

INSTALLATION & OPERATION MANUAL

Atlas BP8000/BP9000

8000/9000 lb. Capacity
Two-Post Baseplate Lift



Atlas Automotive Equipment
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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 _____

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Specifications

Floorplate Chain-Drive Model Features

Model BP8000 (See Fig. 1)

- Compact design
- Dual hydraulic cylinders designed and made on ANSI standards, utilizing NOK oil seals in cylinders.
- Self-lubricating UHMW Polyethylene sliders and bronze bushings
- Single-point safety release, and dual lock safety system
- Super symmetric arm design with 3-stage front arms and 2-stage rear arms
- Stackable rubber pad with 1.5" and 2.5" extension adaptors

MODEL BP8000 SPECIFICATIONS

| Model | Style | Lifting Capacity | Lifting Time | Lifting Height | Overall Height | Overall Width | Width Between Columns | Minimum Pad Height | Gross Weight | Motor |
|--------|---------------------------|------------------|--------------|-------------------|----------------|---------------|-----------------------|--------------------|--------------|--------|
| BP8000 | Floor plate, Chain-driven | 9,000lbs | 45S | 71 1/2" – 75 1/2" | 108" | 132" | 109 1/2" | 3 1/2" | 1,345 lbs | 3.0 HP |



Fig. 1

Floorplate Chain-Drive Two Post Lift

Model BP9000 (See Fig. 2)

- Compact design
- Dual hydraulic cylinders, designed and made on ANSI standards, utilizing NOK oil seals in cylinders
- Self-lubricating UHMW Polyethylene sliders and bronze bushings
- Single-point safety release, and dual lock safety system
- Super symmetric arm design with 3-stage front arms and 2-stage rear arms
- Stackable rubber pad with 1.5", 2.5" and 5" extension adaptors

MODEL BP9000 SPECIFICATIONS

| Model | Style | Lifting Capacity | Lifting Time | Lifting Height | Overall Height | Overall Width | Width Between Columns | Minimum Pad Height | Gross Weight | Motor |
|--------|---------------------------|------------------|--------------|-------------------|----------------|---------------|-----------------------|--------------------|--------------|--------|
| BP9000 | Floor plate, Chain-driven | 9,000lbs | 49S | 76 3/8" – 85 3/8" | 111 3/4" | 136 1/4" | 112 1/4" | 3 1/2" | 1,488 lbs | 3.0 HP |



Fig. 2

Arm Swing View

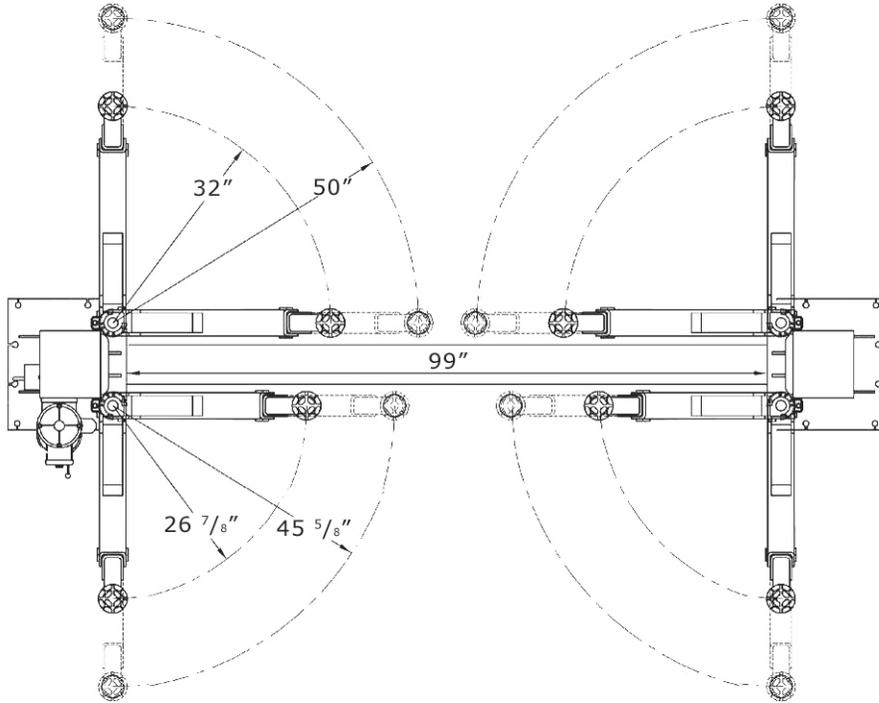


Fig. 3 - Model BP8000

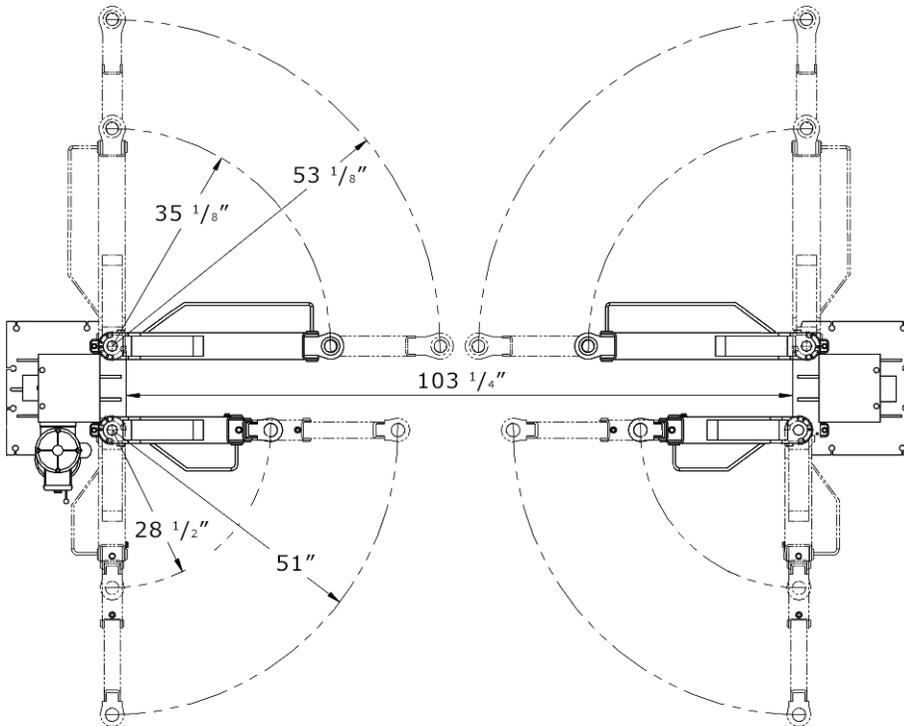


Fig. 4 - Model BP9000

Installation Requirements

Tools Required

Rotary Hammer Drill (3/4in /19mm)



Carpenter's Chalk



Hammer



Screw Drivers



Level Bar



Tape Measure (25ft)



Crescent Wrench (12")



Pliers



Ratchet Spanner With Socket (28#)



Allen Head Wrench (6#)



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



Vise Grips



Fig. 5

Specifications Of Concrete (See Fig. 6).

Concrete must be in compliance to the specifications below.

Failure To Do So May Result In Personal Injury or Property Damage.

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

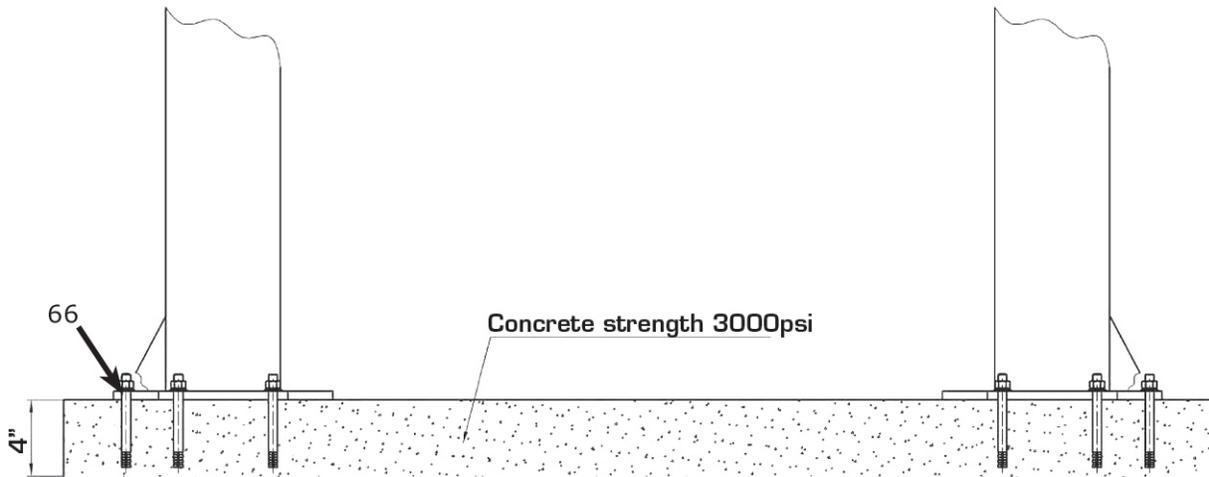


Fig. 6

Power Supply

The capacity of power must be 3 HP minimum. The electrical wire must be a minimum of 10 gauge.

Steps Of Installation

A. Location of Installation

Check the installation location (concrete, layout, space size etc.) so it is suitable for lift installation.

B. Use a carpenter's chalk line to establish installation layout of base plate (See Fig. 7-8).

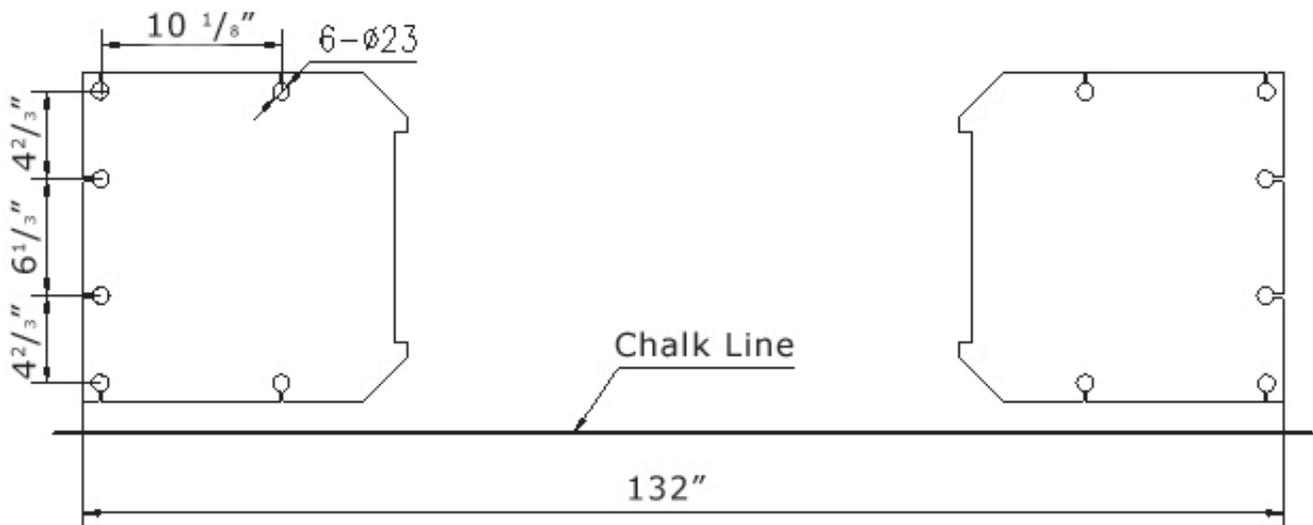


Fig. 7 - Model BP8000

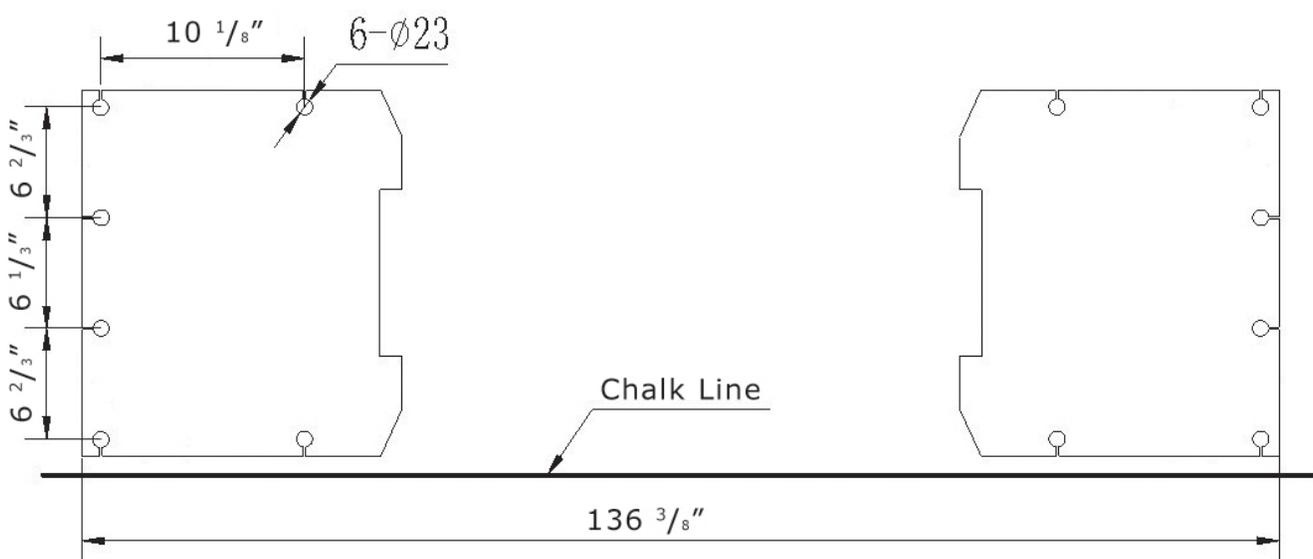


Fig. 8 - Model BP9000

C. Check the parts before assembly.

1. Packaged lift and hydraulic power unit (See Fig. 9).



Fig. 9

2. Move the lift aside with fork lift or hoist, and open the outer packing carefully, take off the parts from upper and inside the column, take out the parts box, check the parts according to the shipment parts list (See Fig. 10).

