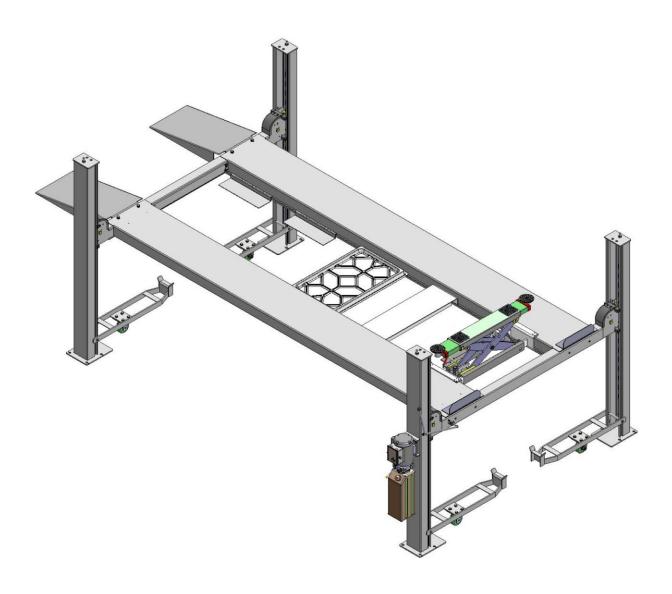


Installation And Service Manual



FOUR-POST LIFT

Model: 409-P 409-HP

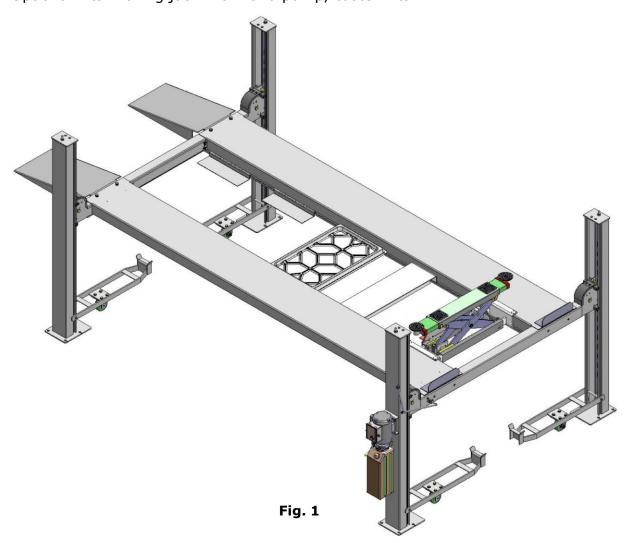
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I. PRODUCT FEATURES AND SPECIFICATIONS

4-POST MODEL 409-P 409-HP FEATURES

- · Single point manual safety release.
- · Four mechanical locking devices, each equipped with both primary and secondly safety locks.
- · Power-side column can be installed at both side, front or rear.
- · Non-skid diamond platforms and adjustable safety lock ladders.
- · Optional kits: Rolling jack with hand pump, caster kits.



MODEL 409-P 409-HP SPECIFICATIONS

| | HODEL HOST HOSTH OF ECH TOWN | | | | | | | | |
|--------|------------------------------|-------------------|-----------------|--------------------------------------|------------------|-----------------------------|-----------------|-------|--|
| Model | Lifting Capacity | Lifting Height | Lifting Time | Overall Length (Inc. Ramps) | Overall Width | Width Between Columns | Gross Weight | Motor | |
| 409-P | 9,000 lbs | 73 5/8″ | 45S | 218 3/4" | 126 1/4" | 112 1/2" | 2130lbs | 2.0HP | |
| 409-HP | 9,000 lbs | 85 1/2" | 53S | 230 1/2" | 126 1/4" | 112 1/2" | 2172lbs | 2.0HP | |

II. INSTALLATION REQUIREMENT

A. TOOLS REQUIRED

✓ Tape Measure (7.5m)



✓ Hammer



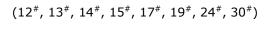
✓ Level Bar



✓ English Spanner (12")



✓ Wrench set





√ Carpenter's Chalk



✓ Screw Sets



✓ Pliers



✓ Lock Wrench



✓ Socket Head Wrench

(3*, 5*, 6*, 8*)

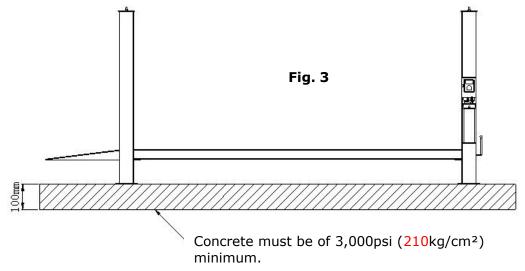


Fig. 2

B. SPECIFICATIONS OF CONCRETE (See Fig. 3)

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" minimum and without reinforcing steel bars, and must be dried completely before the 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.



C. POWER SUPPLY

The electrical source must be 2.0HP minimum. The source cable size must be 2.5mm² and in good condition of contacting with floor.

III. STEPS OF INSTALLATION

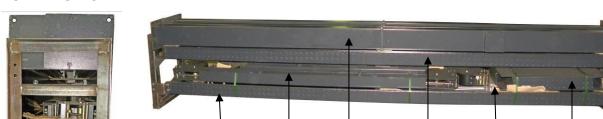
A. Check the parts before assembly

1. Packaged lift and Hydraulic Power Unit (See Fig. 4).



Fig. 4

2. Open the outer packing carefully, check the parts according to the shipment list. (See Fig. 5).

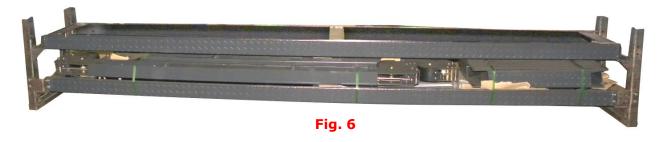


| Powerside Platform | Cross Beam | Column | Offside Platform | Parts box | Drive-in Ramp |
|-----------------------|---------------|--------|---------------------|-----------|------------------|
| | | | | | |

Shipment Parts List

Fig. 5

3. Take off the drive-in ramps and columns (See Fig.6).



- 4. Loose the screws of the upper package stand, take off the offside platform, take out the parts inside the powerside platform, then remove the package stand.
- 5. Move aside the parts and check the parts according to the shipment parts list (See Fig. 7).



6. Open the carton of parts and check the parts according to the parts box list

(See Fig. 8).



Fig. 8

7. Check the parts of the parts bag according to the parts bag list (See Fig. 9).

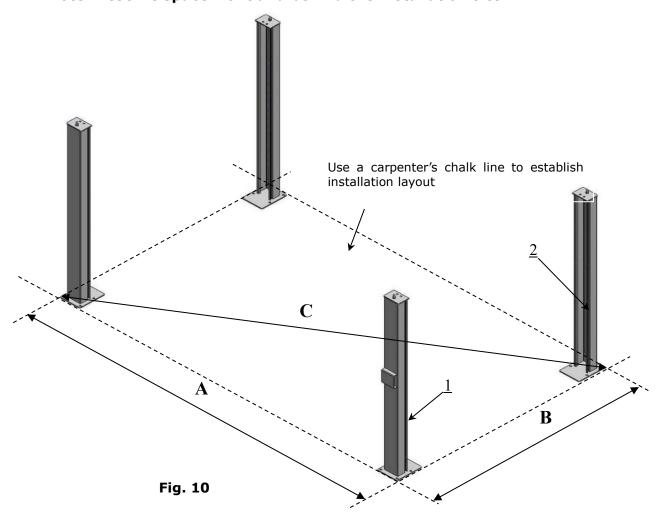


Fig. 9

B. Use a carpenter's chalk line to establish installation layout as per Table 1

Make sure the size is right and base is flat (see Fig. 10).

