

INSTALLATION & OPERATION MANUAL

Atlas 10-OHSCX & OH-10X

10,000 lb. Capacity
Two-Post Overhead Lift



Atlas Automotive Equipment
www.atlasautoequipment.com
(866) 898-2604

Read this entire manual before operation begins.

Record below the following information which is located on the serial number data plate.

Serial No. _____

Model No. _____

Date of Installation _____

———— Contents ————

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Specifications

Clearfloor Direct-Driven Model Features for 10-OHSCX, OH-10X

- Direct-drive design minimizes the lift wear on parts and breakdown ratio.
- Dual hydraulic direct-drive cylinders are designed and made on ANSI standards utilizing oil seal in cylinder.
- Self-lubricating UHMW Polyethylene sliders and bronze bushings.
- Single-point safety release, and dual safety lock design.
- Clear floor design, provide unobstructed floor space.
- Overhead safety shut-off device.
- Symmetric arm design.
- Stackable adapters 1.5", 2.5", 5" are standard equipment.

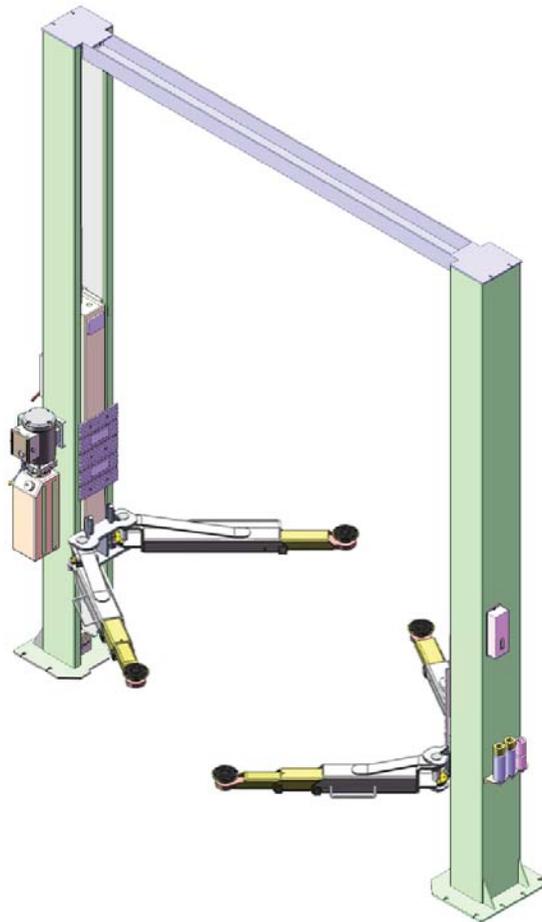


Fig. 1

10-OHSCX Specifications

| Model | Style | Lifting Capacity | Lifting Time | Lifting Height | Overall Height | Overall Width | Width Between Columns | Minimum Pad Height | Gross Weight | Motor |
|----------|-------------------------|--------------------|--------------|--------------------------------|--------------------|--------------------|-----------------------|--------------------|-------------------|--------|
| 10-OHSCX | Clearfloor Direct-drive | 4.5 T 10,000lbs | 60S | 1940-2169mm 76 3/8"-85 3/8" | 3854mm 151 3/4" | 3516mm 138 3/8" | 2850mm 112 1/4" | 115mm 4 1/2" | 780Kg 1,719lbs | 3.0 HP |

Arm Swing View

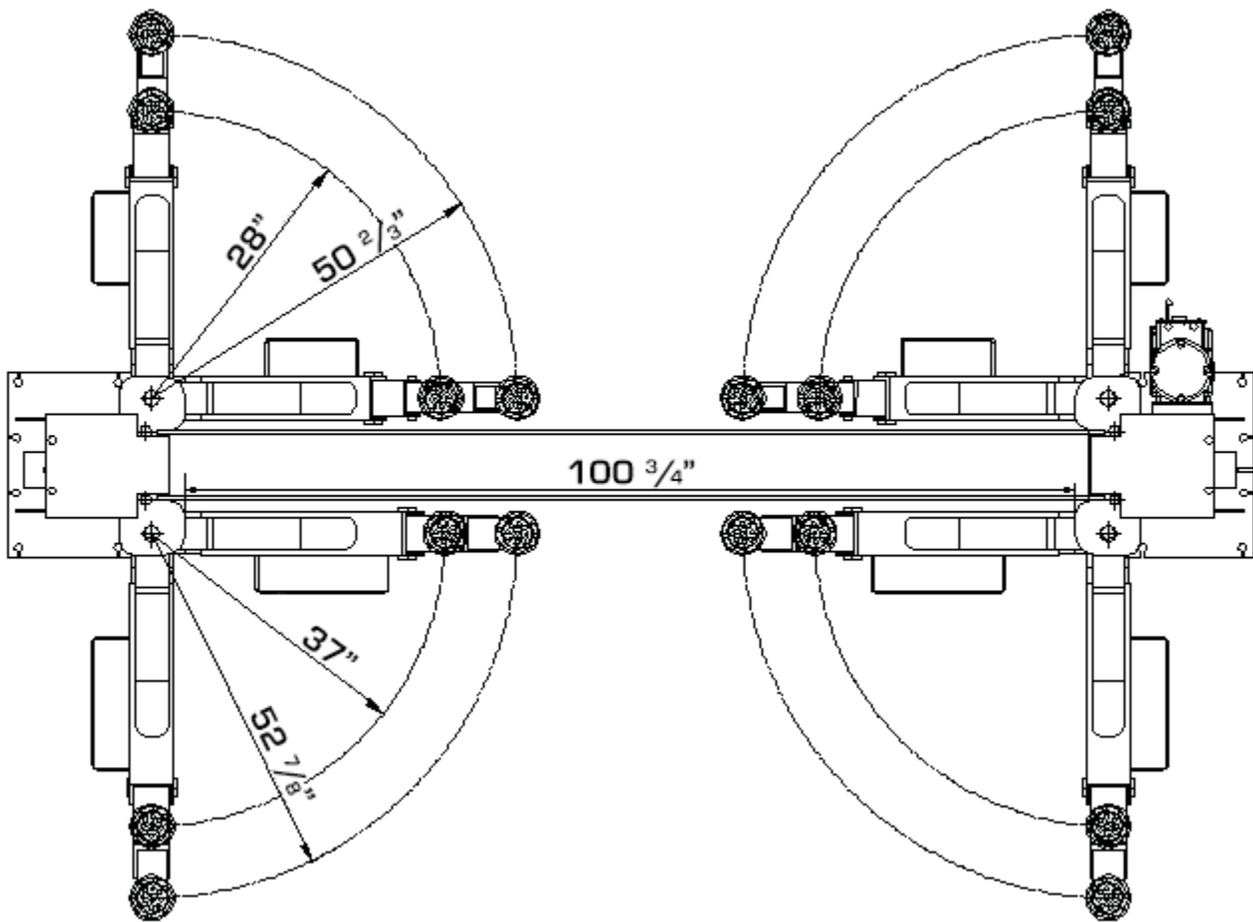


Fig. 2

OH-10X Specifications

| Model | Style | Lifting Capacity | Lifting Time | Lifting Height | Overall Height | Overall Width | Width Between Columns | Minimum Pad Height | Gross Weight | Motor |
|--------|-------------------------|--------------------|--------------|--------------------------------|--------------------|--------------------|-----------------------|--------------------|--------------|--------|
| OH-10X | Clearfloor Direct-drive | 4.5 T 10,000lbs | 60S | 1940-2169mm 76 3/8"-85 3/8" | 3667mm 144 3/8" | 3000mm 118 1/8" | 2850mm 112 1/4" | 115mm 4 1/2" | 1,719lbs | 3.0 HP |

Arm Swing View

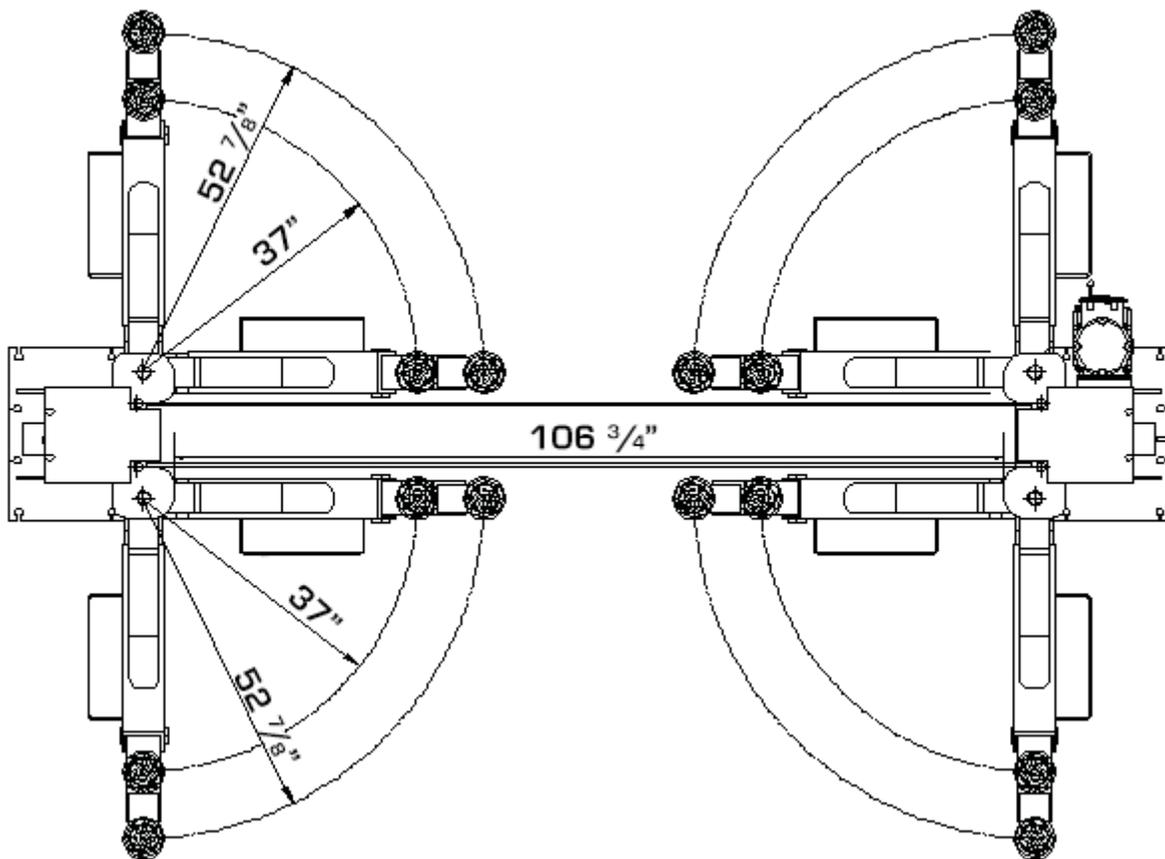


Fig. 3

Installation Requirement

Tools Required

Rotary Hammer Drill ($\Phi 19$)



Carpenter's Chalk



Hammer



Screw Drivers



Level Bar



Tape Measure (25ft)



Crescent Wrench (12")



Pliers



Ratchet Spanner With Socket (28#)



Allen Head Wrench (3#, 6#)



Wrench set
(10#, 13#, 14#, 15#, 17#, 19#, 24#, 27#)



Vise Grips



Fig. 4

Specifications Of Concrete

Specifications of concrete must be adhered to the specification as following. Failure to do so may result in lift and/or vehicle falling.

1. Concrete must be thickness 4 inches minimum and without reinforcing steel bars, and must be totally cured before lift installation.
2. Concrete must be in good condition and must be of test strength 3,000psi (210kg/cm²) minimum.
3. Floors must be level and no cracks.

