AMGO® Hydraulics

Original

Installation And Service Manual

FOUR POST LIFT

Model: PRO-30 PRO-30E

Cargo Claims

If there is any missing or damaged product during transportation, the buyer must notate on the shipping paperwork or refuse the shipment. NOTATE ALL DAMAGE OR REFUSE DAMAGED SHIPMENT!

⚠ DANGER

Read the entire contents of this manual before using this product. Failure to follow instructions and safety precautions could result in serious injury or even death. Make sure all other operators also read this manual. Keep this manual near the machine so that it can be seen by all users. By proceeding with installation and operation, you agree that you are fully understand the contents of this manual and take full responsibility for the use of the product.

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I. PRODUCT FEATURES AND SPECIFICATIONS

- Manual control system
- Mechanical self-lock and pneumatic safety release
- Manual hydraulic power system, cable-drived.
- Strengthen and Non-skid diamond platforms.
- Adjustable platform and adjustable safety lock ladders.
- Optional Jack**:** With Pneumatic hydraulic pump.

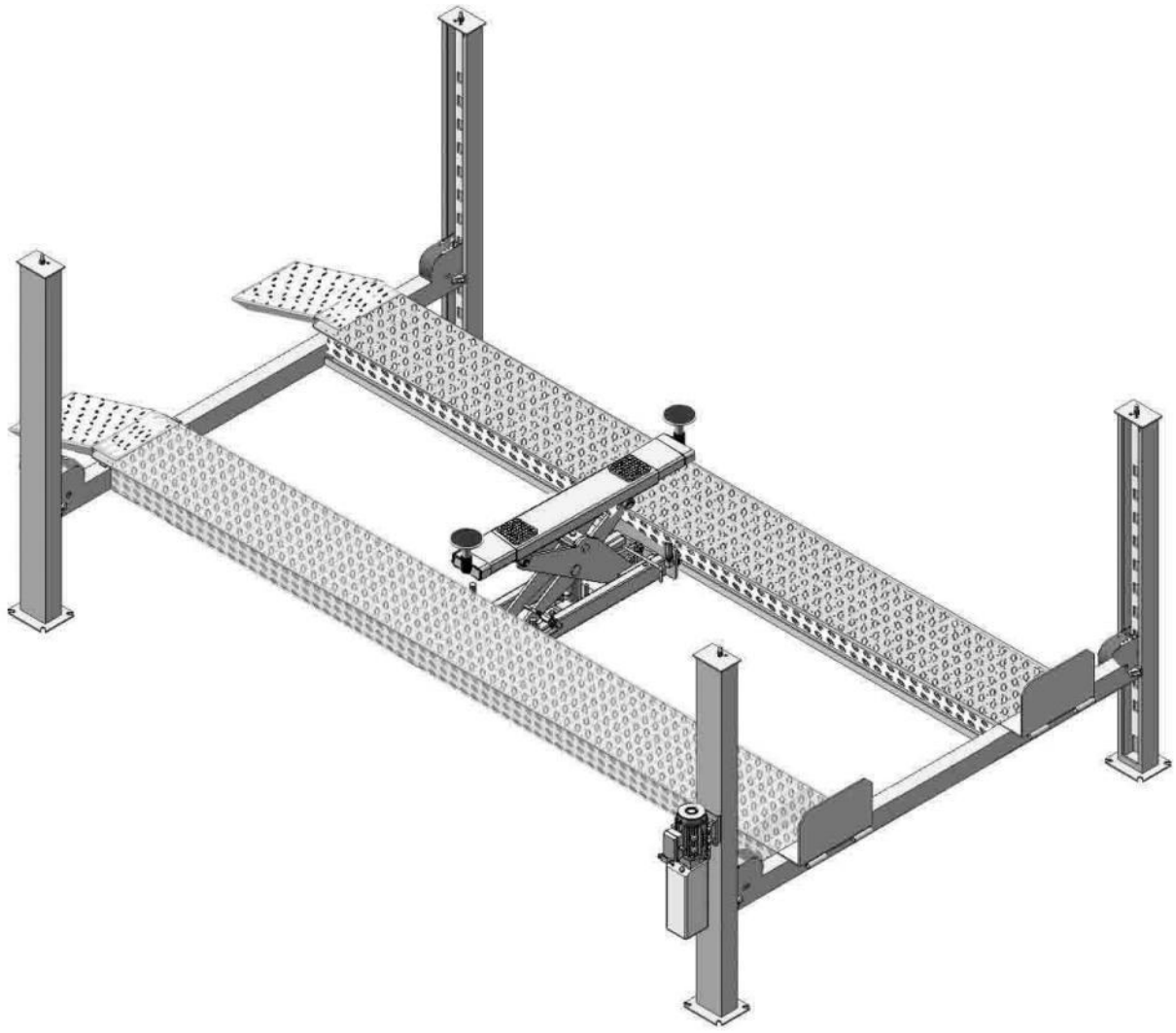


Fig .1

MODEL SPECIFICATIONS

Model	Lifting Capacity	Lifting Height	Lifting Time	Overall Length (Inc. Ramps)	Overall Width	Width Between Columns	Motor
PRO-30	30000lbs	74-3/4″	130S	307 1/8″	149-3/8″	131-3/4″	2.0HP
PRO-30E				366 1/8″			

II. INSTALLATION REQUIREMEN

A TOOLS REQUIRED

✓ Rotary Hammer Drill (Φ3/4)



✓ Hammer



✓ Level Bar



✓ English Spanner (12")



✓ Wrench Set:

$(10^{\#}, 12^{\#}, 13^{\#}, 14^{\#}, 17^{\#}, 19^{\#}, 24^{\#}, 30^{\#})$



✓ Ratchet Spanner With Socket ($28^{\#}$)



✓ Carpenter's Chalk



✓ Screw Sets



✓ Tape Measure (295-1/4")



✓ Pliers



✓ Lock Wrench



✓ Socket Head Wrench
($3^{\#}$, $5^{\#}$, $6^{\#}$)



Fig. 3

B. SPECIFICATIONS OF CONCRETE (See Fig. 4)

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 5" 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 3,000 psi minimum.
3. Floors must be level and no cracks.

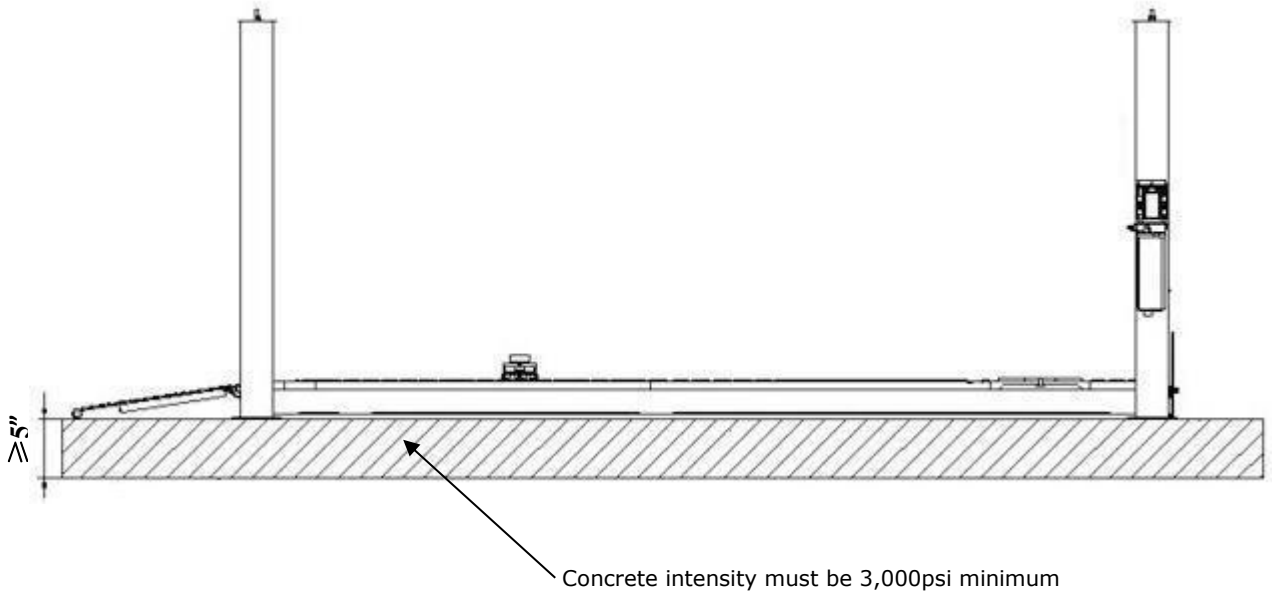


Fig. 4

C. AIR SUPPLY

Air pressure requirement: 0.8Mpa, Air line size Φ8*Φ6 .

D. POWER SUPPLY

The electrical source must be 3.0HP minimum. The source cable size must be 12AWG and in good condition of contacting with floor.

III. STEPS OF INSTALLATION

A. Location of installation

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

B. Check the parts before assembly

1.The equipment should be unload and transfer by forklift. (See Fig.5)

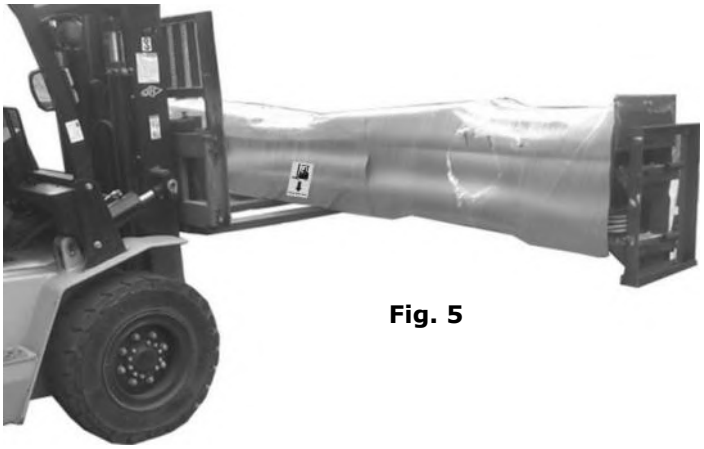


Fig. 5

2.Received lift with hydraulic power unit **(See Fig. 6)**.



Fig. 6

3. Open the outer packing ,check all the parts according to the parts list **(See Fig. 7)**.



Shipment Parts List

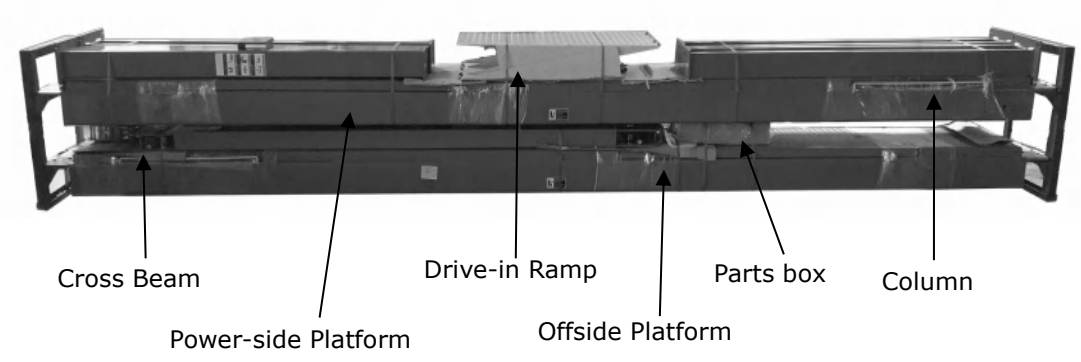


Fig.7

4. Take off the Drive-in Ramps and Columns **(See Fig.8)**.



Fig. 8

5. Loose the screws of the upper package stand, take off the offside platform, take out the parts inside the power side platform, then remove the package stand.