Note: Reserve space front and behind the installation site.



| MODEL | A | В | С |
|--------|----------|----------|----------|
| 409-P | 185″ | 126 1/8" | 224″ |
| 409-HP | 196 7/8" | 126 1/8" | 233 7/8" |

C. Install cross beams (See Fig.11, Fig.12).

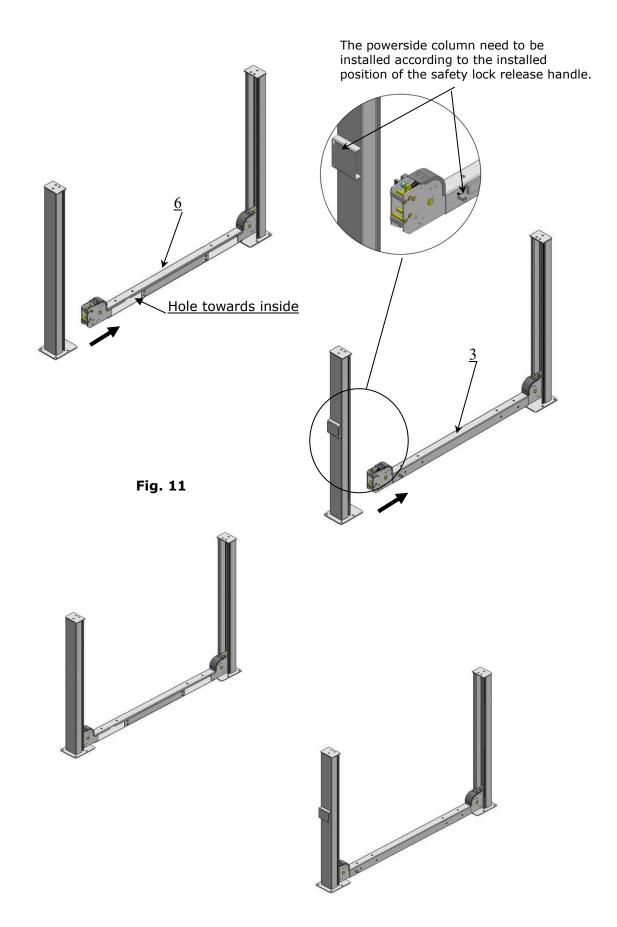


Fig. 12

D. Install the Safety Ladders.

1. Take off the pulley safety cover and unscrew a nut of the safety ladders, and then adjust the four lower nuts to be at the same position. Then install the safety ladder (See Fig. 13).

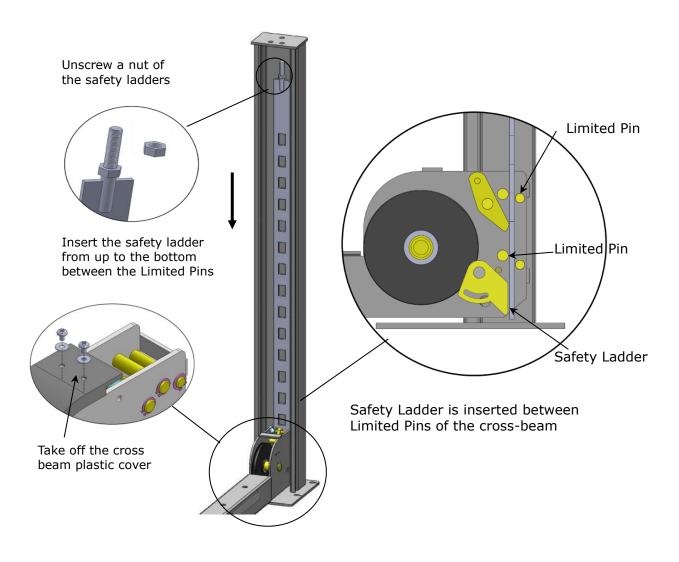
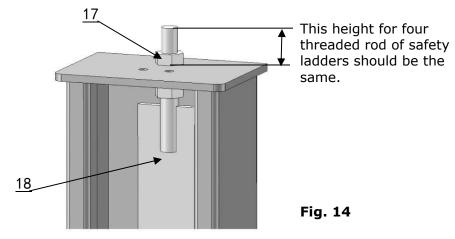


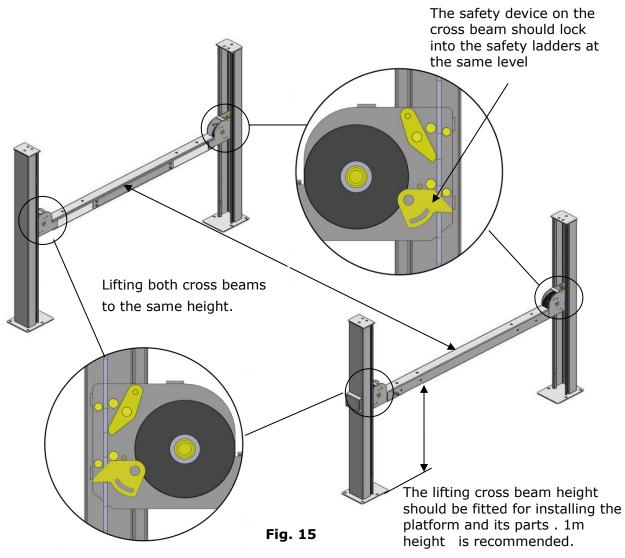
Fig. 13

2. Install Safety Ladders (See Fig. 14).



Safety ladder pass through the hole of the top plate, then tighten the two nuts

E. Put the cross beams at the same height and lock on the safety ladder (See Fig. 15).



F. Install power side platform.

1. Install the power side platform on the cross beams by a fork lift or manual, offset the cross beams to the outside till the pulleys of both platforms can rest into the cross beams' slots (See Fig.16), Install the power side platform and screw up the bolts.

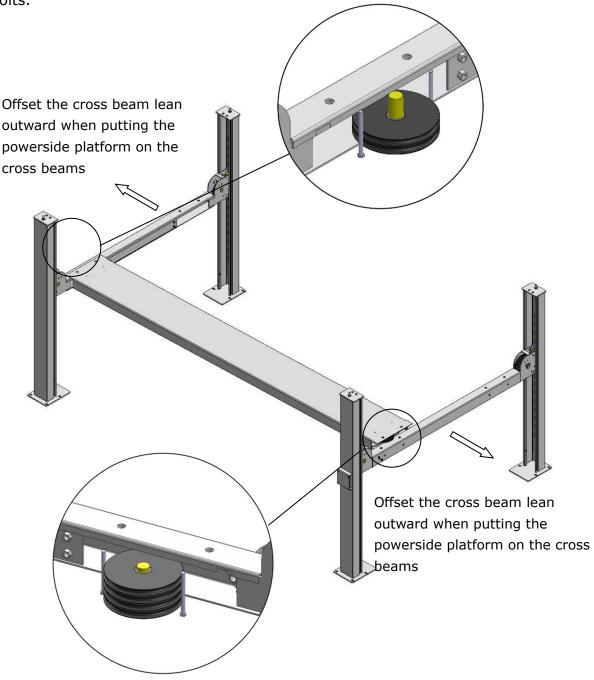


Illustration for front pulley in powerside platform

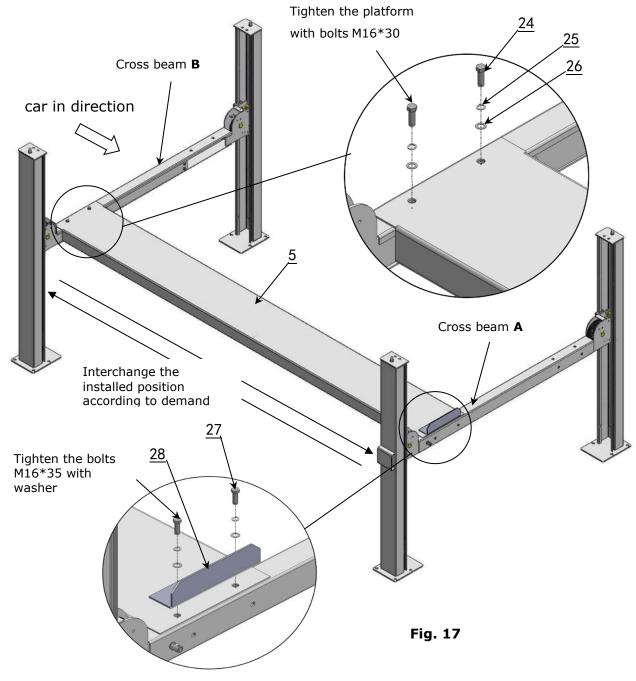
Fig. 16

2. **Install tire stop plate with bolts and washer on the platform**: Tighten the platform on cross beam **B** with bolts, tighten the tire stop plate on cross beam **A** with bolts

