



# ATLAS OH9000

9,000 lb. Capacity  
Two-Post Overhead Lift

## QUICK START GUIDE



### INDIANA

GREG SMITH EQUIPMENT SALES INC.  
5800 MASSACHUSETTS AVE.  
INDIANAPOLIS, IN 46218

PHONE: (800) 262-1950  
FAX: (317) 542-1448

### DELAWARE

GREG SMITH EQUIPMENT, INC.  
250 EXECUTIVE DRIVE, SUITE 1  
NEWARK, DE 19702

PHONE: (800) 715-1950  
FAX: (302) 894-9136

### GEORGIA

GREG SMITH EQUIPMENT SALES INC.  
5405 BUFORD HWY.  
NORCROSS, GA 30071

PHONE: (800) 768-4104  
FAX: (678) 781-0149

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# TECHNICAL SPECIFICATIONS

## FEATURES

- Dual hydraulic direct-drive cylinders. Manufactured to ANSI standards, utilizing NOK oil seals.
- Super-symmetric arm design makes contacting the vehicle lifting points easier.
- Single-point lock release with a dual lock design in each column.
- Self-lubricating UHMW Polyethylene sliders and bronze bushings.
- Clearfloor design provides unobstructed floor space.
- Overhead safety shut-off bar.
- Rubber top lift pads with truck adapters.
- Two factory position height settings: 11' 8" or 12' 7"
- Column height can be modified in the field (11' 8" thru 12' 7")

Model	Atlas OH 9000
Style	Clearfloor Direct-drive
Lifting Capacity	9000 lbs.
Lifting Time	55 Seconds
Low Column Lift	64" – 73" to top lock
High Column Lift	72" - 82" to top lock
Overall Height	141.1" – 150.9"
Overall Width	134.9"
Width Between Posts	112.2"
Minimum Pad Height	4.7"
Motor	220V/1PH