6. Move aside the parts and check the parts according to the shipment parts list **(See Fig. 9)**.

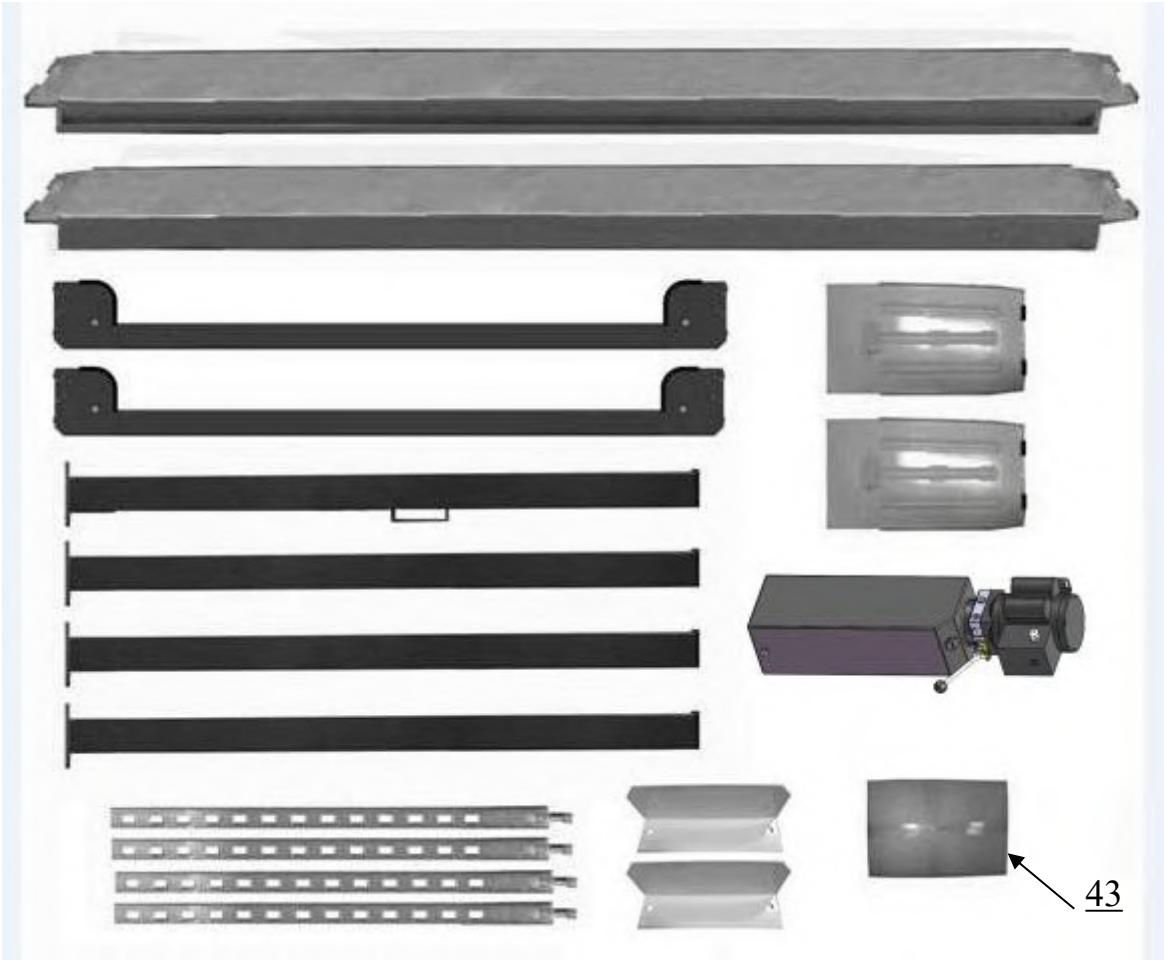


Fig.9

7. Open the parts box and check the parts according to the parts box list (**See Fig. 10**).



Fig. 10

8. Check the Parts bag according to the parts bag list **(See Fig. 11)**.



Parts bag 1





Parts bag 2

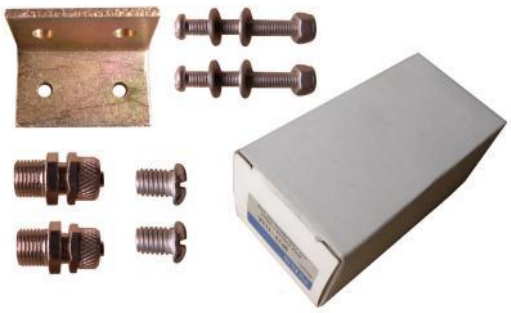


Fig.11

C. Use a carpenter's chalk line to establish installation layout , make sure the size is right and base is flat **(see Fig. 12).**

Note: Reserve space before and behind the installation site.

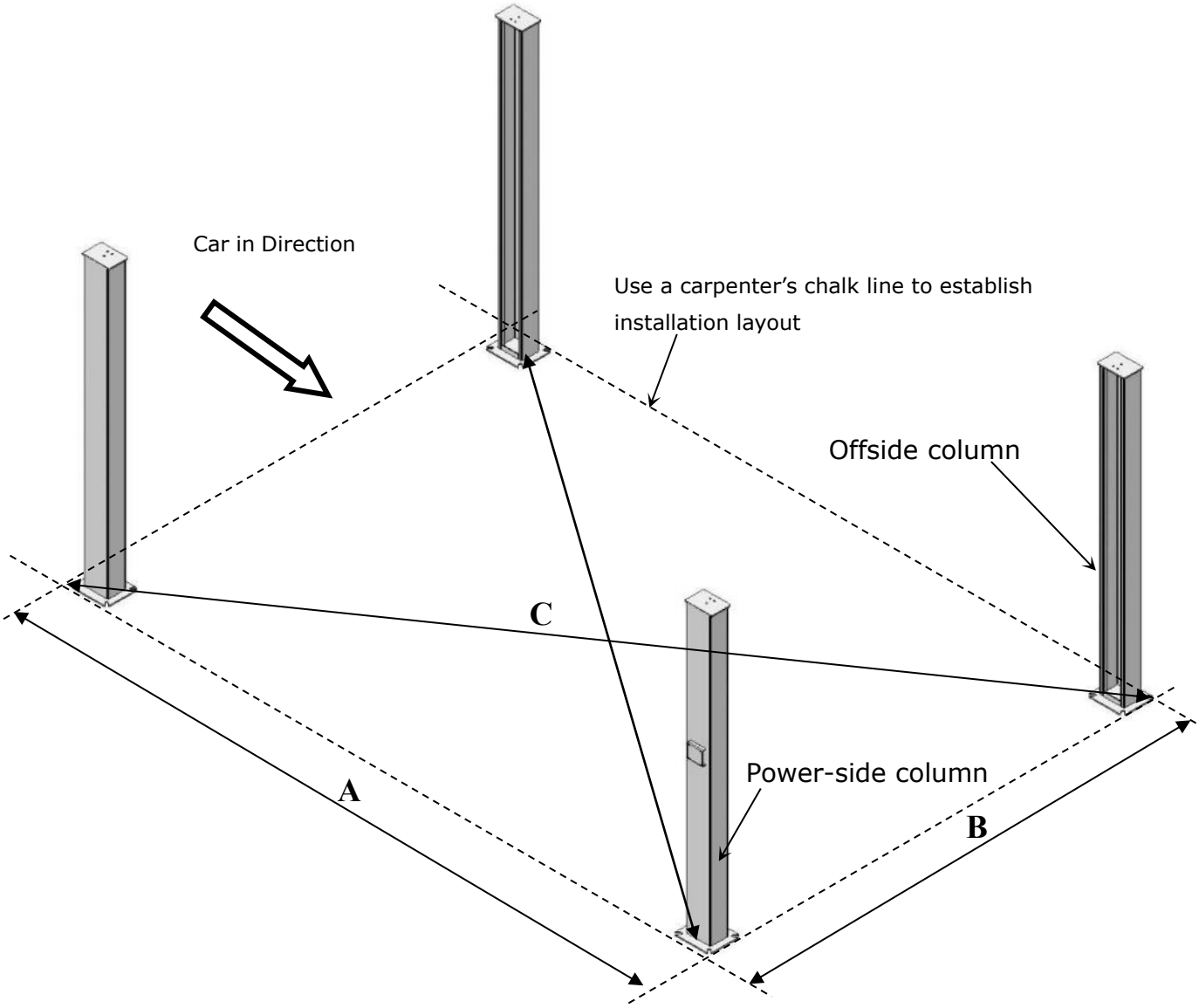


Fig. 12

Model	A	B	C
PRO-30	256-1/2″	149-3/8″	296-3/4″
PRO-30E	315-1/2″	149-3/8″	350″

D. Install cross beams (See Fig. 13).

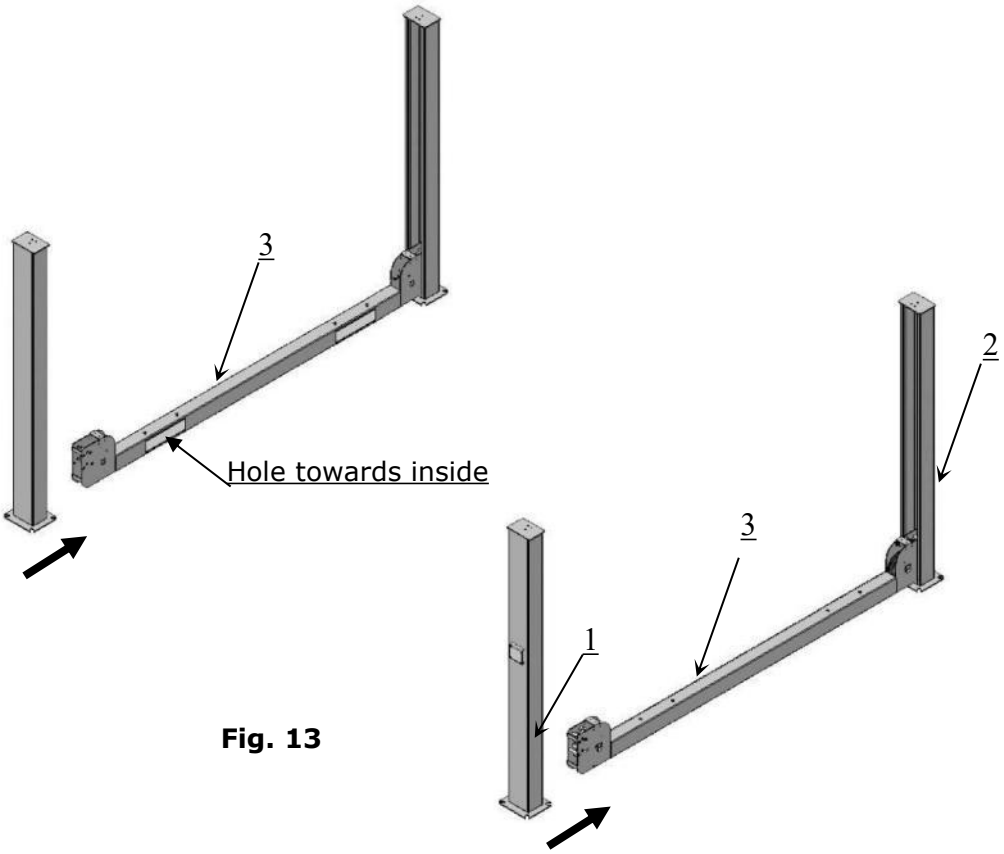


Fig. 13

E. Fix the anchor bolts

1. Prepare the anchor bolts **(See Fig. 14).**

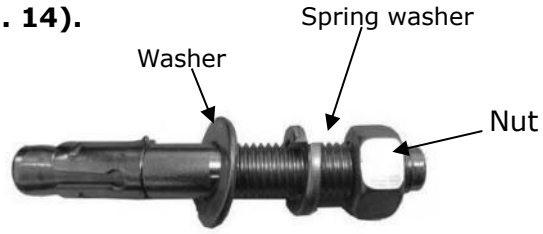


Fig. 14

2. Using the prescribed rotary hammer drill, and drill all the anchor holes and install the anchor bolts, do not tighten the anchor bolts first **(See Fig. 15).**

   Note: Minimum embedment of anchors is 4 3/8".