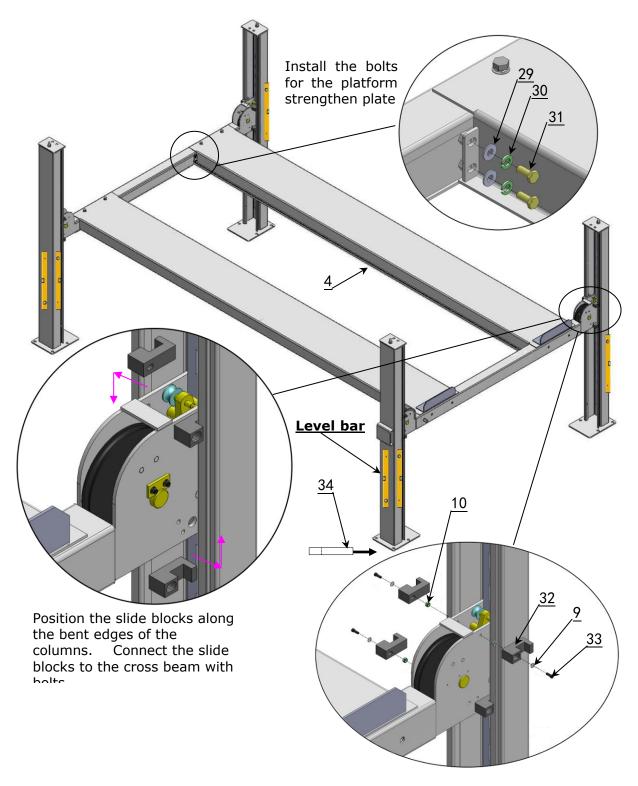
Note: The bolts for the side with tire stop plate is longer, pay attention when choosing the bolts (See Fig.17)

Instruction:

- 1)This lift is designed in both side (cross beam **A** and cross beam **B**) car in direction, user can install the lift according to the location. Below is the installation for the side of cross beam **B** car in direction. If choosing the side of cross beam **A** car in direction, then install the tire stop plate to the other side.
- 2)Powerside column can be installed at any position on customers' requirement, but the power unit must be installed near the side with the safety lock release handle.



G. Install offside platform and plastic block, then install the bolts for the platform strengthen plate, check the plumbness of columns with level and adjusting with the shims (See Fig. 18).

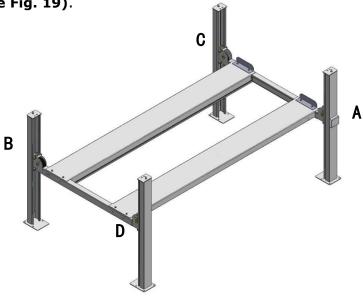


Note: DO NOT completely tighten the limit slide blocks. Loosen 1/4 lap after tightening.

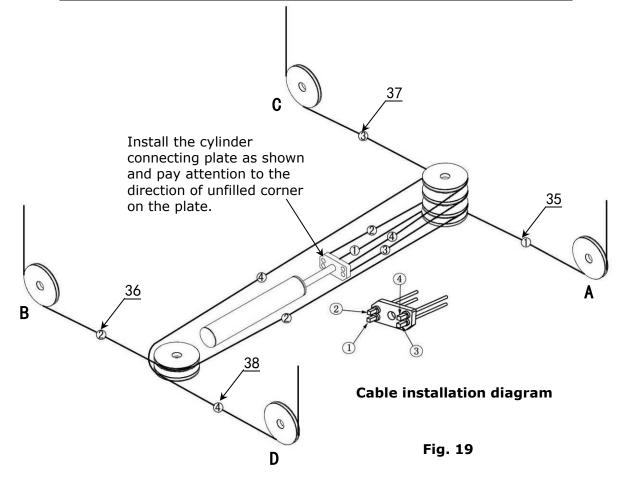
Fig. 18

H. Illustration for cable installation

1. Pass through the cables from the platform to the columns according to the number of the cables (See Fig. 19).



| NO. | 1 | 2 | 3 | 4 |
|---|----------|----------|----------|----------|
| Length for 409-P (inc. connecting fitting) | 124″ | 363 1/4" | 187" | 301 3/8" |
| Length for 409-HP (inc. connecting fitting) | 132 3/4" | 383 1/4" | 194 3/4" | 321 1/4" |