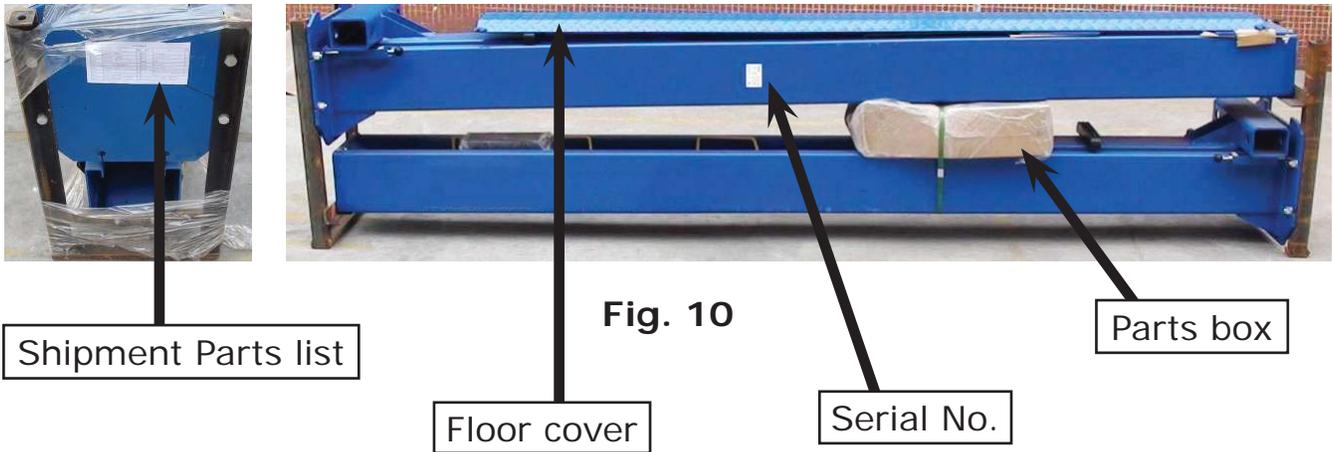


Fig. 10

3. Loosen the screws of the upper package stand, take off the upper column and remove the package stand.

4. Move aside the parts and check the parts according to the shipment parts list.

4.1 For model BP8000 (See Fig. 11, Fig. 12).



Fig. 12: Parts in the parts box (77)

4.2 For model BP9000 (See Fig. 13, Fig. 14).

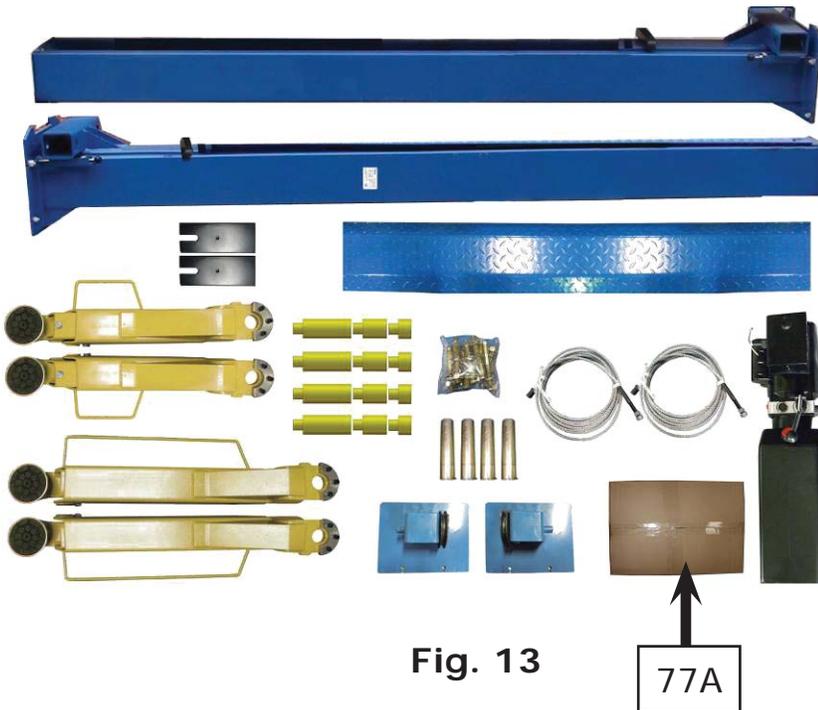
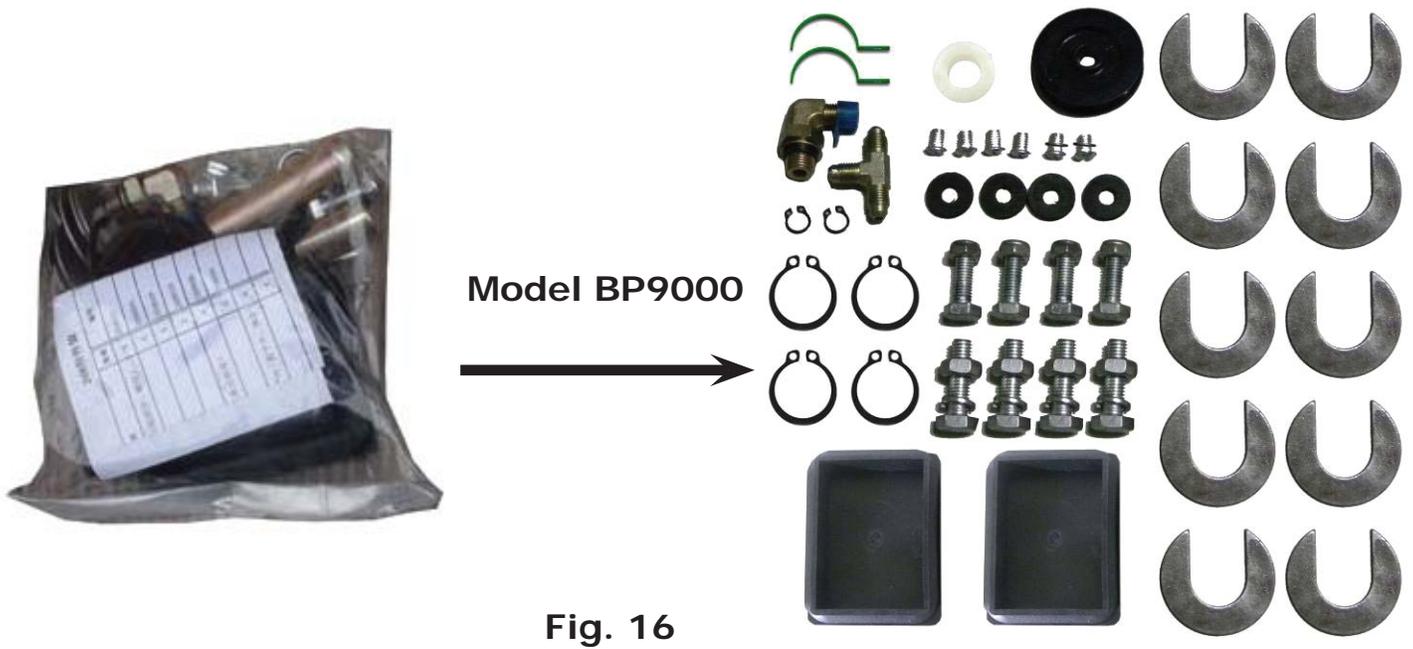
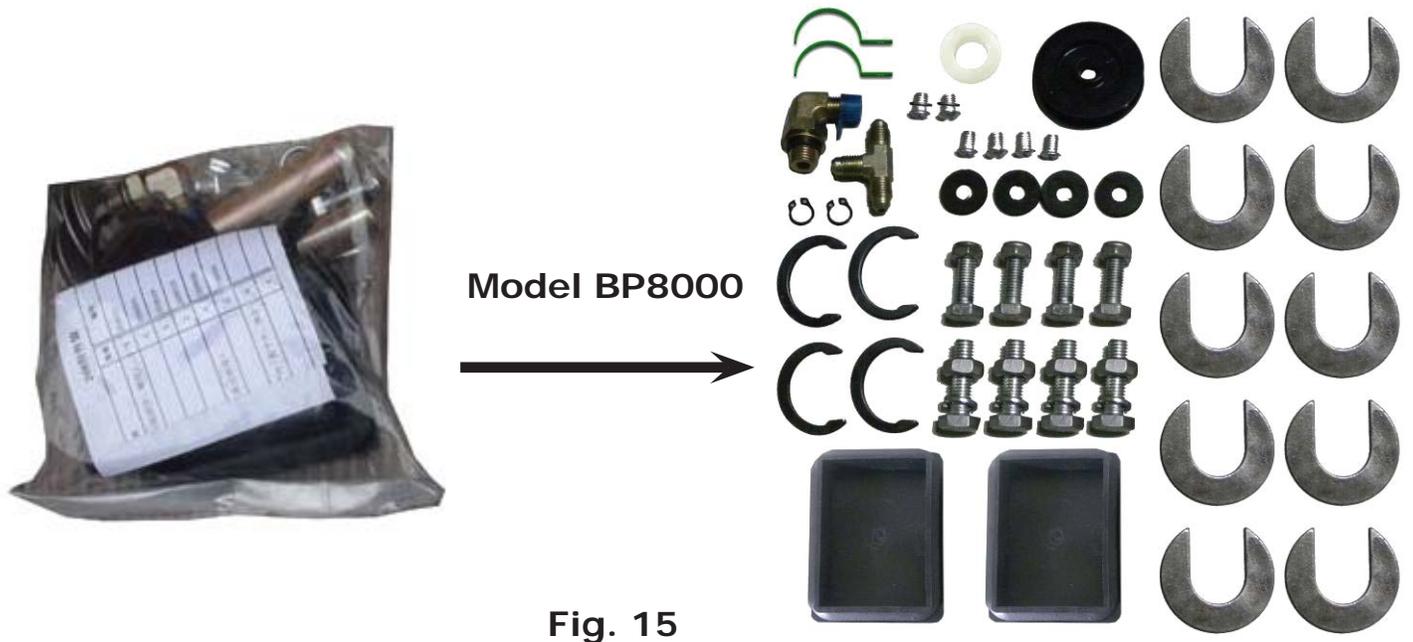


Fig. 14: Parts in the parts box (77A)

5. Open the carton of parts and check the parts according to parts box list (See Fig. 15 & Fig.16).



D. Position power side columns

Lay down two posts on the installation site parallel, position the Power side post according to the actual installation environment. (See Fig. 17 & Fig. 18).

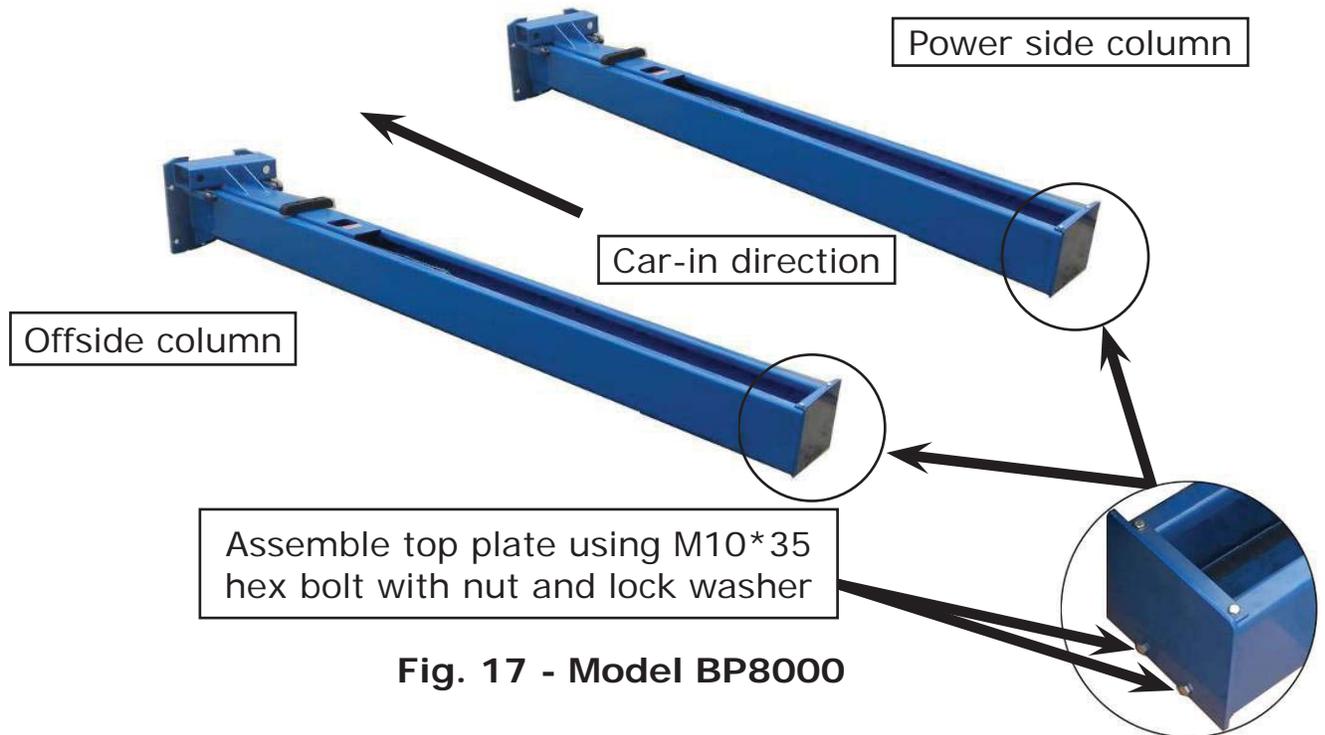


Fig. 17 - Model BP8000

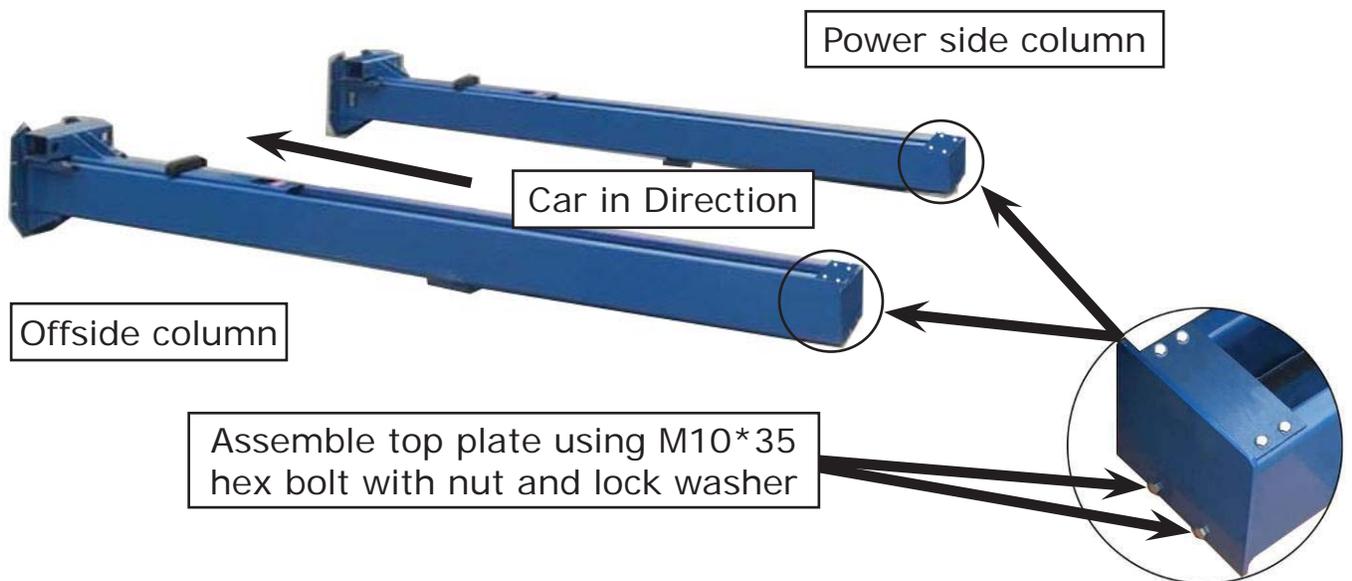
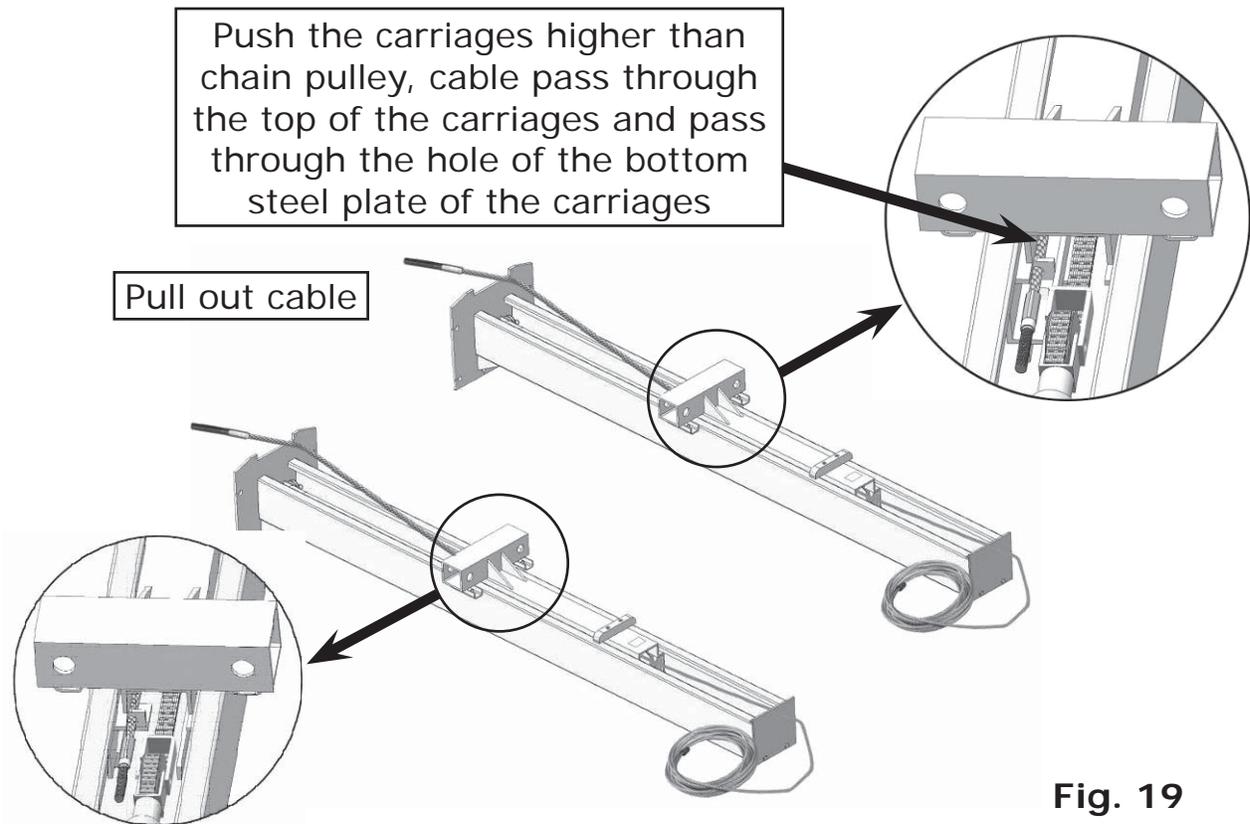