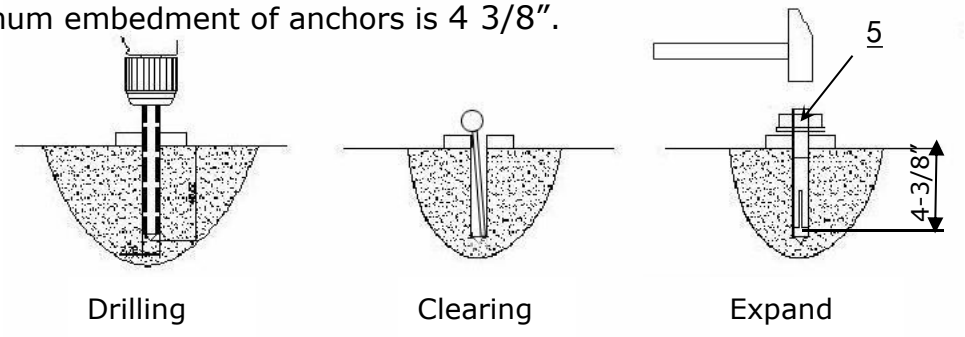


Fig. 15

F. Install the safety ladders

1. Take off the pulley safety cover and unscrew the four upper nuts of the Safety Ladders, and then adjust the four lower nuts to be at the same position, then install the safety ladders**(See Fig. 16)**.

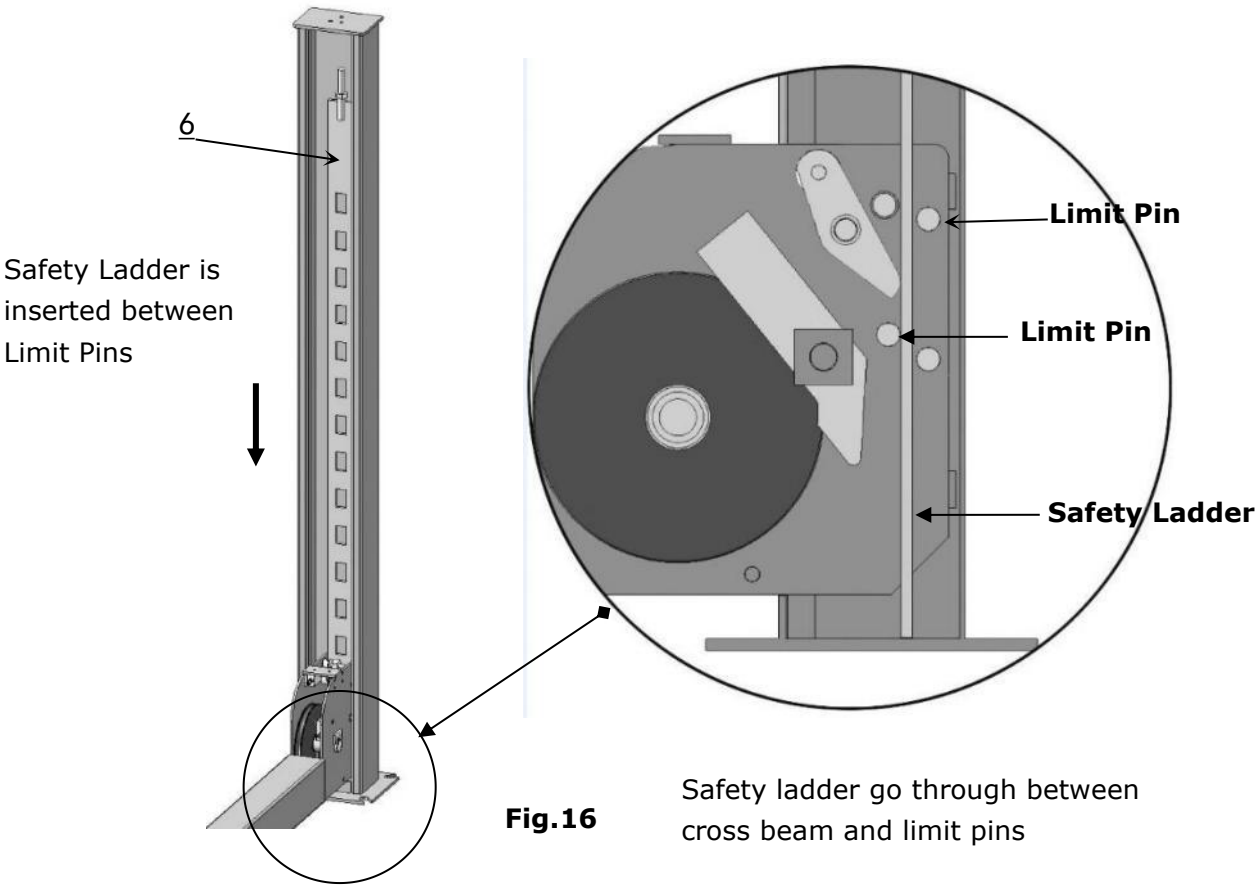
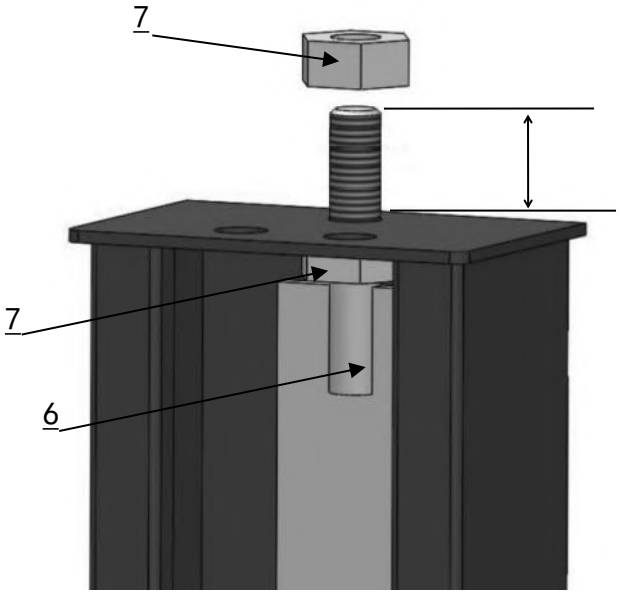


Fig.16

Safety ladder go through between cross beam and limit pins

2. Install safety ladders **(See Fig. 17)**



This height should be same for four safety ladders

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

Fig. 17

G. Put the Cross Beams at the same height (See Fig. 18).

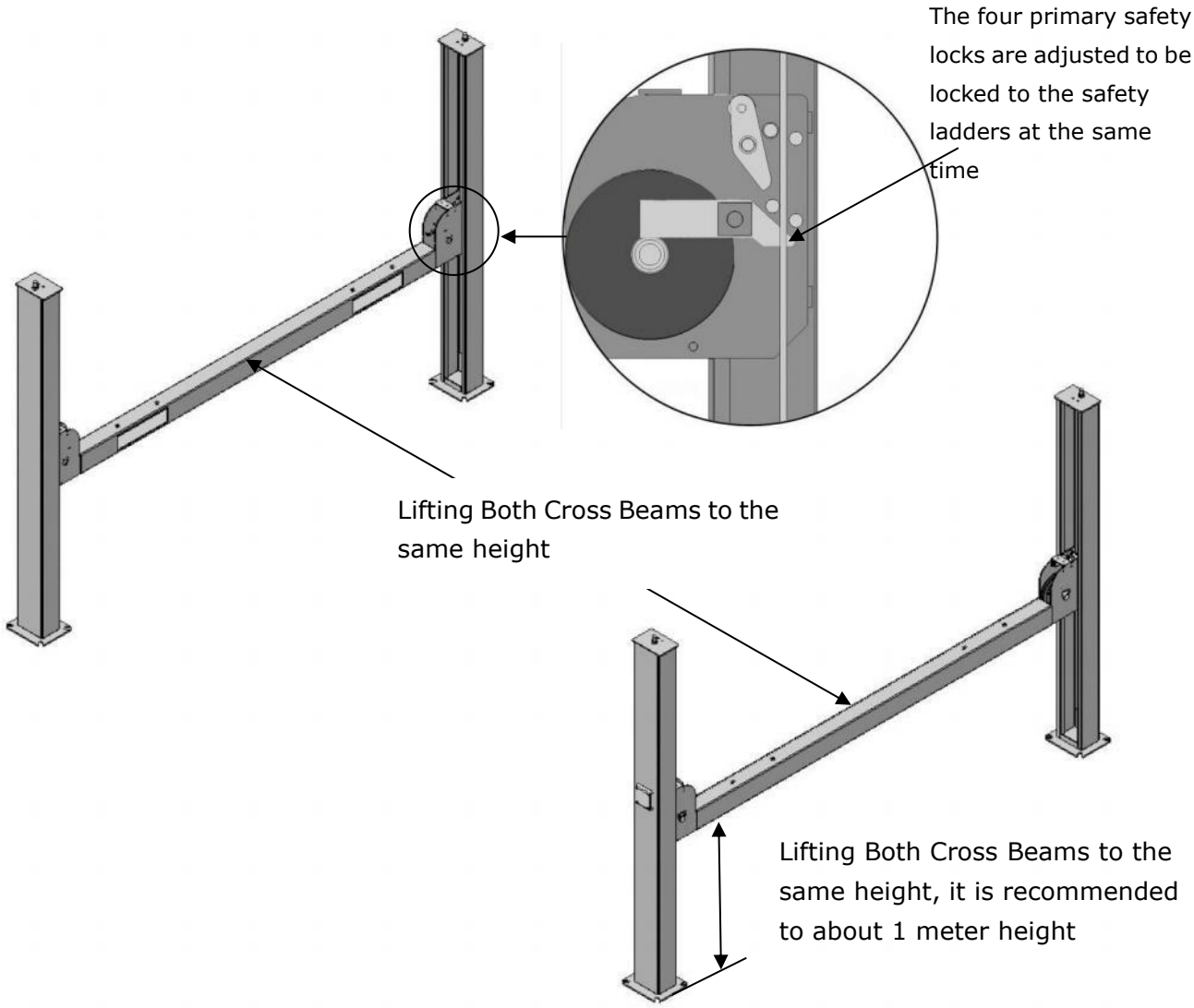
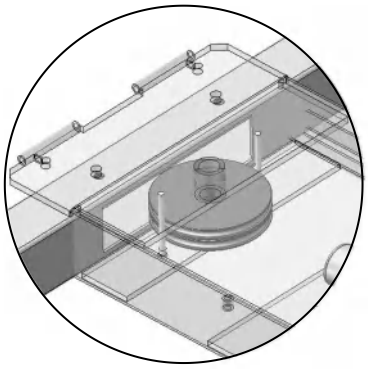


