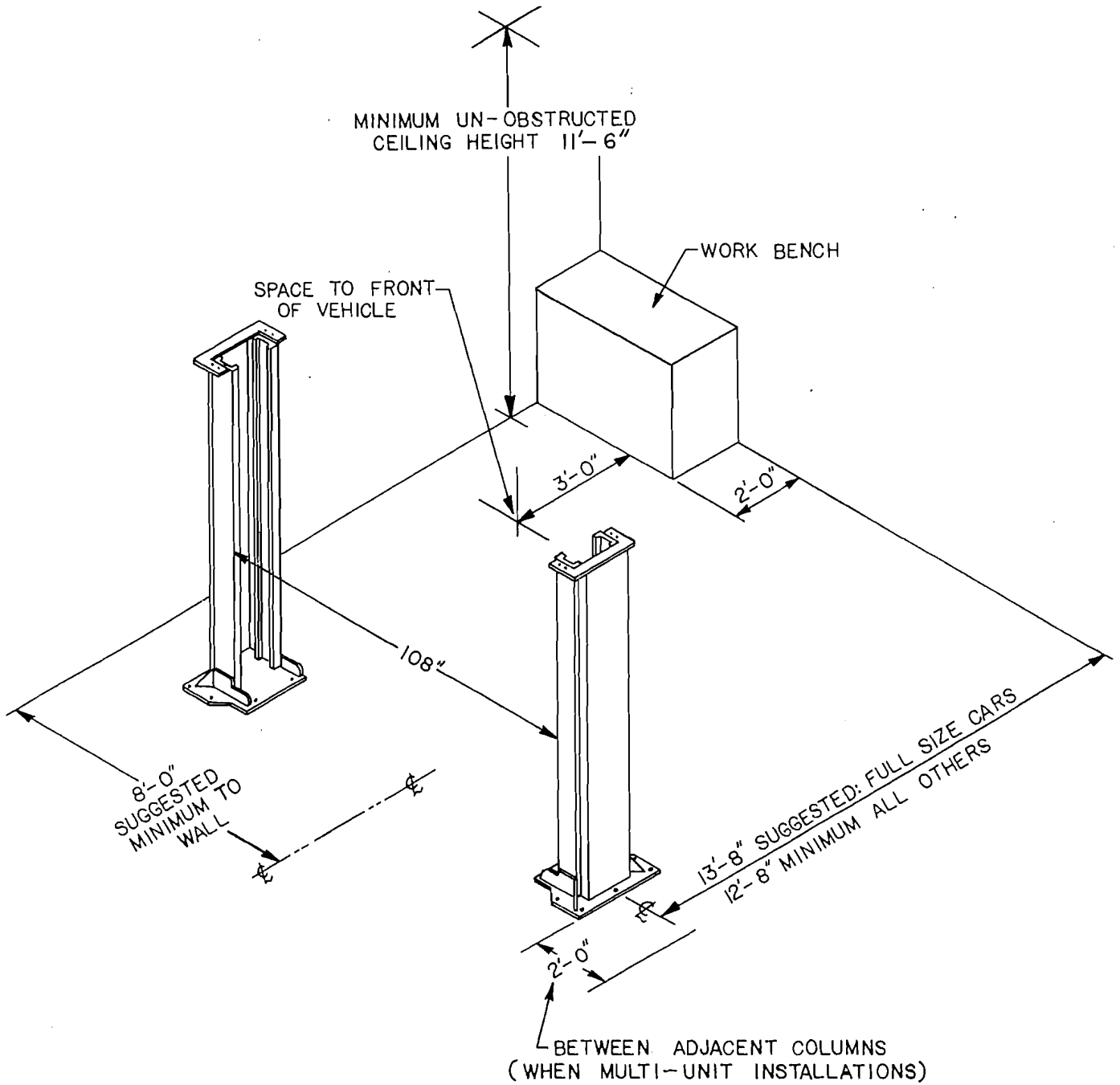


RECOMMENDED BASIC SPACE ENVELOPE FOR BAY/SITE PLANNING.