Fig. 18 - Model BP9000

E. Connecting the cables

1. Push the carriages higher than chain pulley (See Fig. 19).



2. Push the carriages to the bottom of the columns (See Fig. 20).



Fig. 20

F. Position columns (See Fig. 21)

Check the columns are plumb with level bar, and adjusting with the shims if the columns are not vertical.

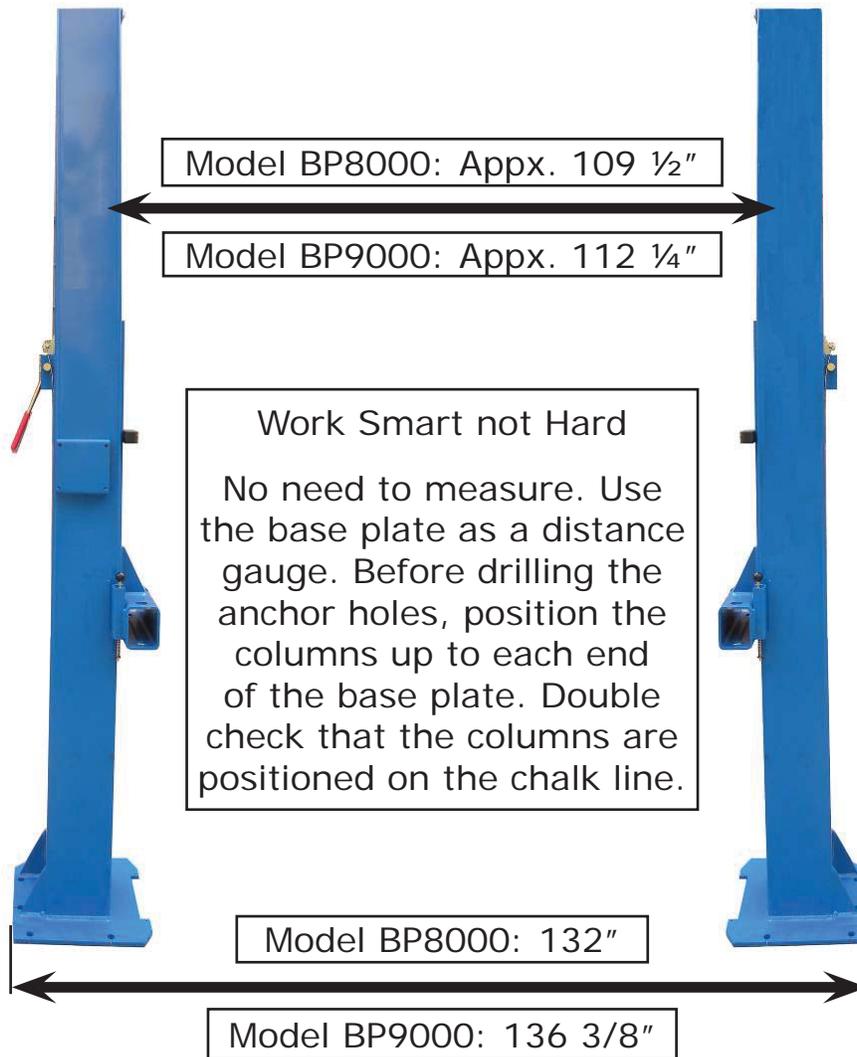
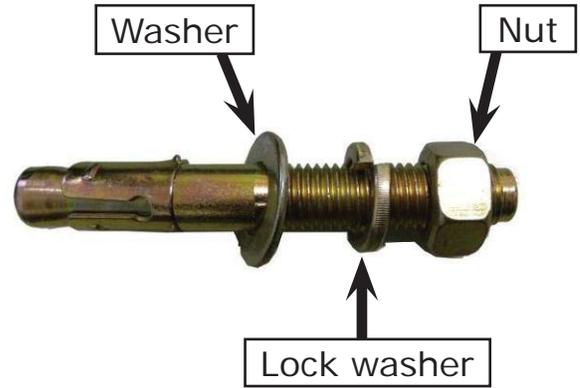


Fig. 21

G. Fix anchor bolts

1. Prepare anchor bolts (See Fig. 22).

Fig. 22



2. Use a hammer drill with a $\frac{3}{4}$ " (19mm) masonry bit and drill all the anchor holes. Install the anchor bolts with a hammer. Tighten the Anchor Bolts between 85 and 110 foot pounds (See Fig. 23).