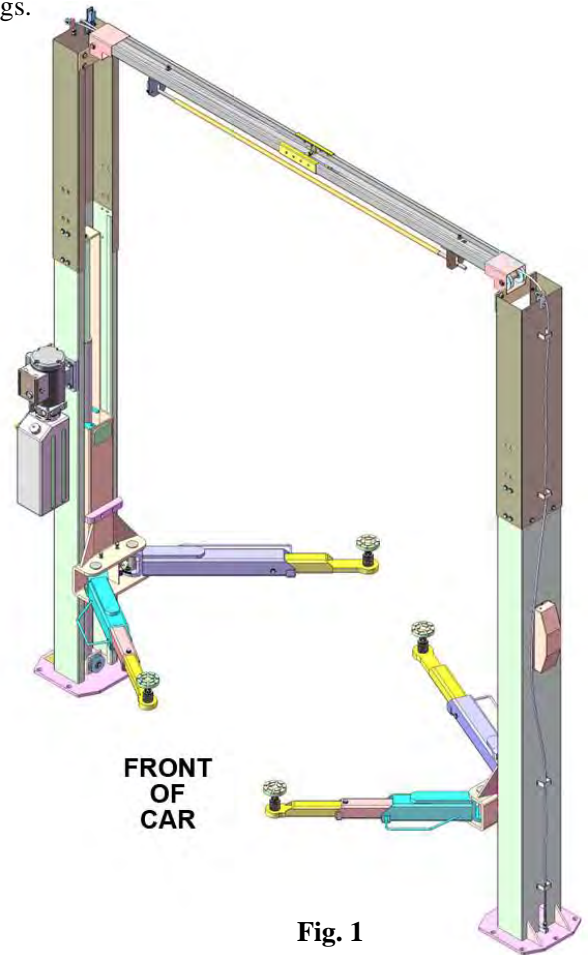


Fig. 1

## Arm Swing

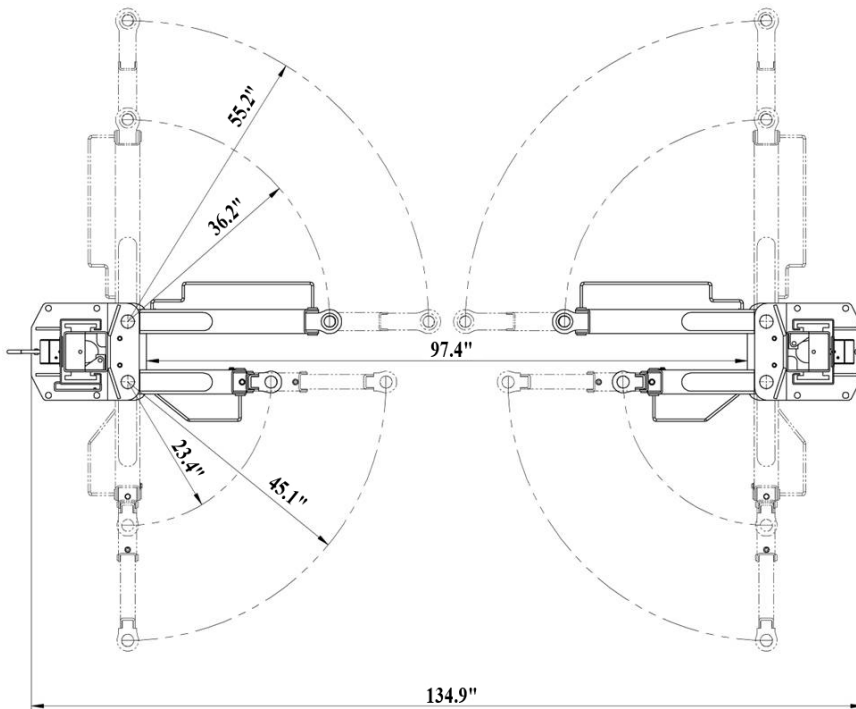


Fig. 2

# INSTALLATION INSTRUCTIONS

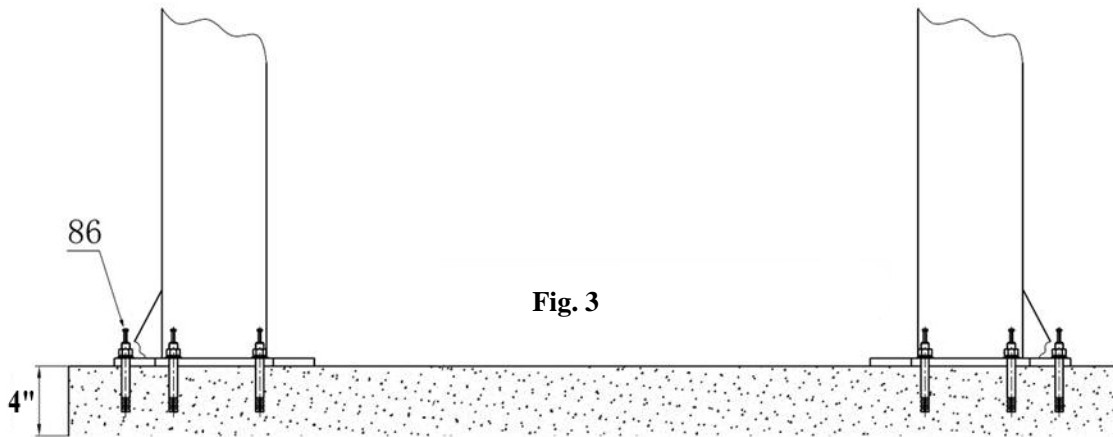
## TOOLS REQUIRED

- Rotary Hammer Drill (3/4" drill bit)
- Hammer
- Foot Level
- Ratchet spanner with socket (13#, 14#, 15#, 17#, 19#, 24#)
- Chalk Line
- Tape Measure (25ft)
- Pliers
- Lock Wrench

## SPECIFICATIONS OF CONCRETE

Make sure your concrete meets the requirements below before you begin the installation and assembly of the lift.

- Concrete must have a minimum thickness of 4" (3000 psi)
- Make sure that reinforcing steel bars will not deflect drill bit.
- Concrete must be in good condition and fully cured.
- Floors must be level and have no deep cracks that can cause anchor bolts to pull out.