Fig. 18

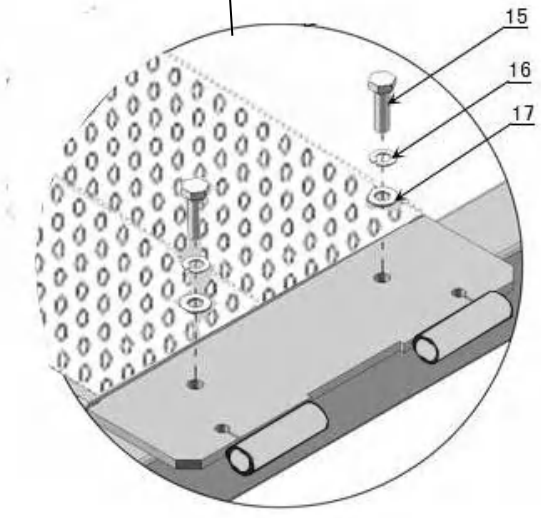
H. Install power side platform.

1. Put the power-side platform upon the cross beams by fork lift or manual, offset the cross beams to the outside till the pulleys of both platforms can set up into the cross beam **(See Fig.19)**, Install the power side platform and screw up the bolts **(See Fig.20)**

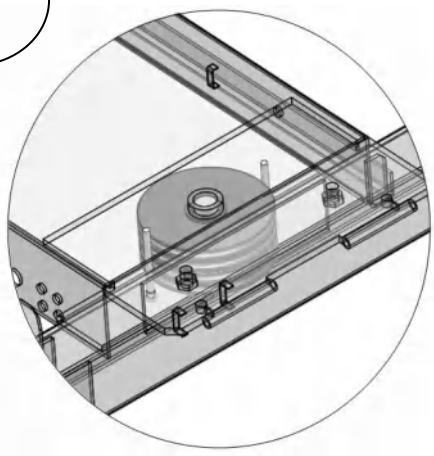
Offset the cross beam lean outward when putting the power side platform on the cross Offset the crossbeam and column



Assembly of 2 pulleys
A View
Fig.19

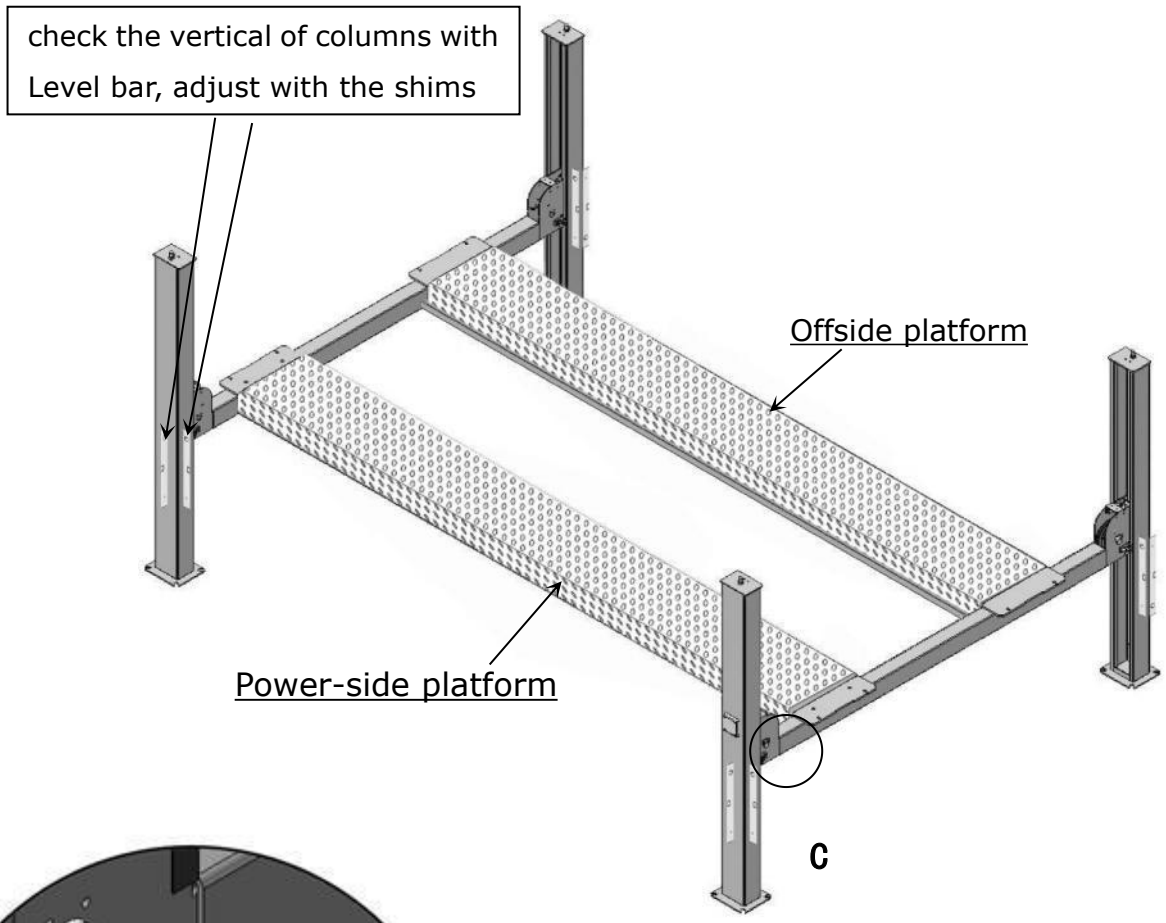


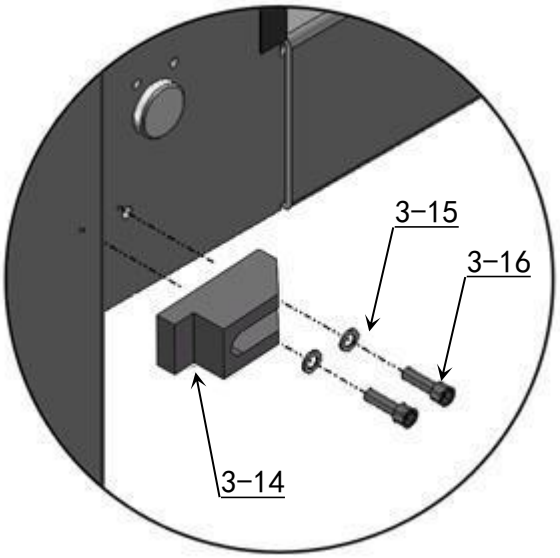
Install the power side platform with M30*60 hex bolt and screw up the bolts
Fig.20



Assembly of 4 pulleys
B View
Fig.19

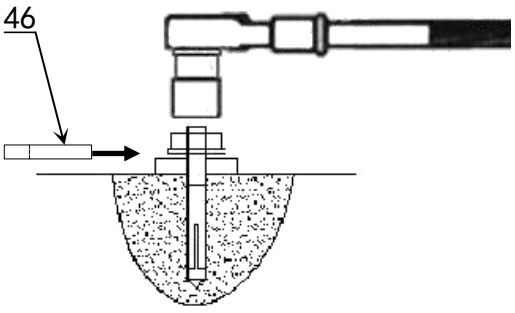
I. Assemble offside platform and slider block. (**see Fig.21**), check the vertical of columns with Level bar, adjust with the shims if not, and then tighten the anchor bolts **(See Fig. 22)**





Install the slider block
C View
Fig 21

Note: Torque of Anchors is 150N.m.

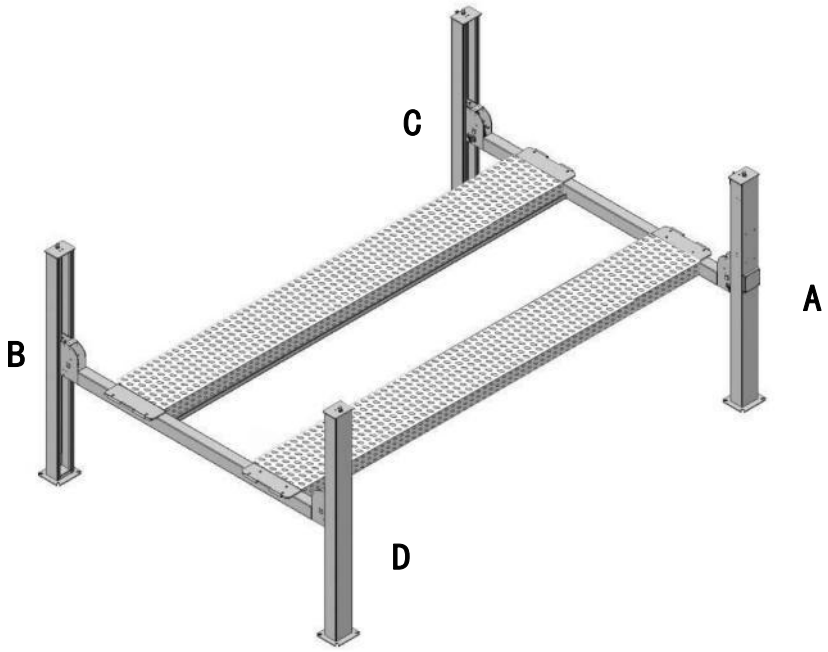


Using the ratchet spanner with socket to tighten the

Fig. 22

J. Install cables (See Fig. 23)

1. Pass through the cables from the platform to the columns according to the number of the cables



No. / Cable	①	②	③	④
PRO-30 Length (inc. connecting fitting)	202 1/8"	524 5/8"	280 7/8"	446 7/8"
PRO-30E Length (inc. connecting fitting)	191 1/2"	572 7/8"	270 1/8"	494 1/8"