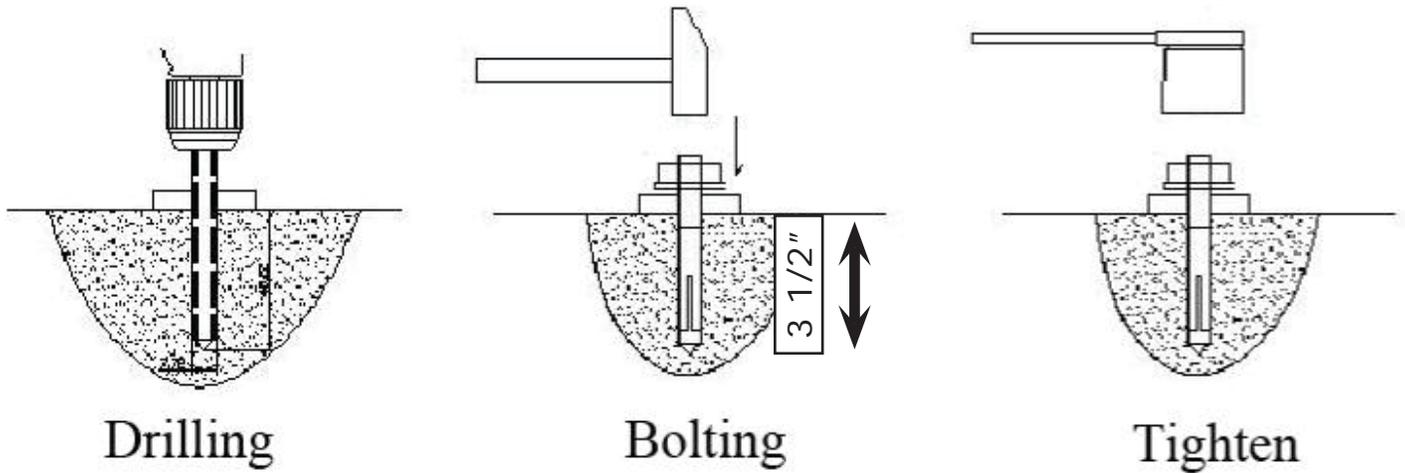


Fig. 23

H. Lift the carriages up by hand and rest them on the first set of locks. (See Fig. 24).

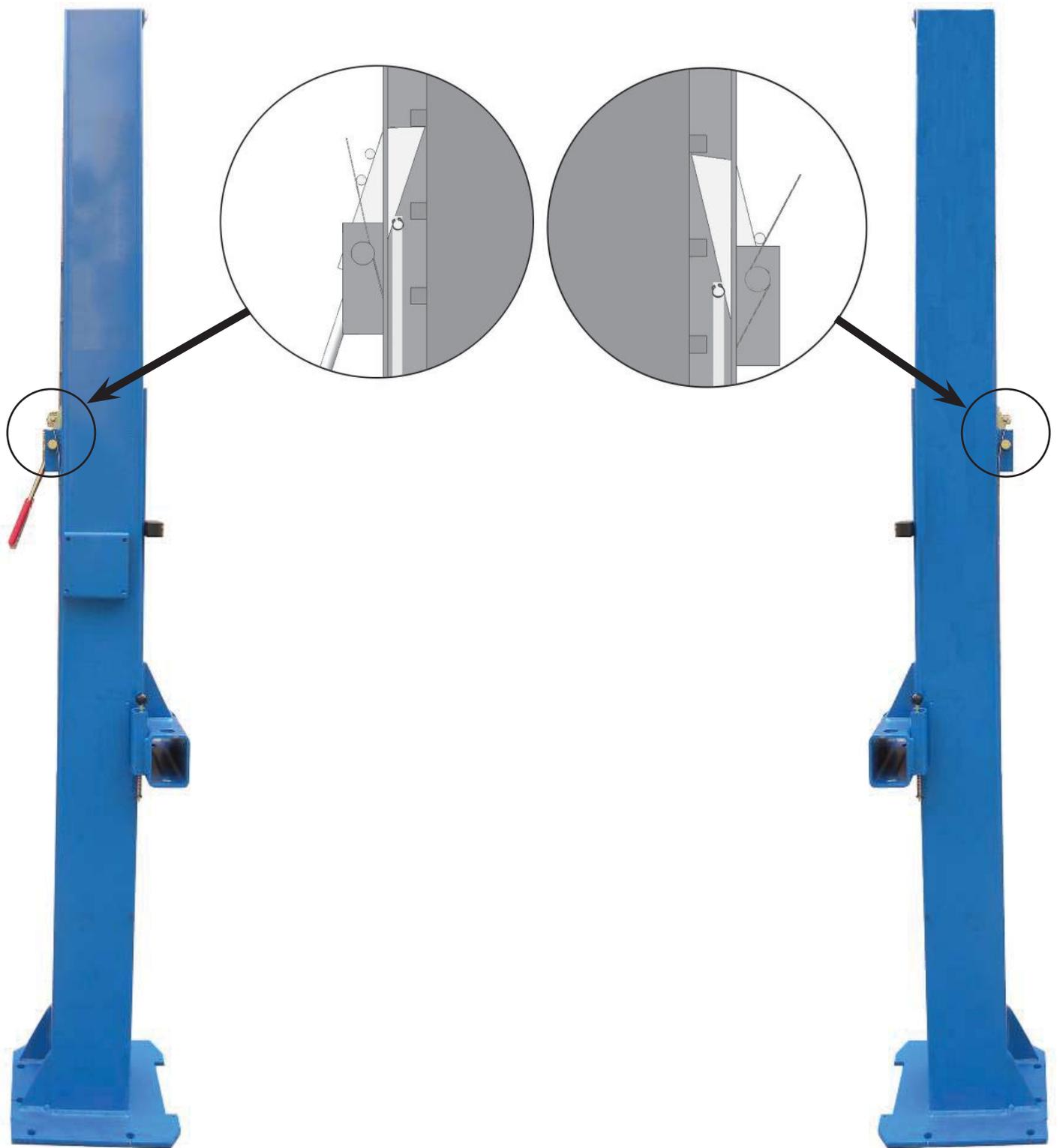


Fig. 24

I. Install cable (See Fig. 25)

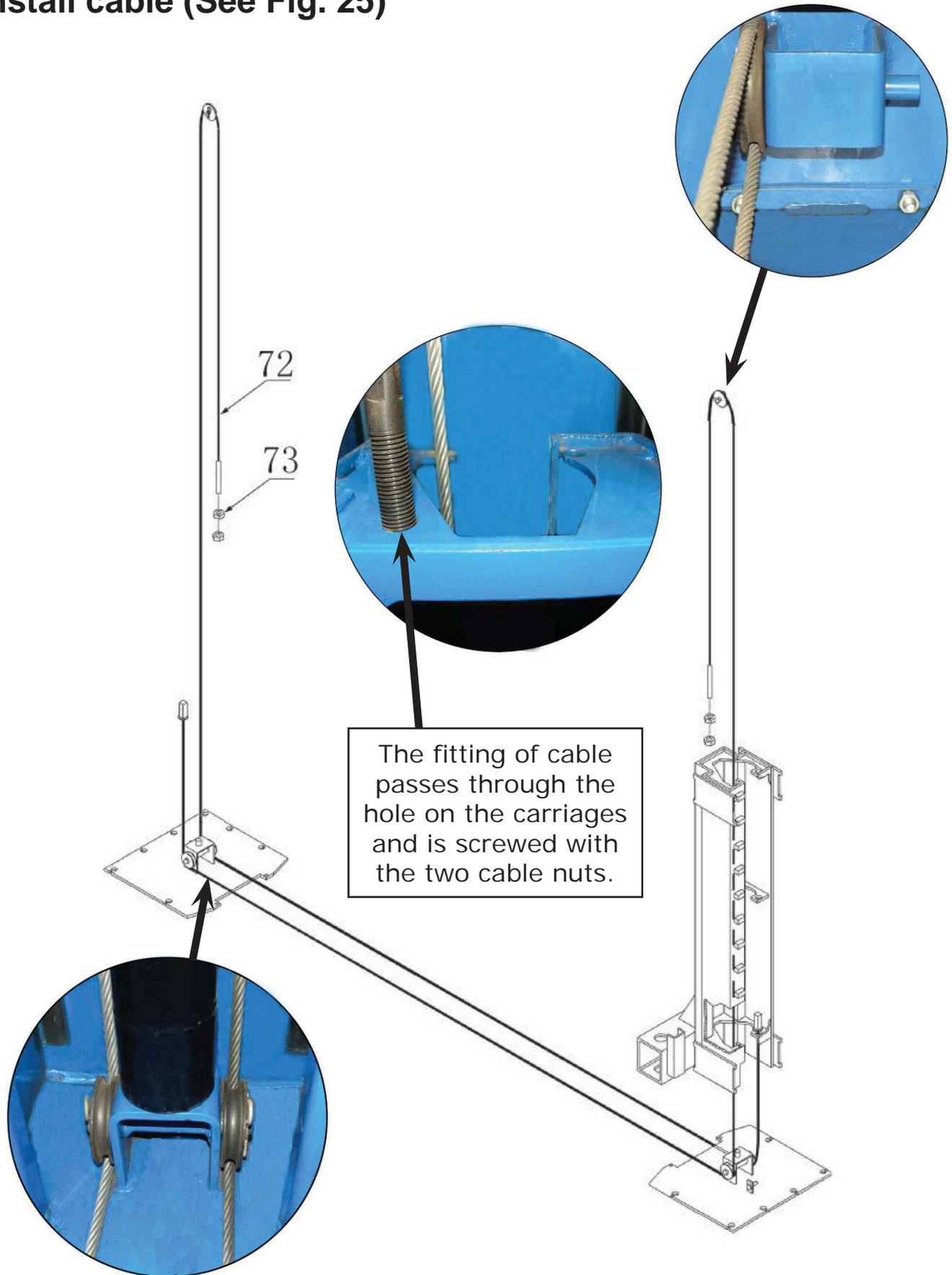


Fig. 25

J. Oil hose assembly. (See Fig. 26).

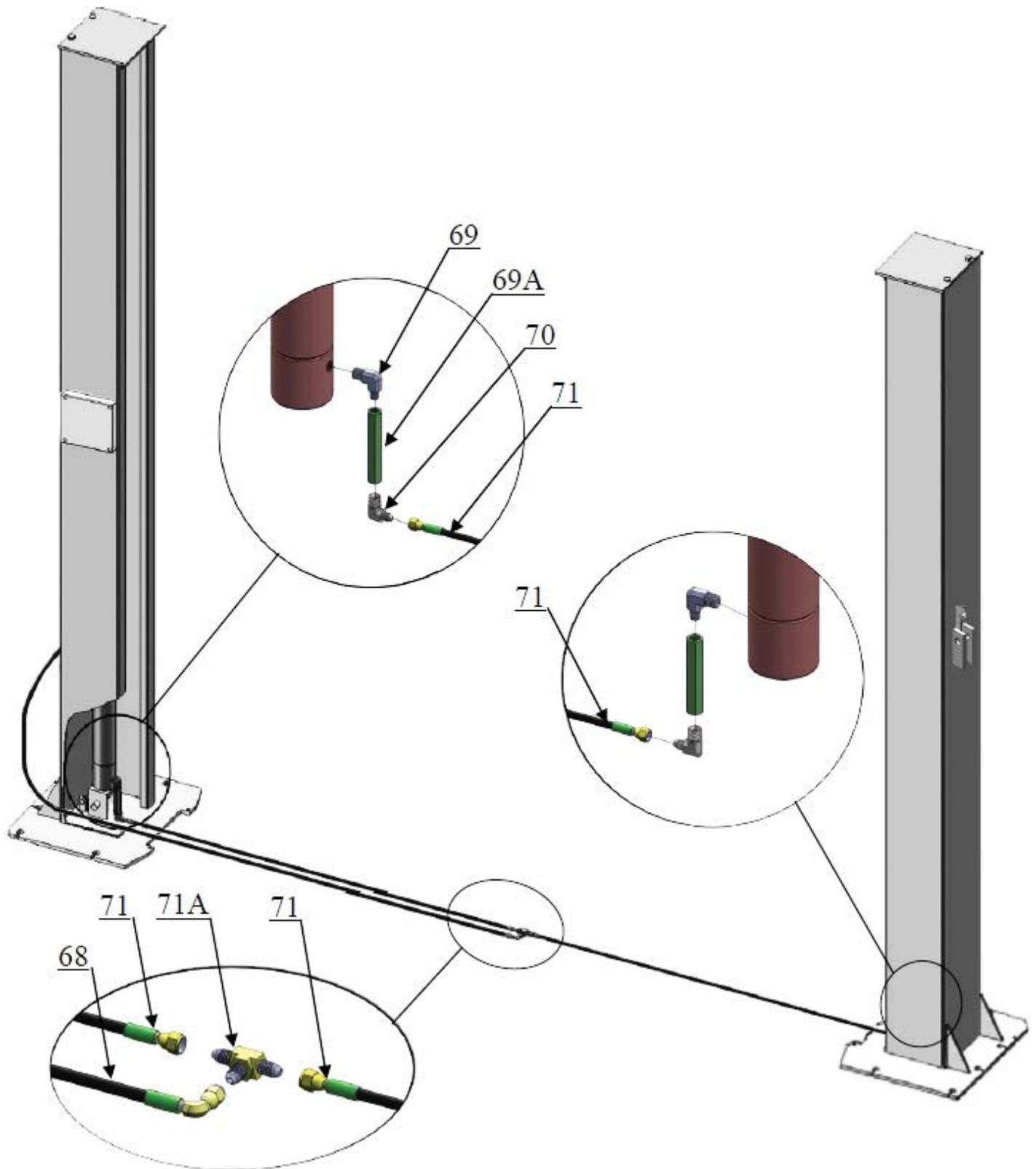


Fig. 26

K. Install hydraulic power unit and oil hose assembly. (See Fig. 27).

Tighten all the hydraulic fittings, and fill the reservoir with hydraulic oil (Appx. 3 gallons)

Note: Use AW32 or AW46 series hydraulic oil

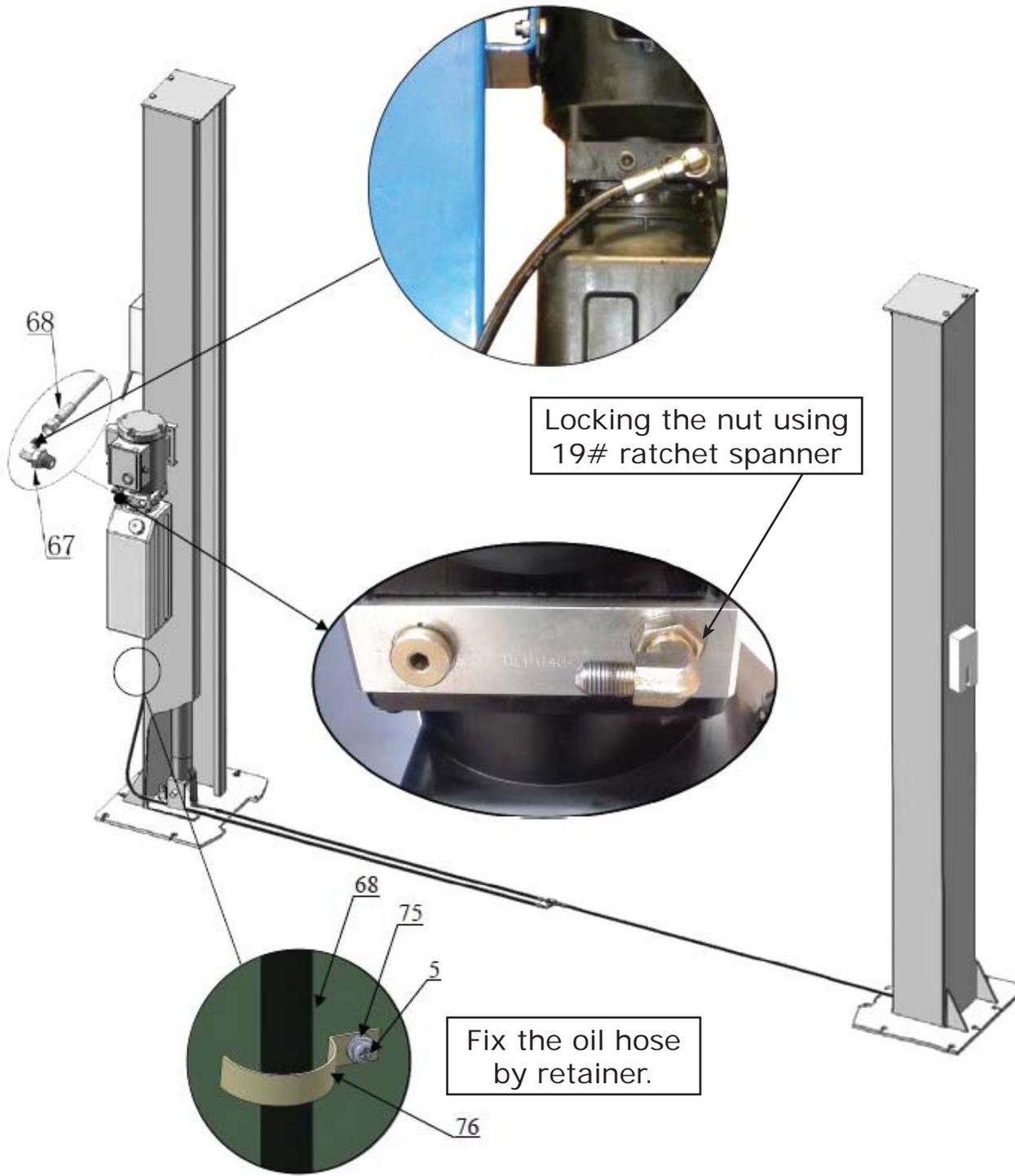


Fig. 27

L. Install safety device and safety cable (See Fig. 28).

NOTE: 1. Assemble safety cable from offside safety assembly.

2. Pay attention to the connecting direction of safety cable.

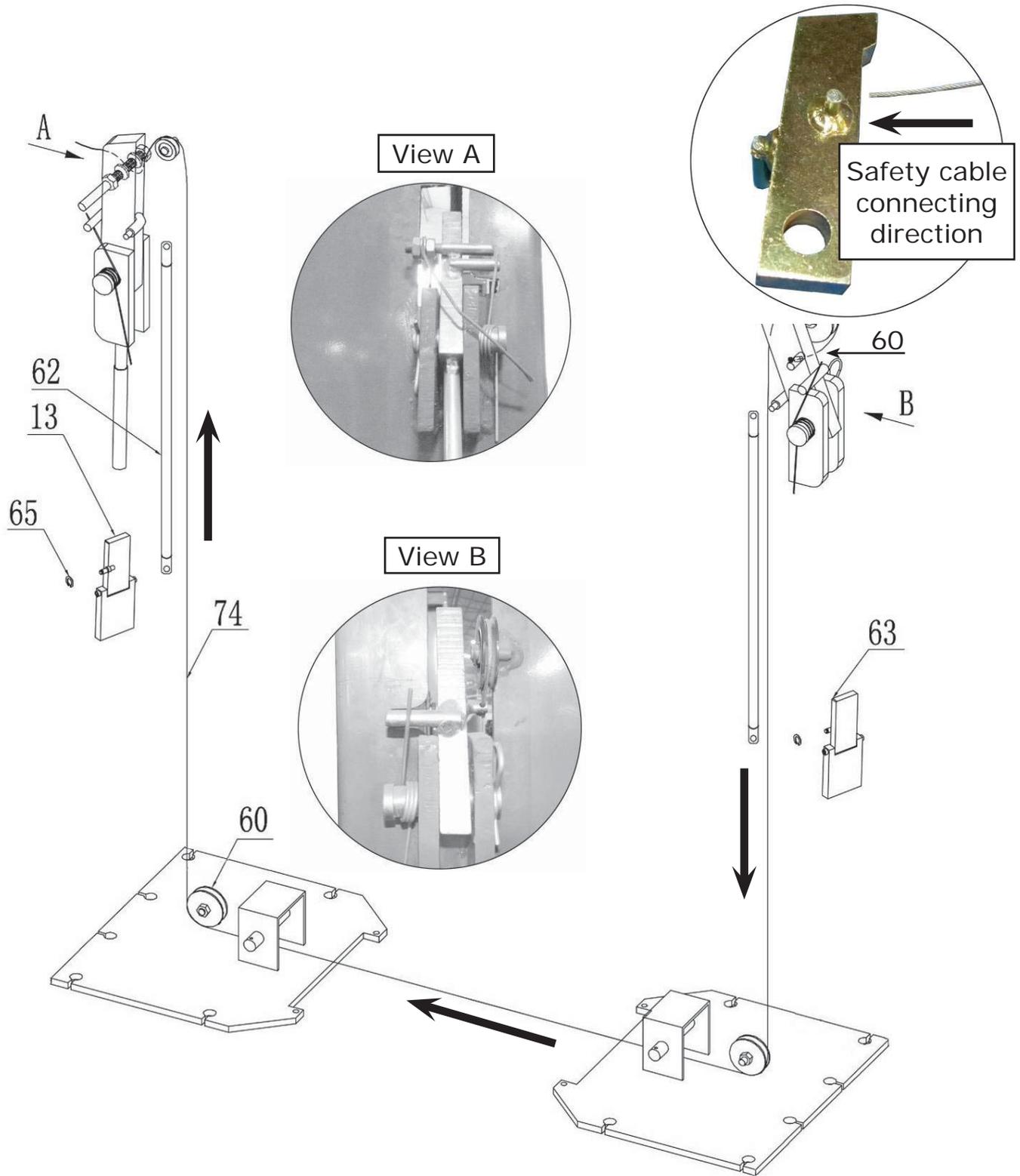


Fig. 28

M. Assemble floor cover and protective rubber sets (See Fig. 29).

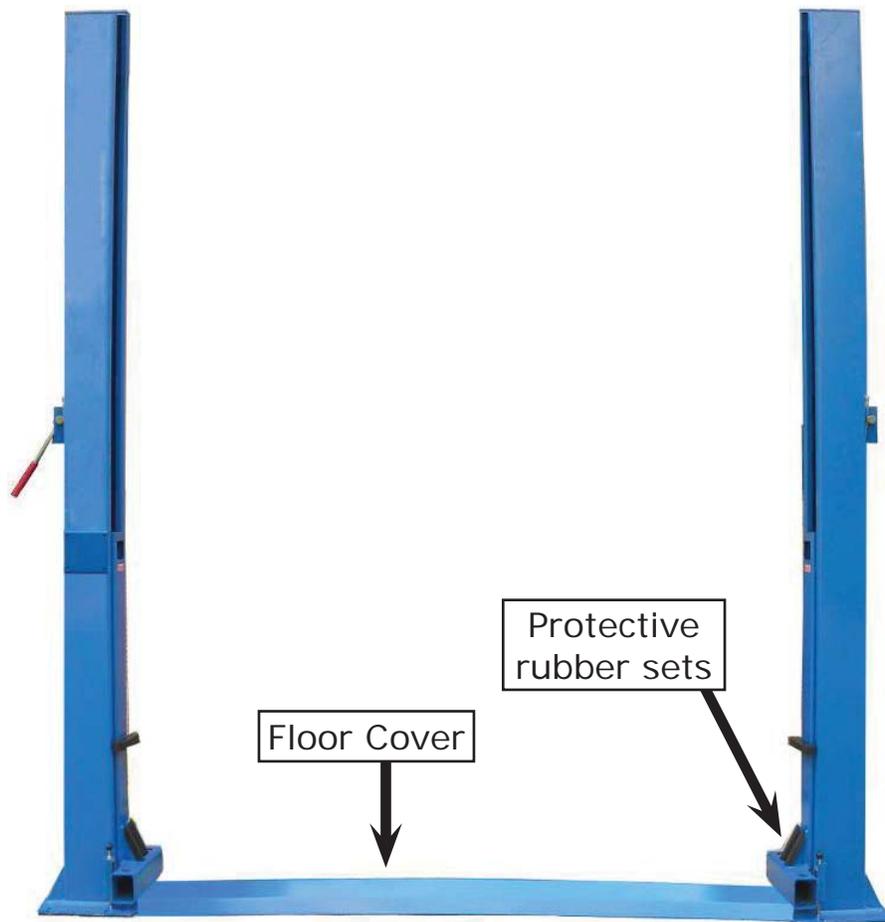


Fig. 29

N. Install lifting arms and adjust the arm locks

1. Install the lifting arms (See Fig. 30 & Fig. 31)

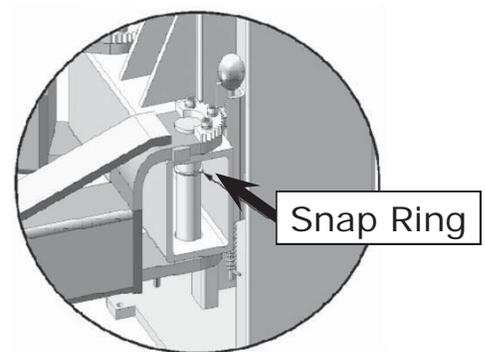
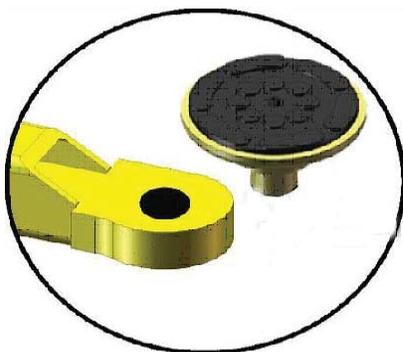