2. The cable goes through the cross beam to top plate of columns and be screwed with cable nuts (See Fig. 20).

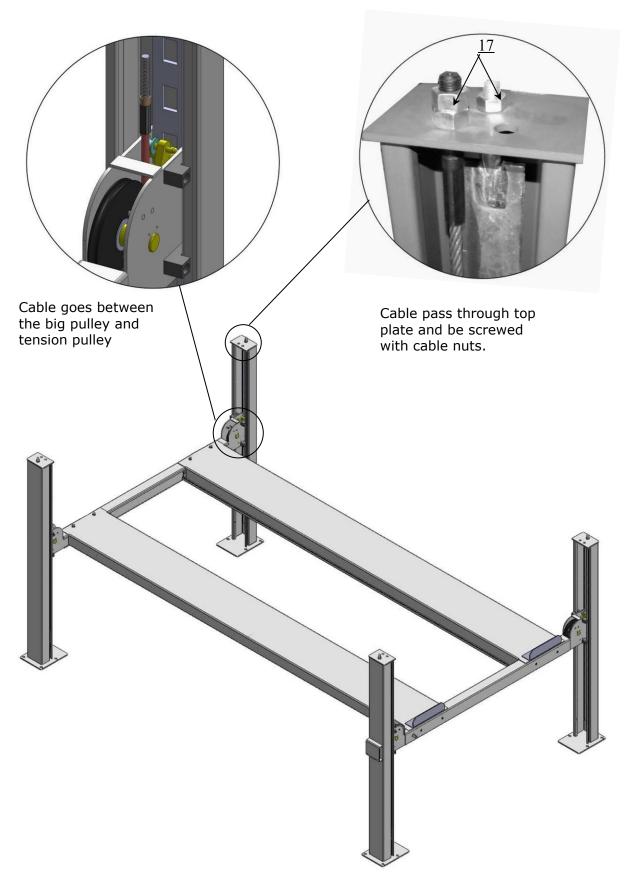


Fig. 20

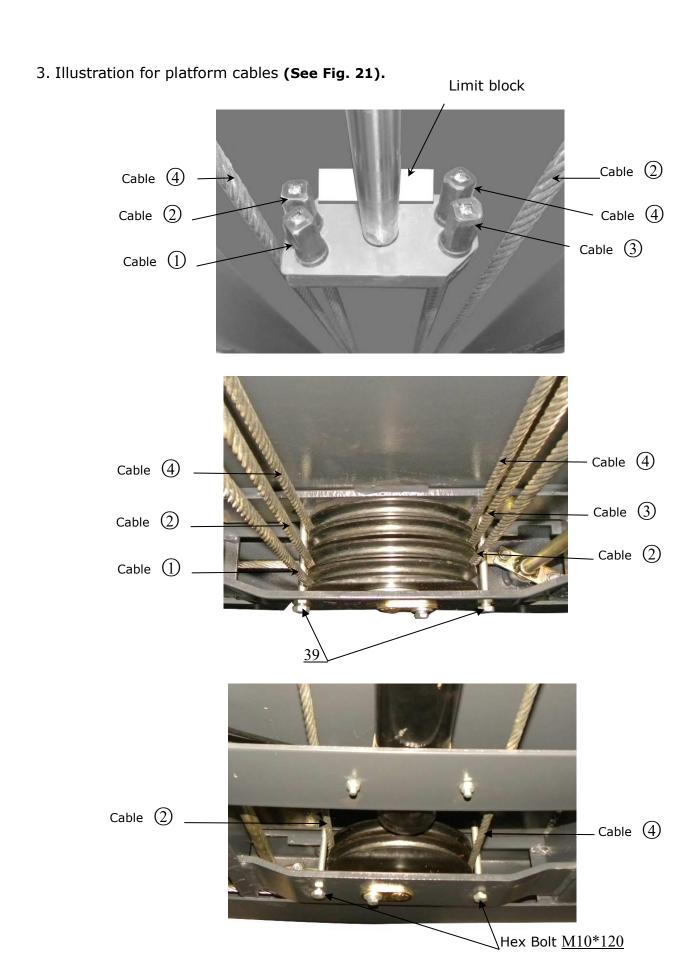
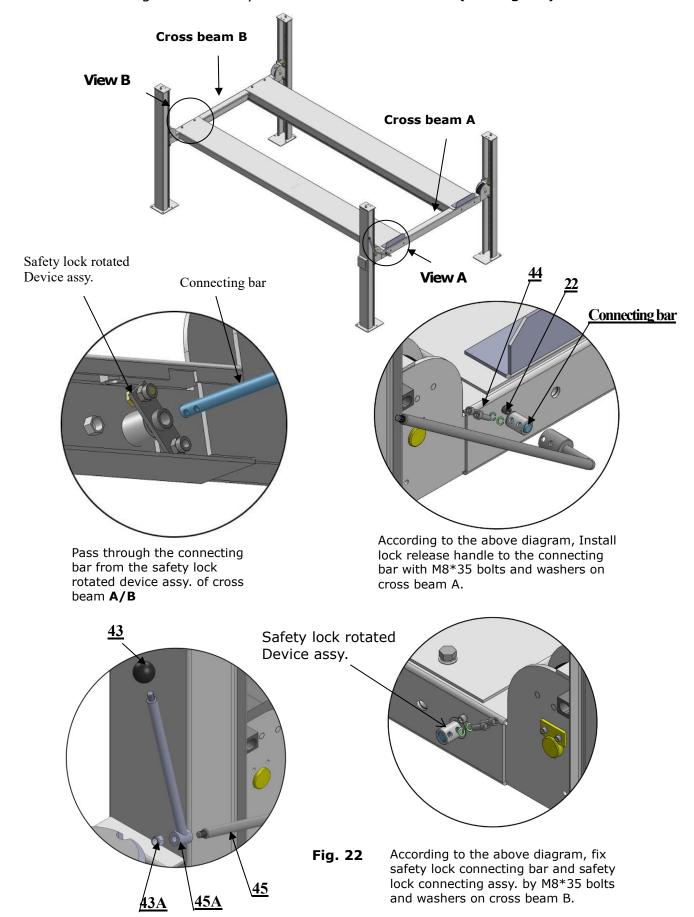


Fig. 21

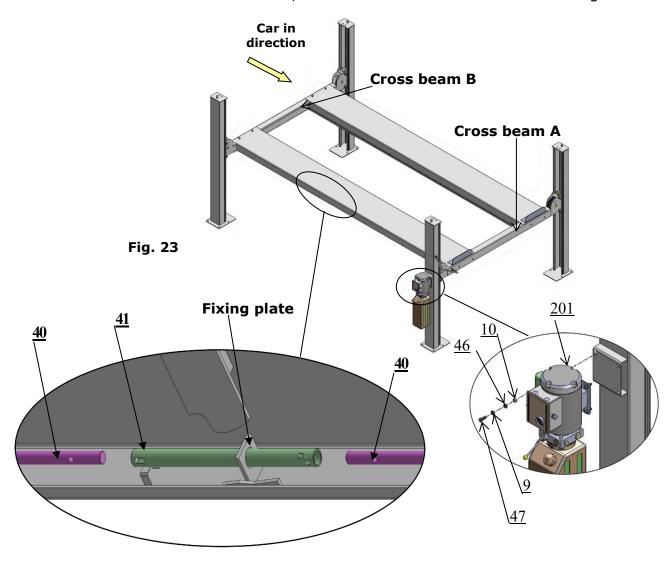
I. Install connecting bar for safety device and release handle (See Fig. 22).

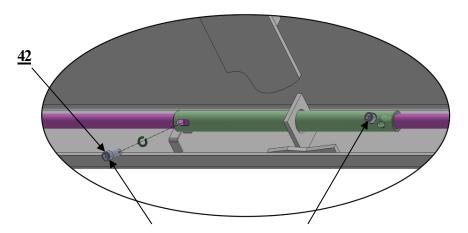


J. Install power unit

Note: Power unit must be installed near the safety release handle

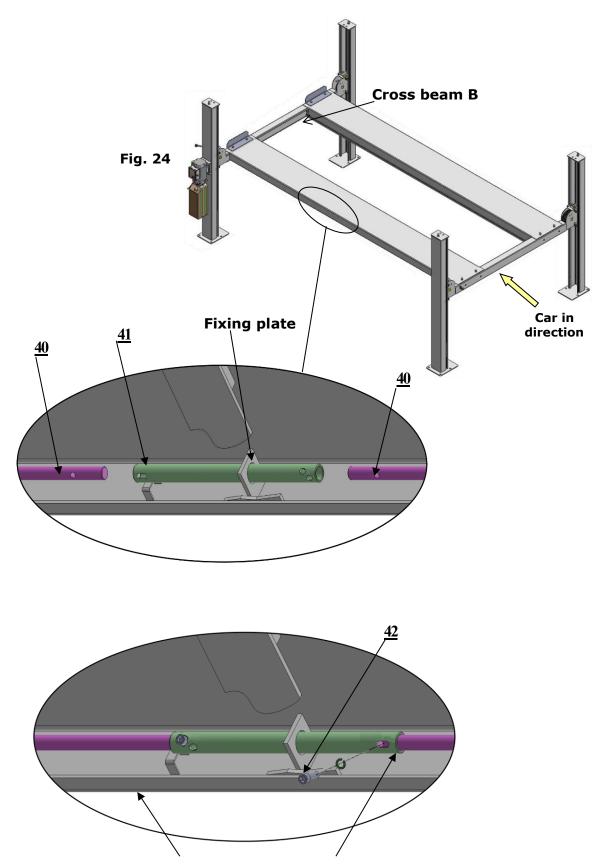
1. Install Power unit on the cross beam ${\bf A}$, the installation of connection tube as Fig.23





Install M8*25 Socket bolt with washer to these two holes.

2. Install Power unit on the cross beam **B** (See Fig.24).



Install M8*25 Socket bolt with washer to these two holes.

K. Install Hydraulic System

1. For power unit attached to the column of cross beam A (See Fig. 25)

Note: Oil hoses connected to oil cylinder must be passed above the cable to avoid the oil hose scratched by cable.

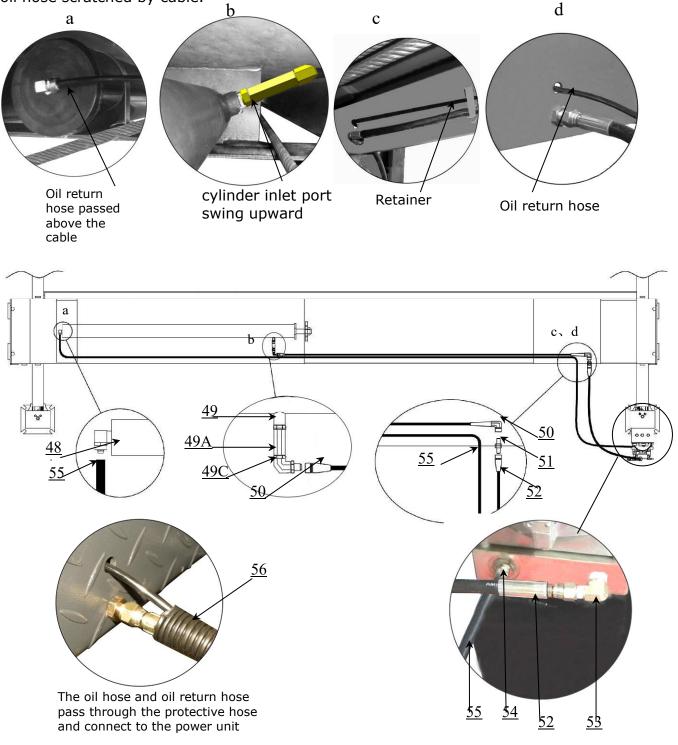
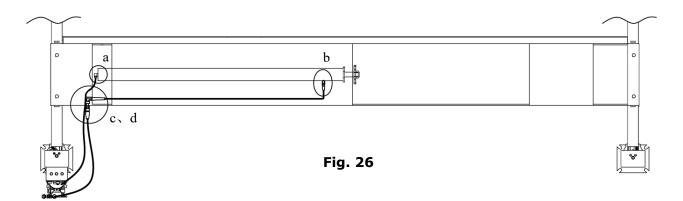


Fig. 25

2. For power unit attached to the column of cross beam **B** (See Fig. 26).

Note: The oil return hose can be adjusted when installation



L. Install Electrical System

Connect the power source on the data plate of Power Unit.