SYSTEM I

RECOMMENDED INSTALLATION DIMENSIONS

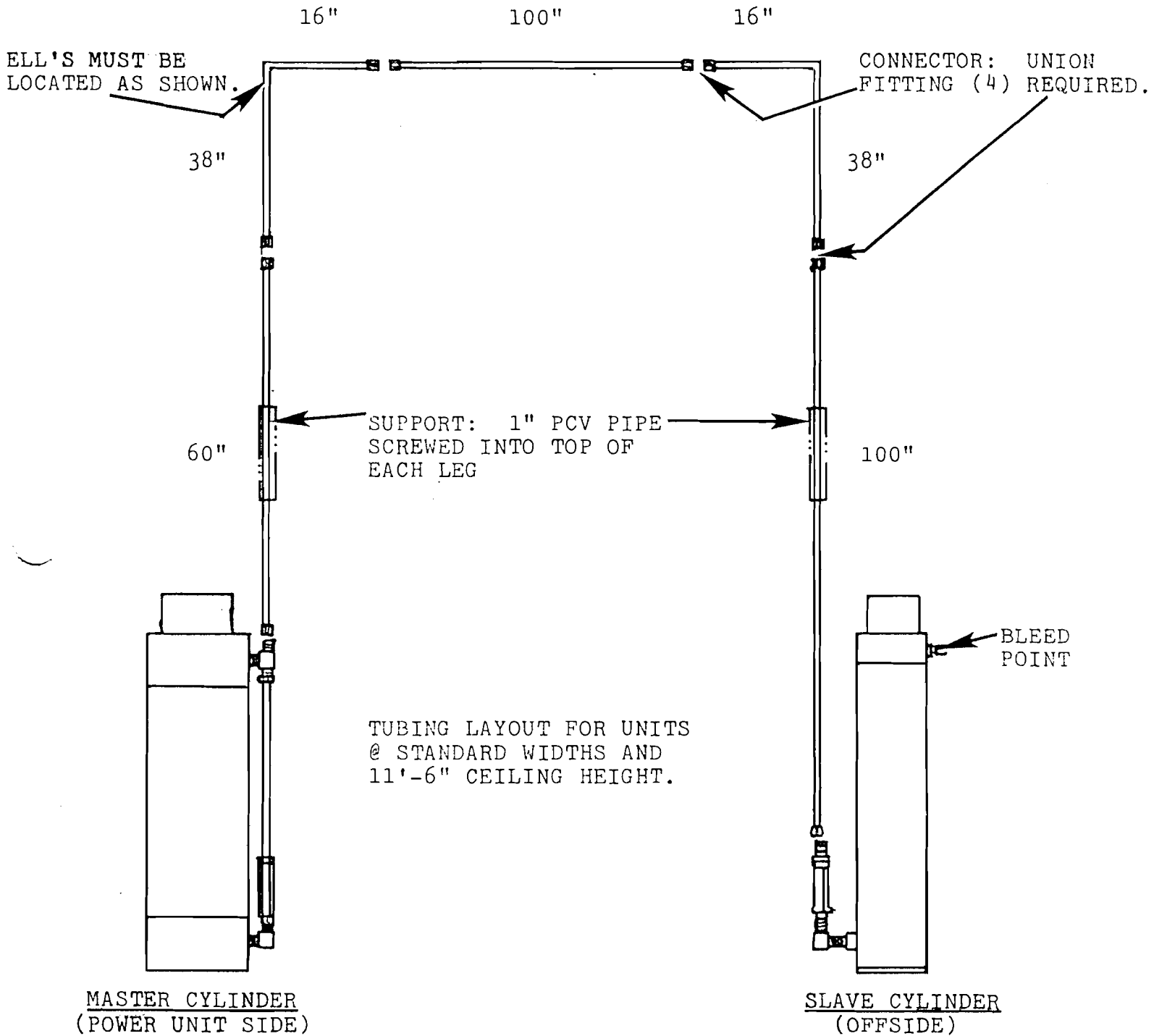


**SYSTEM II**

RECOMMENDED INSTALLATION DIMENSIONS

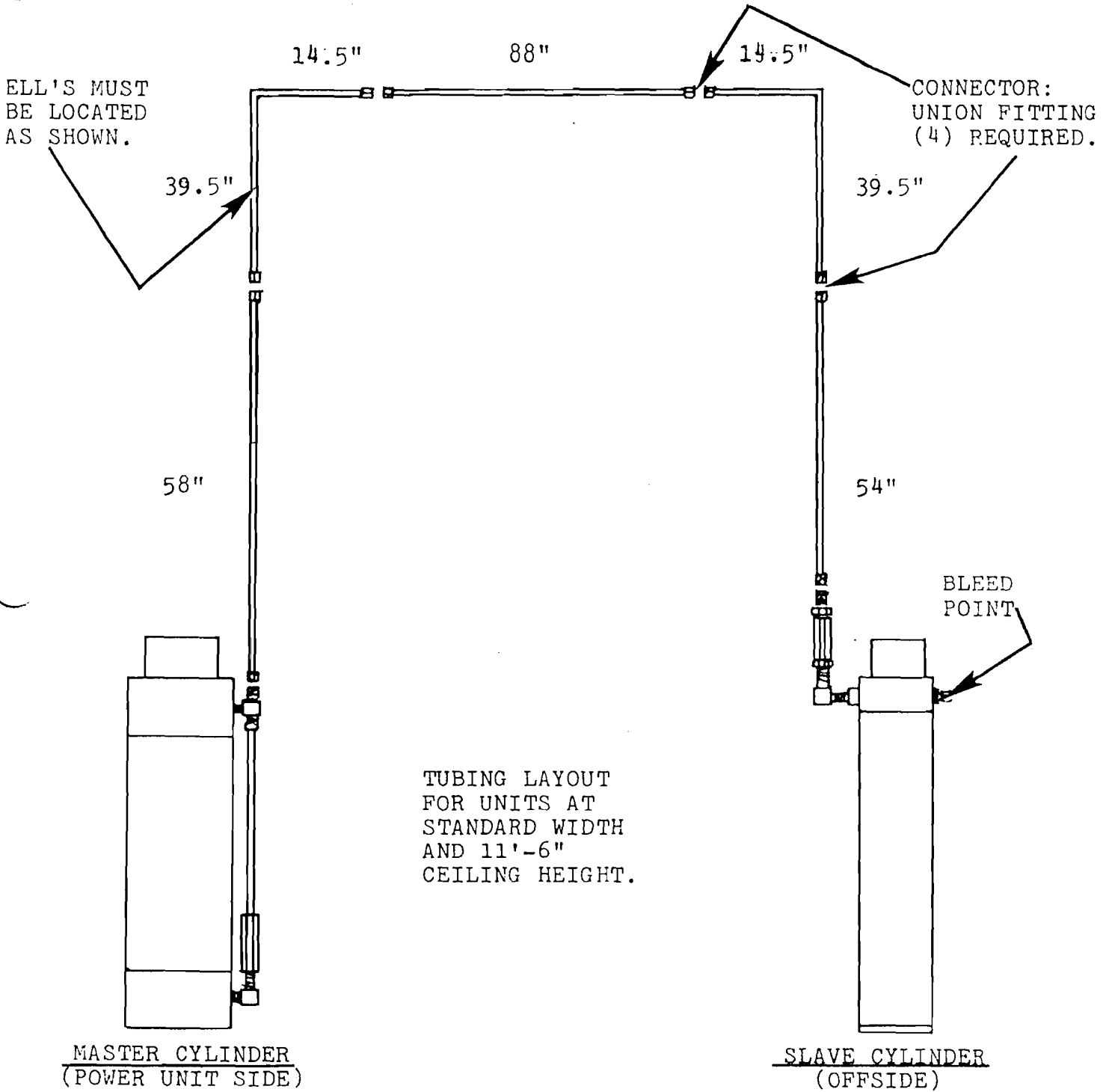


# SYSTEM-1



NOTE: FOR CLARITY, THE CYLINDER ORIENTATION HAS BEEN ROTATED. THIS ILLUSTRATION IS FOR PLACEMENT OF THE HYDRAULIC TUBING ONLY.