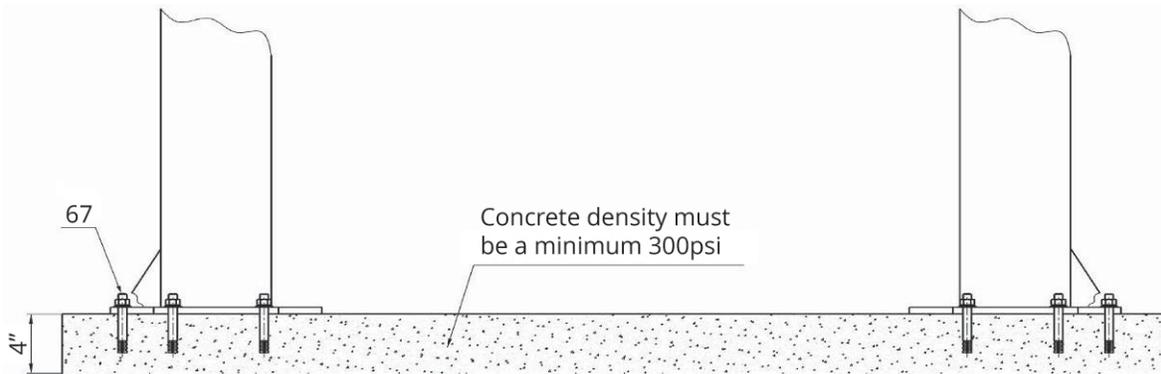


Fig. 5

Power Supply

220 volt single phase 30 amp breaker with minimum of 10 gauge wire.

Installation Steps

A. Location of Installation

Double check the installation site (concrete, layout, space size etc.) for the lift installation.

B. Use A Carpenter's Chalk Line To Establish Installation Layout Of Baseplate

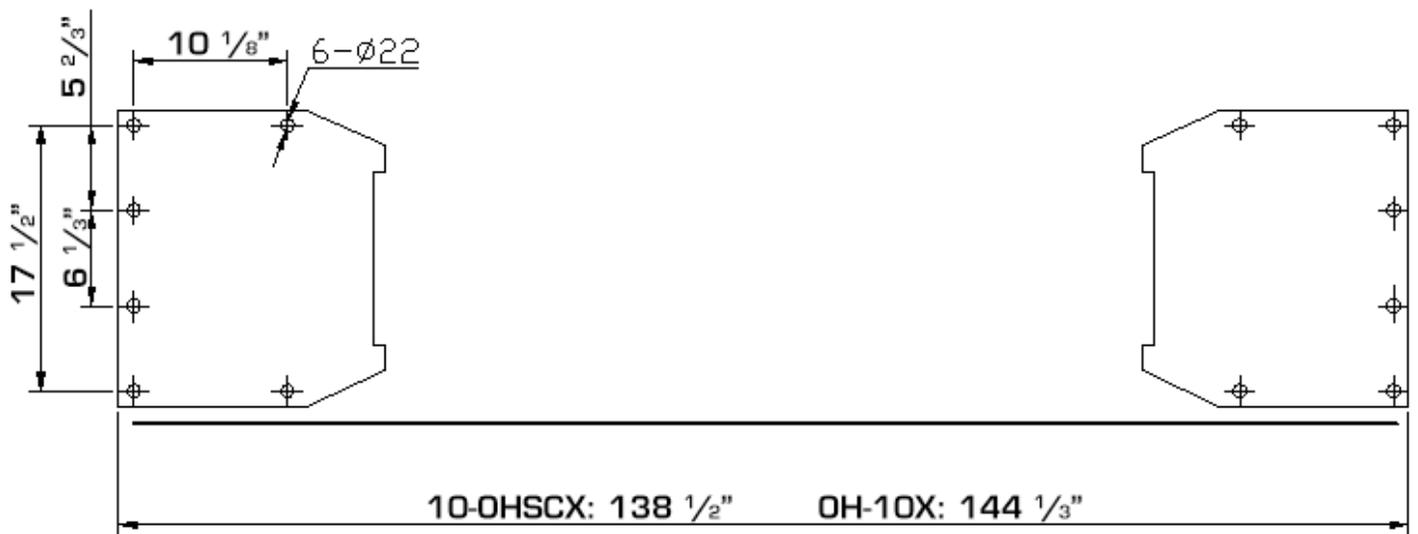


Fig. 6

C. Check The Parts Before Assembly

1. Packaged lift and hydraulic power unit



Fig. 7

2. Move the lift aside with a fork lift or hoist, and open the outer packing carefully. (See Fig. 8).

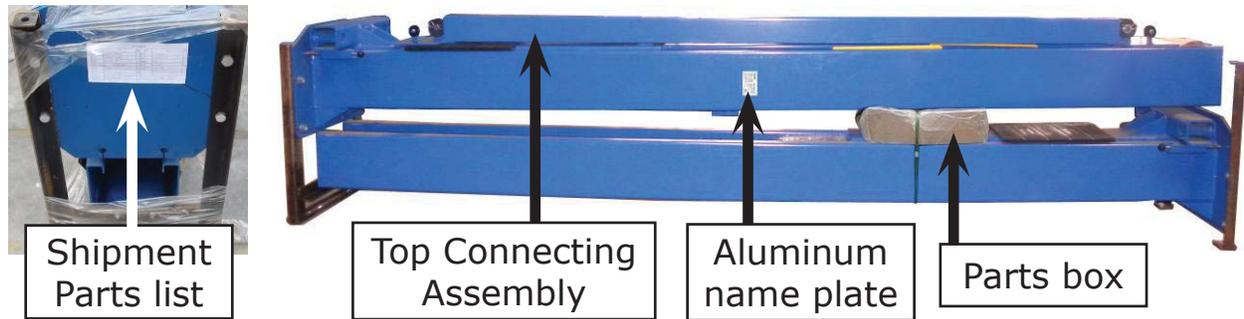


Fig. 8

3. Remove the parts from upper inside of the column and set the parts aside.
4. Loosen the bolts on the upper package stand and take off the upper column with a forklift or hoist and remove the package stand.
5. Move aside the parts and check the parts according to the shipment parts list (See Fig. 9, 10, 11, 12).

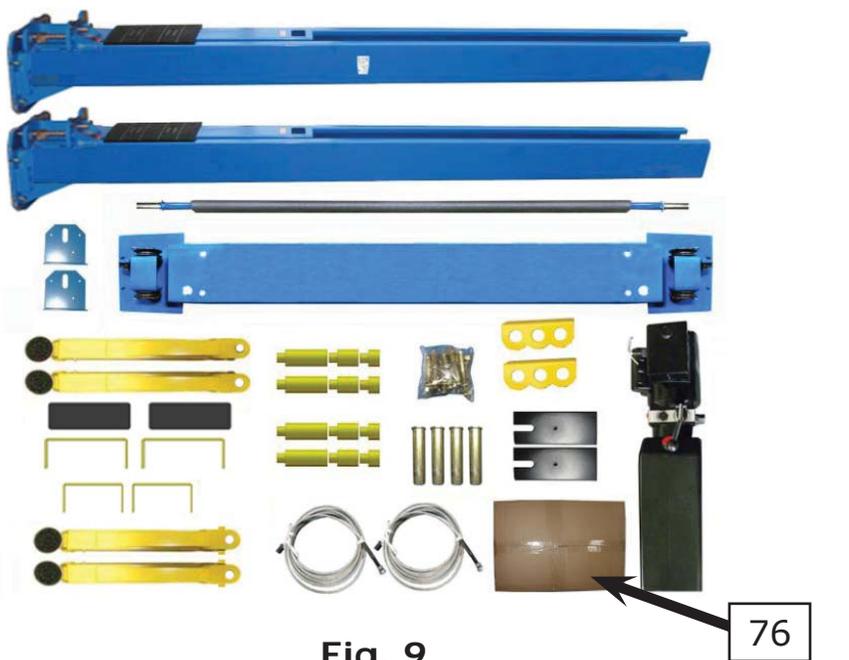


Fig. 9
Parts in the shipment parts list



Fig. 10
Parts in the parts box (76)

FOR 10-OHSCX



Fig. 11
Parts in the shipment parts list

77



Fig. 12
Parts in the parts box (77)

FOR OH-10X

6. Open the bag of parts and check the parts of the parts bag according to parts bag list (See Fig. 13).



Fig. 13

D. Position Power Side Column

Set the columns vertically on the installation site parallel of each other. Position the power side column according to the actual installation site (**See Fig. 14**).

Note: Figure 14 appears to have the columns lying down. They are supposed to be in the upright position.

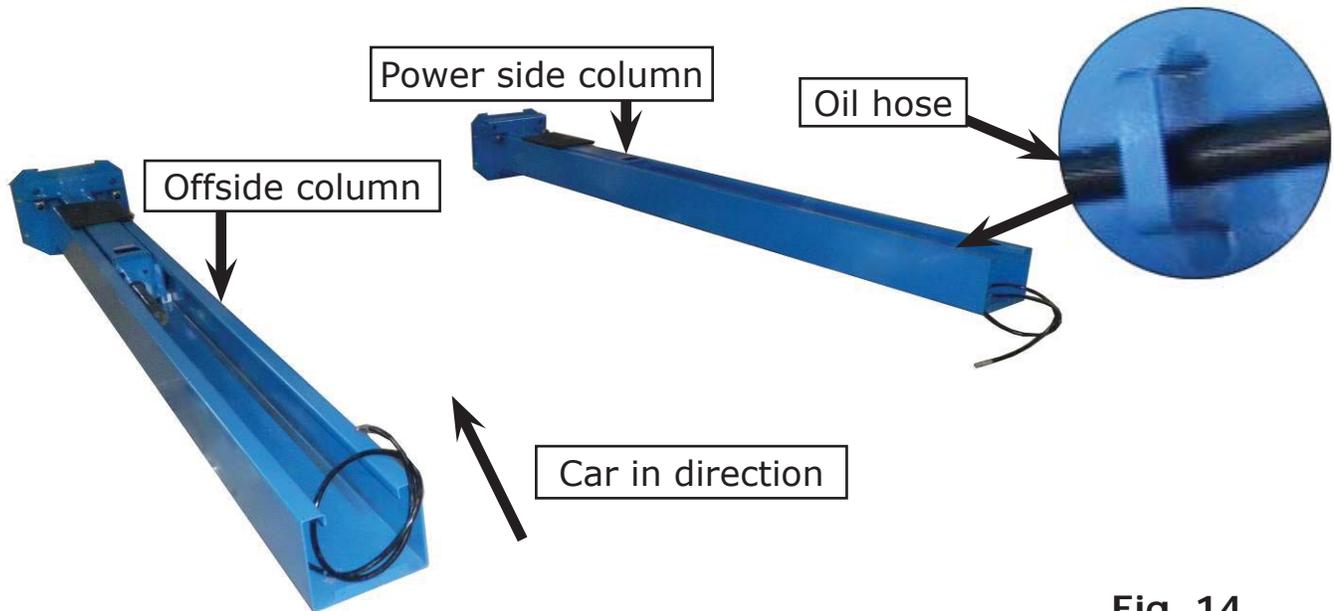


Fig. 14

E. Connecting The Oil Hoses

Slide the carriages up and connect the cylinder fittings using Teflon tape. Connect the oil hoses to the cylinders.