Note: For the safety of operators, the power wiring must connect the floor well. Single phase motor (See Fig.27).

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

Motor wire connection

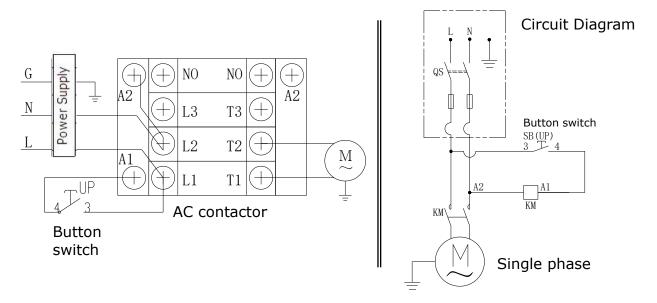


Fig. 27

2. Connection Step (See Fig. 30)

- a. The source wires (L1, L2, L3) are connected with terminals of AC contactor markedL1, L2, L3 respectively.
- b. Terminals 4# of control button is connected with terminals of AC contactor markedL1; wire 3# is connected with A1 terminals of control button.

M. Install spring and safety cover of cross beam (See Fig. 28).

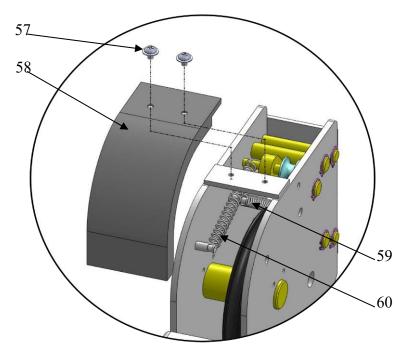


Fig. 28

N. Install drive-in ramp, jack tray and plastic oil pans (See Fig. 29).

According to the below diagram screw up the M16*30 bolts, then attach the drivein ramp.

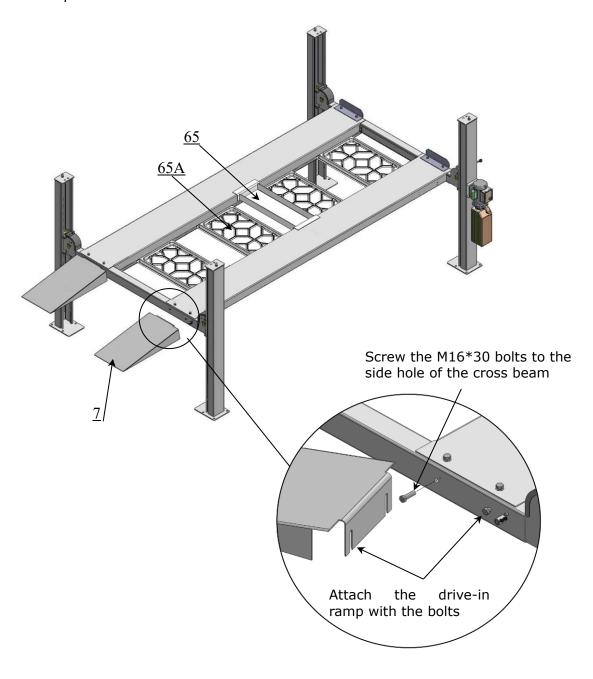
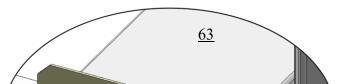


Fig. 29

O. Install Rear wheel stop plates (See Fig. 33)

After driving the vehicle on the lift, take off the drive-in ramp, install rear wheel

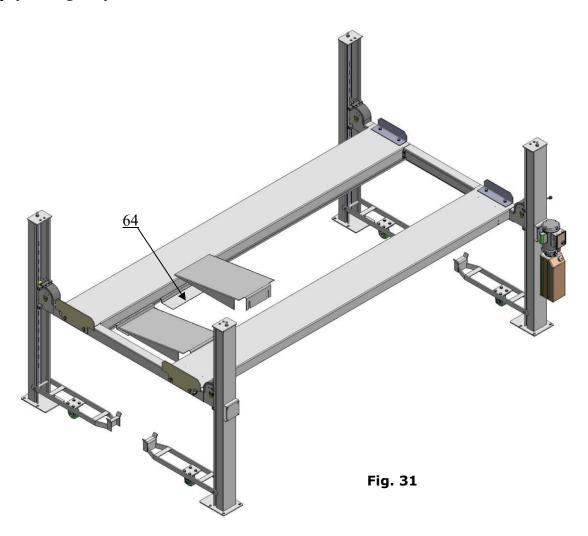


stop plates to the drive-in ramp position.



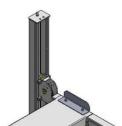
Fig. 30

P. Install Layer Board Assy. for Drive in Ramp Take down the Drive in Ramp, and put it in the platform and layer board assy.(See Fig. 31)

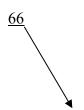


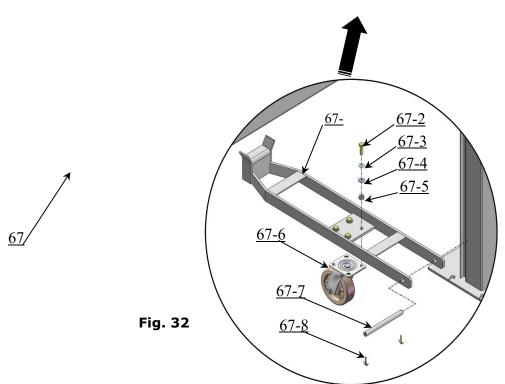
For optional kits installation.

1. Install optional caster kits (See Fig. 32)

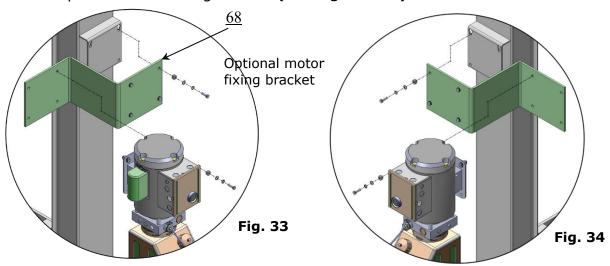








2. Install optional motor fixing bracket (See Fig. 33, 34).



Motor fixing bracket on cross beam A

Motor fixing bracket on cross beam ${\bf R}$

Q. Fix the anchor bolts

1. Prepare the anchor bolts (See Fig. 35).

Washer Spring washer



Fig. 35

2. Using the prescribed rotary hammer drill, and drill all the anchor holes and install the anchor bolts. Do not tighten the anchor bolts (See Fig. 36).