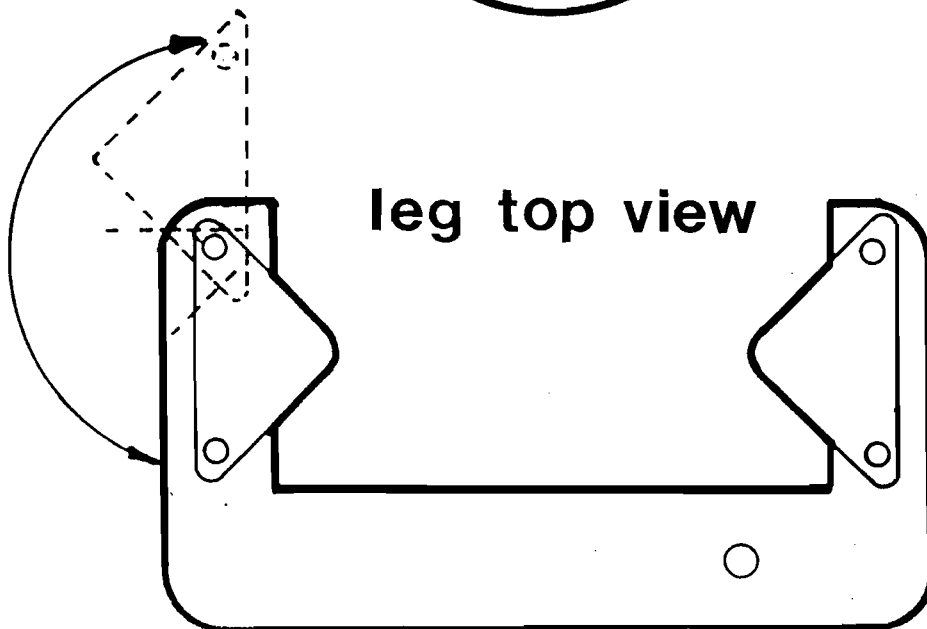
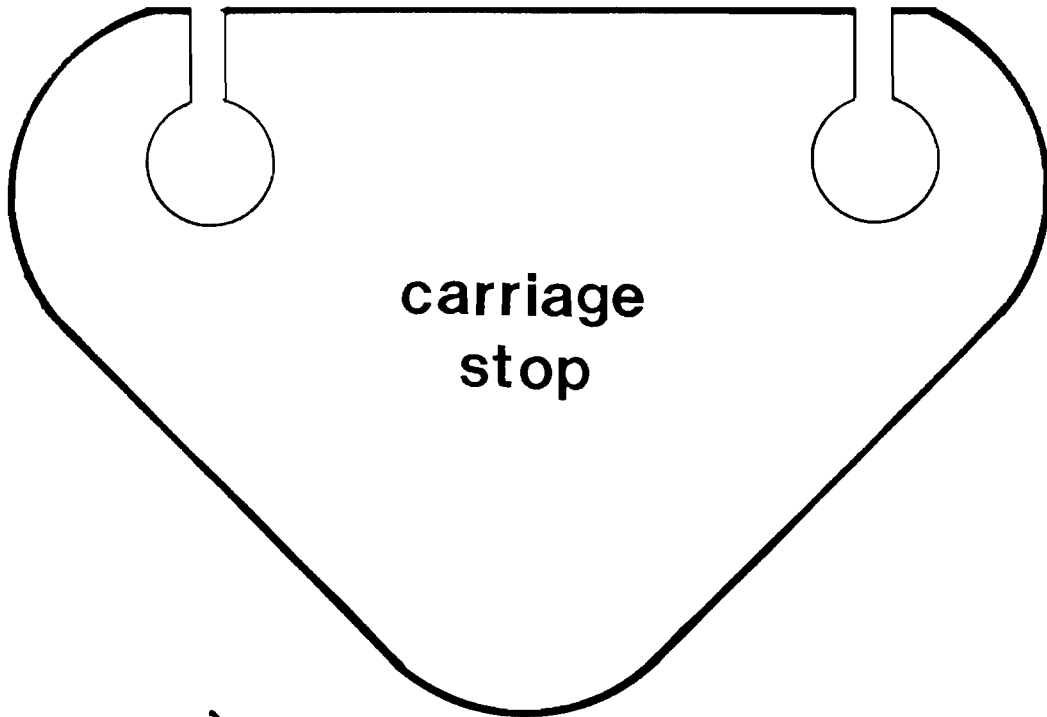
# SYSTEM-II



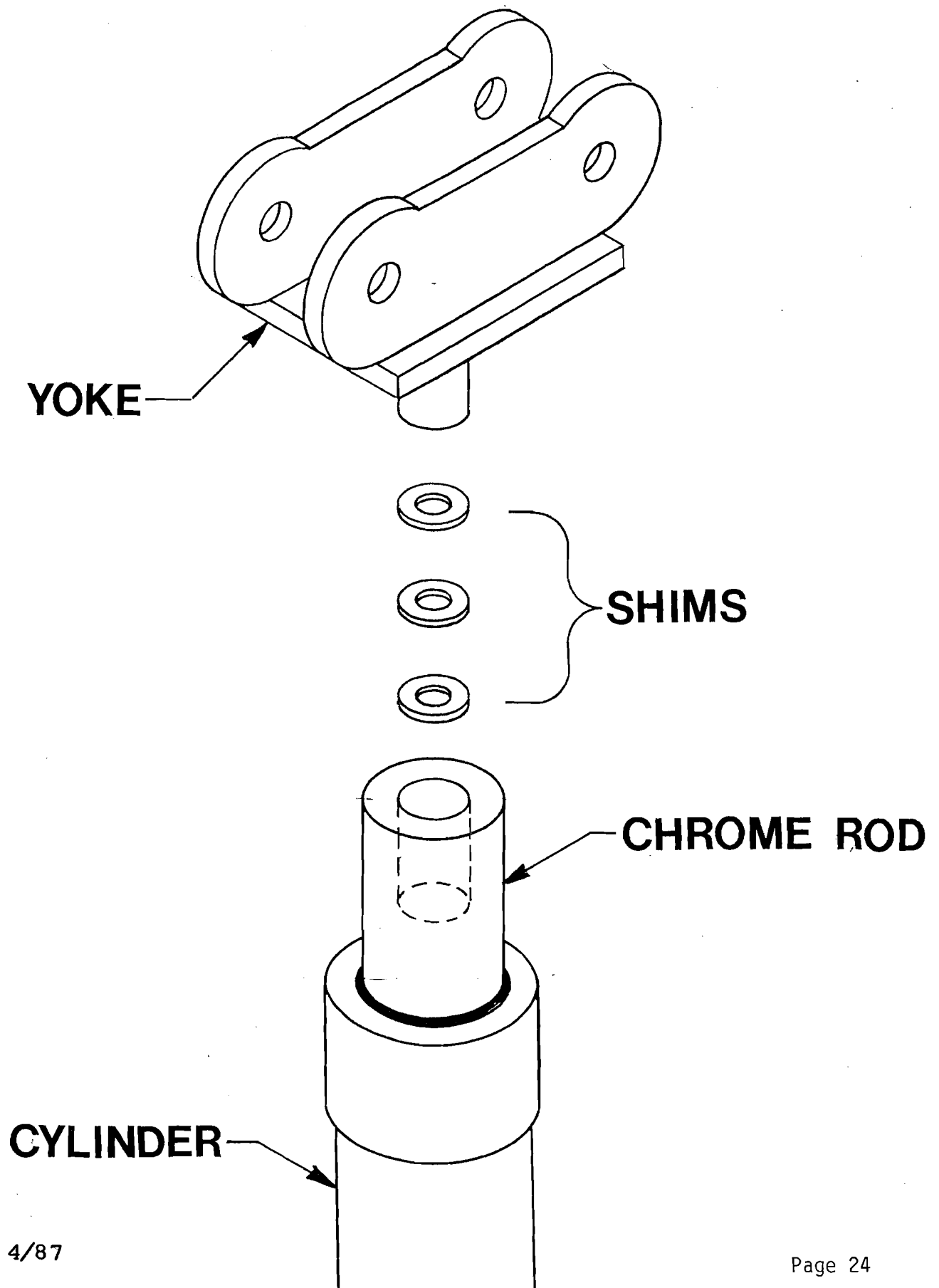
NOTE: FOR CLARITY, THE CYLINDER ORIENTATION HAS BEEN ROTATED. THIS ILLUSTRATION IS FOR PLACEMENT OF THE HYDRAULIC TUBING ONLY.