Fig. 30 - Model BP8000

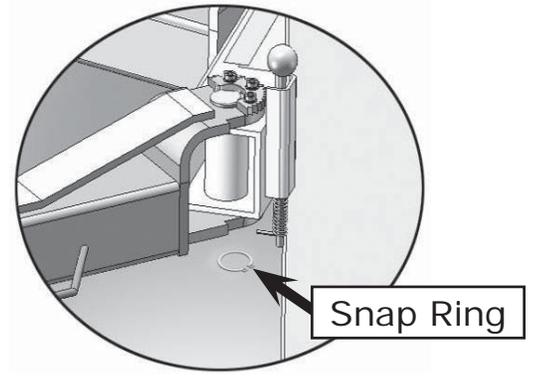
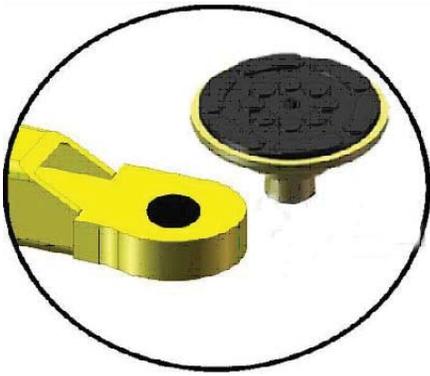


Fig. 31 - Model BP9000

2. Lower the carriages down to the lowest position, then use the 17# wrench to loosen the nut (See Fig. 32)

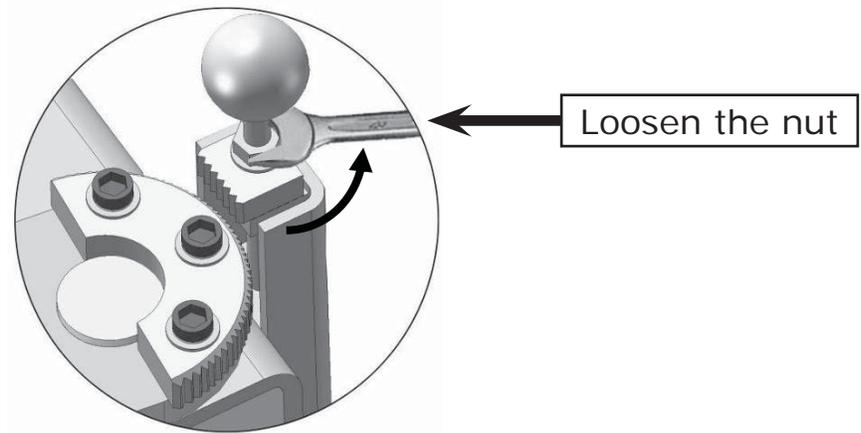


Fig. 32

3. Adjust the arm lock. Follow the arrow direction (See Fig. 33).

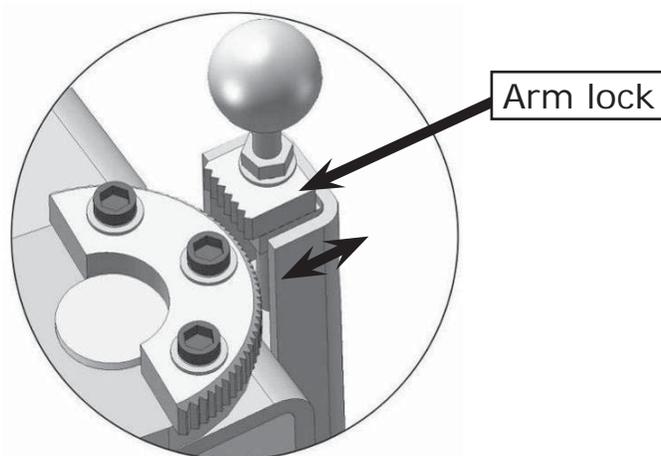


Fig. 33

4. Adjust the teeth of arm lock assembly. Make it mesh with the gear on the lifting arm. Tighten the hex bolts on the arm lock assembly (**See Fig. 34**).

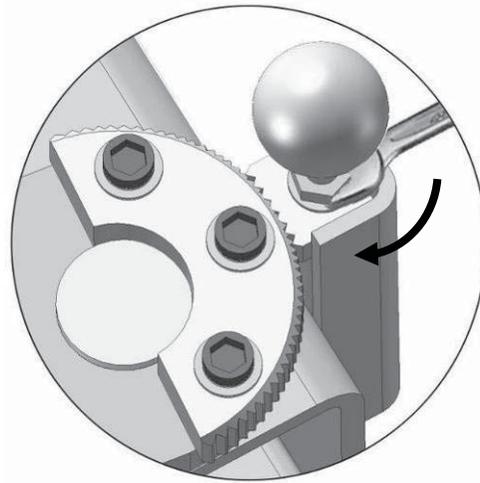


Fig. 34

O. Install Electrical System

Connect the power source as illustrated on the power unit data plate.

Note: For operational safety, the electrical wiring must have adequate ground.

ATLAS single phase motor(See Fig. 35).

1. Connect the two power supply lines (fire wire **L** and zero wire **N**) to terminals on the AC contactor marked **L1, L2**.
2. Connecting the two motor wires to terminals of AC contactor marked **T1, T2**.
3. Connecting **A2** to **L2** of AC contactor.
4. Two wires on the control button connect with terminals on the AC contactor marked **A1, L1**.

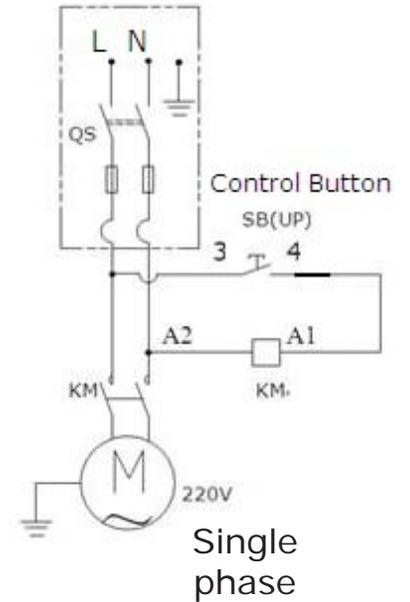
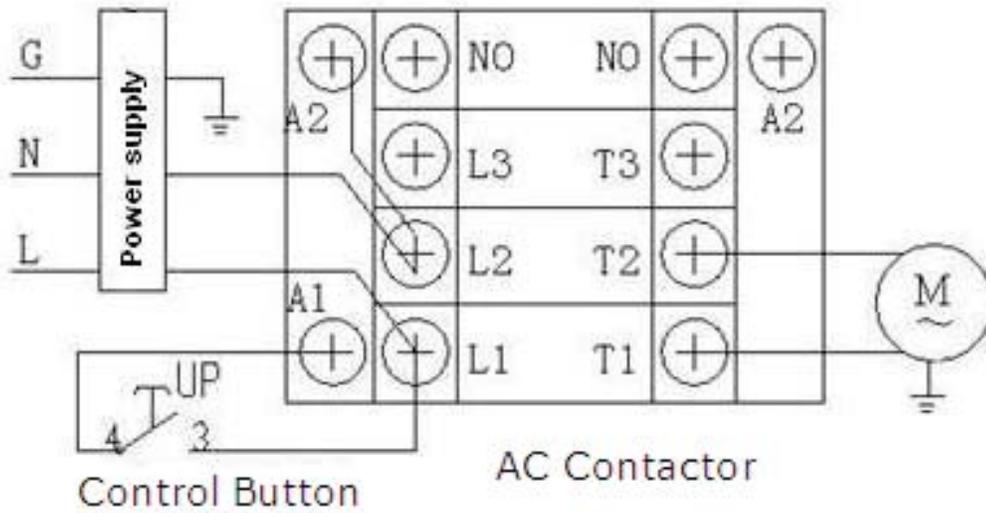


Fig. 35

SPX single phase motor for Model BP8000/BP9000 (See Fig. 36).

1. Power supply line (fire wire **L**) is connected with wire④ of control button.
2. Wire③ of control button is connected with wire⑥ of motor.
3. Power supply line (zero wire **N**) is connected with wire⑤ of motor.

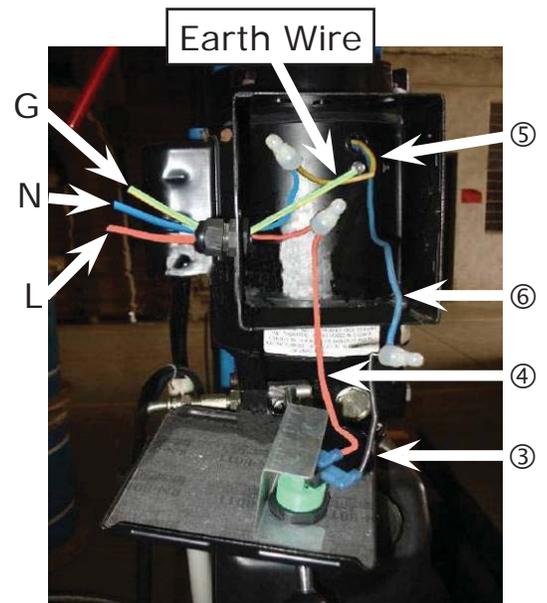
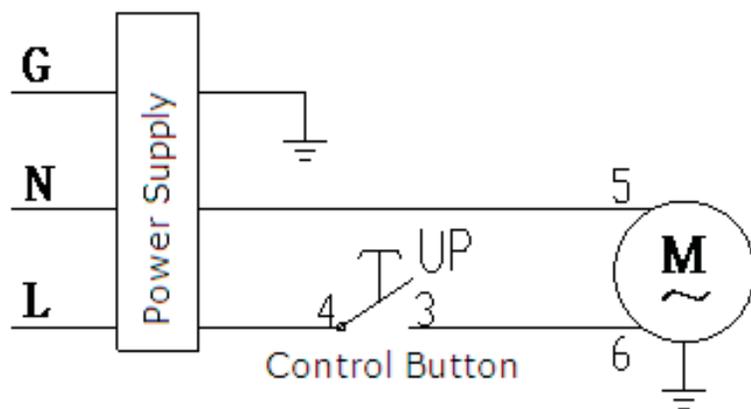