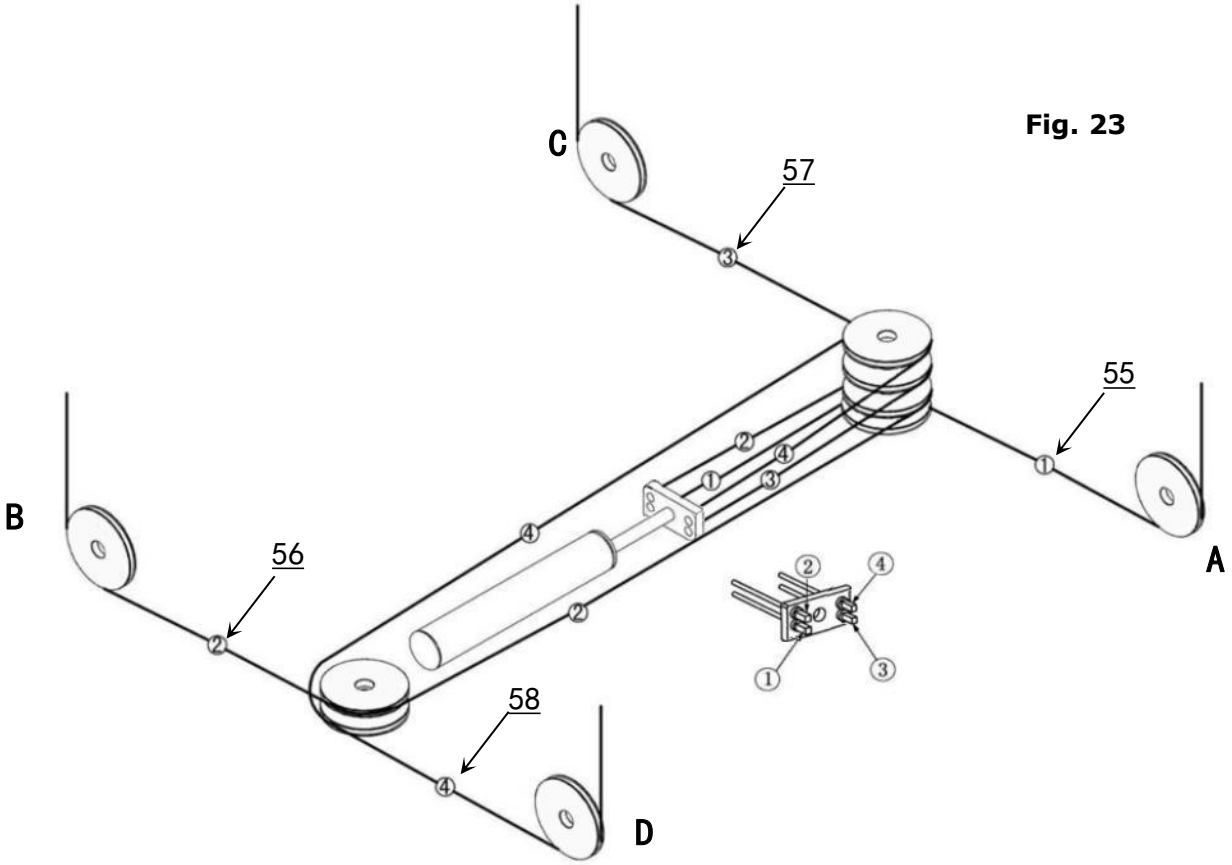
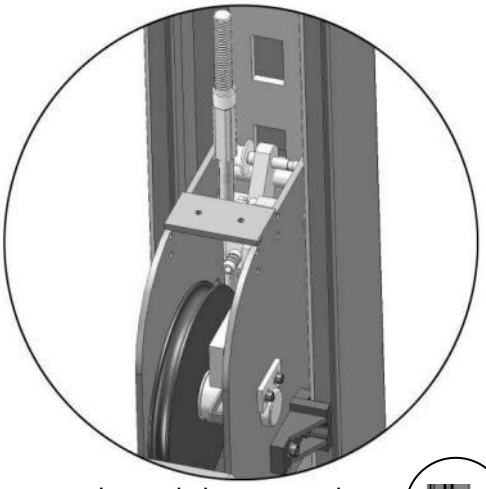


Fig. 23

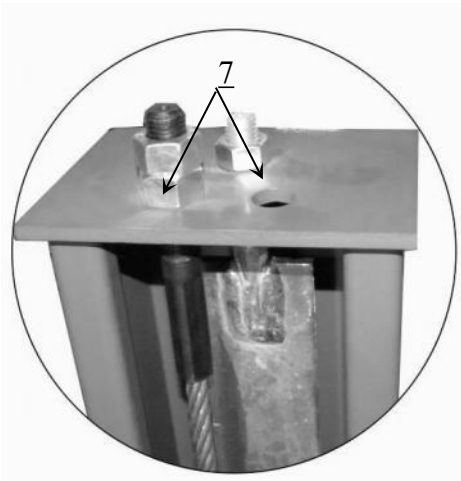
2. The cable pass through the cross beam to top plate of columns and be screwed with cable nuts **(See Fig. 24, Fig.25),** then install cable limit pin **(See Fig.26)**



Cable pass through between the big pulley and tension pulley

D View

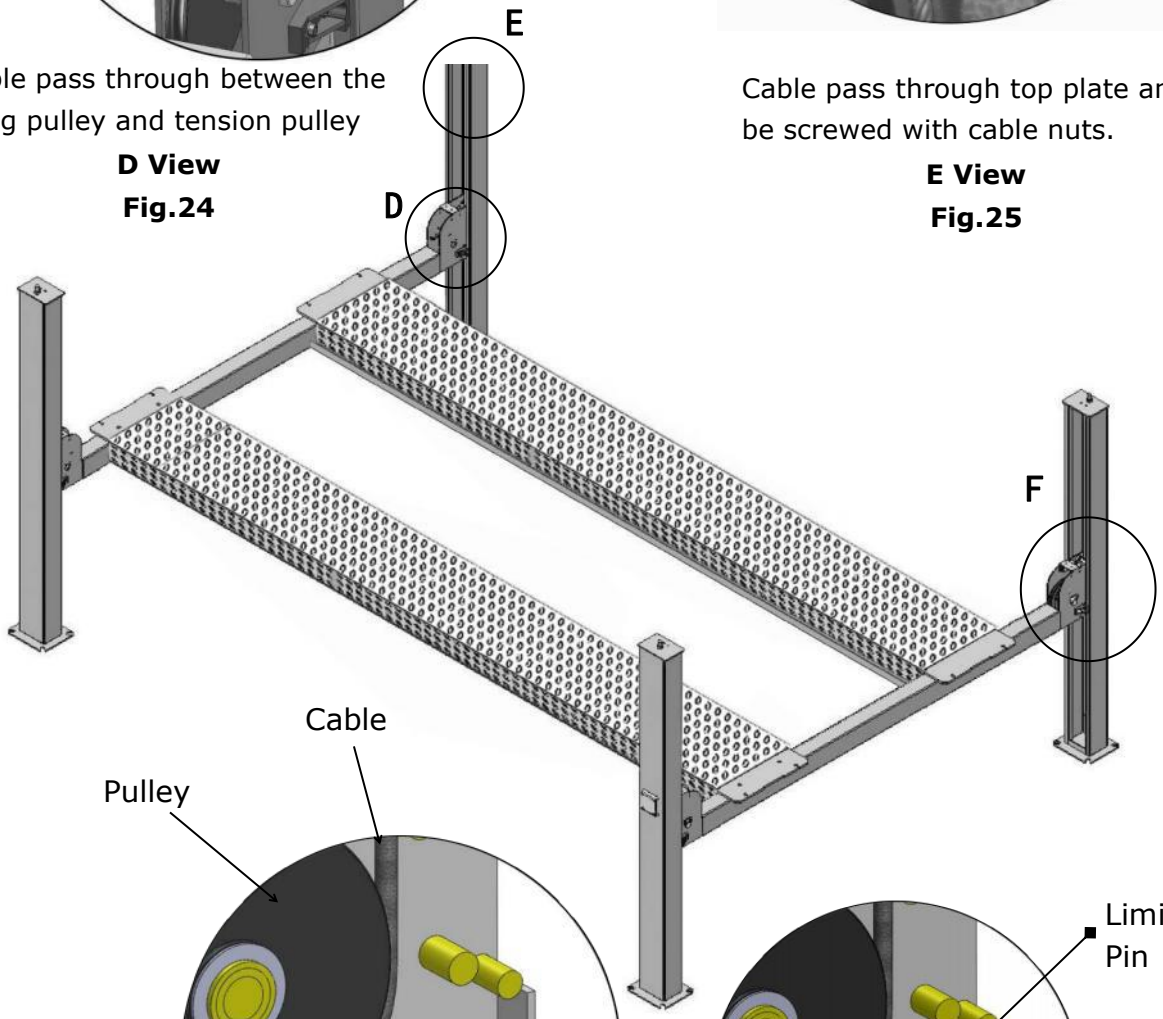
Fig.24



Cable pass through top plate and be screwed with cable nuts.