# CAUTION

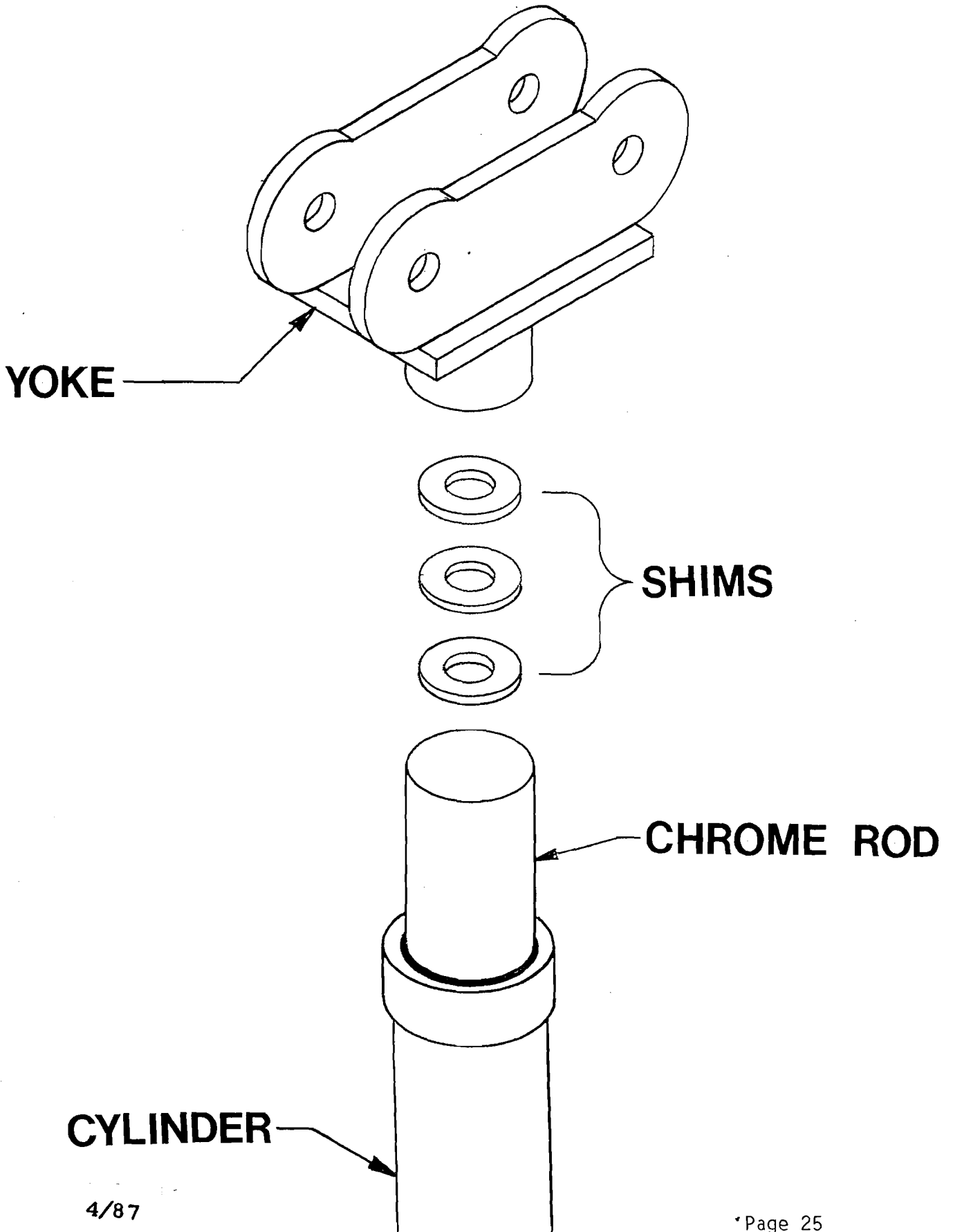
THESE CARRIAGE STOPS ARE TO BE USED IN THE ASSEMBLY OF THIS LIFT. IT IS EXTREMELY IMPORTANT TO PLACE THESE IN THEIR DESIGNATED POSITION WHICH IS SHOWN BELOW.