Fig. 36

Exploded View

Model BP8000

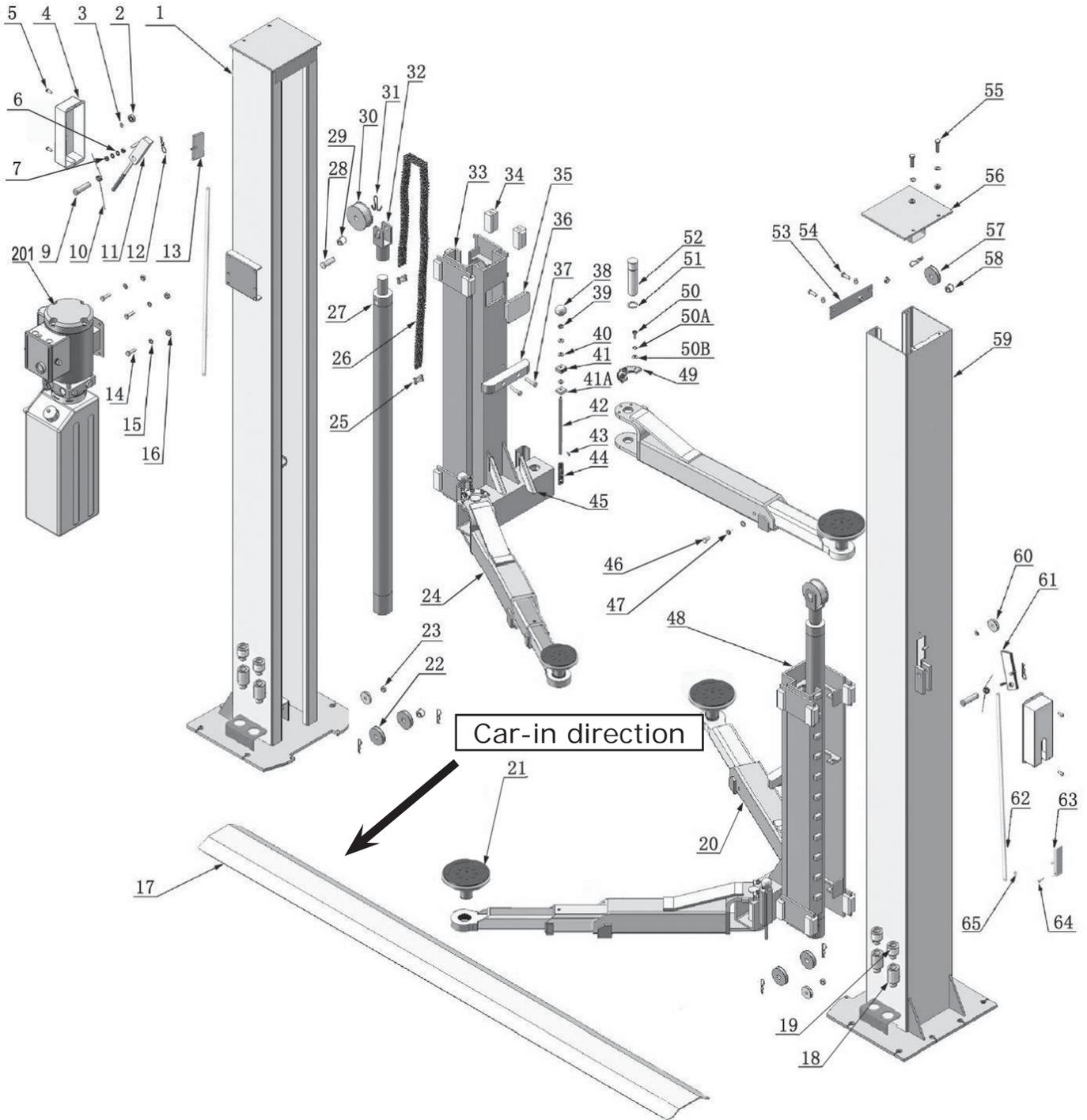


Fig. 37

Model BP9000

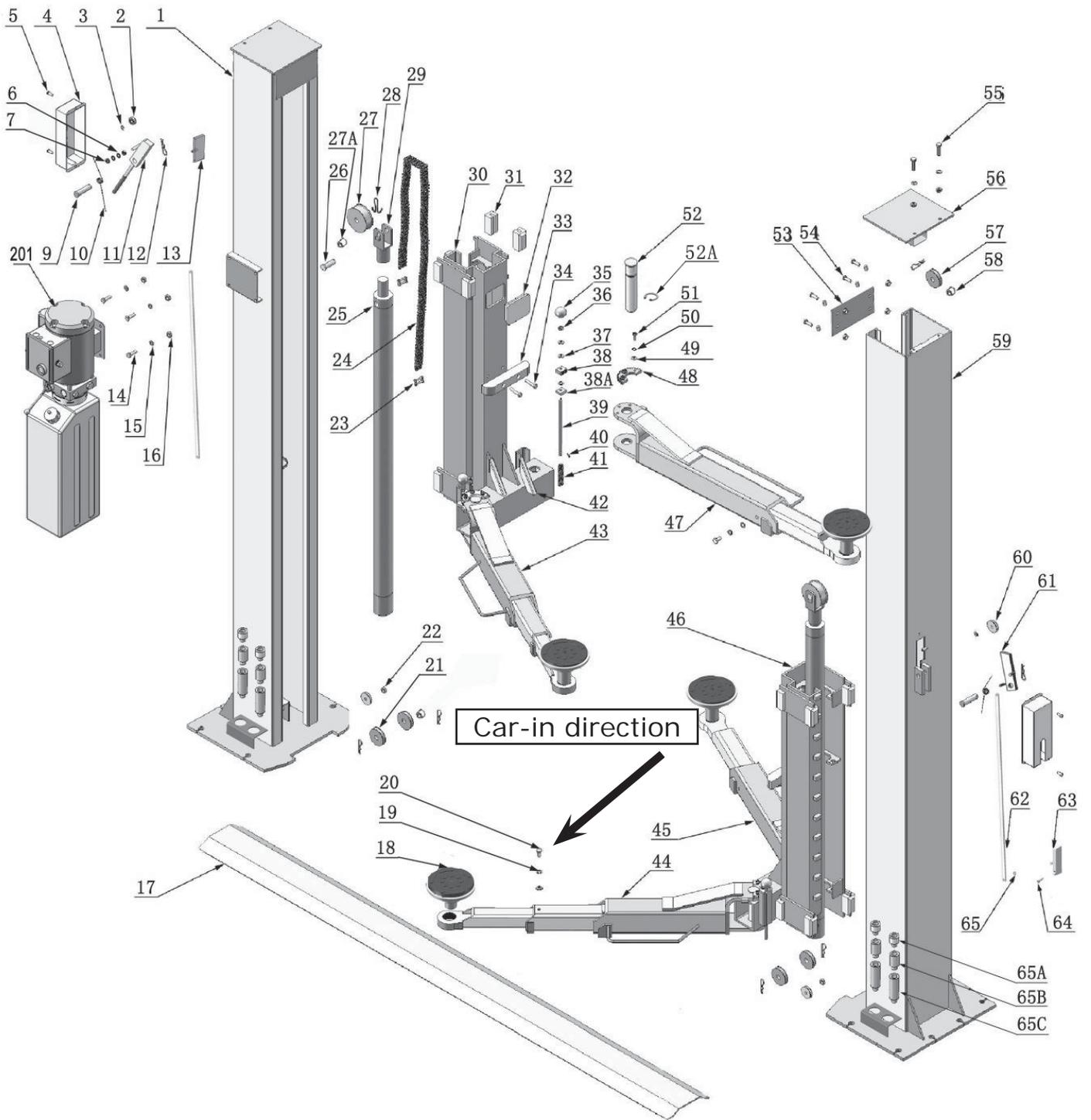


Fig. 38

Cylinders

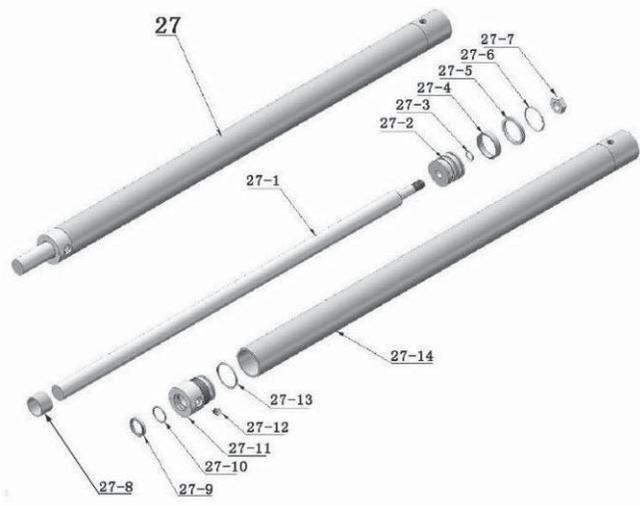


Fig. 39 - Model BP8000

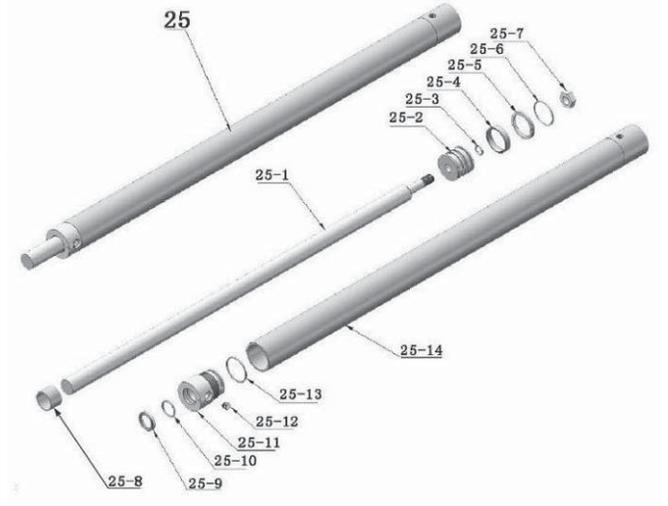
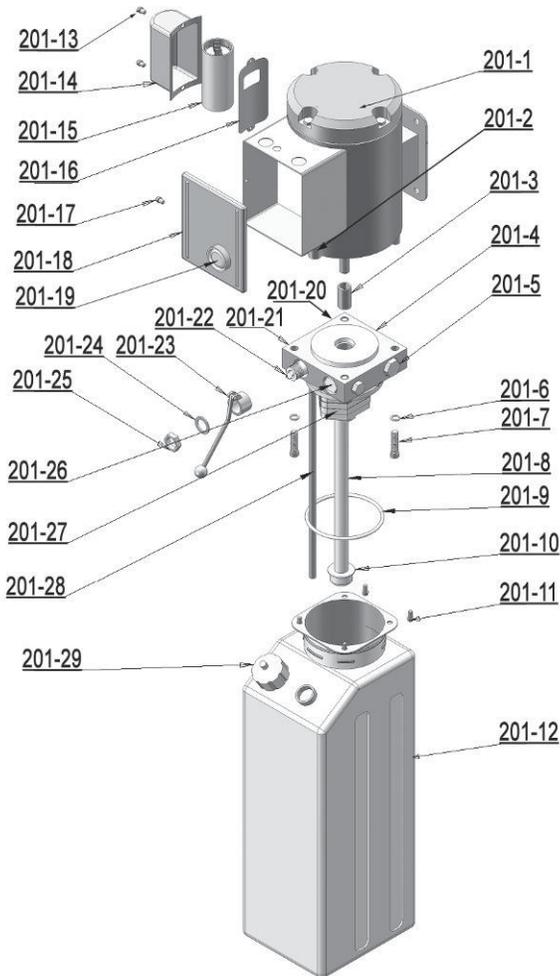


Fig. 40 - Model BP9000

SPX HYDRAULIC POWER UNIT



ATLAS HYDRAULIC POWER UNIT

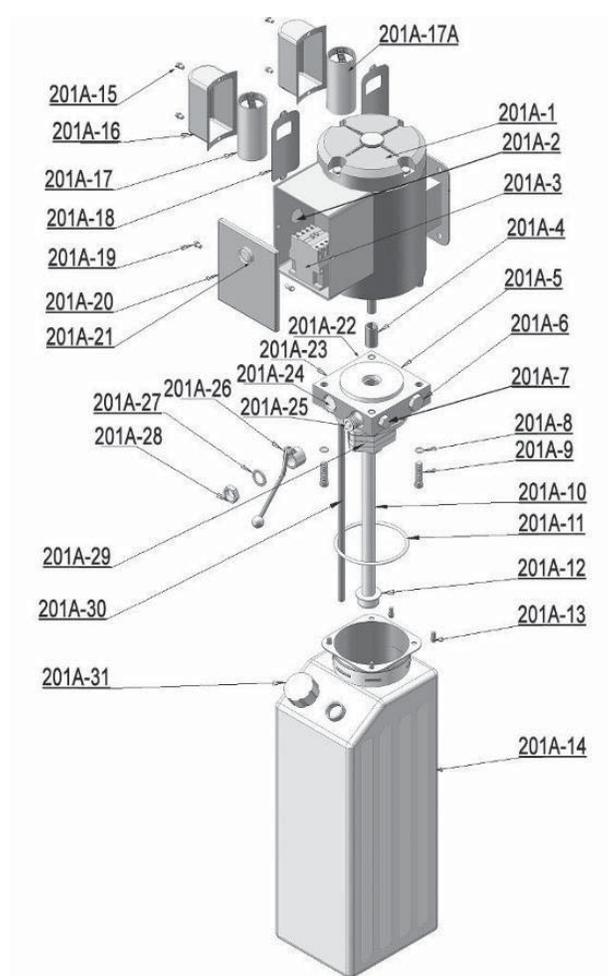


Fig. 41

Illustration of hydraulic valve for SPX & ATLAS hydraulic power units

a. SPX hydraulic power unit (See Fig. 42)



Fig. 42

b. ATLAS hydraulic power unit (See Fig. 43)

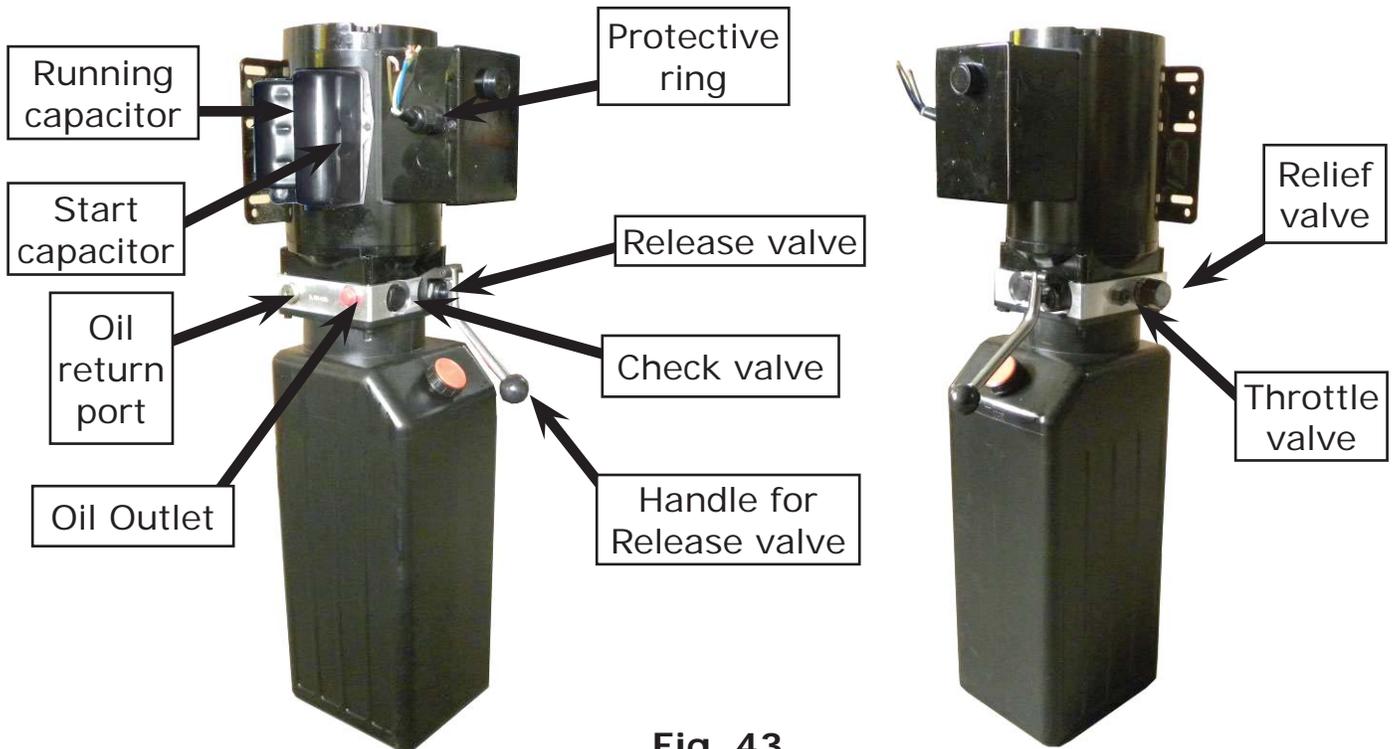


Fig. 43

Test Run

1. Adjust Synchronizing Cables (See Fig. 44)

Carriages must be on first set of locks. Use vise grips to hold the cable fitting, meanwhile, use a wrench to tighten the cable nut. Make sure the two cables have the same tension so the carriages lift at the same time. Install the plastic covers on the carriages.

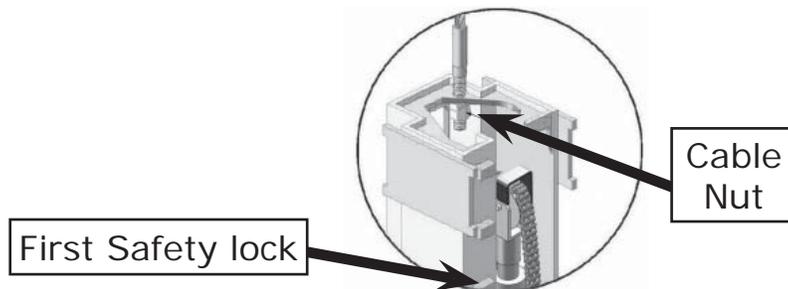


Fig. 44

**If the carriages do not synchronize when lifting, please read below:
(See Fig. 45 & Fig. 46)**

- a. Press **UP** button to lift the carriages up to the position where the first safety lock of one carriage is higher than the safety lock on the column. Lower the lift until the lower of the two carriages makes contact with the safety lock on the column.
- b. Loosen the safety lock cable. Release the safety lock on the side where the carriage is in the higher position. The other side of the safety lock should be engaged at this time. Then lower the lift, and the side with the carriage in the lower position will remain locked in the same place, and the other side (higher side) is unlocked. Continue to lower down the lift until the higher carriage is at the same level as the lower carriage.
- c. Loosen the jam nut on the higher carriage synchronizing cable and tighten the tension nut until the synchronizing cable has the same tension as the other synchronizing cable. Tighten the jam nut and safety cable.