Note: The tightening torque for the anchor bolt is 150N.m ,Anchor bolts driven into the ground at least 90mm

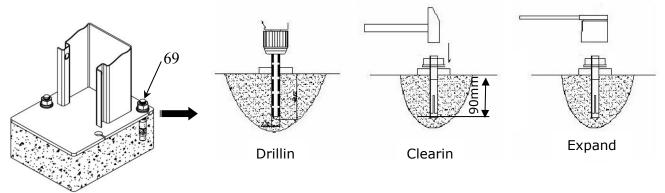
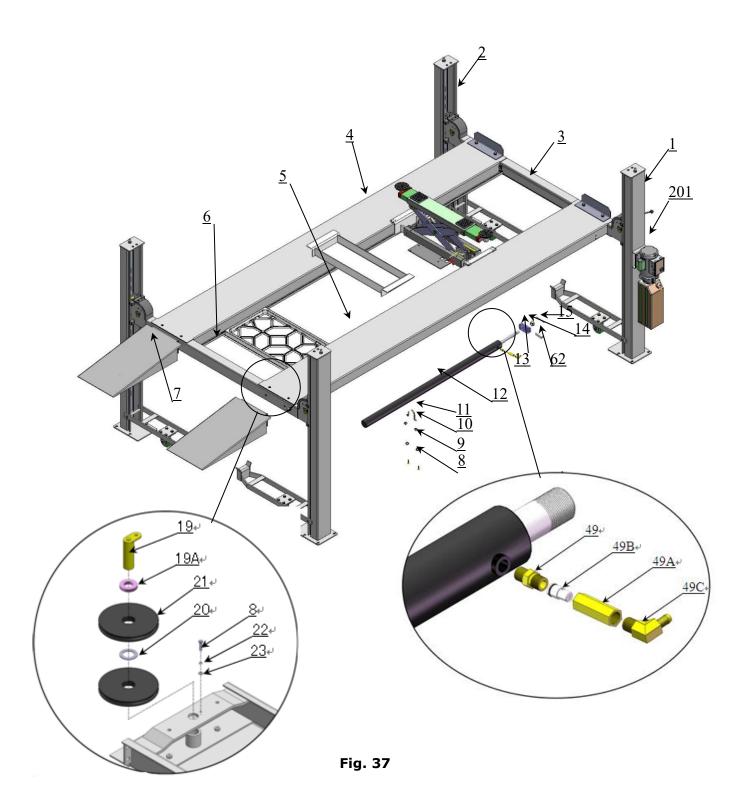


Fig. 36

IV. EXPLODED VIEW

Model 409-P/409-HP



CROSS BEAM



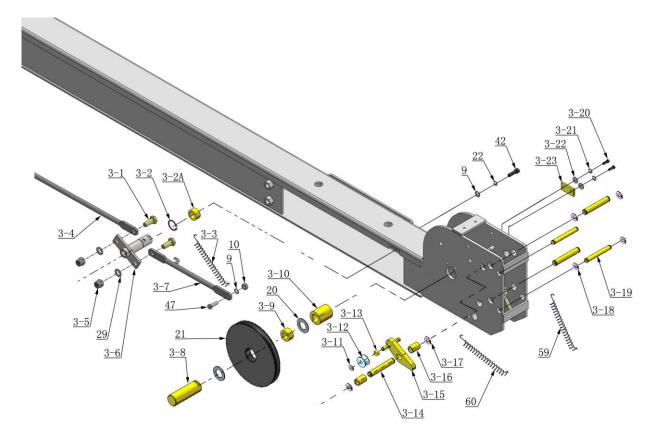
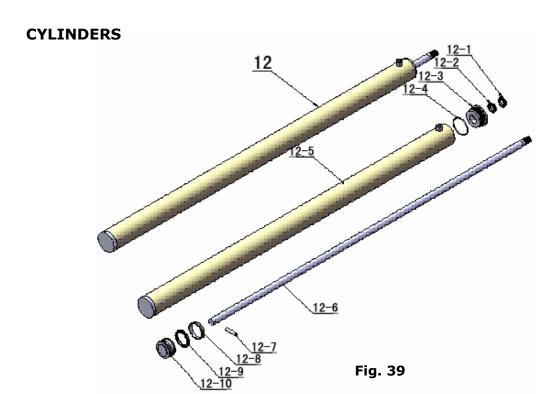


Fig.38



Manual power unit 220V,60Hz

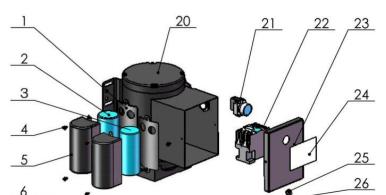


Fig. 43

Fig. 40

Illustration of hydraulic valve

Manual hydraulic power unit 110V.60Hz, single phase(Fig. 41)

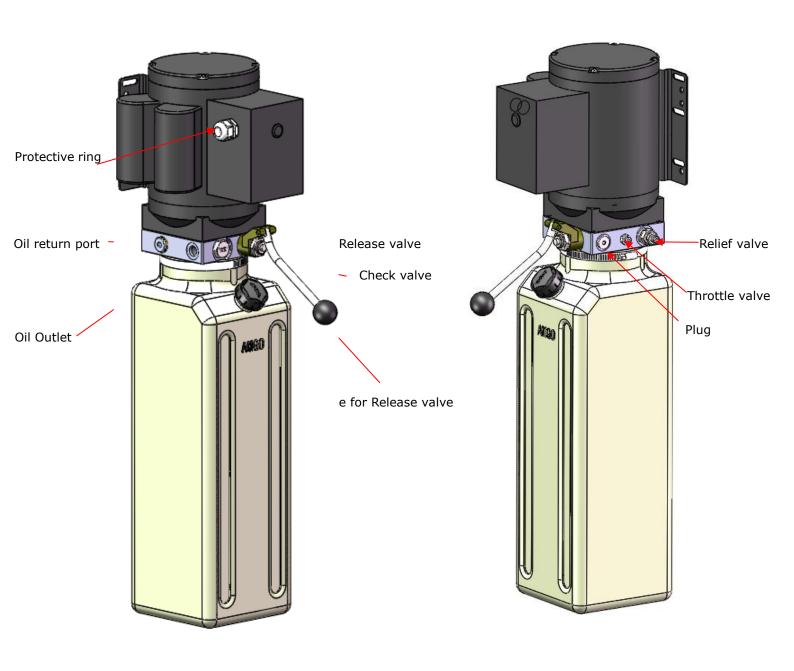


Fig. 41

V. TEST RUN

1. Fill the reservoir with Hydraulic Oil (Note: In consideration of Power Unit's

- durability, please use **Hydraulic Oil 46#**).
- 2. Press the control button, the cables will be strained. Check whether the cables match the pulley. Make sure the cables are not across.
- 3. Press the release valve handle to lock the cross-beam to the safety ladders, and then adjust the platforms to be level by adjusting the nuts of safety ladders.
- 4. Adjust the cable fitting hex nuts to make platforms and four safety locks work synchronously. You need to run the lift up and down for several times, meanwhile do the synchronous adjustment till the four safety devices can lock and release at the same time.
- Adjust the clearance between the column and the plastic slider of cross-beam to about 2mm, Do not tighten the bolts of the sliding block, let the sliding block can be
 - turned after installing the bolts
- 6. After finishing the above adjustment, test running the lift with load. Run the lift with platforms in low position first, make sure the platforms can rise and lower synchronously and the safety device can lock and release synchronously. And then test run the lift to the top completely. If there are anything improper, repeat the above adjustment.

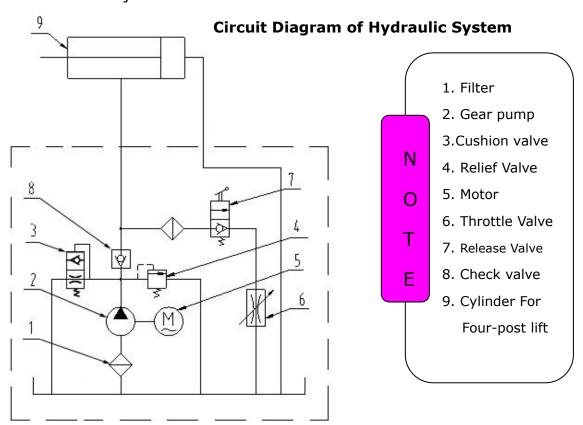


Fig. 42

VI. OPERATION INSTRUCTIONS

To lift vehicle

- 1. Keep clean of environment near the lift.
- 2. Drive vehicle to the platform and put on the brake.
- 3. Take off the drive-in ramp, install rear wheel stop plates to the drive-in ramp position.
- 4. Turn on the power and press the control button, raise the lift to the working position.