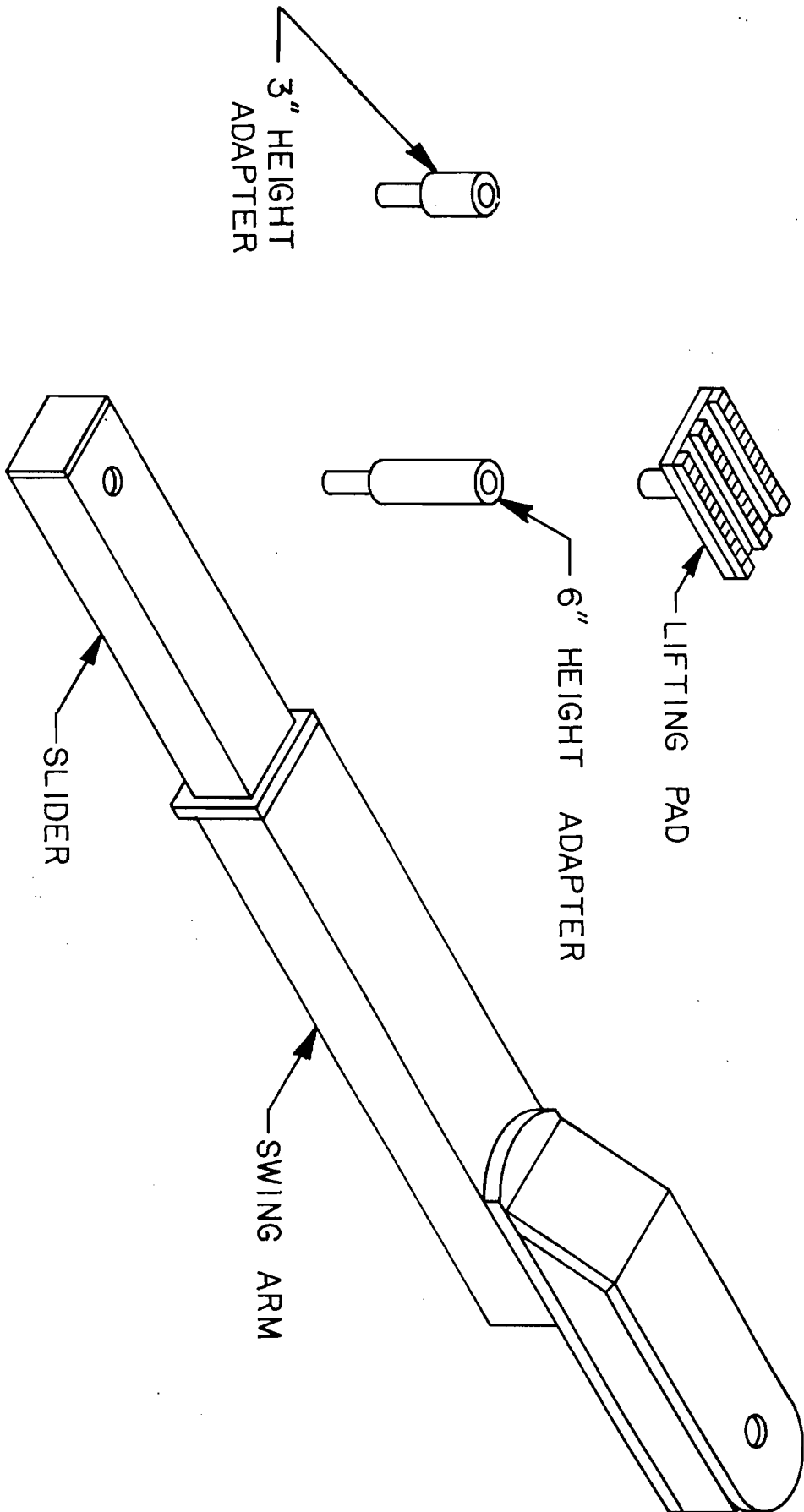
# MAIN SIDE CYLINDER



# OFFSIDE CYLINDER

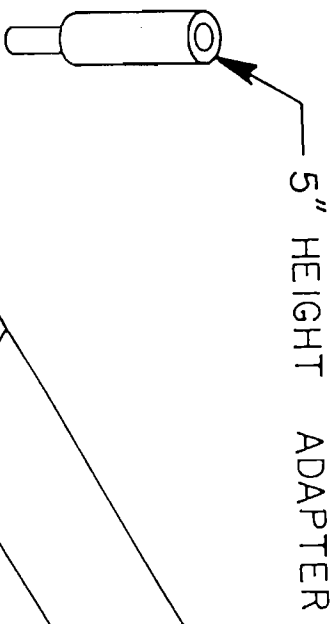
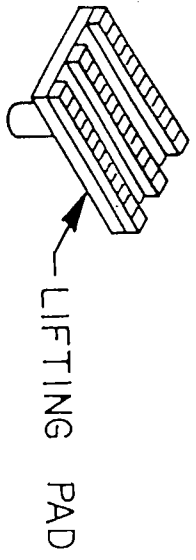
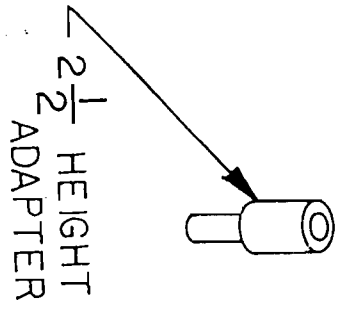
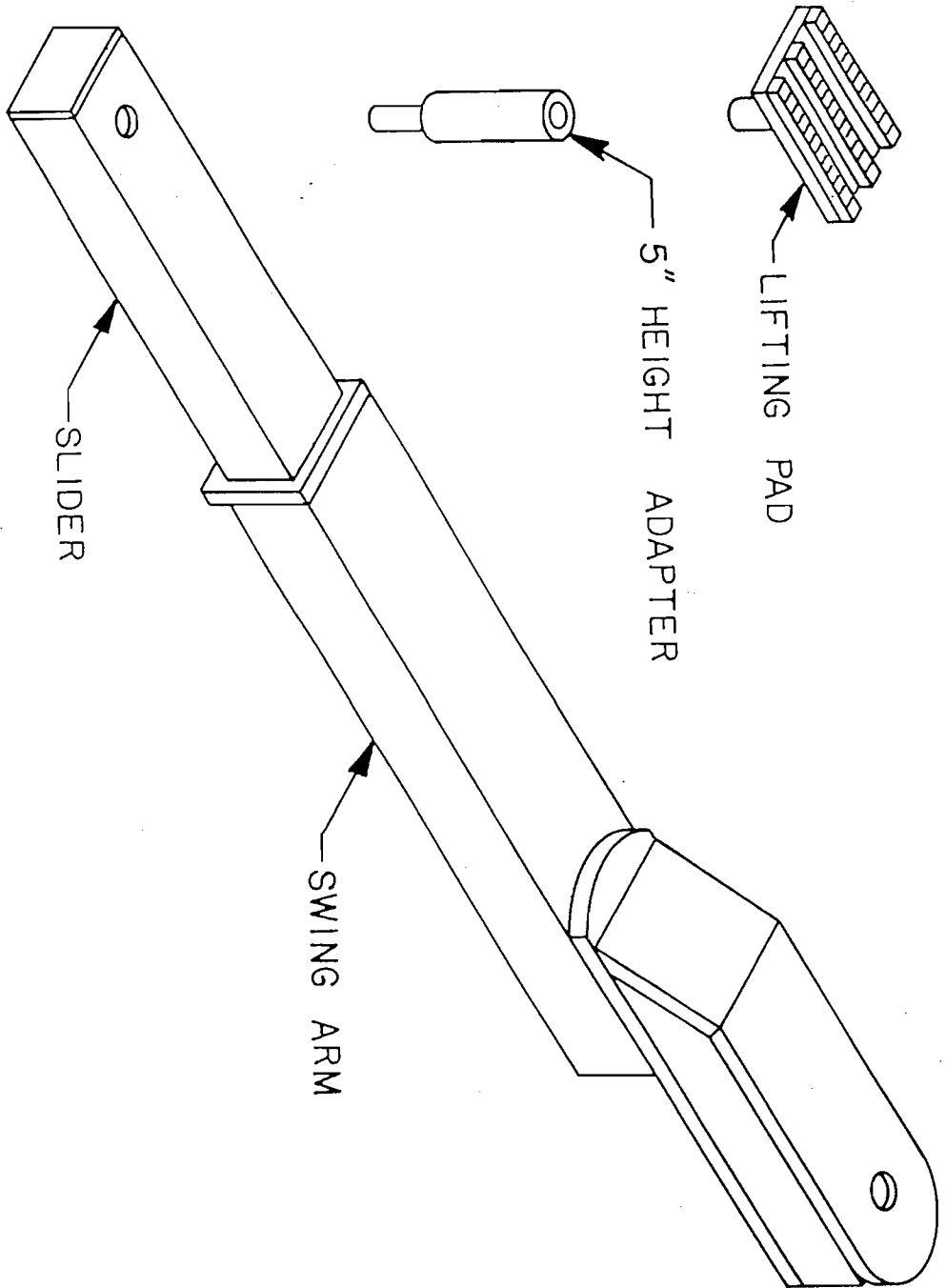