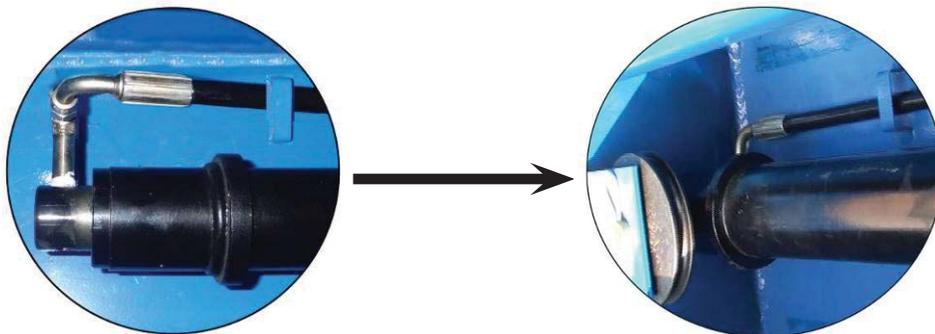
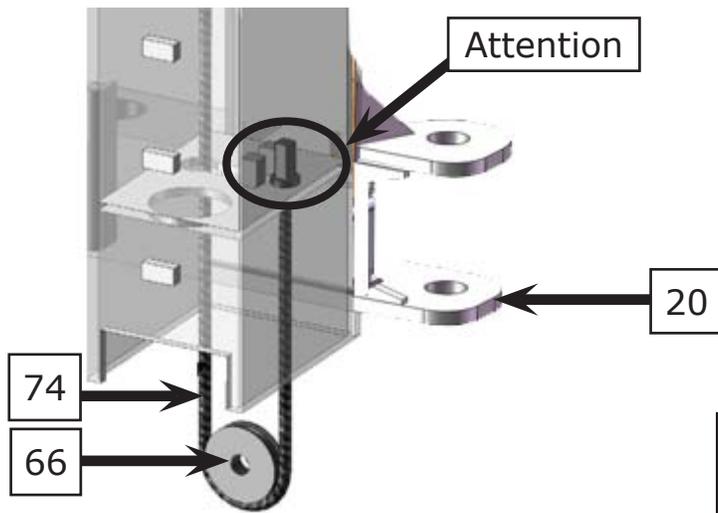
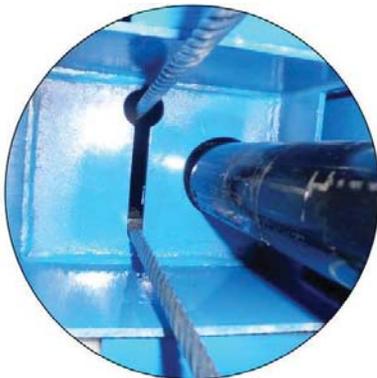


Fig. 15

F. Connect The Equalizing Cables



Cable pass through from the bottom of the carriages



Cable pass through the top plate of the carriages

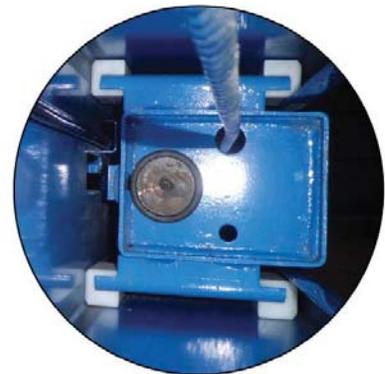
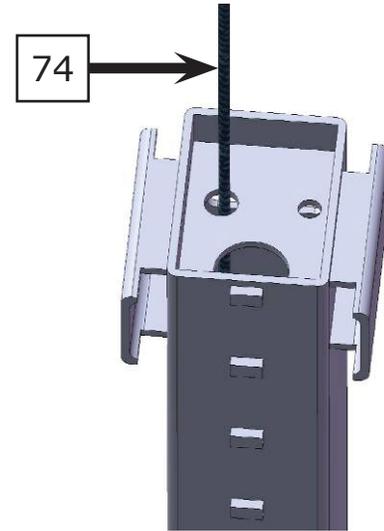


Fig. 16

G. Lay Down Aside The Columns With Cables And Oil Hoses Installed, Face The Open Way Of Each Columns

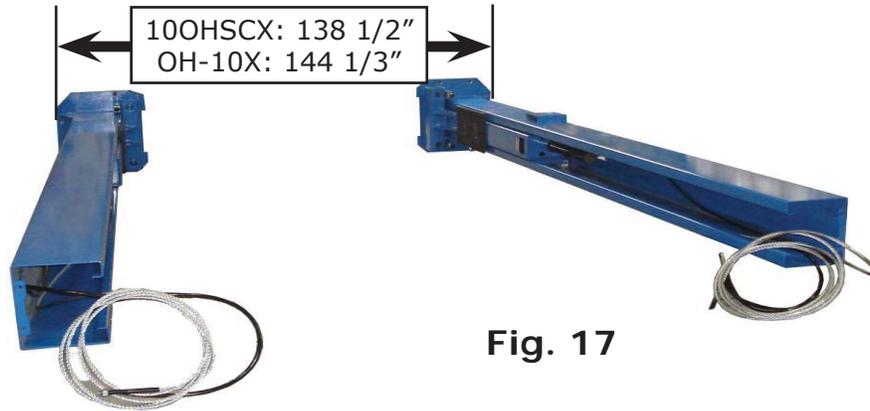


Fig. 17

H. Position Columns

Position the columns upright on the installation layout. Drill holes for the power side column only. Install the anchor bolts. Do not tighten the anchor bolts. Position the offside column parallel to the power side column at the approximate width. **Do not drill holes until overhead beam is installed (See Fig. 18).**

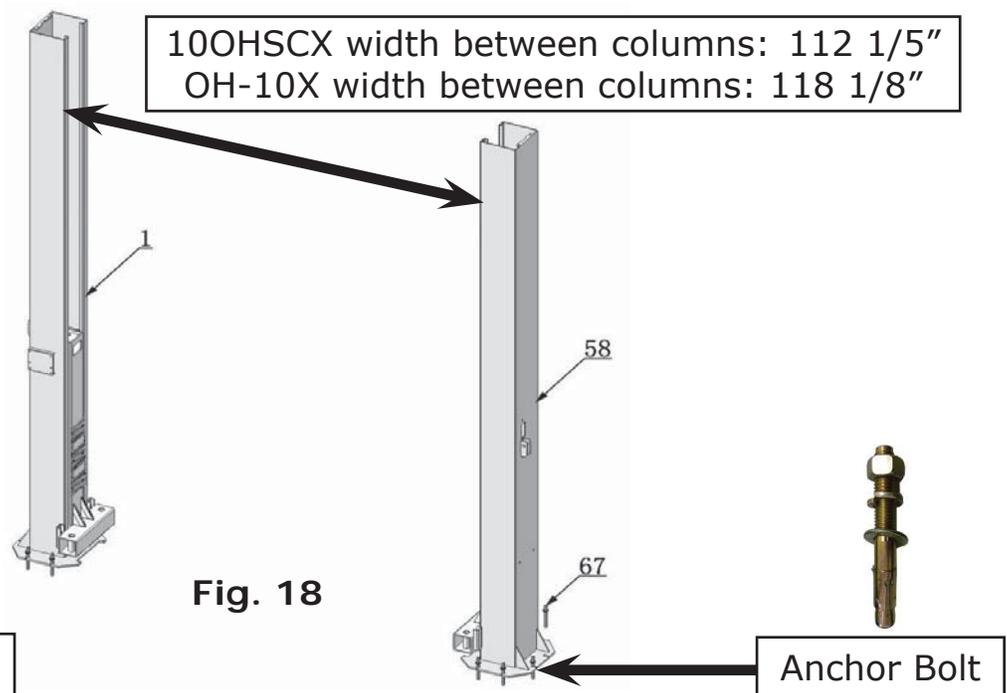


Fig. 18

Note: Minimum embedment of anchors is 4in.

If the top of the anchor exceeds 2 inches above the floor grade, you **DO NOT** have enough embedment.



I. Assemble Overhead Top Beams



Use **M10 x 35**
bolts & Nylock
nuts to install
overhead beam

Fig. 19

J. Check The Columns For Plumb With A 4ft. Level Bar

Adjust with the shims and tighten the anchor bolts between 60 and 86 foot pounds.