Note: make sure the vehicle is steady when the lift is raised.

5. Press the release valve handle to lock the lift in the safety position. Make sure the safety device is locked at the same height.

To lower vehicle

- 1. Be sure the clearance of around and under the lift, only leaving operator in lift area.
- 2. Press the control button, the lift will be raised for 3-5 seconds, and then press the safety release handle, make sure the safety device released, press the release valve handle by the other hand, then the lift starts being lowered automatically.
- 3. Drive away the vehicle when the lift is lowered to the lowest position. Take off the rear wheel stop plates and install drive-in ramp, then left the lift.
- 4. Turn off the power.

VII. MAINTENANCE SCHEDULE

Monthly:

- 1. Lubricate cable with lubricant;
- 2. Check all cable connection, bolts and pins to insure proper mounting;
- 3. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage;
- 4. Lubricate all rollers, safety devices with 90wt. gear oil or equivalent.

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 to insure level lifting.
- 3. Check columns for plumbness.

VIII. TROUBLE SHOOTING

| TROUBLE | CAUSE | REMEDY |
|---------------|---|---------------------------------|
| | 1. Button does not work | 1.Replace button |
| | 2.Wiring connections are not in good | 2.Repair all wiring connections |
| Motor does | condition | |
| not run | 3. Motor burned out | 3.Repair or replace motor |
| | 4. AC contactor burned out | 4.Replace AC contactor |
| | | |
| | 1.Motor runs in reverse rotation | 1.Reverse two power wire |
| Motor runs | 2. Release valve in damage | 2.Repair or replace |
| but the lift | 3. Gear pump in damage | 3.Repair or replace |
| is not raised | 4.Relief valve or check valve in damage | 4.Repair or replace |
| is not raised | 5.Low oil level | 5.Fill tank |
| | | |
| | Release valve out of work | |
| Lift does not | 2 Relief valve or check valve leakage. | Repair or replace |
| stay up | 3.Cylinder or fittings leaks | |
| | | |
| | 1.Oil line is jammed | 1.Clean the oil line |
| | 2.Motor running on low voltage | 2.Check electrical system |
| Lift raises | 3. Oil mixed with Air | 3. Fill tank |
| too slow | 4.Pump leaks | 4. Repair or replace pump |
| | 5.Overload lifting | 5.Check load |
| | | |
| Lift cannot | 1. Safety device are not in activated | 1. Operate again |
| lower | 2. Release valve damaged | 2. Repair or replace |
| iowei | | |

IX. PARTS LIST FOR MODEL 409-P 409-HP

| Thom | Doub# | Description | C | Qty. | | |
|------|---------|------------------------|-------|--------|------|--|
| Item | Part# | Description | 409-P | 409-HP | Note | |
| 4 | 410001 | B :1 C1 | 1 | 0 | | |
| 1 | 410074 | Power-side Column | 0 | 409-HP | | |
| 2 | 410002 | OK. I C I | 3 | 0 | | |
| 2 | 410075 | Offside Column | 0 | 3 | | |
| 3 | 410050 | Cross Beam A | 1 | 1 | | |
| 4 | 410051 | Official Distriction | 1 | 0 | | |
| 4 | 410076 | Offside Platform | 0 | 1 | | |
| F | 410052 | Davida Blatfarra | 1 | 0 | | |
| 5 | 410077 | Powerside Platform | 0 | 1 | | |
| 6 | 410053 | Cross Beam B | 1 | 1 | | |
| 7 | 410007 | Drive-in ramp | 2 | 2 | | |
| 8 | 209043 | Hex Bolt | 4 | 4 | | |
| 9 | 209033 | Washer | 28 | 28 | | |
| 10 | 209005 | Self locking Nut | 26 | 26 | | |
| 11 | 410090 | Cylinder fixed ring | 1 | 1 | | |
| 12 | 410081 | C II I | 1 | 0 | | |
| | 410070 | Cylinder | 0 | 1 | | |
| 13 | 420626 | Cable connecting plate | 1 | 1 | | |
| 14 | 420014 | Hex Nut | 1 | 1 | | |
| 15 | 201005 | Split Pin | 1 | 1 | | |
| 201 | 410095 | Manual power unit | 1 | 1 | | |
| 17 | 420175A | Hex nut | 16 | 16 | | |
| 10 | 410022 | Cafabaladaa | 4 | 0 | | |
| 18 | 410073 | Safety ladder | 0 | 4 | | |
| 19 | 420022A | Pulley pin assy. | 2 | 2 | | |
| 20 | 420023A | Washer | 13 | 13 | | |
| 21 | 420024B | Pulley | 10 | 10 | | |
| 22 | 209034 | Lock washer | 10 | 10 | | |
| 23 | 420144 | Washer | 2 | 2 | | |
| 24 | 410013 | Hex Bolt | 8 | 8 | | |
| 25 | 420137 | Lock washer | 8 | 8 | | |
| 26 | 420029 | Washer | 8 | 8 | | |
| 27 | 410014 | Hex Bolt | 4 | 4 | | |
| 28 | 410015 | Tire stop plate | 2 | 2 | | |
| 29 | 206006 | Washer | 12 | 12 | | |
| 30 | 420026 | Lock washer | 8 | 8 | | |

| 31 | 410105 | Hex Bolt | 8 | 8 | 7 |
|------|---------------|----------------------------------|-------|--------|------|
| 32 | 410016A | Plastic block | 16 | 16 | |
| | Part# | | | 1 | |
| Item | | Description | 409-P | 409-HP | Note |
| 33 | 410017 | Socket bolt | 16 | 16 | |
| 34 | 620065/201090 | Shim | 20 | 20 | |
| | 410167 | | 1 | 0 | |
| 35 | 410171 | Cable 4 | 0 | 1 | |
| | 410168 | _ | 1 | 0 | |
| 36 | 410172 | Cable 2 | 0 | 1 | |
| | 410166 | _ | 1 | 0 | |
| 37 | 410170 | Cable 3 | 0 | 1 | |
| | 410165 | | 1 | 0 | |
| 38 | 410169 | Cable 4 | 0 | 1 | |
| 39 | 420020B | Hex Bolt | 4 | 4 | |
| | 410059 | | 2 | 0 | |
| 40 | 410069 | Connecting bar for safety device | 0 | 2 | |
| 41 | 410024 | Connecting tube | 1 | 1 | |
| 42 | 209032 | Socket bolt | 4 | 4 | |
| 43 | 217005 | Plastic ball | 1 | 1 | |
| 43A | 209056 | Self locking Nut | 1 | 1 | |
| 44 | 410025 | Socket bolt | 4 | 4 | |
| 45 | 410026 | Safety release handle | 1 | 1 | |
| 45A | 410100 | Extension release handle assy | 1 | 1 | |
| 46 | 209004 | Rubber ring | 4 | 4 | |
| 47 | 209003 | Hex Bolt | 8 | 8 | |
| 48 | 420166 | 90º Fitting | 1 | 1 | |
| 49 | 420243 | Straight Fitting for cylinder | 1 | 1 | |
| 49A | 420245 | Straight Fitting | 1 | 1 | |
| 49B | 209119 | compensation valve | 1 | 1 | |
| 49C | 201020 | T-fitting | 1 | 1 | |
| | 410136 | | 1 | 0 | |
| 50 | 410137 | Oil hose | 0 | 1 | |
| 51 | 420120 | Extend straight fitting with nut | 1 | 1 | |
| 52 | 207026 | Oil hose | 1 | 1 | |
| 53 | 209060 | 90º Fitting for power unit | 1 | 1 | |
| 54 | 420095 | Straight fitting | 1 | 1 | |
| 55 | 410061 | Oil return hose | 1 | 0 | |
| 55 | 410072 | Oil return hose | 0 | 1 | |