# SWING ARM ASSEMBLY



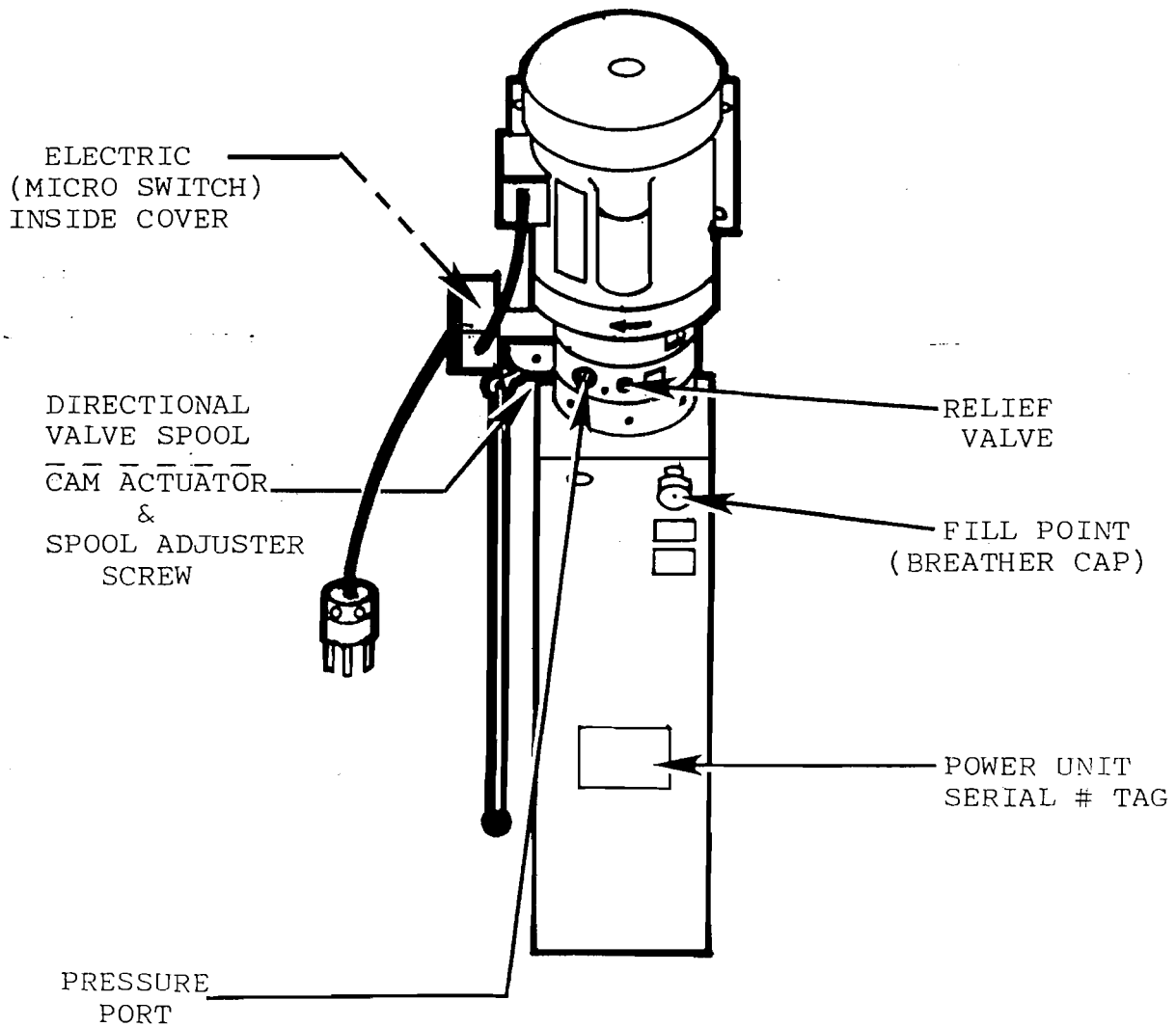
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# SWING ARM ASSEMBLY (SYSTEM II ONLY)