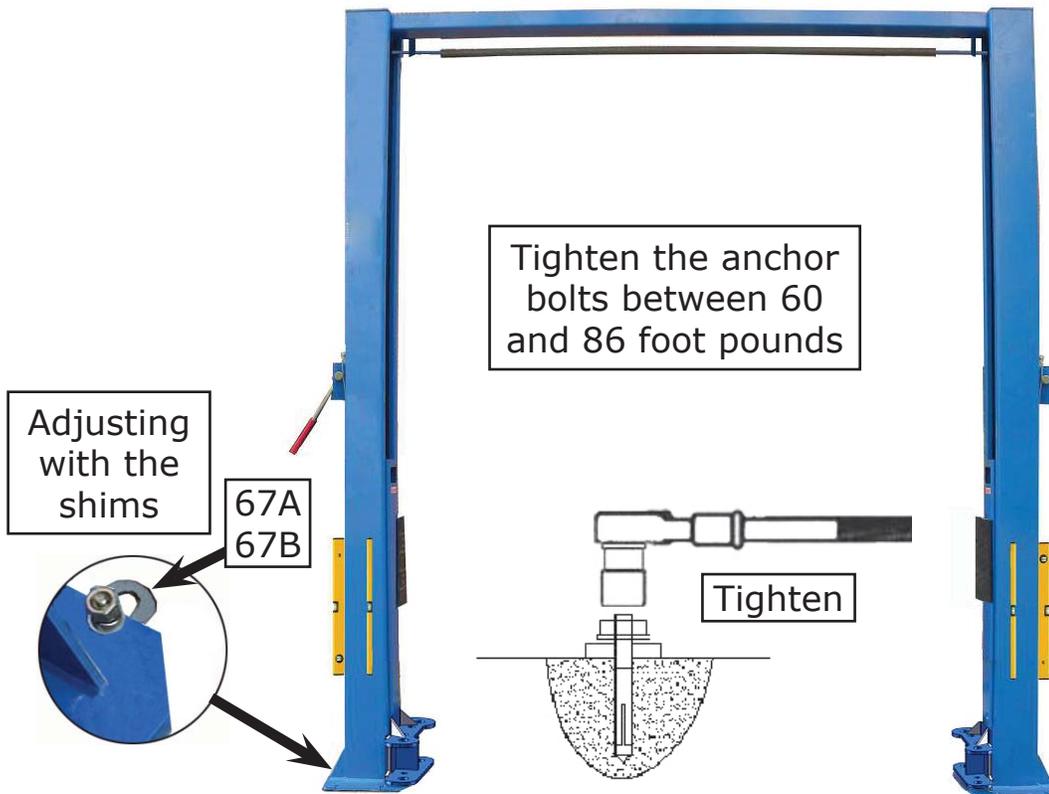


Fig. 20

K. Install The Limit Switch Control Bar And Limit Switch

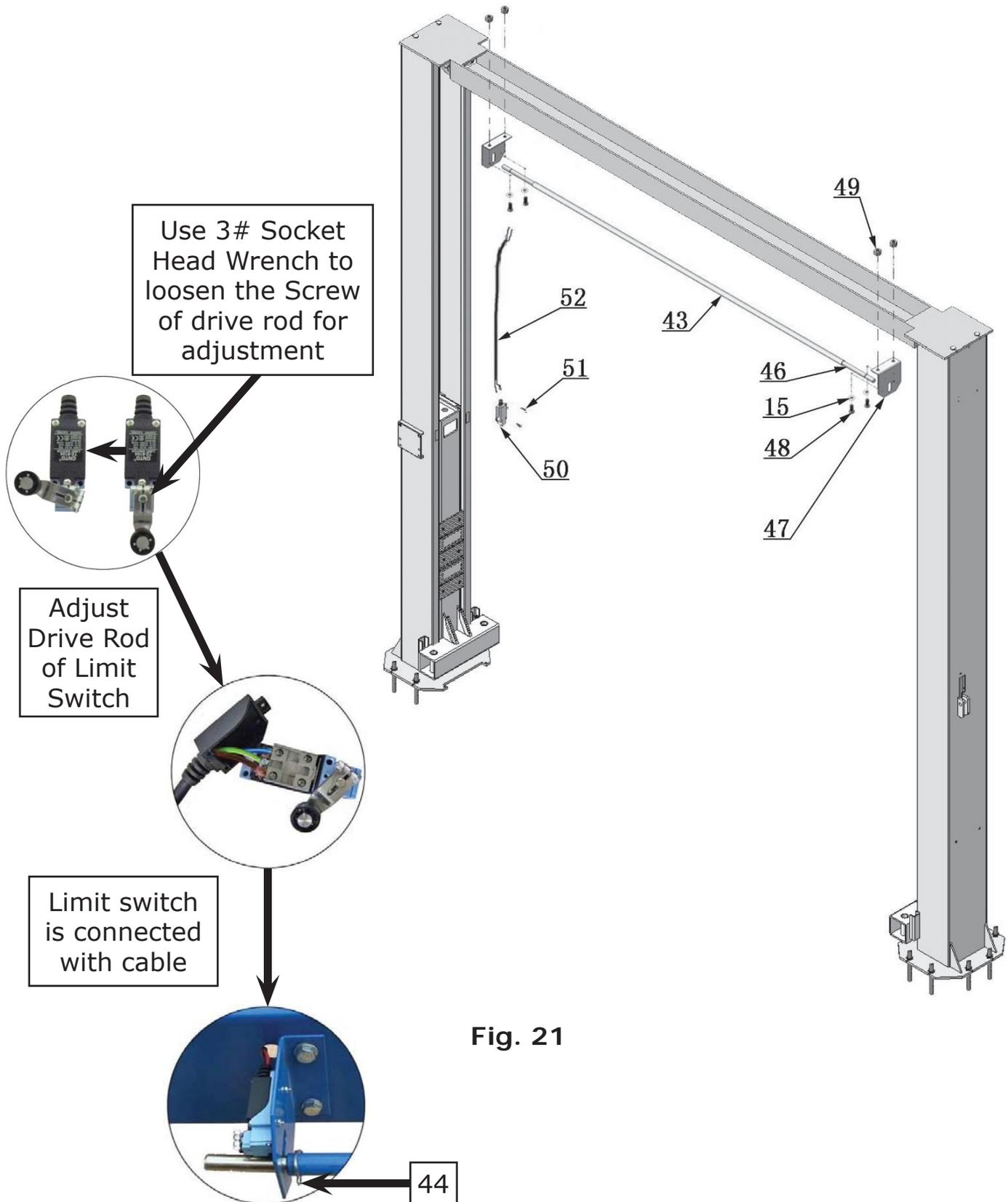
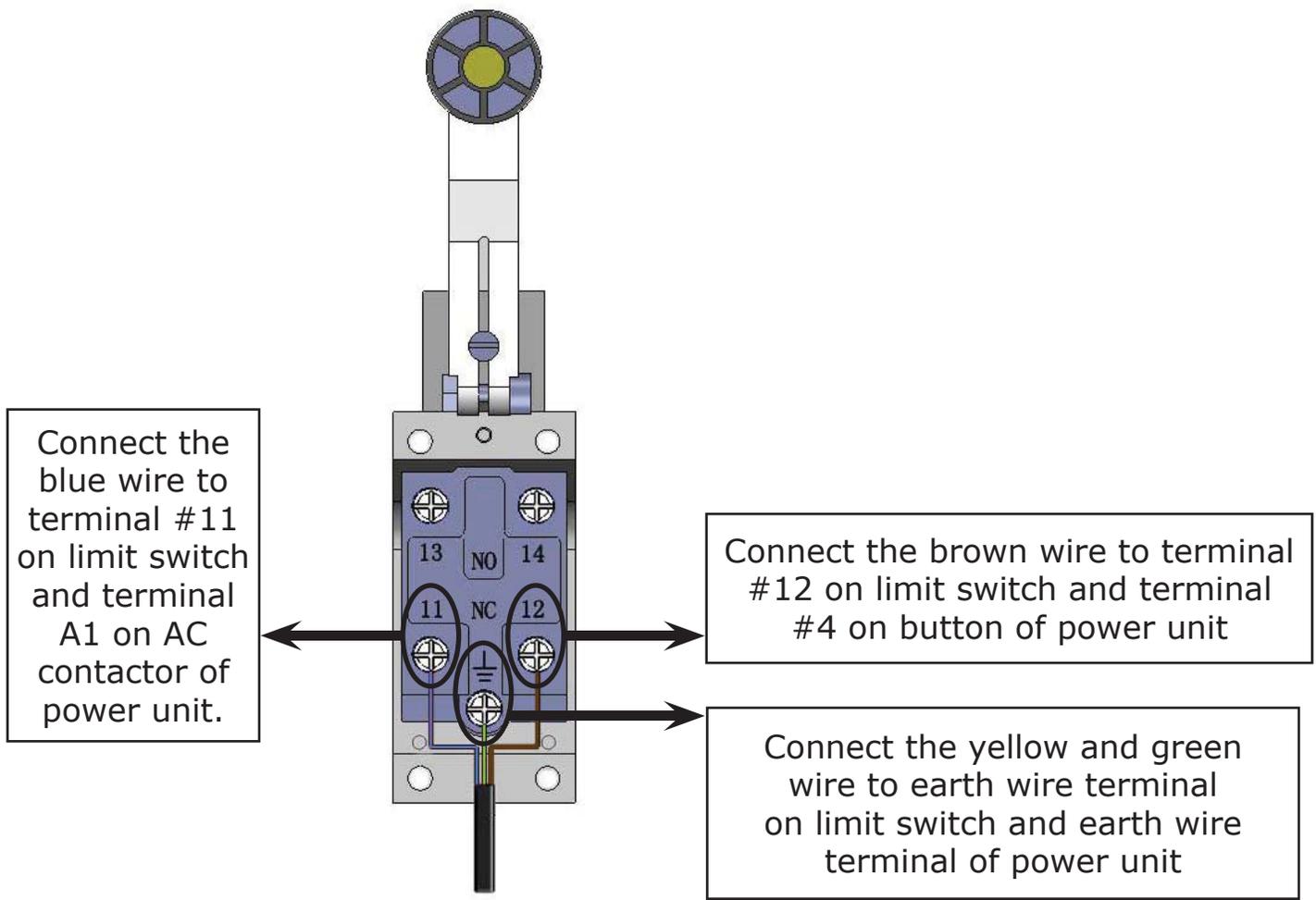


Fig. 21



NC: Normal contact

Fig. 21 (cont.)