E View

Fig.25



Install cable limit pin

After installation

F View

Fig. 26

3. Illustration for platform cables **(See Fig. 27, Fig.28, Fig.29)**

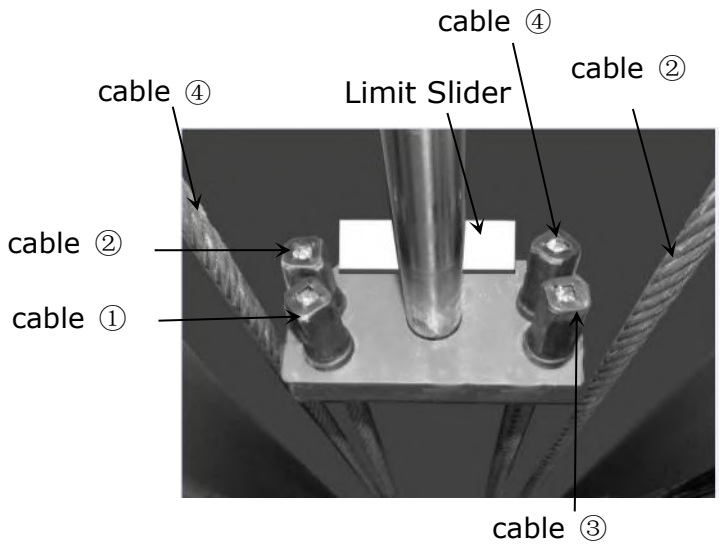


Fig.27

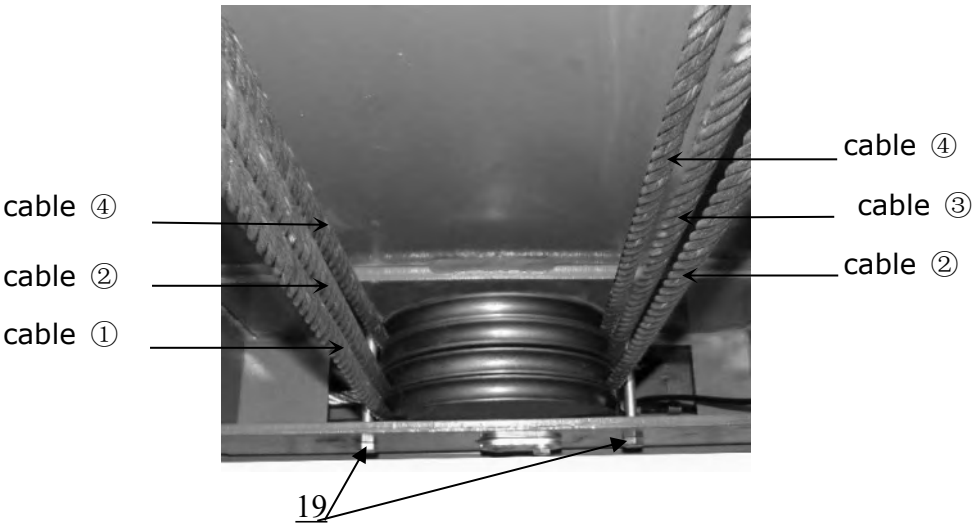


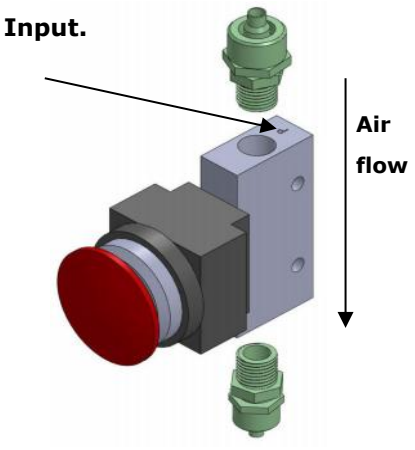
Fig.28



Fig.29

K. Install oil-water separator, manual control air valve and power unit

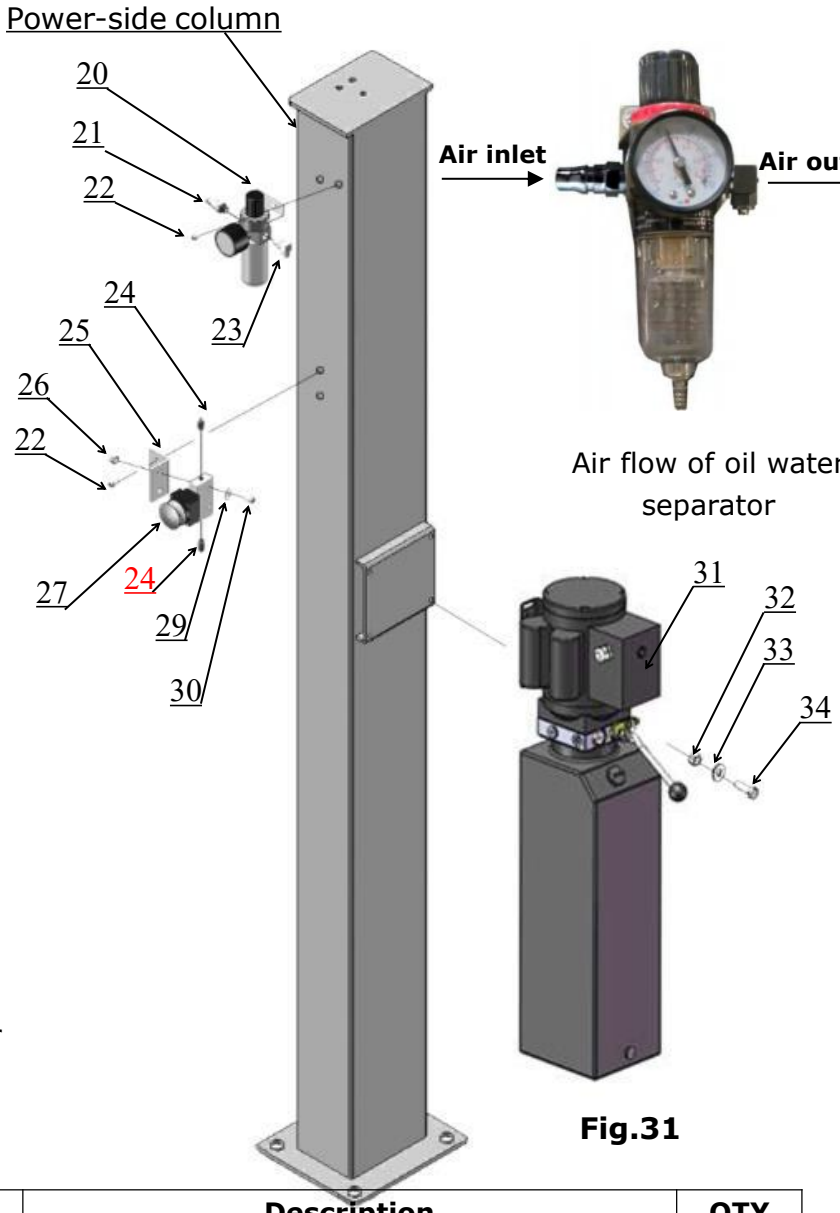
(See Fig. 30, Fig.31)



The side marking "P" on the air valve is Air Input.

Air flow of manual-control Air Valve

Fig.30



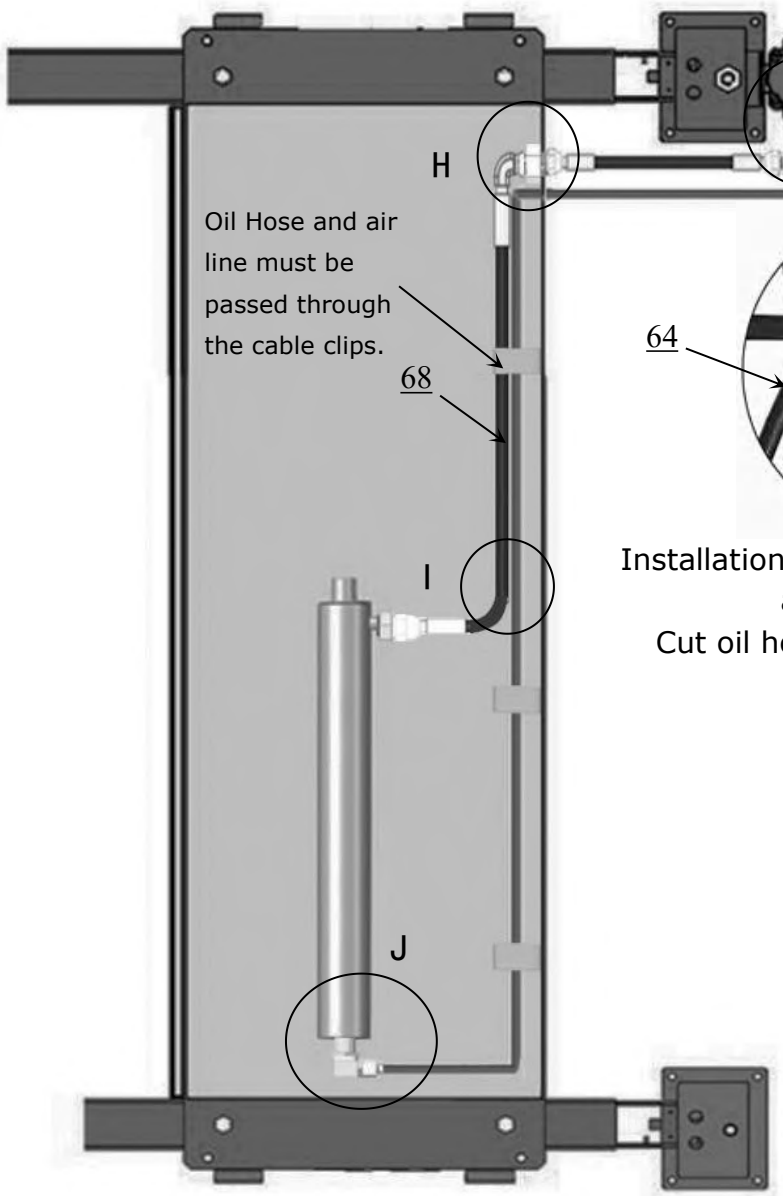
Air flow of oil water separator

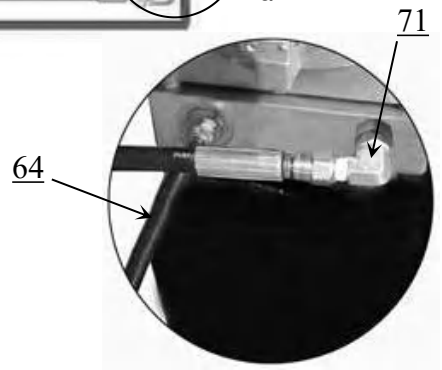
Fig.31

Item	Part#	Description	QTY
20	10420145	Oil/water separator AFR-2000	1
21	1004334013	Straight fitting for air line	1
22	10209009	Cap head bolt M6*8	10
23	10420076	90° fitting for air line 6*8 screw thread	1
24	10420159	Straight fitting for air line 6*8 crew thread	2
25	11420160	Fixing plate of Manual control valve	1
26	10420161	Self locking nut M4	2
27	10420162	Manual control air valve	1
28	10420163	Straight fitting for air line 6*4	1
29	10420148	Washer φ4	4
30	10420164	Cap head bolt M4*30	2
31	071107	Manual hydraulic power unit	1
32	10209005	Self locking nut M8	14
33	10209004	Rubber ring φ8*20*3	4
34	10209003	Hex bolt M8*25	4

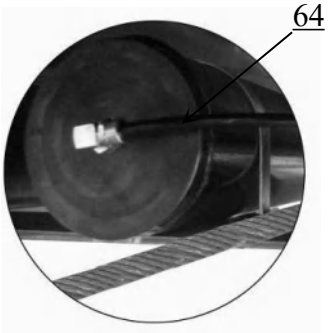
L. Install hydraulic system (See Fig. 32, Fig.33,Fig.34)

Note: Oil hoses and oil return pipe connected to oil cylinder must be passed above the cable and cylinder inlet port must swing upward to avoid the oil hose and oil return pipe scratched by cable **(see Fig.34)**

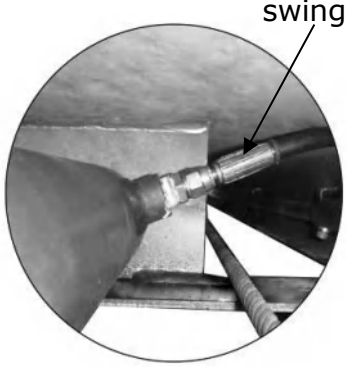




Installation diagram for oil return hose and oil inlet hose
Cut oil hoses length by user when installation
G view
Fig.32



Assembly of oil return pipe
J View
Fig.34



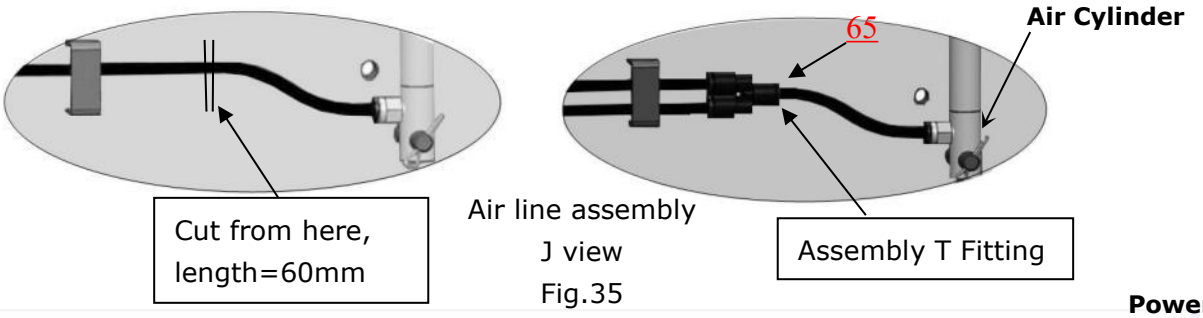
I View
Fig.33

M. Install air-line system

1. Cut ϕ8*ϕ6 black air line on the front and rear cross beam (cut the air line at the position about 60mm from air cylinder) , and then connect to T-fitting.**(See Fig.35)**