**STEP 1:** Check and verify the parts before the assembly process

- Open the outer packing carefully and check the parts according to the parts list.
- Open the box of parts and check to make sure all parts are included. (*see picture 1*)
- Check and verify parts in parts bag. (*see picture 2*)



Picture 1

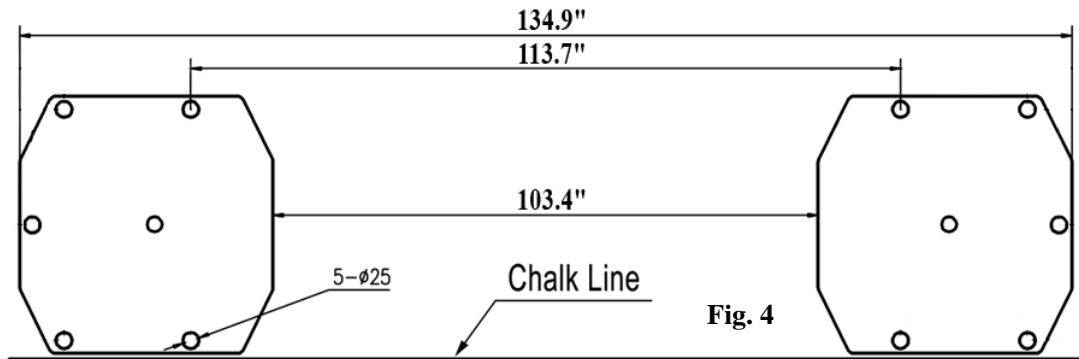


Picture 2

# ASSEMBLY

**STEP 1:** Find a suitable location for the installation of your lift.  
You may want to center the lift in the door.

**STEP 2:** Use a chalk line to mark out an installation area for the column bases. (See Fig. 4)



**STEP 3:** Stand both columns up and align the bases of the columns with the marked chalk line. It is suggested to install the power-side (column with the power unit attached) column on the front-right side (passenger side).

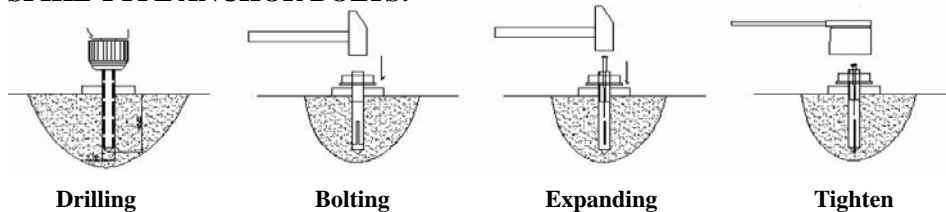
**IMPORTANT:** Make sure that the “PEG” attached to the bottom of the cylinder (one cylinder in each column) is completely inserted into the hole located on the inside base of the column. This peg locks the cylinder in place and insures that the cylinder is in the center of the column. The cylinder must be properly installed to allow the carriage to be fully lowered and the automatic arm lock pin is disengaged to allow the arms to move.

This lift is built with a 2-Section columns and adjustable height. If your ceiling is 12' 5/8" or less, you must use the “Lower Height” position when attaching the column extension to the main column. If your ceiling is over 12' 10", you may use the “Upper Height” position and attach the column extension using the “lower set of holes” of the column extension. The column extension should not contact the ceiling in either position.

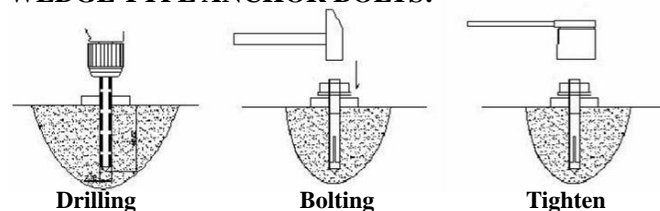
**STEP 4: Mount the Powerside Column to the concrete first: (Do not anchor the slave column now)**

Use the rotary hammer drill to drill all the anchor holes in the Powerside Column and install the anchor bolts. Level and plumb the posts with each other by using a plastic or metal shim. Tighten the anchor bolts (65 lbs. to 85 lbs.) to mount the Power-side Column.