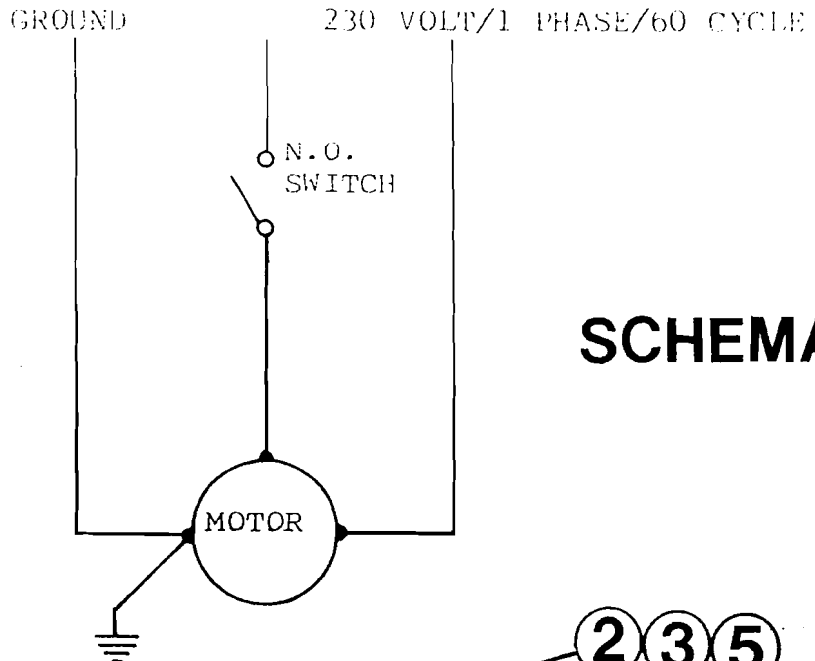
2/97

# POWER UNIT M-413

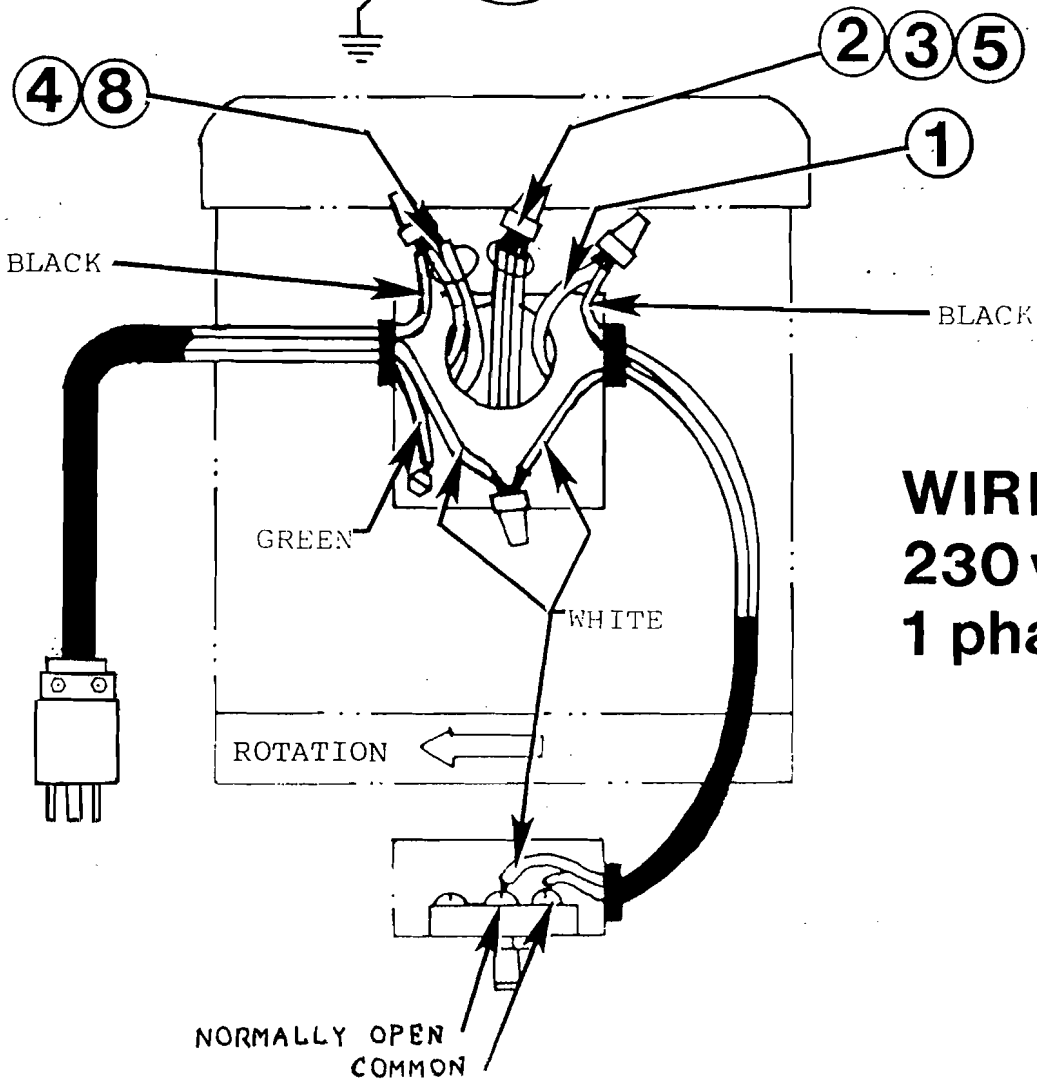




# ELECTRICAL



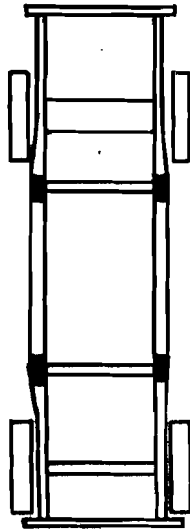
## SCHEMATIC



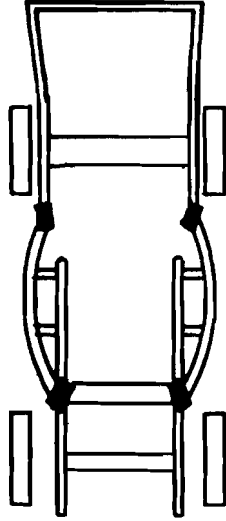
## WIRING 230 volt 1 phase

# LIFTING POINT GUIDE

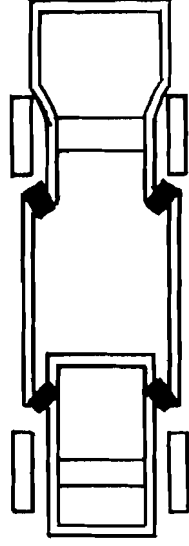
STRAIGHT FRAME



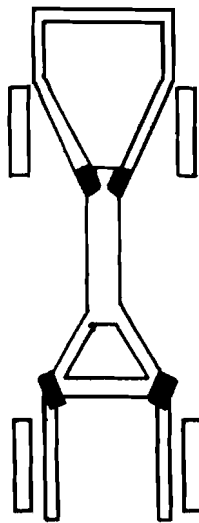
UNITIZED BODY



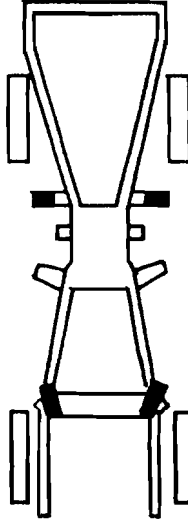
PERIMETER FRAME



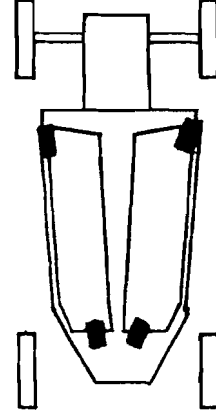
X-FRAME



X-F FRAME

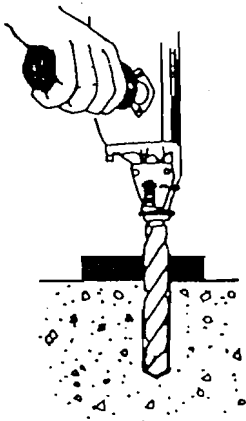


VW-FRONT ADAPTERS UNDER FRONT BODY PAN, REAR ADAPTERS UNDER SIDE JACKET POINTS.