L. Install Safety Cable

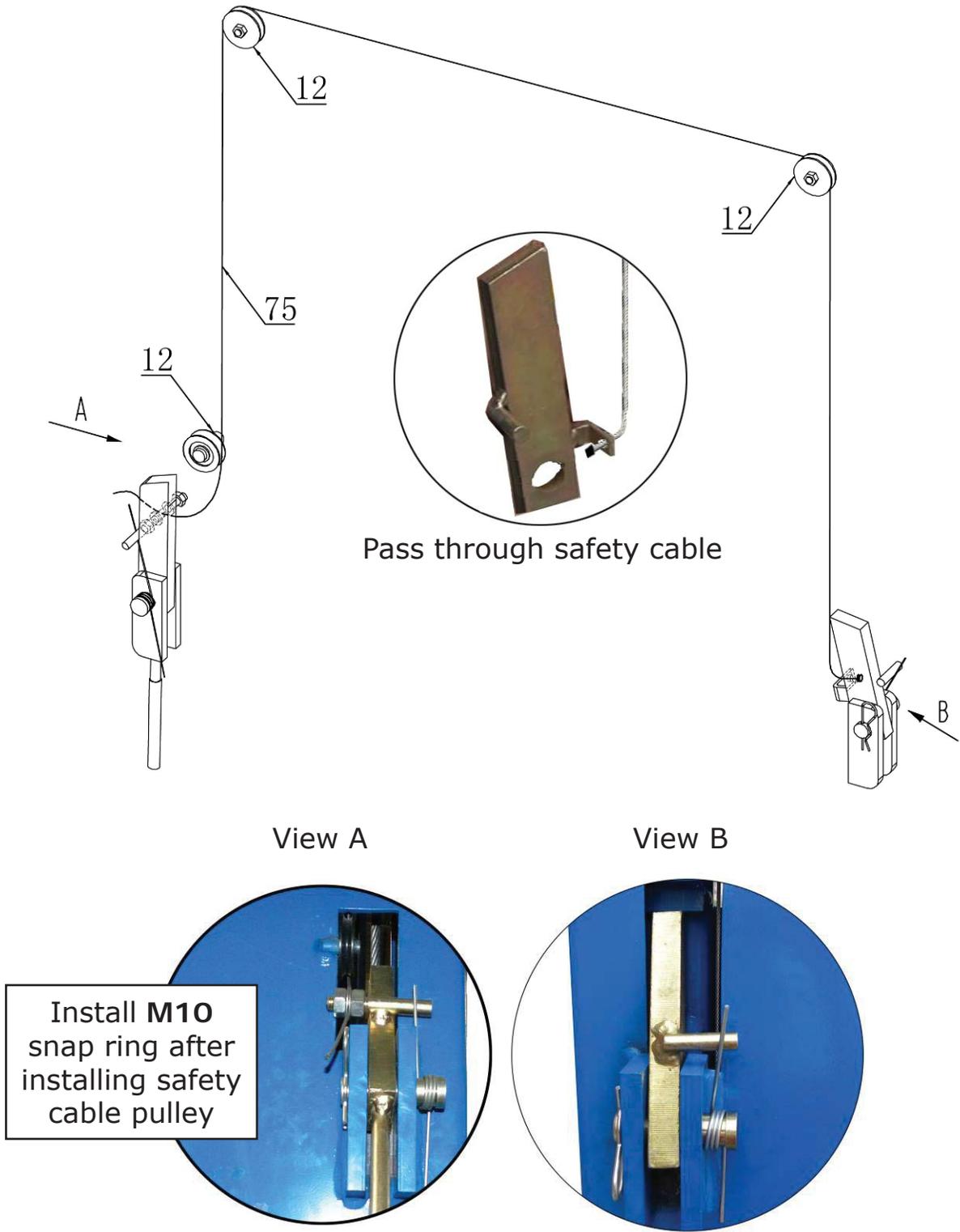


Fig. 22

M. Install Cables

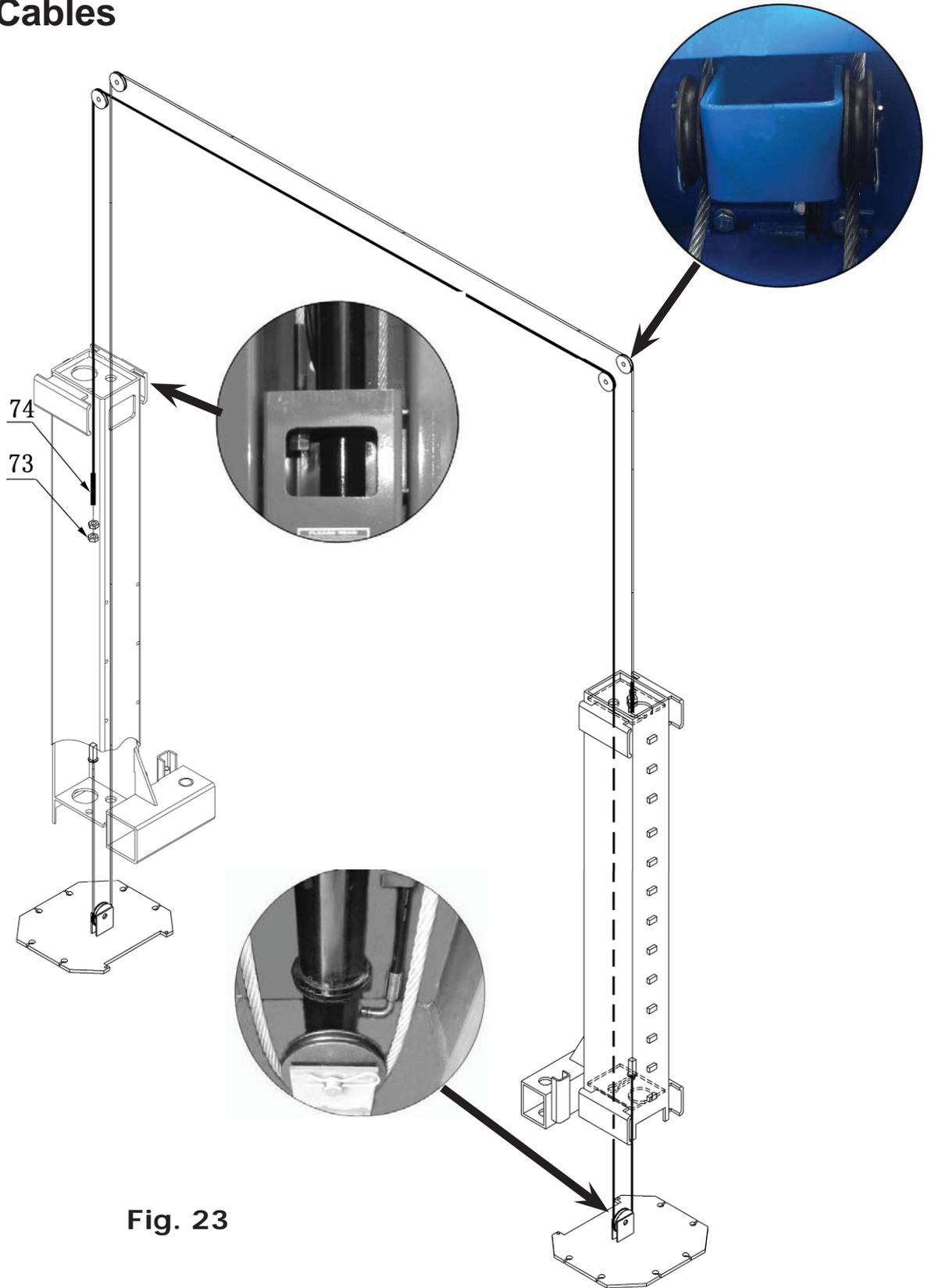


Fig. 23

N. Oil Hose Assembly

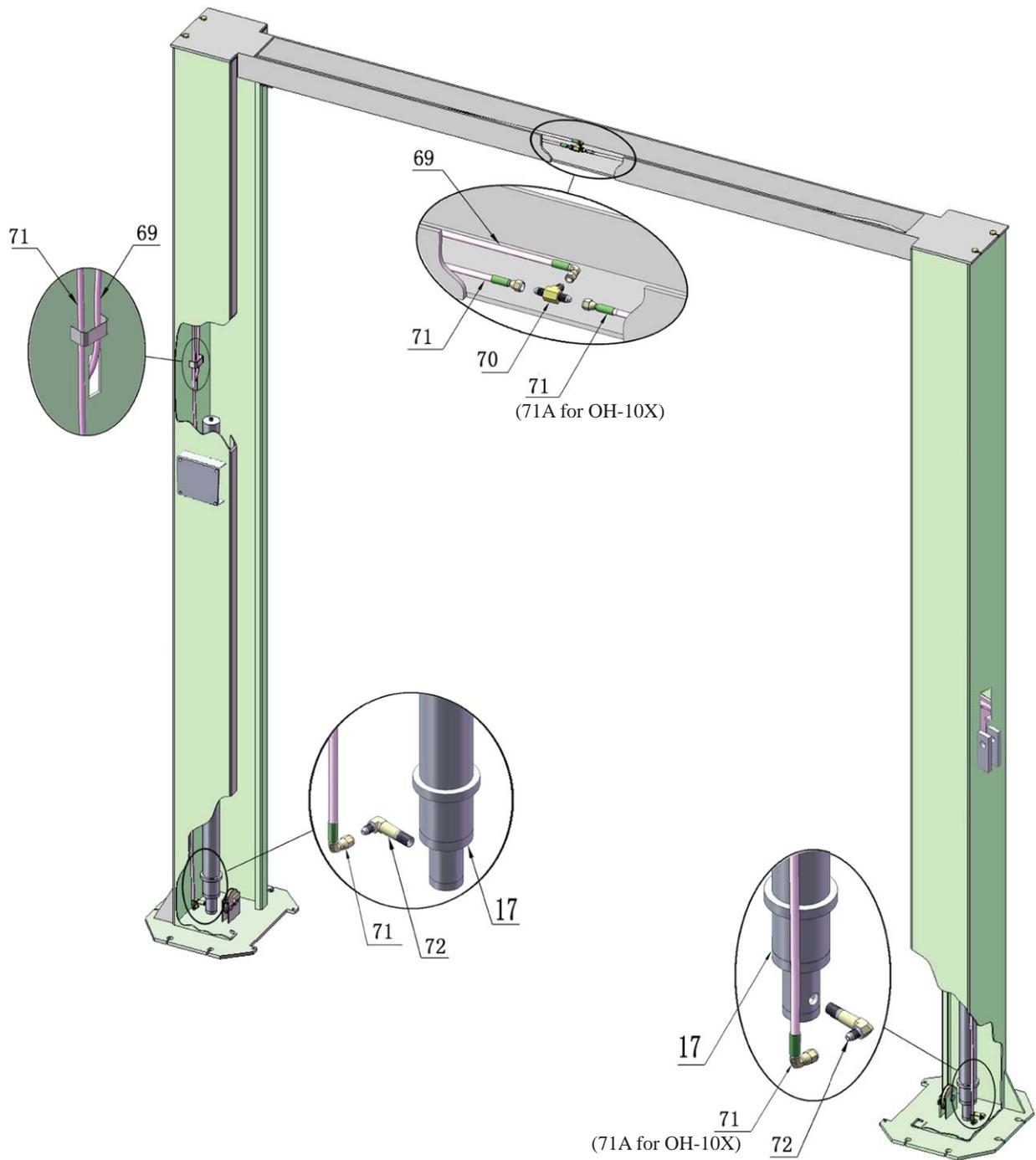


Fig. 24

O. Install Power Unit And Oil Hoses

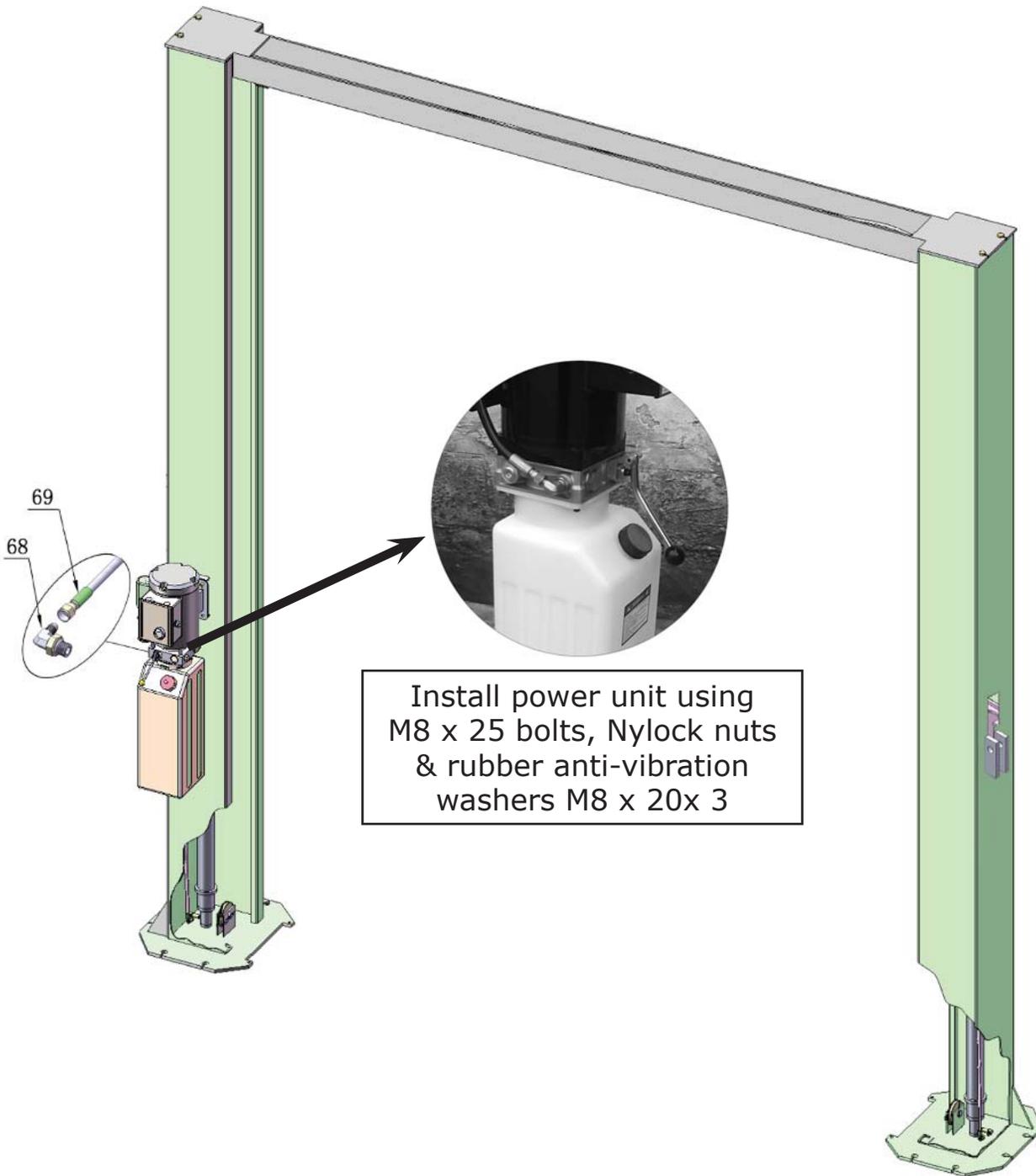


Fig. 25

Tighten all the hydraulic fittings, and fill the reservoir with hydraulic oil.

Note: Use hydraulic fluid series AW32.

P. Install Lifting Arms And Adjust The Arm Locks

1. Install the lifting arms (See Fig. 26).
2. Lower the carriages down to the lowest position, then use a 17# wrench to loosen the nut of arm lock (See Fig. 27).

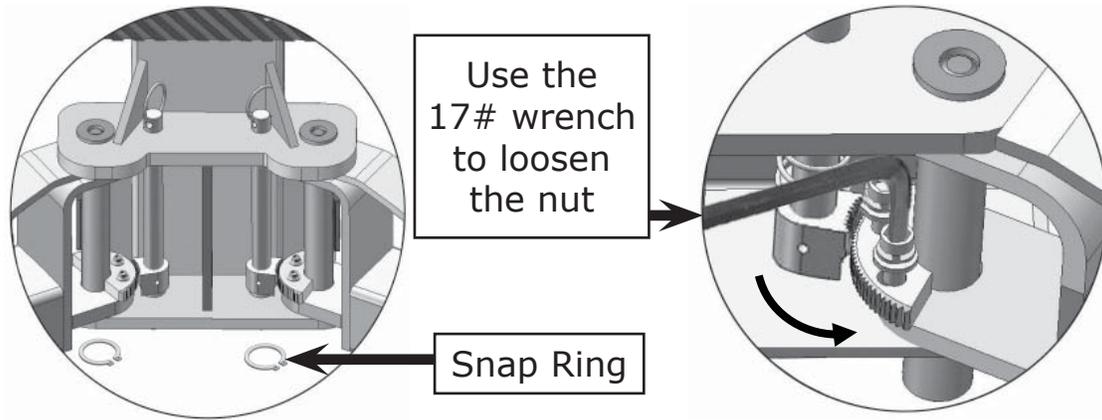


Fig. 26

Fig. 27

3. Adjust the arm lock as direction of arrow (See Fig. 29)
4. Adjust the moon gear and arm lock to make it to be meshed, then tighten the nut of arm lock (See Fig. 26).

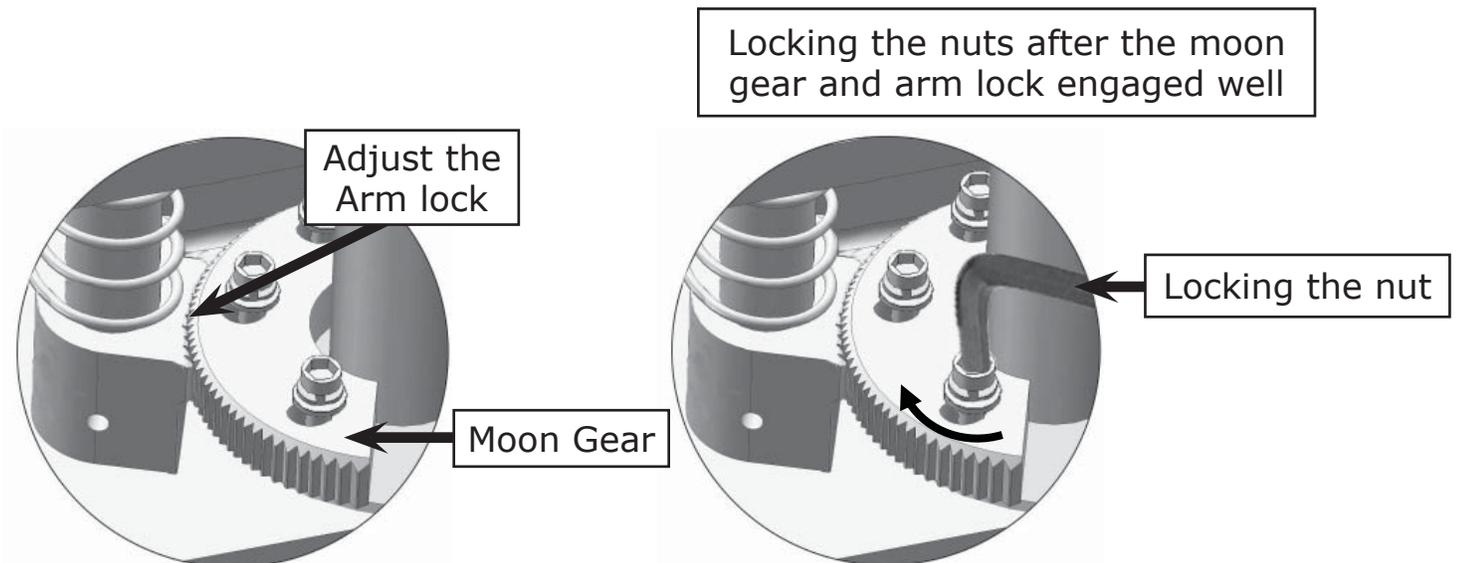


Fig. 28

Fig. 29

Q. Install Electrical System

Connect the power source according to the data plate on the Power Unit.