**SPIKE TYPE ANCHOR BOLTS:**



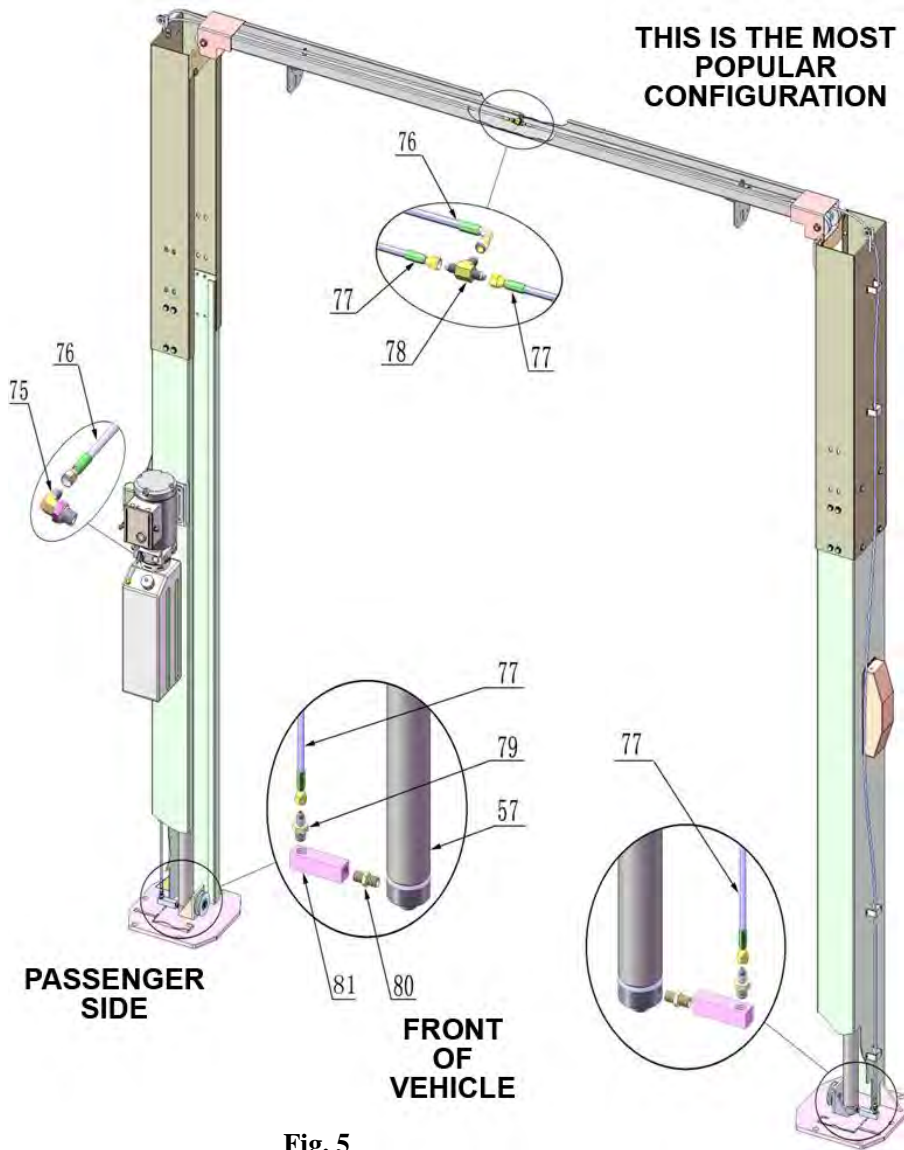
**WEDGE TYPE ANCHOR BOLTS:**



**STEP 5:** Install the Overhead Beam to both columns with the included hardware.

**STEP 6:** Install Hydraulic Hose Assembly.

**Note:** The direction of Hydraulic Cylinder Fitting and the connection of the Oil Hose Assembly should be similar to the diagram of Hydraulic System. (See Fig. 5)