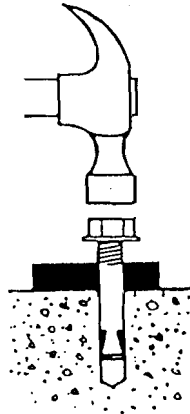
ALWAYS REFER TO VEHICLE MANUAL FOR PROPER LIFTING POINTS

# Quick, Easy Installation



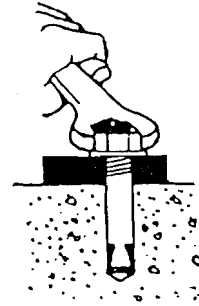
**1.**

Drill hole to depth equal to length of Wej-it.



**2.**

Insert Wej-it so that washer rests against fixture.

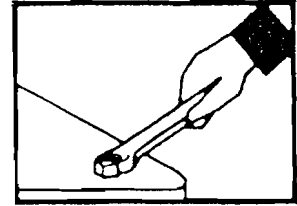
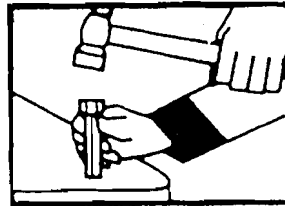
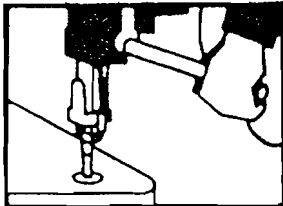


**3.**

Tighten nut, two-to-three full turns.

## Installation Procedure

1. Wear safety glasses as a good practice.
2. Use solid, carbide-tipped drill bits manufactured to ANSI B94 Standard tolerances on the tip ends as follows:



3. Don't use excessively worn bits.
4. Keep drill in a perpendicular line while drilling.
5. Let the drill do the work. Don't apply excessive pressure.
6. Lift up and down several times, to remove dust and reduce binding.
7. Drill hole to depth equal to the full length of Wej-it.
8. Blow out dust from hole. Cleaning insures highest holding values.

9. Tap Wej-it into hole until washer rests against fixture.

10. Choose whichever of the following methods is suitable:

| Diameter | Minimum Inches | Maximum Inches |
|----------|----------------|----------------|
| 1/4      | .260           | .268           |
| 5/16     | .327           | .335           |
| 3/8      | .390           | .398           |
| 1/2      | .520           | .530           |
| 5/8      | .650           | .660           |
| 3/4      | .775           | .787           |
| 7/8      | .905           | .917           |
| 1        | 1.030          | 1.042          |
| 1 1/4    | 1.160          | 1.175          |
| 1 1/2    | 1.285          | 1.300          |
| 1 3/4    | 1.535          | 1.550          |

| Wej-it Diameter | Full Turns of Nut | Torque Foot Pounds |
|-----------------|-------------------|--------------------|
| 1/4             | 2-3               | 4-5                |
| 5/16            | 2-3               | 6-8                |
| 3/8             | 2-3               | 9-12               |
| 1/2             | 2-3               | 15-20              |
| 5/8             | 2-3               | 30-40              |
| 3/4             | 2-3               | 60-80              |
| 7/8             | 1 1/2 - 2         | 90-140             |
| 1               | 1 1/2 - 2         | 150-220            |
| 1 1/4           | 1 1/2 - 2         | 175-250            |
| 1 1/2           | 1 1/2 - 2         | 260-300            |
| 1 3/4           | 1 1/2 - 2         | 300-550            |

Either method should produce comparable results under most field conditions.

## MAINTENANCE PROCEDURES/SAFETY CHECKS

Dear Sirs:

In an effort to keep your Mohawk lifts operating like new, listed below is a routine maintenance schedule/timetable:

### DAILY

1. Check both mechanical (both visually & audibly) safety operation/function.
2. Remove any excess "weeping" oil from the cylinder(s) and wipe down the chrome rod.
3. Keep free of dirt, sand, grease and corrosive chemicals and all debris.
4. Check hydraulic couplings (fittings) for tightness and leakage.
5. Models System I and System II perform hydraulic safety checks.
6. Models System I and System II keep bottom of mainside cylinder free of all debris. (This allows proper hydraulic safety operation.)

### WEEKLY

1. Check Wej-it, anchor bolts if loose and torque to proper tightness (60-80 Ft. Lbs.).
2. Wipe off contaminants and dirt from all chains and other moving parts.
3. Maintain proper hydraulic fluid level.
4. Check all hydraulic lines for wear or if any wear due to rubbing is noted replace.

### MONTHLY

1. Spray clean and lubricate chains with a light chain spray. (Do not use heavy grease.)
2. Back flush power unit.
3. Model TP-7 and TP-9 ONLY. . .remove chain pan cover, clean chain and debris from trough, lubricate chains, inspect hydraulic lines and fittings and replace cover.
4. Remove any dirt or grease (contaminants) from any moving parts (rollers bearings, chains, etc. . .etc.) KEEP IT CLEAN!

5. Check floor for any cracks originating from under the columns.
6. Tighten swing arm bolts and nuts.
7. Model TP-7 and TP-9 chain slack should be checked for proper adjustment.
8. Check all nuts, bolts, fittings for proper tightness.

#### LONG TERM MAINTENANCE

1. Change, flush and bleed hydraulic system completely with new hydraulic fluid every two years.
2. Change/replace all bearings, chain, moving parts if signs of excessive or unusual wear show.

#### ANNUALLY

1. Remove swing arm bolts and check for excessive wear, (moving parts) check swing arm bolt hole for signs of wear or deformation.
2. Check yoke and flange bearings for unusual or excessive wear.

As the warranty period nears expiration contact your local representative or the factory so your unit may be "thoroughly" inspected and advised of any replacement parts to be ordered.