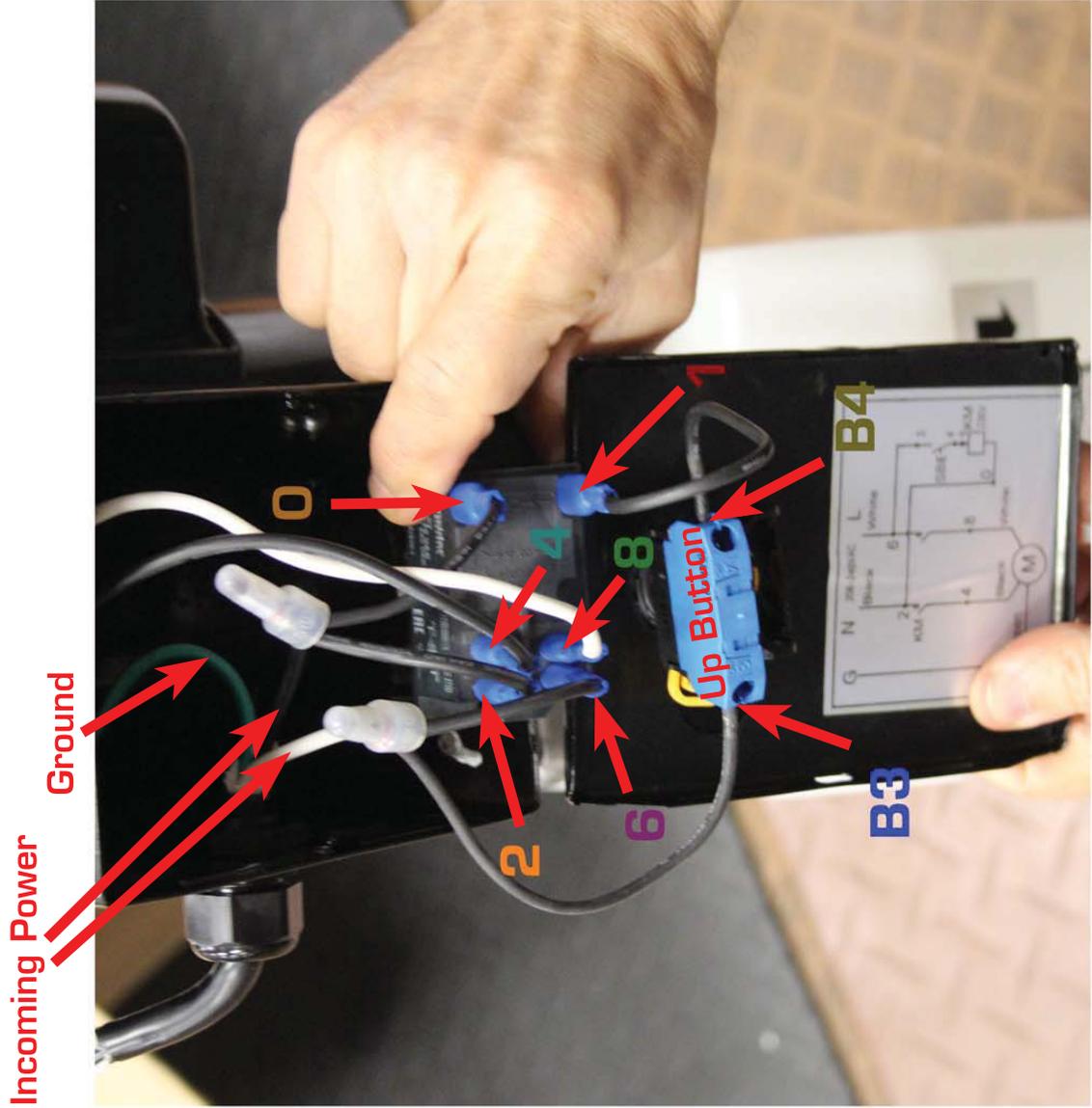
Remove the short “Pig Tail” wire connected to the AC contactor terminals. This wire was used to test the motor after production.

Atlas single phase motor

Please Note: This motor is powered by Alternating Current and the terminals on the AC contactor are not wire color specific. There are no positive or negative terminals.

Six Terminal Relay

(220V Single Phase 60Hz 3HP)



1.) Incoming Power

- a.) One hot to **terminal 6** and **terminal B3** connect with wire nut
- b.) One hot to **terminal 2** and **terminal 0** connect with wire nut
- c.) Ground to motor casing

2.) Motor

- a.) One hot to **terminal 8**
- b.) One hot to **terminal 4**

3.) Limit Switch

- a.) Remove wire between **terminal 1** and **terminal B4** of Up Button
- b.) One hot to **terminal B4** of Up Button
- c.) One hot to **terminal 1**