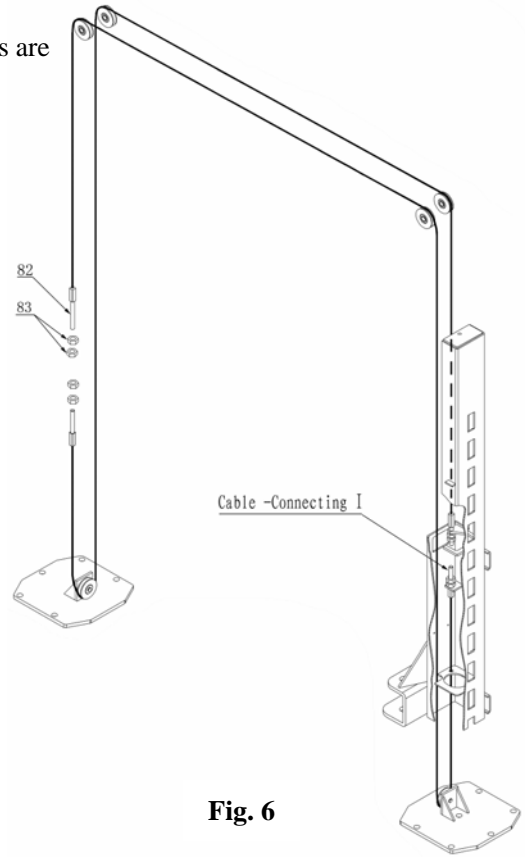
**Fig. 5**

**STEP 7:** Now mount the Slave Column (column without the power unit) to the concrete (same mounting procedures as Power-side Column. Make sure both columns are level and plumb with each other using shims. Tighten the anchor bolts (65 lbs.-85 ft. lbs.) to securely mount the Slave Column.

**STEP 8:** Install Equalization Cable System: There are two ways of attaching the wire equalization cables to the carriages. The location on the carriage depends on the ceiling height and in which position the column extensions are attached.

- A. Install the cables as follows when the ceiling height is “LESS THAN” 12’-5/8” and the column extensions are in the lower position. (See Fig. 6)

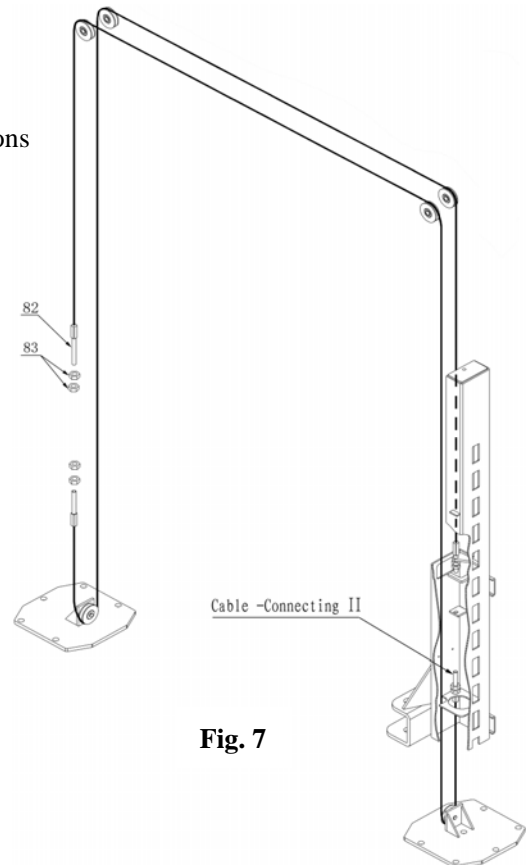
**LOWER HEIGHT POSITION**



**Fig. 6**

- B. Install the cables as follows if the ceiling height is “MORE THAN” 12’-5/8” and the column extensions are in the upper position. (See Fig. 7)

**UPPER HEIGHT POSITION**



**Fig. 7**

Install Safety Locks and Safety Lock Release cable. (See Fig. 8)