Fig. 45

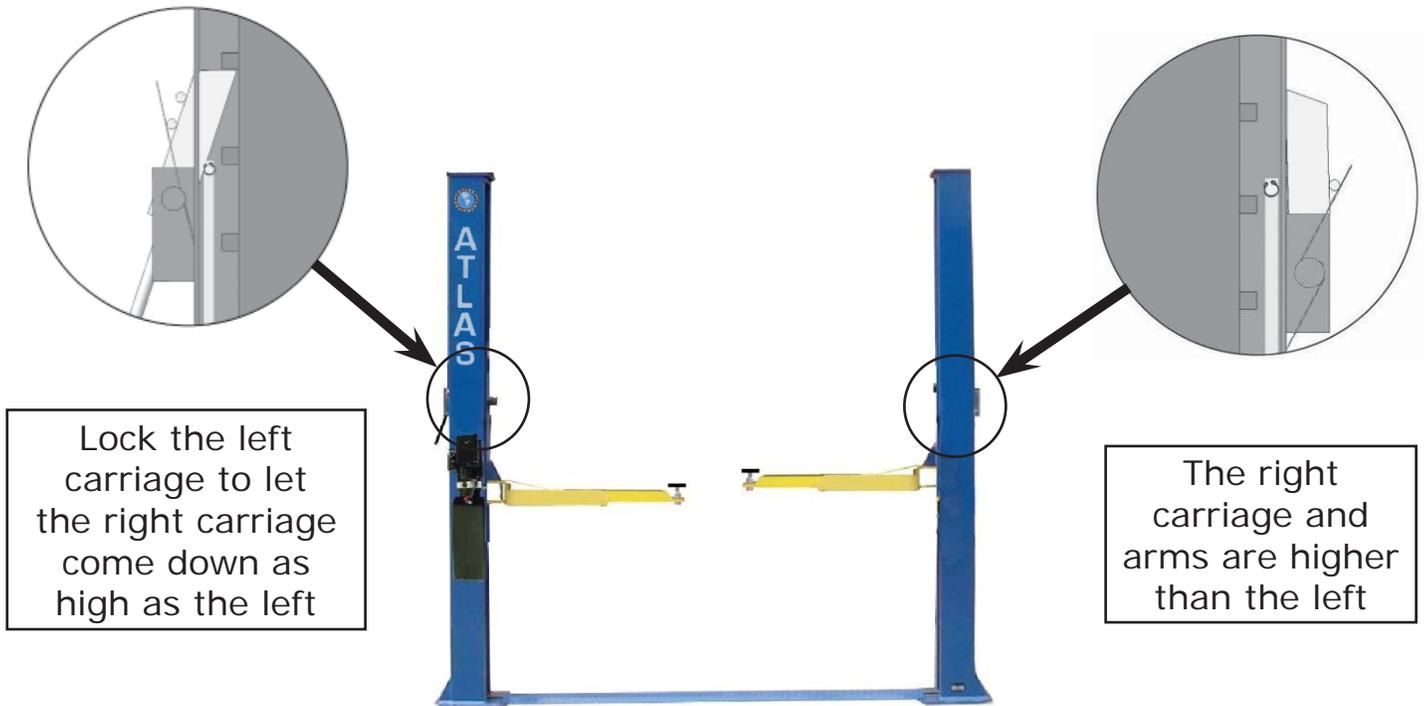


Fig. 46

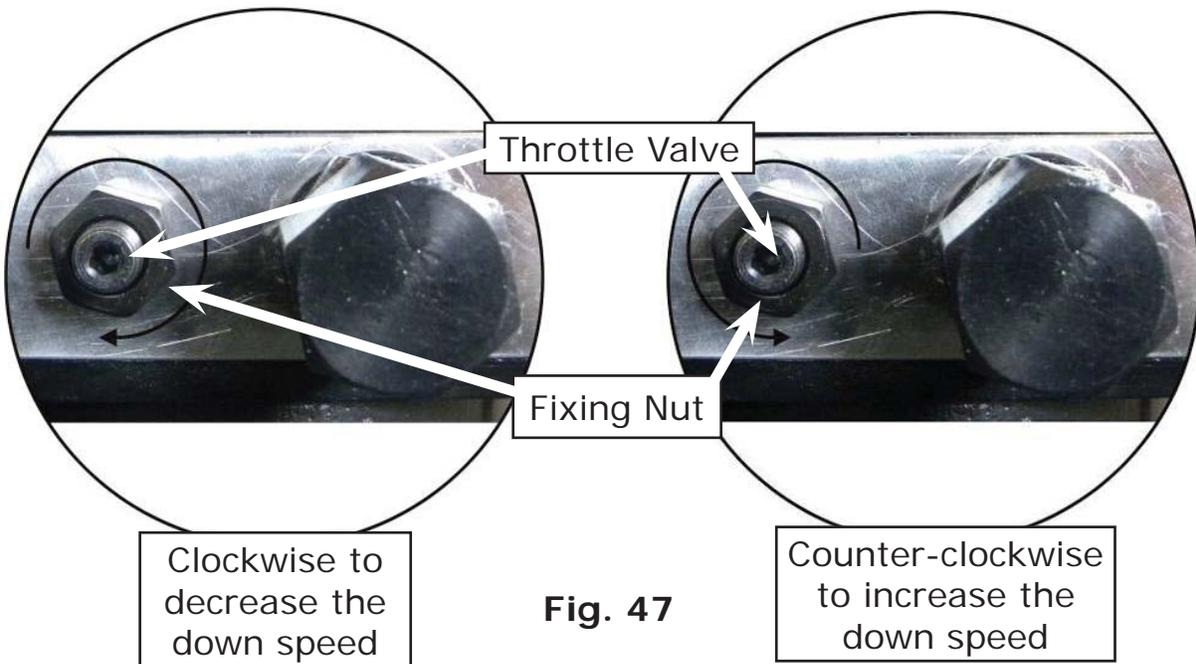
2. Adjust safety cable

Lift the carriage and lock at the same height, strain the Safety Cable and then release a little, and then tighten the cable locking nuts. Make sure the safety device functions properly.

3. Adjust the lower speed (Only for ATLAS power unit)

You can adjust the lowering speed of the lift if needed. Loosen the locking nut on the Throttle Valve and 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 lowering speed adjustment has been done.

Note: This procedure must be done with a load on the lift.



4. Test with load

After finishing the above adjustments test run the lift with load. Run the lift in the low position several times. Make sure the lift can raise and lower at the same time. Make sure the safety device can lock and release at the same time. Run the lift to the top completely.

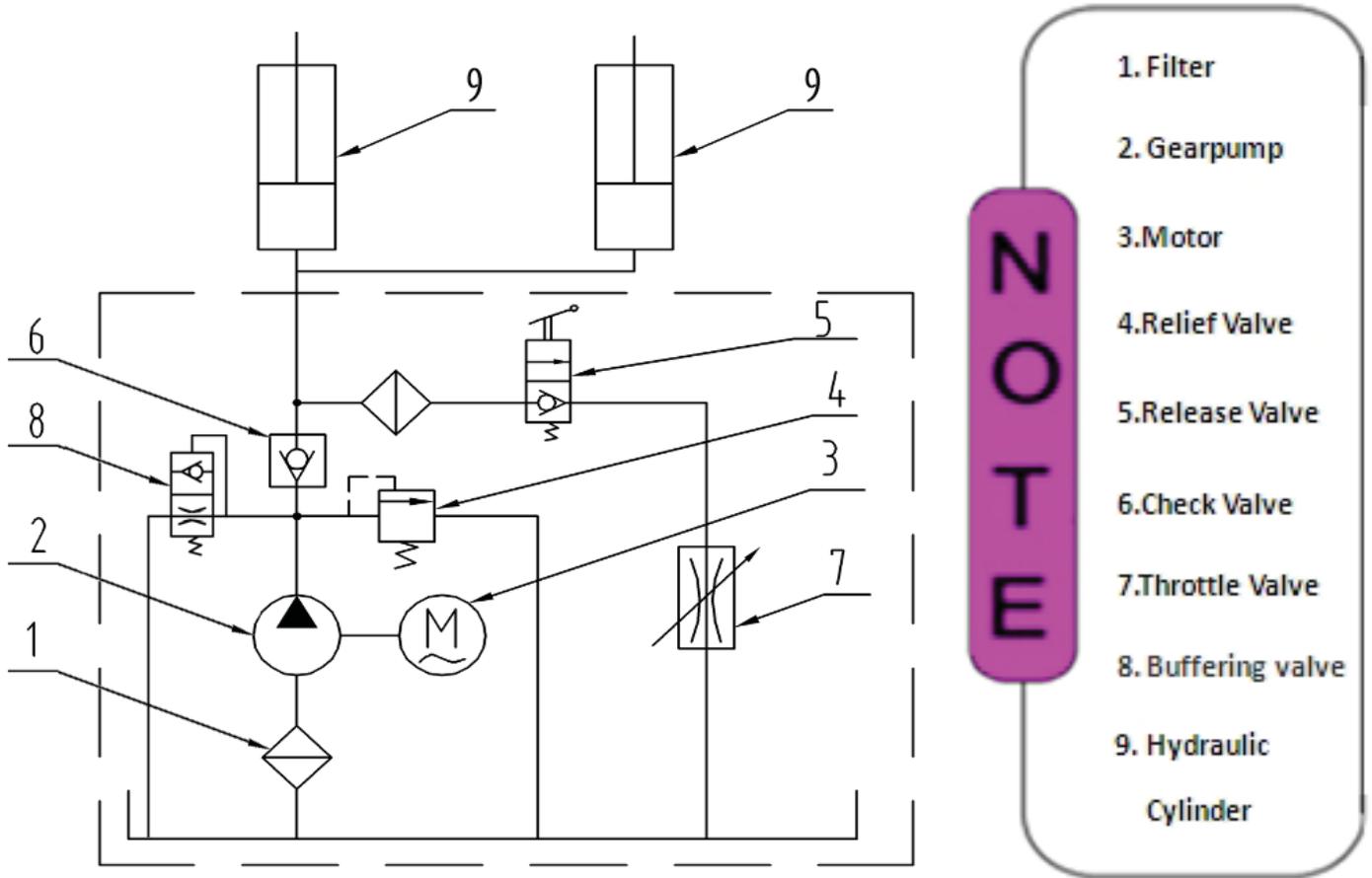


Fig. 48 Hydraulic System

Operation Instructions

Please read the safety tips carefully before operating the lift

To lift vehicle

1. Keep lift area clear of clutter;
2. Position lift arms to the lowest position;
3. Push lift arms all the way in;
4. Open lift arms;
5. Position vehicle between columns;
6. Move arms to the vehicle's lifting point;

Note: The four lift arms must make contact on the lifting points of the vehicle.

7. Press the **UP** button until the lift pads contact underside of vehicle totally.
Recheck to make sure vehicle is secure, centered, and not off balance;
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.

To lower vehicle

1. Keep the lift area free of clutter
2. Press the **UP** button to raise the vehicle slightly. Then release the safety lock device, lower the vehicle by pushing down the lowering handle while holding down the safety lock handle.
3. Open the arms and position them to the shortest length;
4. Drive the vehicle away.
5. Turn off the power.

Maintenance Schedule

Monthly:

1. Re-torque the anchor bolts to 80-117 foot lbs.;
2. Check all connectors, bolts and pins to insure 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 it is working properly;
6. Lubricate all Rollers and Pins with 90wt. Gear oil or equivalent;
7. Lubricate all 4 corners of the inside of the column as needed with White Lithium or something similar. This provides good coverage and saves the life of the wear blocks and keeps carriage true to column)

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 the equalizing tension of the cables to insure level lifting.
3. Check columns for plumb.
4. Check Rubber Pads and replace as necessary.
5. Check Safety locks for proper operation.

Troubleshooting

| 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. AC contactor burned out | <ol style="list-style-type: none"> 1. Replace button 2. Repair all wiring connections 3. Repair or replace motor 4. Repair or replace |
| 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 in damage 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 leak | 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 is in active. 2. Release valve is damaged 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 |

Parts Lists

Parts For Model BP8000

| Item | Part# | Description | Qty. | Note |
|------|---------|--------------------------|------|------|
| 1 | 205001B | Power side column | 1 | |
| 2 | 209011 | Plastic pulley | 1 | |
| 3 | 209010 | Snap ring | 2 | |
| 4 | 209008 | Safety cover | 2 | |
| 5 | 209009 | Cup head bolt | 6 | |
| 6 | 206006 | Washer | 2 | |
| 7 | 206023A | Hex nut | 2 | |
| 201 | 209002 | Manual power unit | 1 | |
| 9 | 209006 | Safety pin | 2 | |
| 10 | 209007 | Safety spring | 2 | |
| 11 | 203002 | Power side safety lock | 1 | |
| 12 | 209012 | Hair pin | 8 | |
| 13 | 203015 | Safety block (Main) | 1 | |
| 14 | 209003 | Hex bolt | 4 | |
| 15 | 209004 | Rubber ring | 4 | |
| 16 | 209005 | Self locking nut | 8 | |
| 17 | 205002 | Floor cover | 1 | |
| 18 | 209052B | Stackable Adapter (2.5") | 4 | |
| 19 | 209051B | Stackable Adapter (1.5") | 4 | |

| Item | Part# | Description | Qty. | Note |
|-------------|--------------|------------------------------|-------------|-------------|
| 20 | 201039B | Lifting Arm-Rear | 2 | |
| 20A | 201050 | Outer Arm-Rear | 2 | |
| 20B | 201051A | Inner Arm-Rear | 2 | |
| 21 | 201046A | Rubber Pad Assembly | 4 | |
| 21A | 420138 | Socket bolt | 4 | |
| 21B | 209134 | Rubber Pad | 4 | |
| 21C | 680030C | Rubber Pad Frame | 4 | |
| 22 | 209057 | Small pulley | 4 | |
| 23 | 209056 | Self locking nut | 2 | |
| 24 | 201043A | Lifting Arm-Front | 2 | |
| 24A | 201047 | Outer Arm-Front | 2 | |
| 24B | 201048 | Middle Arm-Front | 2 | |
| 24C | 201049A | Inner Arm-Front | 2 | |
| 25 | 201010A | Chain connector | 4 | |
| 26 | 201009A | Chain | 2 | |
| 27 | 201008A | Hydraulic cylinder | 2 | |
| 28 | 201007A | Pin for chain pulley | 2 | |
| 29 | 203004A | Bronze bush for chain pulley | 4 | |
| 30 | 201006 | Chain pulley | 2 | |
| 31 | 201005 | Split pin | 2 | |
| 32 | 201004 | Chain pulley assembly | 2 | |
| 33 | 205003 | Power side Carriage | 1 | |
| 34 | 206044 | Slider | 16 | |
| 35 | 209016 | Carriage plastic cover | 2 | |