Exploded View

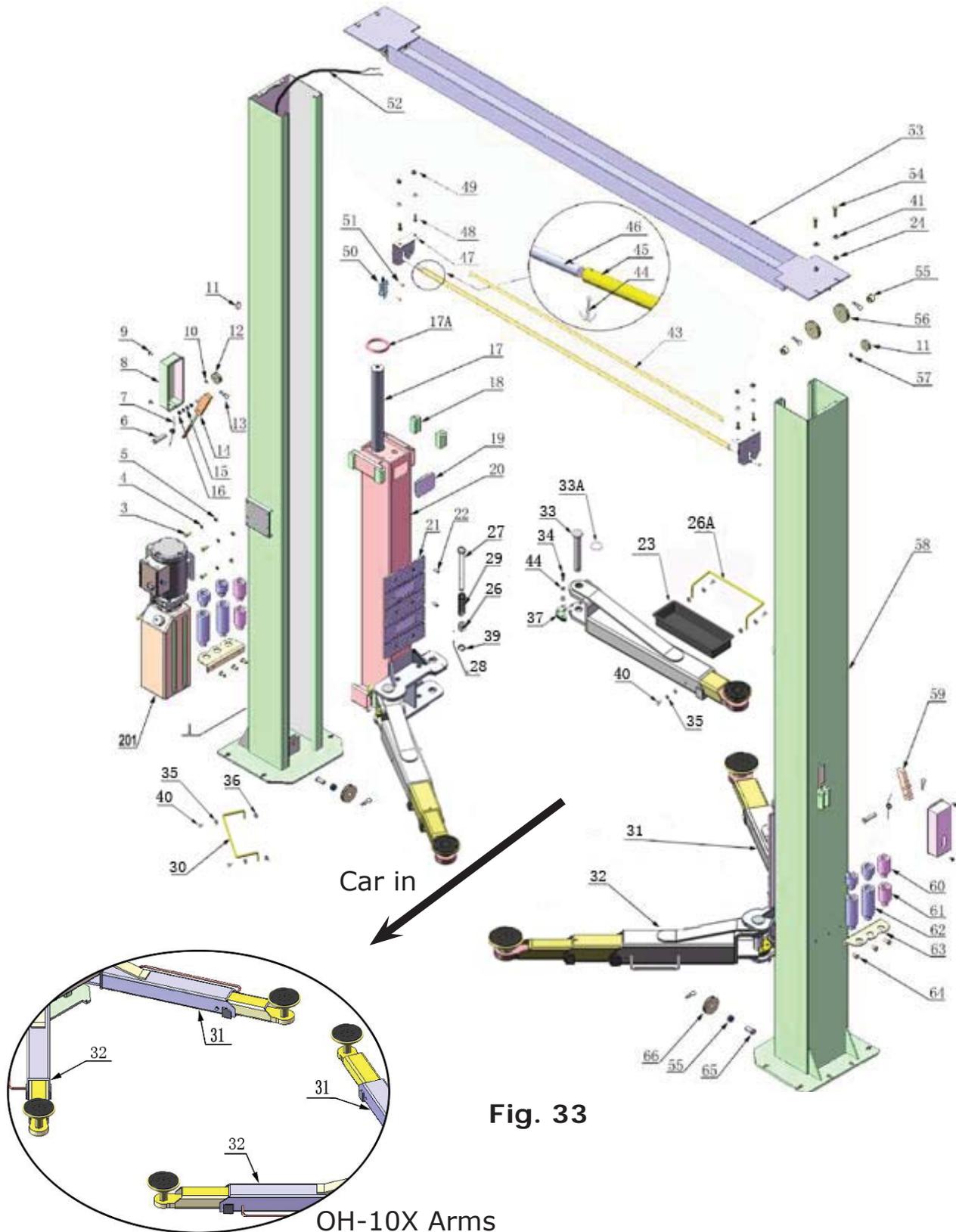


Fig. 33

OH-10X Arms

Cylinders

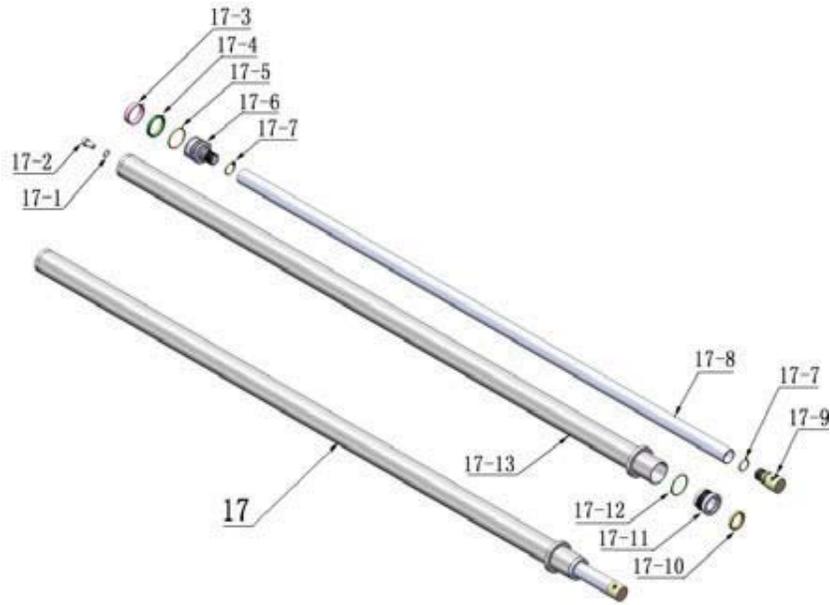


Fig. 34

Atlas Hydraulic Power, Unit 220V/60Hz, Single phase

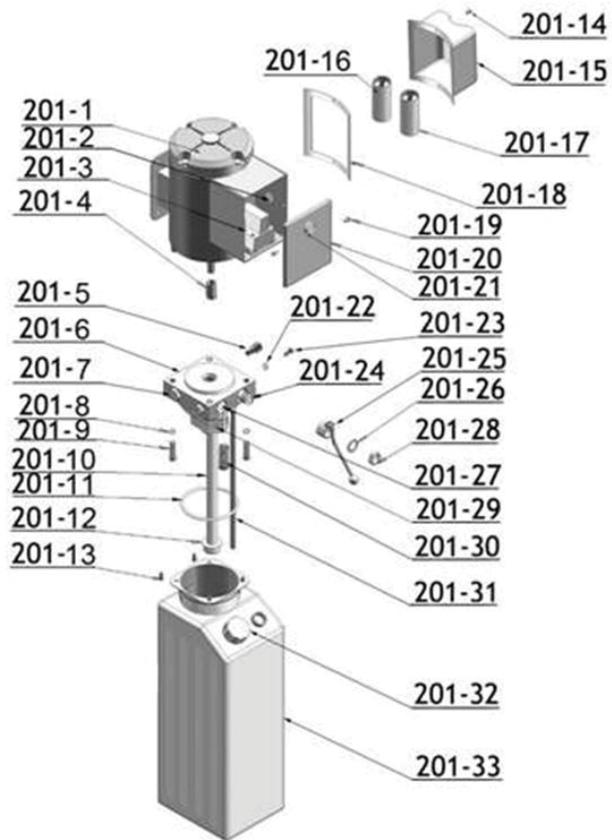


Fig. 35

Illustration Of Hydraulic Valve For Atlas Power Unit

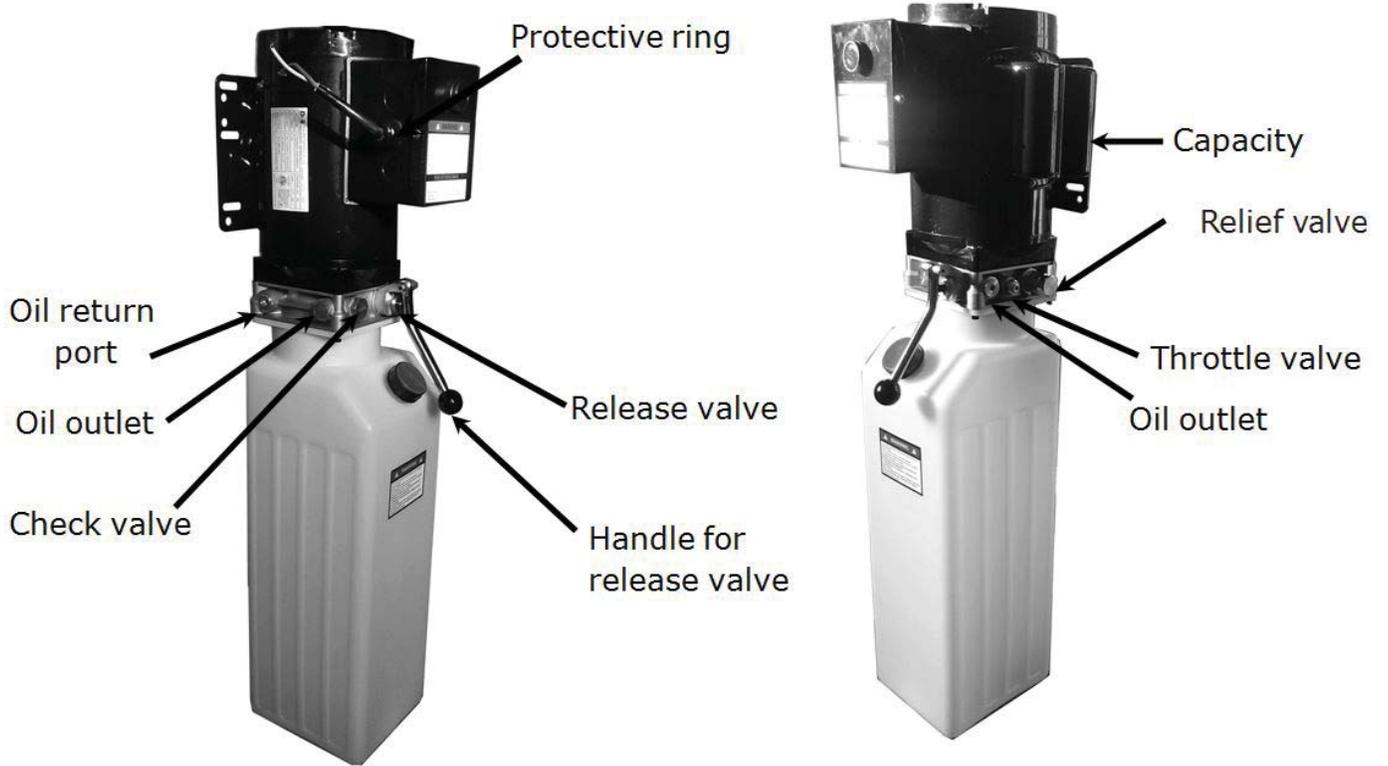


Fig. 36

Test Run

1. Adjust synchronous cable (See Fig. 39)

Use one wrench to hold the cable fitting and another wrench to tighten the cable nut. Make sure the cables have the same tension so the two carriages lift at the same time. Replace the covers on the carriages. **If the carriages do not lift at the same time, tighten the cable nut as seen in figure 40 and tighten the locking nut.**



Fig. 39

2. Adjust safety cable

Lift the carriages and lock at the same height, pull the safety cable and then release a little, and then tighten the cable nuts. Make sure the safety locks click at the same time.

3. Bleeding air

This hydraulic system is designed to bleed air by loosening the bleeding screw. Lift the carriages to about 12 inches and loosen the bleeding plug, lower the lift until fluid comes out. Tighten the screws after bleeding (See Fig. 40).

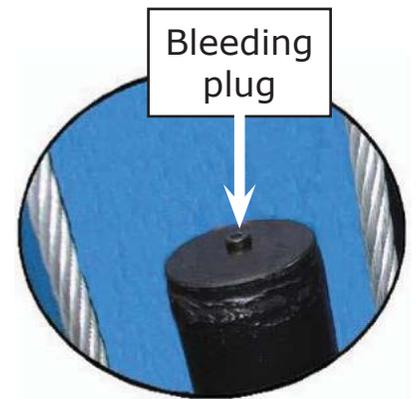
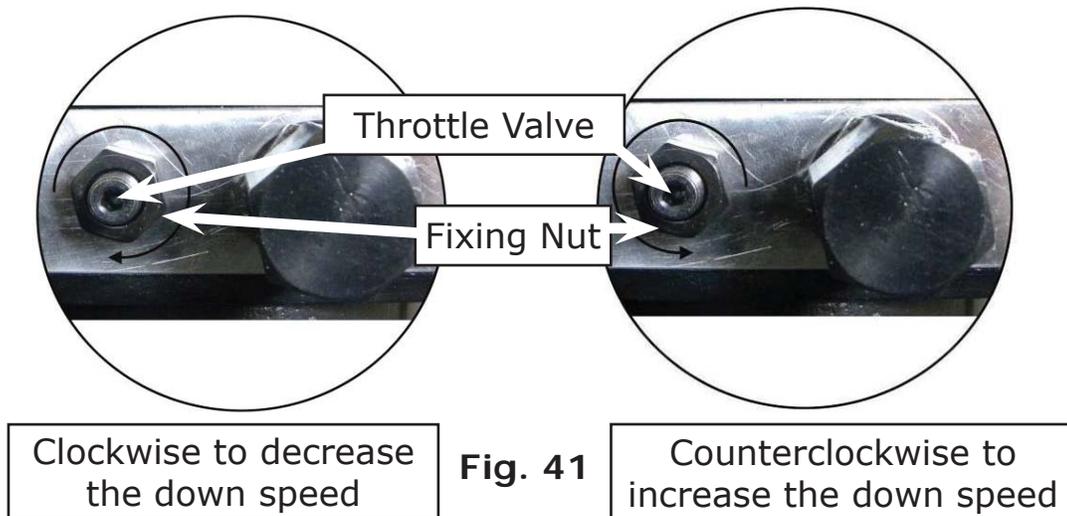


Fig. 40

4. Adjust the lowering speed (Only for ATLAS power unit) (Adjust with a load on the lift)

You can adjust the lowering speed of the lift if necessary: Loosen the locking nut on the throttle valve, and then turn the throttle valve clockwise to decrease the lowering speed, or counterclockwise to increase the lowering speed. Do not forget to tighten the locking nut after the lower speed adjustment has been completed.

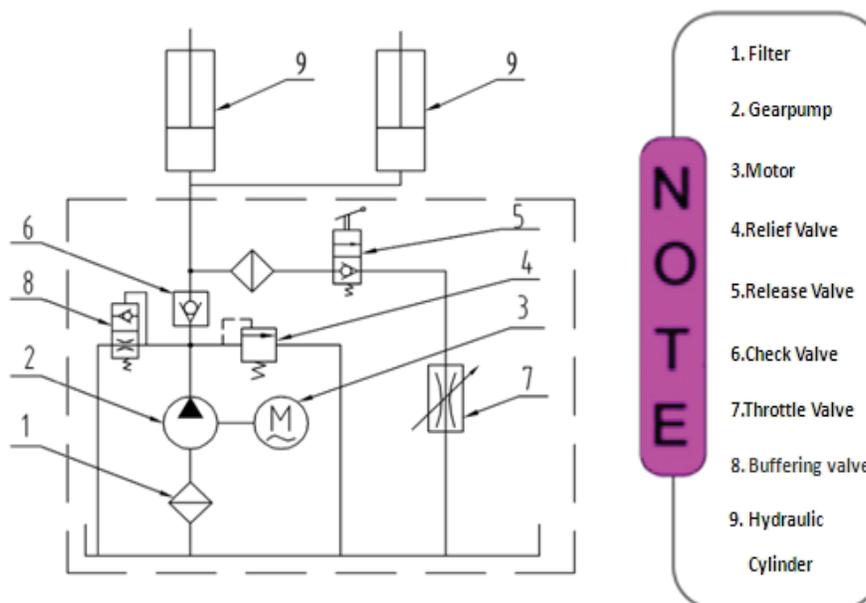


5. Test with load

After finishing the above adjustment, test run the lift with a load. Run the lift in the low position several times and then run the lift to the top completely.

NOTE: If the lift vibrates on the way up with a load, lubricate all pulley shafts and wear blocks. If the lift vibrates on the way down, the cylinders need to be bled again.

Fig. 42 - Hydraulic System



Operation Instructions

Please read the safety tips carefully before operating the lift.

To lift vehicle

1. Keep work area clean around and under the lift;
2. Position lift arms to the lowest position;
3. To shortest lift arms;
4. Open lift arms;
5. Position vehicle between columns;
6. Move arms to the vehicle's lifting point;

Note: The four lift arms must at the same time contact the vehicle's lifting point where manufacturers recommended

7. Press the **UP** button until the lift pads contact underside of vehicle totally. Recheck to make sure vehicle is secure;
8. Continue to raise the lift slowly to the desired working height, ensuring the balance of vehicle;
9. Push lowering handle to lower lift onto the nearest safety. The vehicle is ready to repair.

Note: The lift must always be on the safety locks!!!!

To lower vehicle

1. Keep the lift area free of clutter;
2. Press the button of **UP** to raise the vehicle slightly, and then release the safety device, lower vehicle by pushing lowering handle.
3. Open the arms and position them to the shortest length;
4. Drive away the vehicle.

Maintenance Schedule

Monthly:

1. Re-torque the anchor bolts to 65-86 ft lbs;
2. Check all connectors, bolts, and pins to ensure proper mounting;
3. Lubricate cable with lubricant;
4. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage;
5. Check safety device and make sure proper condition;
6. Lubricate all rollers and pins with 90wt. Gear oil or equivalent;

Note: All anchor bolts should take full torque. If any of the bolts do not function for any reason, DO NOT use the lift until the bolt has been replaced.

Every six months:

1. Make a visual inspection of all moving parts for possible wear, interference or damage.
2. Check and adjust (as necessary) equalizer tension of the cables to ensure level lifting.
3. Check columns are plumb.
4. Check rubber pads and replace as necessary.
5. Check safety device and make sure proper condition.

Trouble Shooting

| TROUBLE | CAUSE | REMEDY |
|---------------------------------------|--|---|
| Motor does not run | <ol style="list-style-type: none"> 1. Button does not work 2. Wiring connections are not in good condition 3. Motor burned out 4. Height Limit Switch is damaged 5. AC Contactor burned out | <ol style="list-style-type: none"> 1. Replace button 2. Repair all wiring connections 3. Repair or replace motor 4. Replace the Limit Switch 5. Replace AC Contactor |
| Motor runs but the lift is not raised | <ol style="list-style-type: none"> 1. Motor runs in reverse rotation 2. Gear Pump out of operation 3. Release Valve in damage 4. Relief Valve or Check Valve is damaged 5. Low oil level | <ol style="list-style-type: none"> 1. Reverse two power wire 2. Repair or replace 3. Repair or replace 4. Repair or replace 5. Fill tank |
| Lift does not stay up | <ol style="list-style-type: none"> 1. Release Valve out of work 2. Relief Valve or Check Valve leakage 3. Cylinder or Fittings leaks | Repair or replace |
| Lift raises slowly | <ol style="list-style-type: none"> 1. Oil line is jammed 2. Motor running on low voltage 3. Oil mixed with Air 4. Gear Pump leaks 5. Overload lifting | <ol style="list-style-type: none"> 1. Clean the oil line 2. Check electrical system 3. Fill tank 4. Replace Pump 5. Check load |
| Lift cannot lower | <ol style="list-style-type: none"> 1. Safety device are locking 2. Release Valve in damage 3. Safety cable broken 4. Oil system is jammed | <ol style="list-style-type: none"> 1. Release the safeties 2. Repair or replace 3. Replace 4. Clean the oil system |