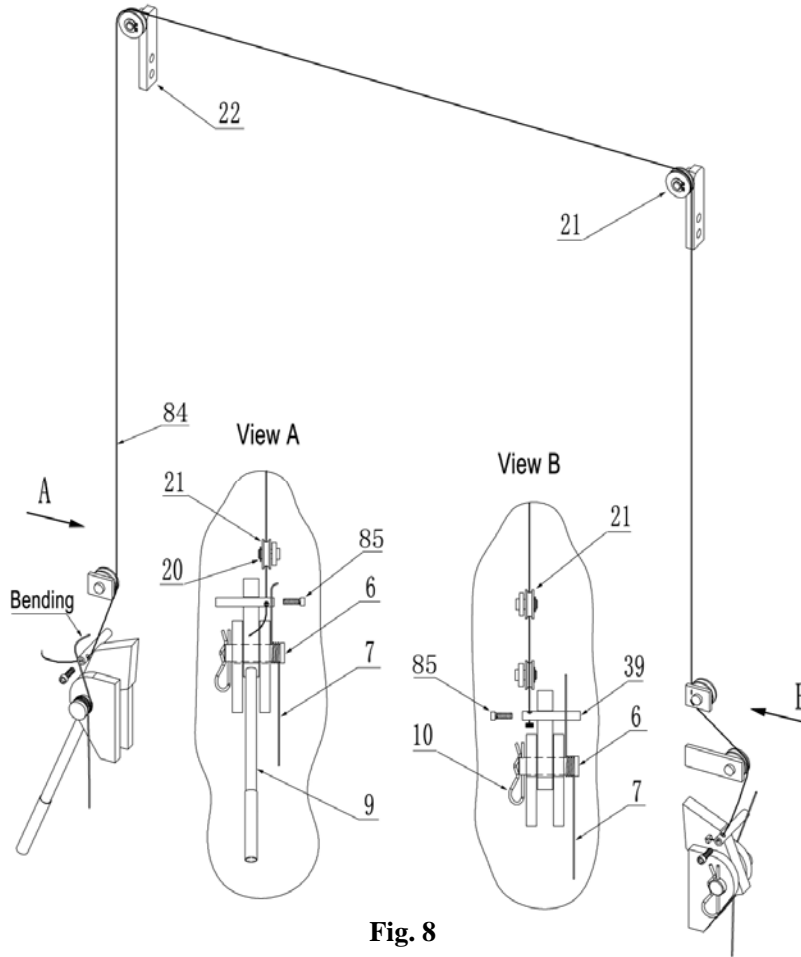
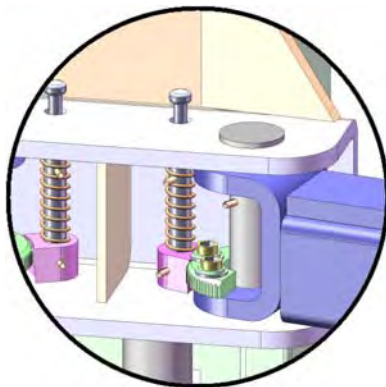


Fig. 8

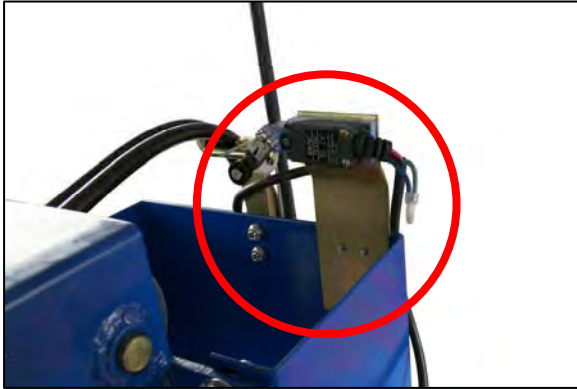
**STEP 9: Install Lifting Arms and Pads:** Install the Lift Arms, Lift Pads and Snap Rings (See picture 3) Attach the Power Unit to the Powerside Column, connect hydraulic hoses and tighten all the hydraulic fittings (snugly). Fill the tank with #32 or #46 Hydraulic oil.