| Item | Part# | Description | Qty. | Note |
|-------------|--------------|-----------------------|-------------|-------------|
| 36 | 206045 | Protective rubber | 2 | |
| 37 | 206046 | Self-tapping screw | 4 | |
| 38 | 209020 | Plastic ball | 4 | |
| 39 | 209021 | Hex nut | 8 | |
| 40 | 209022 | Washer | 10 | |
| 41 | 209023A | Arm lock | 4 | |
| 41A | 210041 | Limit Ring | 4 | |
| 42 | 209024 | Arm lock bar | 4 | |
| 43 | 209025 | Hair pin | 4 | |
| 44 | 209026 | Spring | 4 | |
| 45 | 209027 | Protective rubber set | 4 | |
| 46 | 209038 | Hex bolt | 6 | |
| 47 | 209039 | Lock washer | 10 | |
| 48 | 205004 | Offside carriage | 1 | |
| 49 | 209035 | Moon gear | 4 | |
| 50 | 209032 | Socket bolt | 12 | |
| 50A | 209034 | Lock washer | 12 | |
| 50B | 209033 | Washer | 16 | |
| 51 | 209031 | Snap ring | 4 | |
| 52 | 209030A | Lifting Arm Pin | 4 | |
| 53 | 205005 | Connecting Bar | 2 | |
| 54 | 209043 | Hex Bolt | 4 | |
| 55 | 209046 | Hex Bolt | 4 | |
| 56 | 205006 | Top plate | 2 | |

| Item | Part# | Description | Qty. | Note |
|--------------------------------------|---------|----------------------------|------|------|
| 57 | 209045 | Big Pulley | 2 | |
| 58 | 209057A | Bronze bushing for pulley | 6 | |
| 59 | 205007B | Offside column | 1 | |
| 60 | 209049 | Plastic pulley | 3 | |
| 61 | 203012 | Offside safety lock | 1 | |
| 62 | 203013 | Coupling | 2 | |
| 63 | 203014 | Safety Block (Secondly) | 1 | |
| 64 | 203018 | Socket Bolt | 4 | |
| 65 | 203016 | Snap Ring | 4 | |
| 66 | 209059B | Anchor bolt | 12 | |
| Oil Hose, Fitting & Cable | | | | |
| 67 | 209060 | 90° Fitting for Power Unit | 1 | |
| 68 | 201081 | Oil hose | 1 | |
| 69 | 207024 | 90° Fitting | 2 | |
| 69A | 201082 | Extended Straight Fitting | 2 | |
| 70 | 420097 | 90° Fitting | 2 | |
| 71 | 207034 | Oil Hose | 2 | |
| 71A | 211016 | T Fitting | 1 | |
| 72 | 205009 | Cable | 2 | |
| 73 | 209066 | Cable Nut | 4 | |
| 74 | 205010 | Safety Cable | 1 | |
| 75 | 420045 | Washer | 2 | |
| 76 | 217048 | Retainer | 2 | |
| 77 | 205500A | Parts Box | 1 | |

| Item | Part# | Description | Qty. | Note |
|-------------------------------------|---------|-----------------|------|------|
| Parts For Hydraulic Cylinder | | | | |
| 27-1 | 201027A | Piston Rod | 2 | |
| 27-2 | 201028 | Piston | 2 | |
| 27-3 | 206069 | O-Ring | 2 | |
| 27-4 | 201029 | Support Ring | 2 | |
| 27-5 | 201030 | Y-Ring | 2 | |
| 27-6 | 201031 | O-Ring | 2 | |
| 27-7 | 206071 | Hex Nut | 2 | |
| 27-8 | 201037 | Adjustment Tube | 2 | |
| 27-9 | 209078 | Dust Seal | 2 | |
| 27-10 | 201032 | O-Ring | 2 | |
| 27-11 | 201033 | Head Cap | 2 | |
| 27-12 | 201034 | Bleeding Plug | 2 | |
| 27-13 | 201035 | O-Ring | 2 | |
| 27-14 | 201036A | Bore Weldment | 2 | |

Parts For Model BP9000

| Item | Part# | Description | Qty. | Note |
|------|---------|------------------------|------|------|
| 1 | 203001B | Power side column | 1 | |
| 2 | 209011 | Plastic Pulley | 1 | |
| 3 | 209010 | Snap Ring | 2 | |
| 4 | 209008 | Safety Cover | 2 | |
| 5 | 209009 | Cup Head Bolt | 6 | |
| 6 | 206006 | Washer | 2 | |
| 7 | 206023A | Hex Nut | 2 | |
| 201 | 209002 | Manual Power Unit | 1 | |
| 9 | 206002 | Safety Pin | 2 | |
| 10 | 209007 | Safety Spring | 2 | |
| 11 | 203002 | Power side Safety Lock | 1 | |
| 12 | 209012 | Hair Pin | 8 | |
| 13 | 203015 | Safety Block (Main) | 1 | |
| 14 | 209003 | Hex Bolt | 4 | |
| 15 | 209004 | Rubber Ring | 4 | |
| 16 | 209005 | Self locking nut | 8 | |
| 17 | 203003 | Floor Cover | 1 | |
| 18 | 201046A | Rubber Pad Assembly | 4 | |
| 18A | 420138 | Socket bolt | 4 | |
| 18B | 209134 | Rubber Pad | 4 | |
| 18C | 680030C | Rubber Pad Frame | 4 | |
| 19 | 209039 | Lock Washer | 10 | |
| 20 | 209038 | Hex Bolt | 6 | |
| 21 | 209057 | Small Pulley | 4 | |
| 22 | 209056 | Self locking nut | 2 | |
| 23 | 201010 | Chain Connector | 4 | |
| 24 | 203005 | Chain | 2 | |
| 25 | 201008 | Hydraulic Cylinder | 2 | |

| Item | Part# | Description | Qty. | Note |
|------|---------|------------------------------|------|------|
| 26 | 203040 | Pin For Chain Pulley | 2 | |
| 27 | 203004 | Chain Pulley | 2 | |
| 27A | 203004A | Bronze bush for Chain Pulley | 4 | |
| 28 | 201005 | Split Pin | 2 | |
| 29 | 201004 | Chain Pulley Assembly | 2 | |
| 30 | 203007 | Power side Carriage | 1 | |
| 31 | 206044 | Slider | 16 | |
| 32 | 209016 | Carriage Plastic Cover | 2 | |
| 33 | 206045 | Protective Rubber | 2 | |
| 34 | 206046 | Self-tapping Screw | 4 | |
| 35 | 209020 | Plastic Ball | 4 | |
| 36 | 209021 | Hex Nut | 8 | |
| 37 | 209022 | Washer | 10 | |
| 38 | 209023A | Arm lock | 4 | |
| 38A | 201041 | Limit Ring | 4 | |
| 39 | 209024 | Arm Lock Bar | 4 | |
| 40 | 209025 | Hair Pin | 4 | |
| 41 | 209026 | Spring | 4 | |
| 42 | 209027 | Protective Rubber Set | 4 | |
| 43 | 209029A | Lifting Arm - Front Right | 1 | |
| 43A | 209137 | Outer Arm - Front Right | 1 | |
| 43B | 206088 | Middle Arm - Front Right | 1 | |
| 43C | 206089A | Inner Arm - Front Right | 1 | |
| 44 | 209036A | Lifting Arm - Front Left | 1 | |
| 44A | 209177 | Outer Arm - Front Left | 1 | |
| 44B | 206093 | Middle Arm - Front Left | 1 | |
| 44C | 206089A | Inner Arm - Front Left | 1 | |
| 45 | 203044A | Lifting Arm - Rear Left | 1 | |
| 45A | 203046 | Outer Arm - Rear Left | 1 | |

| Item | Part# | Description | Qty. | Note |
|------|---------|--------------------------|------|------|
| 45B | 203047A | Inner Arm - Rear Left | 1 | |
| 46 | 203008 | Offside Carriage | 1 | |
| 47 | 203045A | Lifting Arm - Rear Right | 1 | |
| 47A | 203048 | Outer Arm - Rear Right | 1 | |
| 47B | 203049A | Inner Arm - Rear Right | 1 | |
| 48 | 209035 | Moon Gear | 4 | |
| 49 | 209033 | Washer | 20 | |
| 50 | 209034 | Lock Washer | 12 | |
| 51 | 209032 | Socket Bolt | 12 | |
| 52 | 203105A | Arm Pin | 4 | |
| 52A | 520023 | Snap ring | 4 | |
| 53 | 203009 | Connecting Bar | 2 | |
| 54 | 209043 | Hex Bolt | 8 | |
| 55 | 209046 | Hex Bolt | 4 | |
| 56 | 203010 | Top plate | 2 | |
| 57 | 209045 | Big Pulley | 2 | |
| 58 | 209057A | Bronze Bush For Pulley | 6 | |
| 59 | 203011B | Offside column | 1 | |
| 60 | 209049 | Plastic Pulley | 3 | |
| 61 | 203012 | Offside Safety Lock | 1 | |
| 62 | 203013 | Coupling | 2 | |
| 63 | 203014 | Safety Block (Secondly) | 1 | |
| 64 | 203018 | Socket Bolt | 4 | |
| 65 | 203016 | Snap Ring | 4 | |
| 65A | 209051B | Stackable Adapter (1.5") | 4 | |
| 65B | 209052B | Stackable Adapter (2.5") | 4 | |
| 65C | 209053B | Stackable Adapter (5") | 4 | |
| 66 | 209059B | Anchor bolt | 12 | |
| 67 | 209060 | 90° Fitting | 1 | |

| Item | Part# | Description | Qty. | Note |
|--------------------------------------|---------|---------------------------|------|------|
| Oil Hose, Fitting & Cable | | | | |
| 68 | 201081 | Oil Hose | 1 | |
| 69 | 207024 | 90° Fitting | 2 | |
| 69A | 201082 | Extended Straight Fitting | 2 | |
| 70 | 420097 | 90° Fitting | 2 | |
| 71 | 203109 | Oil Hose | 2 | |
| 71A | 211016 | T Fitting | 1 | |
| 72 | 203020 | Cable | 2 | |
| 73 | 209066 | Cable But | 4 | |
| 74 | 203021 | Safety Cable | 1 | |
| 75 | 420045 | Washer | 2 | |
| 76 | 217048 | Retainer | 2 | |
| 77A | 203501B | Parts Box | 1 | |
| Parts For Hydraulic Cylinder | | | | |
| 25-1 | 201027 | Piston Rod | 2 | |
| 25-2 | 201028 | Piston | 2 | |
| 25-3 | 206069 | O-Ring | 2 | |
| 25-4 | 201029 | Support Ring | 2 | |
| 25-5 | 201030 | Y-Ring | 2 | |
| 25-6 | 201031 | O-Ring | 2 | |
| 25-7 | 206071 | Hex Nut | 2 | |
| 25-8 | 201037 | Adjustment Tube | 2 | |
| 25-9 | 209078 | Dust Seal | 2 | |
| 25-10 | 201032 | O-Ring | 2 | |
| 25-11 | 201033 | Head Cap | 2 | |
| 25-12 | 201034 | Bleeding Plug | 2 | |
| 25-13 | 201035 | O-Ring | 2 | |
| 25-14 | 201036 | Bore Weldment | 2 | |

Parts For Hydraulic Power Units

| Parts For SPX Hydraulic Power Unit | | | | |
|------------------------------------|--------|-----------------------------|------|------|
| Item | Part# | Description | Qty. | Note |
| 201-1 | 209082 | Motor | 1 | |
| 201-2 | 209109 | Protective Ring | 1 | |
| 201-3 | 209083 | Motor Connecting Shaft | 1 | |
| 201-4 | 209084 | Valve Body | 1 | |
| 201-5 | 209085 | Relief Valve | 1 | |
| 201-6 | 209086 | Lock Washer | 4 | |
| 201-7 | 209087 | Socket Bolt | 4 | |
| 201-8 | 209088 | Inlet Pipe | 1 | |
| 201-9 | 209089 | O-Ring | 1 | |
| 201-10 | 209090 | Filter | 1 | |
| 201-11 | 209091 | Hex bolt | 4 | |
| 201-12 | 209092 | Reservoir | 1 | |
| 201-13 | 209093 | Bolt | 2 | |
| 201-14 | 209094 | Cover of Capacitor | 1 | |
| 201-15 | 209095 | Capacitor | 1 | |
| 201-16 | 209096 | Rubber Gasket | 1 | |
| 201-17 | 209097 | Hex bolt | 1 | |
| 201-18 | 209098 | Cover of Motor Terminal Box | 1 | |
| 201-19 | 209099 | Push Button | 1 | |
| 201-20 | 209110 | Oil Return Port | 1 | |
| 201-21 | 209100 | Oil Outlet | 1 | |
| 201-22 | 209101 | Release Valve | 1 | |

| | | | | |
|--------|--------|--------------------------|---|--|
| 201-23 | 209102 | Handle For Release Valve | 1 | |
| 201-24 | 209103 | Washer | 1 | |
| 201-25 | 209104 | Hex Nut | 1 | |
| 201-26 | 209105 | Check Valve | 1 | |
| 201-27 | 209106 | Gear Pump | 1 | |
| 201-28 | 209107 | Oil Return Pipe | 1 | |
| 201-29 | 209108 | Filler Cap | 1 | |

| Parts For ATLAS Hydraulic Power Unit | | | | |
|---|--------------|---------------------------|-------------|-------------|
| Item | Part# | Description | Qty. | Note |
| 201A-1 | 209082A | Motor | 1 | |
| 201A-2 | 209109 | Protective Ring | 1 | |
| 201A-3 | 209112 | AC contactor | 1 | |
| 201A-4 | 209083A | Motor Connecting Shaft | 1 | |
| 201A-5 | 209084A | Valve Body | 1 | |
| 201A-6 | 209085A | Relief Valve | 1 | |
| 201A-7 | 209113 | Throttle valve | 1 | |
| 201A-8 | 209086A | Lock Washer | 4 | |
| 201A-9 | 209087A | Socket Bolt | 4 | |
| 201A-10 | 209088A | Inlet Pipe | 1 | |
| 201A-11 | 209089A | O-Ring | 1 | |
| 201A-12 | 209090A | Filter | 1 | |
| 201A-13 | 209091A | Socket bolt | 4 | |
| 201A-14 | 209092A | Reservoir | 1 | |
| 201A-15 | 209093A | Cup Head Bolt with washer | 4 | |
| 201A-16 | 209094A | Cover of Capacitor | 2 | |

| | | | | |
|----------|---------|-----------------------------|---|--|
| 201A-17 | 209095A | Start Capacitor | 1 | |
| 201A-17A | 209095B | Run Capacitor | 1 | |
| 201A-18 | 209096A | Rubber Gasket | 2 | |
| 201A-19 | 209097A | Cup Head Bolt with washer | 2 | |
| 201A-20 | 209098A | Cover of Motor Terminal Box | 1 | |
| 201A-21 | 209099A | Push Button | 1 | |
| 201A-22 | 209110A | Oil Return Port | 1 | |
| 201A-23 | 209100A | Oil Outlet | 1 | |
| 201A-24 | 209105A | Check Valve | 1 | |
| 201A-25 | 209101A | Release Valve | 1 | |
| 201A-26 | 209102A | Handle For Release Valve | 1 | |
| 201A-27 | 209103A | Washer | 1 | |
| 201A-28 | 209104A | Hex Nut | 1 | |
| 201A-29 | 209106A | Gear Pump | 1 | |
| 201A-30 | 209107A | Oil Return Pipe | 1 | |
| 201A-31 | 209108A | Filler Cap | 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.