| 56 | 410036 | Protective hose | 1 | 1 | 7 |
|----------|-----------------|-------------------------------------|-------|--------|------|
| 57 | 209145A | Cup head bolt with washer | 8 | 8 | |
| | | | | | |
| Item | Part# | Description | 409-P | 409-HP | Note |
| 58 | 410029 | Plastic cover for cross beam | 4 | 4 | |
| 59 | 410030 | Spring | 4 | 4 | |
| 60 | 420033 | Spring | 4 | 4 | |
| | 410501 | | 1 | 0 | |
| 61 | 410502 | Parts box | 0 | 1 | |
| 62 | 420239 | Limit block | 1 | 1 | |
| 63 | 410094 | Rear wheel stop plate | 2 | 2 | |
| 64 | 410101 | Layer board assy for drive in ramp | 2 | 2 | |
| 69 | 209059 | Anchor bolt | 16 | 16 | |
| Optiona | l kits (See Fig | g.34-36) | l . | | |
| 65 | 410062 | Jack tray | 1 | 1 | |
| 65A | 410095 | Oil tray | 4 | 4 | |
| 66 | 410041 | Optional Jack | 1 | 1 | |
| 67 | 40801 | Mobile bracket assy. | 4 | 4 | |
| 68 | 40802 | Fixing plate for motor | 1 | 1 | |
| Parts fo | r optional cas | ster kits (See Fig.34) | | | - |
| 67-1 | 410042A | Support bracket | 4 | 4 | |
| 67-2 | 209125 | Hex bolt | 16 | 16 | |
| 67-3 | 209039 | Lock washer | 16 | 16 | |
| 67-4 | 209022 | Washer | 16 | 16 | |
| 67-5 | 209021 | Hex nut | 16 | 16 | |
| 67-6 | 410035 | Plastic wheel | 4 | 4 | |
| 67-7 | 410034 | Connecting pin | 4 | 4 | |
| 67-8 | 209012 | Hair Pin | 8 | 8 | |
| Parts Fo | r Cross Bean | າ (See Fig.38) | • | 1 | - |
| 3-1 | 206024 | Hex bolt | 4 | 4 | |
| 3-2 | 206032 | Snap ring | 2 | 2 | |
| 3-2A | 217020 | Bronze bush | 2 | 2 | |
| 3-3 | 410099 | Spring | 2 | 2 | |
| 3-4 | 410063 | Connecting bar for safety lock | 2 | 2 | |
| 3-5 | 206023 | Self locking Nut | 4 | 4 | |
| 3-6 | 410032 | Safety lock rotated device assy. | 2 | 2 | |
| 3-7 | 410064 | Connecting bar assy.for safety lock | 2 | 2 | |
| 3-8 | 420041A | Pulley Pin | 4 | 4 | |
| 3-9 | 420132A | Pulley Bush | 10 | 10 | |
| 3-10 | 420040A | Pulley pin sleeve | 4 | 4 | |
| 3-11 | 209010 | Snap ring | 4 | 4 | |

| 3-12 | 420035 | Tension pulley | 4 | 4 | |
|-----------|--------------------|--------------------------------------|-------|--------|------|
| 3-13 | 420174 | Spacer | 4 | 4 | |
| Item | Part# | Description | Qty. | Note | Item |
| | | | 409-P | 409-HP | |
| 3-14 | 420171 | Pin | 12 | 12 | |
| 2.15 | 420175 | Slack-cable safety lock (Left) | 1 | 1. | |
| 3-15 | 420240 | Slack-cable safety lock(Right) | 1 | 1 | |
| 3-16 | 420172 | Pin Bush For Slack-cable safety lock | 8 | 8 | |
| 3-17 | 206019 | Snap ring | 24 | 24 | |
| 3-18 | 420037 | Snap ring | 16 | 16 | |
| 3-19 | 420038 | Pin | 8 | 8 | |
| 3-20 | 420138 | Socket Bolt | 8 | 8 | |
| 3-21 | 209149 | Lock washer | 8 | 8 | |
| 3-22 | 420045 | Washer | 8 | 8 | |
| 3-23 | 420044 | Stop block | 4 | 4 | |
| Parts Fo | r Cylinder (S | ee Fig. 40) | | | |
| 12-1 | 420059 | Dust Ring | 1 | 1 | |
| 12-2 | 420060 | Y- Ring | 1 | 1 | |
| 12-3 | 410082 | Head Cap | 1 | 1 | |
| 12-4 | 410083 | O- Ring | 1 | 1 | |
| 12-5 | 410084 | Bore Weldment | 0 | | |
| 12-5 | 410078 | Bore Weldment | 0 | 1 | |
| 12-6 | 420064 | Piston Rod | 1 | 0 | |
| 12-0 | 410079 | PISCOTI ROU | 0 | 1 | |
| 12-7 | 410085 | Pin | 1 | 1 | |
| 12-8 | 410086 | Support Ring | 1 | 1 | |
| 12-9 | 410087 | Y- Ring | 1 | 1 | |
| 12-10 | 410088 | Piston | 1 | 1 | |
| Parts For | Manual Powe | r Unit, 220V/60Hz/single phase | | | |
| 1 | 81400180 | Rubber Gasket | 2 | 2 | |
| 2 | 81400130 | Start Capacitor | 1 | 1 | |
| 3 | 420148 | Run Capacitor | 1 | 1 | |
| 4 | 81400066 | Cup Head Bolt With Washer | 6 | 6 | |
| 5 | 81400363 | Cover of Capacitor | 2 | 2 | |
| 6 | 81400362 | Motor Connecting Shaft | 1 | 1 | |
| 7 | 10209149 | manifold block | 1 | 1 | |
| 8 | 81400276 | Spring Washer | 4 | 4 | |
| 9 | 81400259 | Inner hex iron plug | 1 | 1 | |
| 10 | 85090142 | Red Plastic Plug | 1 | 1 | |
| 11 | 81400280 | Socket Bolt | 4 | 4 | |

| 12 | 81400294 | Gear Pump | 1 | 1 | |
|------|----------|-----------------------------|-------|--------|------|
| 13 | 10209034 | Relief Valve | 1 | 1 | |
| T4 | D | D. a. a. diadia a | Ç | Qty. | |
| Item | Part# | Description | 409-P | 409-HP | Note |
| 14 | 81400295 | Spring Washer | 2 | 2 | |
| 15 | 81400365 | Hex Screw | 2 | 2 | |
| 16 | 10209152 | O-Ring | 1 | 1 | |
| 17 | 85090167 | Ties | 1 | 1 | |
| 18 | 81400290 | Magnet of power units | 1 | 1 | |
| 19 | 81400412 | Filter | 1 | 1 | |
| 20 | 81400088 | Motor | 1 | 1 | |
| 21 | 10420070 | Push Button | 1 | 1 | |
| 22 | 81400463 | Socket Bolt | 1 | 1 | |
| 23 | 81400287 | O-Ring | 1 | 1 | |
| 24 | 71111106 | Ties | 1 | 1 | |
| 25 | 81400296 | Magnet of power units | 1 | 1 | |
| 26 | 81400459 | Filter net | 1 | 1 | |
| 27 | 10209069 | Motor | 1 | 1 | |
| 28 | 81400266 | Relief Valve | 1 | 1 | |
| 29 | 81400284 | Inner Hex Iron Plug | 1 | 1 | |
| 30 | 81400452 | Elastic latch | 1 | 1 | |
| 31 | 81400451 | Handle For Release Valve | 1 | 1 | |
| 32 | 10209020 | Plastic ball of rack handle | 1 | 1 | |
| 33 | 81400125 | Release valve nut | 1 | 1 | |
| 34 | 81400124 | Release valve spacer | 1 | 1 | |
| 35 | 81400450 | Valve seat | 1 | 1 | |
| 36 | 070001 | Release Valve | 1 | 1 | |
| 37 | 81400267 | Check Valve | 1 | 1 | |
| 38 | 81400288 | Inlet Pipe | 1 | 1 | |
| 39 | 81400289 | Oil Return Pipe | 1 | 1 | |
| 40 | 81400364 | Hose Clamp | 1 | 1 | |
| 41 | 81400263 | Filler Cap | 1 | 1 | |
| 42 | 81400275 | Oil tank | 1 | 1 | |



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Revision Date: 2017/10