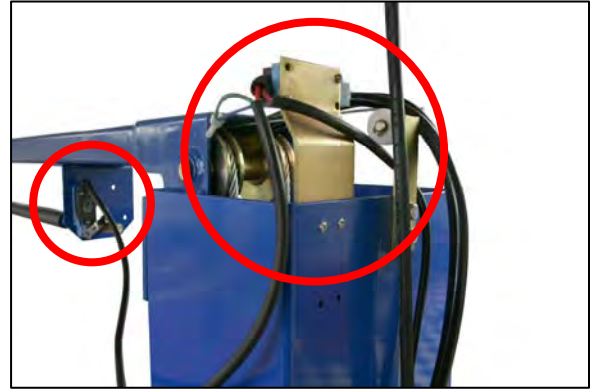
Picture 3



**STEP 10:** Install both the “Carriage” Limit Switch and the “Overhead Shut-Off Bar” Limit Switch as shown in the pictures below. (See Pictures 5 and 6)



Picture 5

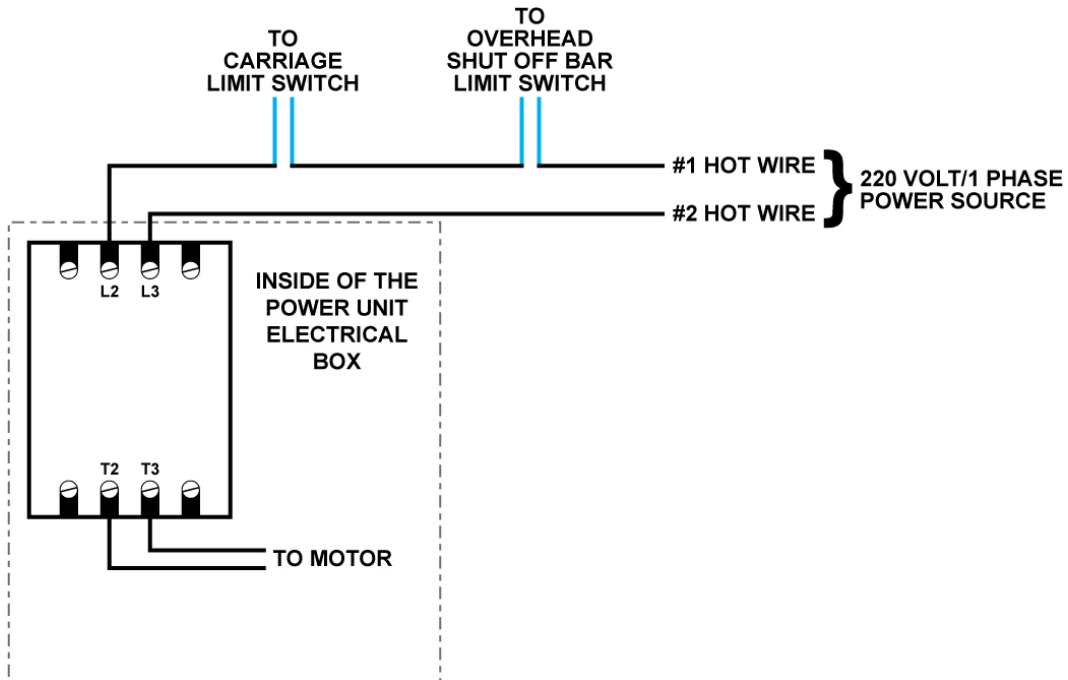


Picture 6

**STEP 11:** Identify the **#1 HOT WIRE** from the power source and connect to the Carriage Limit Switch and the Overhead Shut Off Bar Limit Switch. After both of the limit switches have been connected (wire nut and tape properly) into the **#1 HOT WIRE**, connect the **#1 HOT WIRE** to the **L2** connection inside the power unit electrical box.

**STEP 12:** Identify the **#2 HOT WIRE** and connect it directly to the **L3** connection inside of the power unit electrical box.

**STEP 13:** Connect the **GROUND WIRE** to the ground screw inside of the power unit electrical box.



Overhead Shut Off Switch Mounting Bracket



When the Atlas OH9000 lift is installed with the column extensions in the lowest position, the top of the cross bar is 143". However, the overhead shut off switch mounting bracket (circled), when installed in the highest position, is 144.75 inches. (12' 3/4 ")



The overhead switch mounting bracket, when attached to the column extension in the lower mounting holes, will lower the entire height of the lift to 143.75 inches (11' 11 3/4").

Your OH9000 will now "fit" under a 12 foot ceiling and operate perfectly.