2. Connecting front and rear cross beam cylinders by using ϕ8*ϕ6 black air line (the actual length of air line can be cut by user) **(See Fig.36)**

3. Connecting air solenoid valve using ϕ8*ϕ6 black air line (the actual length of air line can be cut by user) **(See Fig. 37)**



Air line assembly
J view
Fig.35

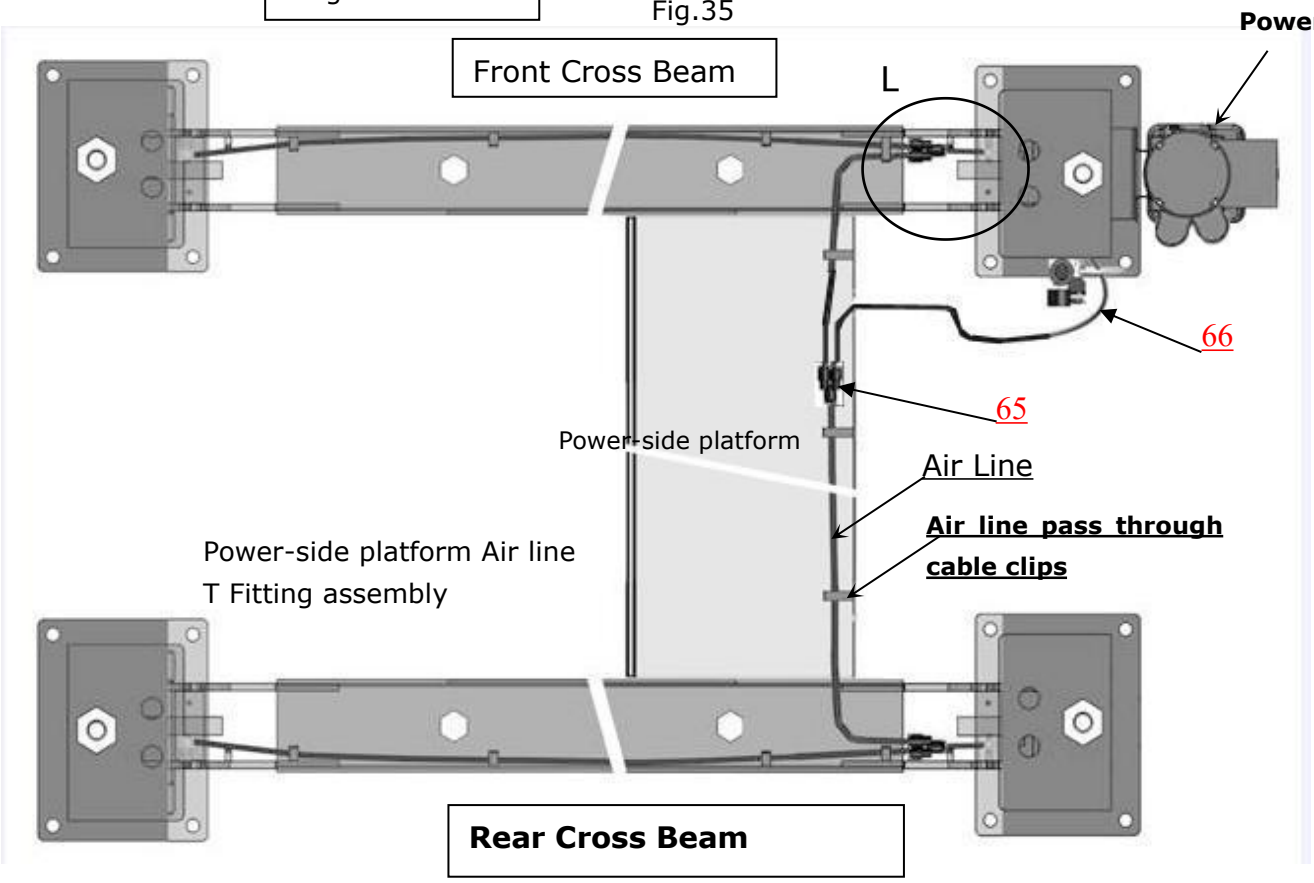


Fig.36

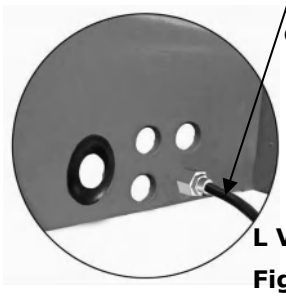


Fig 37

Item	Part#	Description	PRO-30	PRO-30E
65	85090120	T- Fitting For Air Line	3	3
66	10481013	Air Line φ6*φ8*10000mm (black)	1	0
	10481065	Air Lineφ6*φ8*11600mm(black)	0	1
67	10420167A	φ8*φ6*460mm black air line	1	1

4. Connect Airline with oil-water separator and manual control air valve. **(See Fig.38)**

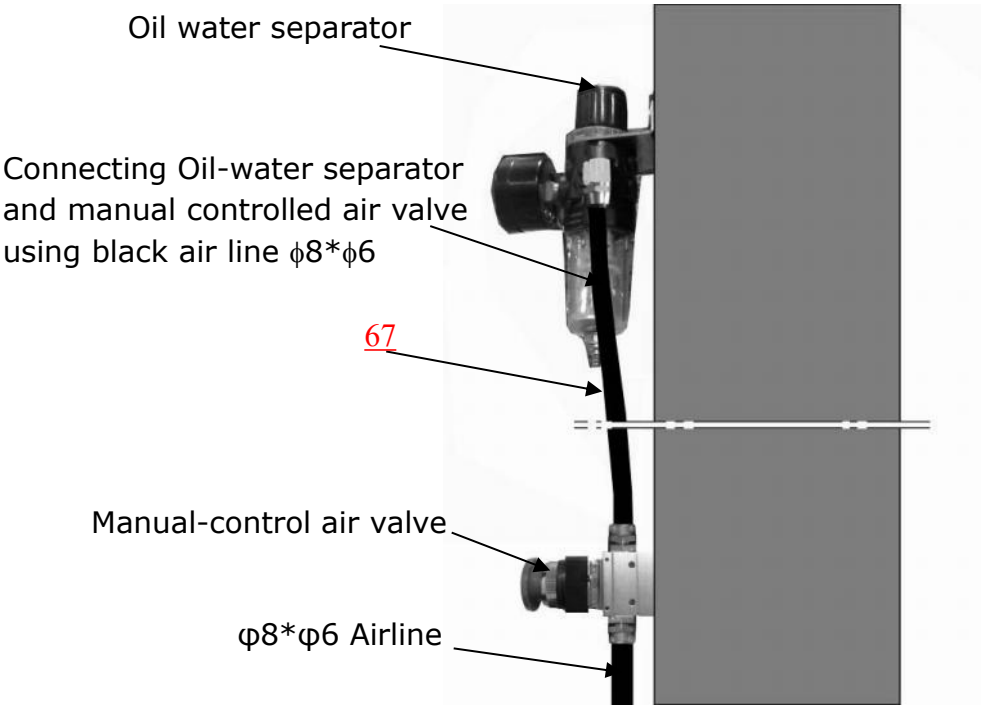
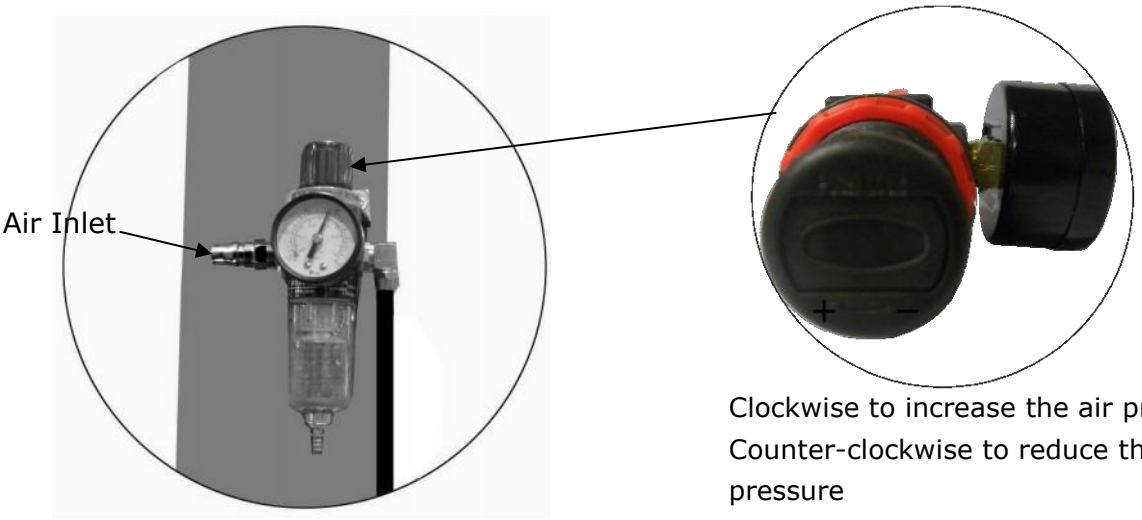


Fig.38

5. Connecting air inlet (Air supply pressure 5 kg/cm^2- 8 kg/cm^2), adjusting the air pressure of Oil-water separator to 0.8 MPa (**See Fig.39**)



Clockwise to increase the air pressure
Counter-clockwise to reduce the air pressure
Adjusting the air pressure to 0.8 MPa

Fig.39

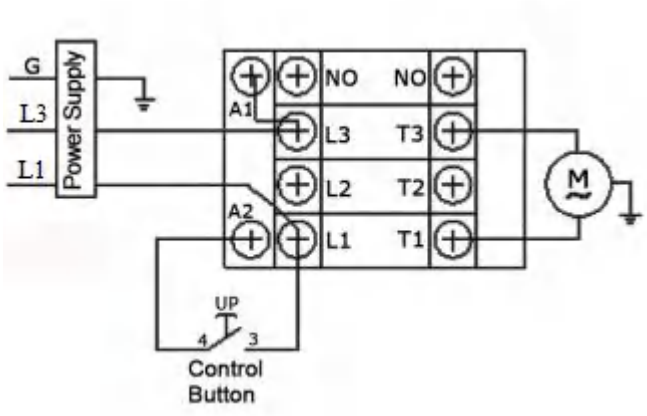
N. Install Electrical System

Connect the power source on the data plate of Motor.