10-OHSCX & OH-10X Parts List

| Item | Part# | Description | Qty. | |
|------|---------|------------------------------|---------|--------|
| | | | 10-OHSC | OH-10X |
| 1 | 209206 | Power side Column | 1 | 1 |
| 201 | 209002 | Manual Power Unit | 1 | 1 |
| 3 | 209003 | Hex Bolt | 4 | 4 |
| 4 | 209004 | Rubber Ring | 4 | 4 |
| 5 | 209005 | Nylok Nut | 4 | 4 |
| 6 | 206002 | Safety Pin | 2 | 2 |
| 7 | 209007 | Safety Spring | 2 | 2 |
| 8 | 209008 | Safety Cover | 2 | 2 |
| 9 | 209009 | Cup Head Bolt | 4 | 4 |
| 10 | 209010 | Snap Ring | 1 | 1 |
| 11 | 620059 | Protective ring | 1 | 1 |
| 12 | 209049 | Plastic small pulley | 3 | 3 |
| 13 | 209012 | Hair Pin | 8 | 8 |
| 14 | 209013 | Power side Safety Lock | 1 | 1 |
| 15 | 206006 | Washer | 6 | 6 |
| 16 | 206023A | Hex Nut | 2 | 2 |
| 17 | 209014 | Cylinder | 2 | 2 |
| 17A | 209111 | Protective ring for cylinder | 2 | 2 |
| 18 | 209015 | Slider Block | 16 | 16 |
| 19 | 209016 | Carriage Plastic Cover | 2 | 2 |
| 20 | 211008 | Carriage | 2 | 2 |
| 21 | 209018 | Protective Rubber | 2 | 2 |
| 22 | 209019 | Bolt | 12 | 12 |
| 23 | 206156 | Tool tray | 2 | 4 |
| 24 | 209021 | Hex Nut | 4 | 4 |
| 25 | 209022 | Washer | 12 | 12 |
| 26 | 217044 | Arm lock | 4 | 4 |
| 26A | 206154 | Rear toe guard | 2 | 4 |
| 27 | 207046A | Arm lock bar | 4 | 4 |
| 28 | 206036 | Hair Pin | 4 | 4 |
| 29 | 217045 | Spring | 4 | 4 |
| 30 | 206155 | Front toe guard | 2 | 0 |

| Item | Part# | Description | Qty. | |
|------|---------|-------------------------------------|---------|--------|
| | | | 10-OHSC | OH-10X |
| 31 | 203131 | Lifting Arm - Front (Drop-in) | 2 | 4 |
| 31A | 203149 | Outer Arm - Rear | 2 | 4 |
| 31B | 203150 | Inner Arm - Rear | 2 | 4 |
| 32 | 203130 | Lifting Arm - Front Right (Drop-in) | 2 | 0 |
| 32A | 203136 | Outer Arm - Front | 2 | 0 |
| 32B | 230137 | Middle Arm - Front | 2 | 0 |
| 32C | 203138 | Inner Arm - Front | 2 | 0 |
| 33 | 217168 | Arm Pin | 4 | 4 |
| 33A | 520023 | Snap Ring | 4 | 4 |
| 34 | 206048 | Socket Bolt | 12 | 12 |
| 35 | 209034 | Lock Washer | 18 | 16 |
| 36 | 209033 | Washer | 18 | 16 |
| 37 | 206049 | Moon Gear | 4 | 4 |
| 38 | 209153 | Pull tab for arm lock bar | 4 | 4 |
| 39 | 206032 | Snap ring | 4 | 4 |
| 40 | 201002 | Hex Bolt | 14 | 12 |
| 41 | 209039 | Lock Washer | 12 | 12 |
| 42 | 217114A | Rubber Pad Assy. | 4 | 4 |
| 42A | 420138 | Socket bolt | 4 | 4 |
| 42B | 209134 | Rubber Pad | 4 | 4 |
| 42C | 680030B | Rubber Pad Frame | 4 | 4 |
| 43 | 206025A | Foam Cushion | 1 | 1 |
| 44 | 201005 | Split pin | 2 | 2 |
| 45 | 206025C | Connecting Pin for Control Bar | 2 | 2 |
| 46 | 202011 | Control Bar | 1 | 1 |
| 47 | 206042 | Control Bar Bracket | 2 | 2 |
| 48 | 206041 | Hex Bolt | 4 | 4 |
| 49 | 206023 | Nylok Nut | 4 | 4 |
| 50 | 206013 | Limit Switch | 1 | 1 |
| 51 | 206011 | Cup Head Bolt | 2 | 2 |
| 52 | 209184 | Wire Cable | 1 | 1 |
| 53 | 211011 | Top Beam | 1 | 0 |
| | 211011A | | 0 | 1 |
| 54 | 209046 | Hex Bolt | 4 | 4 |
| 55 | 209057A | Bronze Bush | 6 | 6 |
| 56 | 209057 | Small Pulley | 4 | 4 |
| 57 | 209056 | Nylok Nut | 2 | 2 |

| Item | Part# | Description | Qty. | |
|---|---------|---------------------------------|---------|--------|
| | | | 10-OHSC | OH-10X |
| 58 | 209207 | Offside Column | 1 | 1 |
| 59 | 211013 | Offside Safety Lock | 1 | 1 |
| 60 | 209051B | Stackable Adapter(1.5") | 4 | 4 |
| 61 | 209052B | Stackable Adapter (2.5") | 4 | 4 |
| 62 | 209053B | Stackable Adapter (5") | 4 | 4 |
| 63 | 209054A | Stackable Adapter Bracket | 2 | 2 |
| 64 | 209055 | Hex Bolt | 6 | 6 |
| 65 | 209044 | Pin For Pulley | 2 | 2 |
| 66 | 209045 | Big Pulley | 2 | 2 |
| 67 | 209059B | Anchor Bolt | 12 | 12 |
| 67A | 620065 | Shim | 10 | 10 |
| 67B | 201090 | Shim | 10 | 10 |
| 67C | 207046 | Arm lock bar(right) | 2 | 2 |
| Parts List for Oil Hose, Fitting & Cable | | | | |
| 68 | 209060 | 90° Fitting for power unit | 1 | 1 |
| 69 | 211014 | Oil hose | 1 | 1 |
| 70 | 211016 | T- fitting | 1 | 1 |
| 71 | 211015A | Oil hose | 2 | 1 |
| 71A | 211020 | Oil hose | 0 | 1 |
| 72 | 211017 | Extend 90° fitting for Cylinder | 2 | 2 |
| 73 | 209066 | Cable Nut | 4 | 4 |
| 74 | 211018 | Cable | 2 | 0 |
| | 211018A | | 0 | 2 |
| 75 | 211019 | Safety Cable | 1 | 0 |
| | 211019A | | 0 | 1 |
| 76 | 209501B | Parts Box | 1 | 0 |
| 77 | 209502B | | 0 | 1 |
| Parts for Cylinder | | | | |
| 17-1 | 209069 | O-Ring | 2 | 2 |
| 17-2 | 209070 | Bleeding Plug | 2 | 2 |
| 17-3 | 209071 | Support Ring | 2 | 2 |
| 17-4 | 209072 | Y-Ring | 2 | 2 |
| 17-5 | 209073 | O-Ring | 2 | 2 |
| 17-6 | 209074 | Piston Rod | 2 | 2 |
| 17-7 | 209075 | O-Ring | 4 | 4 |
| 17-8 | 209076 | Piston Rod | 2 | 2 |

| Item | Part# | Description | Qty. | |
|---|----------|-----------------------------|---------|--------|
| | | | 10-OHSC | OH-10X |
| 17-9 | 209077 | Piston Rod Fitting | 2 | 2 |
| 17-10 | 209078 | Dust Ring | 2 | 2 |
| 17-11 | 209079 | Head Cup | 2 | 2 |
| 17-12 | 209080 | O-Ying | 2 | 2 |
| 17-13 | 209081 | Bore Weldment | 2 | 2 |
| Parts for ATLAS manual power unit, 220V/60Hz/1 phase | | | | |
| 201-1 | 81400152 | Motor (ETL certificate) | 1 | 1 |
| 201-2 | 81400209 | Cover of Motor Terminal Box | 1 | 1 |
| 201-3 | 81400252 | Contacto | 1 | 1 |
| 201-4 | 81400127 | Motor Connecting Shaft | 1 | 1 |
| 201-5 | 81100175 | Relief Valve | 1 | 1 |
| 201-6 | 81400210 | Valve Body | 1 | 1 |
| 201-7 | 81400143 | Plug | 1 | 1 |
| 201-8 | 209149 | Spring washer | 2 | 2 |
| 201-9 | 81400148 | Socket bolt | 2 | 2 |
| 201-10 | 81400135 | Oil inlet Pipe | 1 | 1 |
| 201-11 | 81400144 | O- Ring | 1 | 1 |
| 201-12 | 81400150 | Filter | 1 | 1 |
| 201-13 | 81400145 | Socket bolt | 4 | 4 |
| 201-14 | 420148 | Cup Head Bolt | 4 | 4 |
| 201-15 | 81400203 | Cover of Capacitor | 1 | 1 |
| 201-16 | 81400250 | Start Capacitor | 1 | 1 |
| 201-17 | 81400200 | Running Capacitor | 1 | 1 |
| 201-18 | 81400204 | Rubber Gasket | 1 | 1 |
| 201-19 | 420148 | Cup Head Bolt | 2 | 2 |
| 201-20 | 81400050 | Cover of Motor Terminal Box | 1 | 1 |
| 201-21 | 81400045 | Push Button | 1 | 1 |
| 201-22 | 81400147 | Bonded Washer | 1 | 1 |
| 201-23 | 81400146 | Plug | 1 | 1 |
| 201-24 | 81400075 | Release Valve | 1 | 1 |
| 201-25 | 81400117 | Handle For Release Valve | 1 | 1 |
| 201-26 | 81400181 | Washer | 1 | 1 |
| 201-27 | 81400044 | Check Valve | 1 | 1 |
| 201-28 | 81400182 | Hex nut | 1 | 1 |
| 201-29 | 81400040 | Gear Pump | 1 | 1 |
| 201-30 | 81400068 | Buffer valve | 1 | 1 |

| Item | Part# | Description | Qty. | |
|--------|----------|---------------------|---------|--------|
| | | | 10-OHSC | OH-10X |
| 201-31 | 81400136 | Oil Return Pipe | 1 | 1 |
| 201-32 | 81400202 | Filler Cap | 1 | 1 |
| 201-33 | 81400154 | 12L white reservoir | 1 | 1 |

Warranty



This item is warranted for five (5) years on structural components, two (2) years on hydraulic cylinders, and one (1) year on electric or air / hydraulic power units from invoice date. Wear items are covered by a 90 day warranty.

This LIMITED warranty policy does **not include a labor** warranty.

NOTE: ALL WARRANTY CLAIMS MUST BE PRE-APPROVED BY THE MANUFACTURER TO BE VALID.

The Manufacturer shall repair or replace at their option for this period those parts returned to the factory freight prepaid, which prove after inspection to be defective. This warranty will not apply unless the product is installed, used and maintained in accordance with the Manufacturers installation, operation and maintenance instructions.

This warranty applies to the ORIGINAL purchaser only, and is non-transferable. The warranty covers the products to be free of defects in material and workmanship but, does not cover normal maintenance or adjustments, damage or malfunction caused by: improper handling, installation, abuse, misuse, negligence, carelessness of operation or normal wear and tear. In addition, this warranty does not cover equipment when repairs or alterations have been made or attempted to the Manufacturer's products.

THIS WARRANTY IS EXCLUSIVE AND IS LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS FROM A PARTICULAR PURPOSE, AND ALL SUCH IMPLIED WARRANTIES ARE EXPRESSLY EXCLUDED.

THE REMEDIES DESCRIBED ARE EXCLUSIVE AND IN NO EVENT SHALL THE MANUFACTURER, NOR ANY SALES AGENT OR OTHER COMPANY AFFILIATED WITH IT OR THEM, BE LIABLE FOR SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR THE BREACH OF OR DELAY IN PERFORMANCE OF THIS WARRANTY. THIS INCLUDES, BUT IS NOT LIMITED TO, LOSS OF PROFIT, RENTAL OR SUBSTITUTE EQUIPMENT OR OTHER COMMERCIAL LOSS.

PRICES: Prices and specifications are subject to change without notice. All orders will be invoiced at prices prevailing at time of shipment. Prices do not include any local, state or federal taxes.

RETURNS: Products may not be returned without prior written approval from the Manufacturer.

DUE TO THE COMPETITIVENESS OF THE SELLING PRICE OF THESE LIFTS, THIS WARRANTY POLICY WILL BE STRICTLY ADMINISTERED AND ADHERED TO.