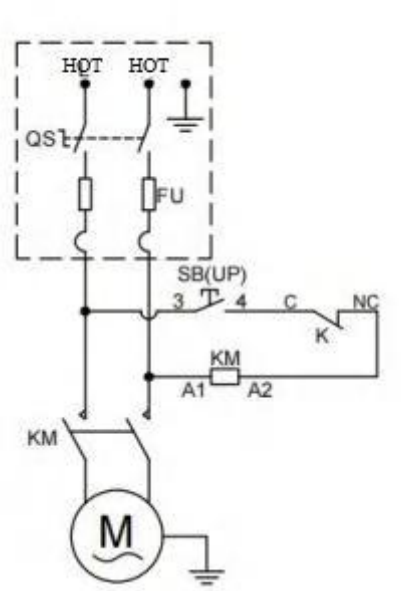
Single phase motor (See Fig. 40)

Connecting the two power supply wires (active wire **L1** and wire L3) to terminals of AC contactor marked L1, L3 respectively. Earth wire(yellow and green wire) is connected with the earth wire terminal of the motor

Motor wiring diagram of single phase power unit



Circuit diagram



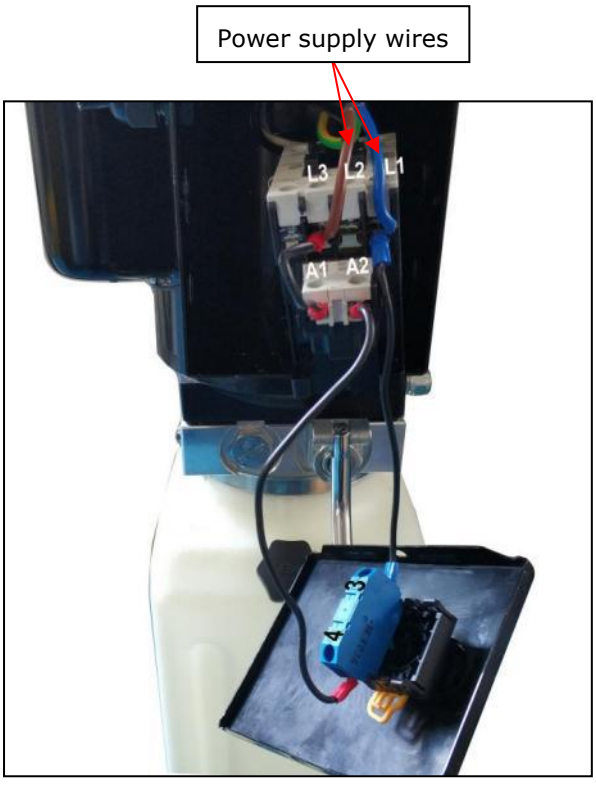


Fig. 40

O. Install spring and safety cover of cross beam (See Fig. 41)

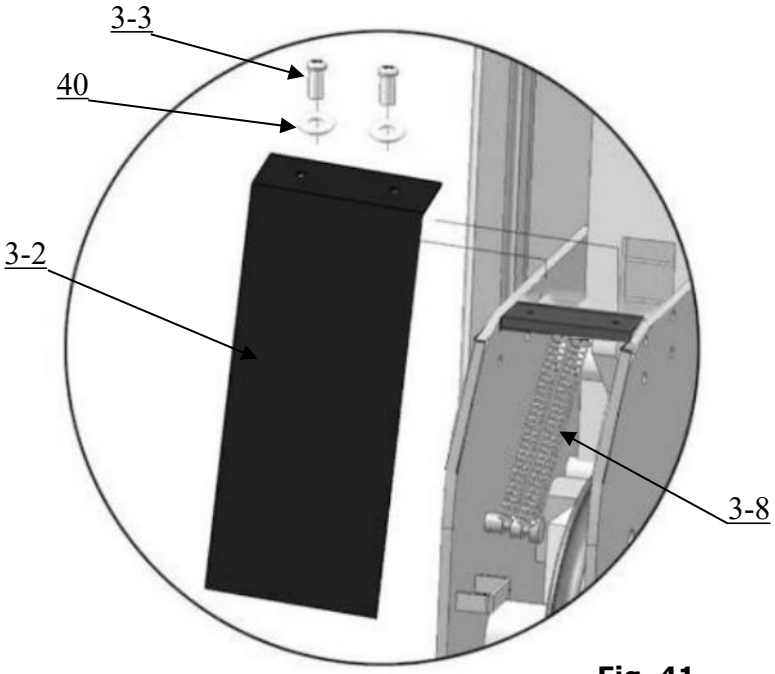


Fig. 41

P. Install Drive-in ramp, Tire stop plate. (See Fig. 42,Fig.43)

Install Drive-in ramp

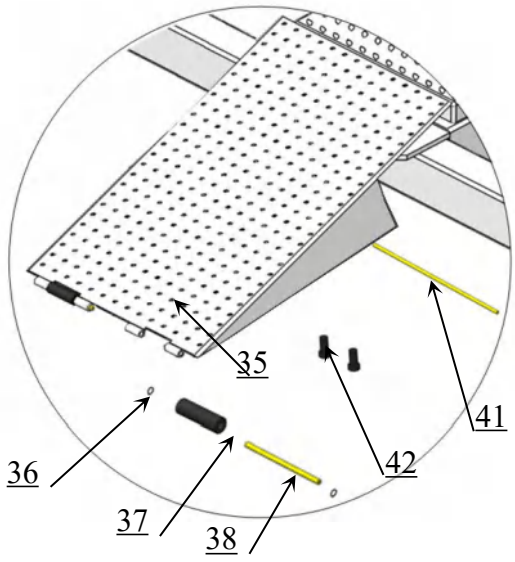


Fig.42

Install Tire stop plate

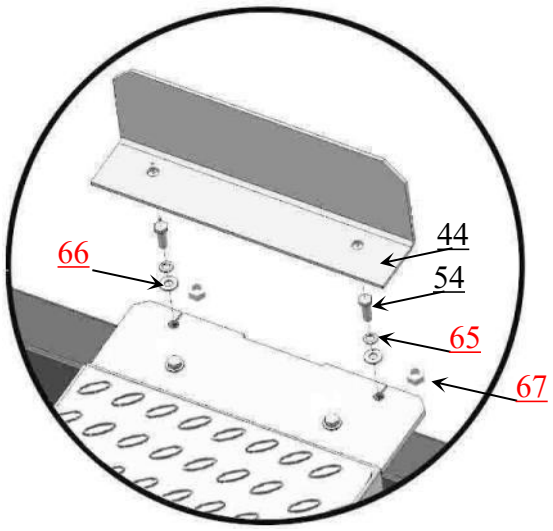


Fig. 43

Q. Install Extension Kit (optional)

1. Lift the equipment to about 1400mm from ground, lock it to the safety ladder, remove the cable limit bolts and platform fixing bolts (**see Fig.39, Fig 40**)

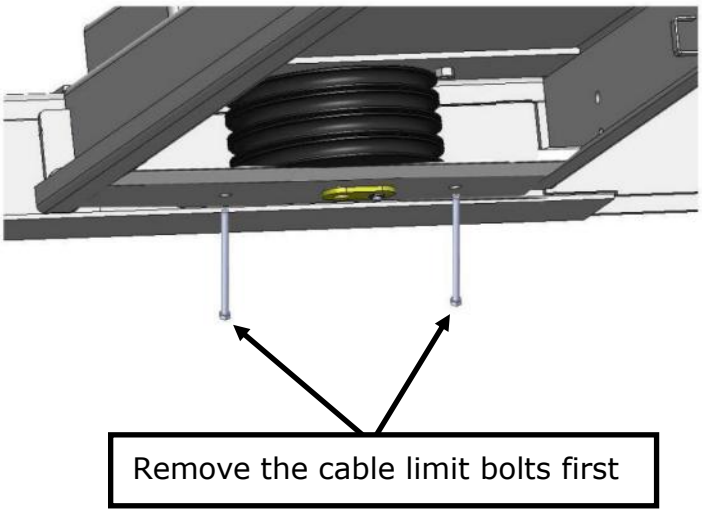


Fig.44

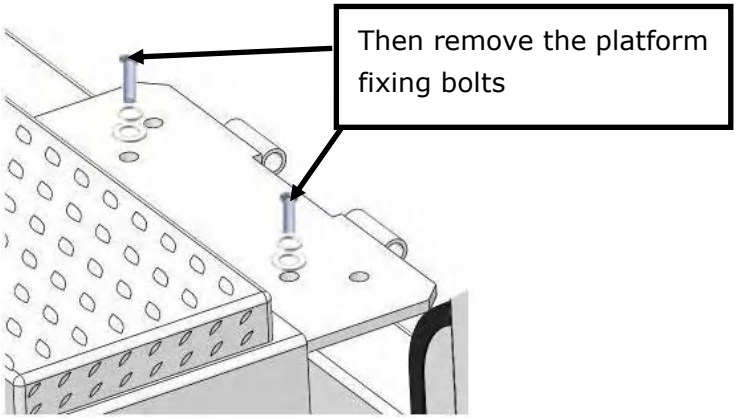


Fig.45

2.Put the extension kits into the platform, then tighten with the bolts. (**see Fig.46, Fig.47**)

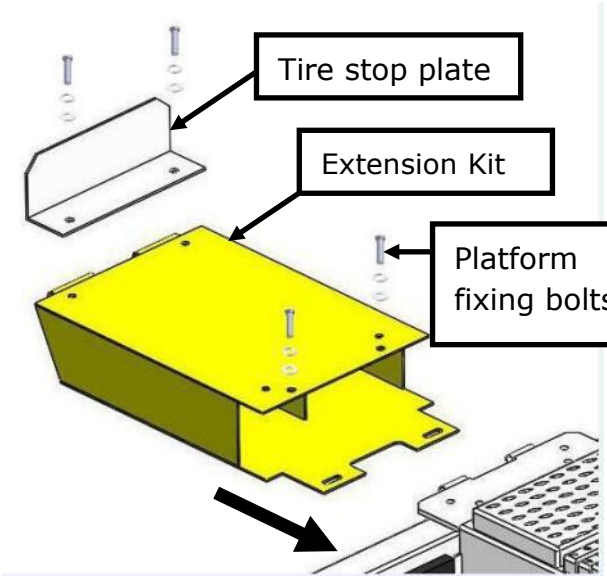


Fig.46

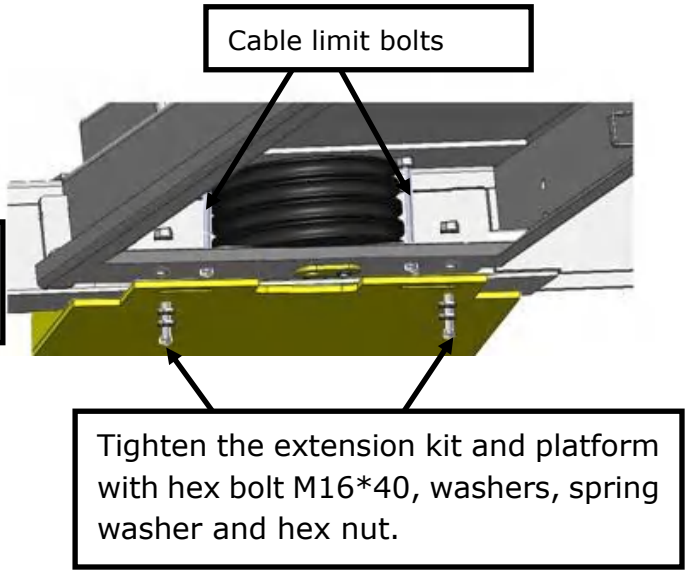


Fig.47

Item.	Part#	Description	Quantity	Available for
1	1043001	Extension Kit	1set (2 pcs)	PRO-30

IV. EXPLODED VIEW

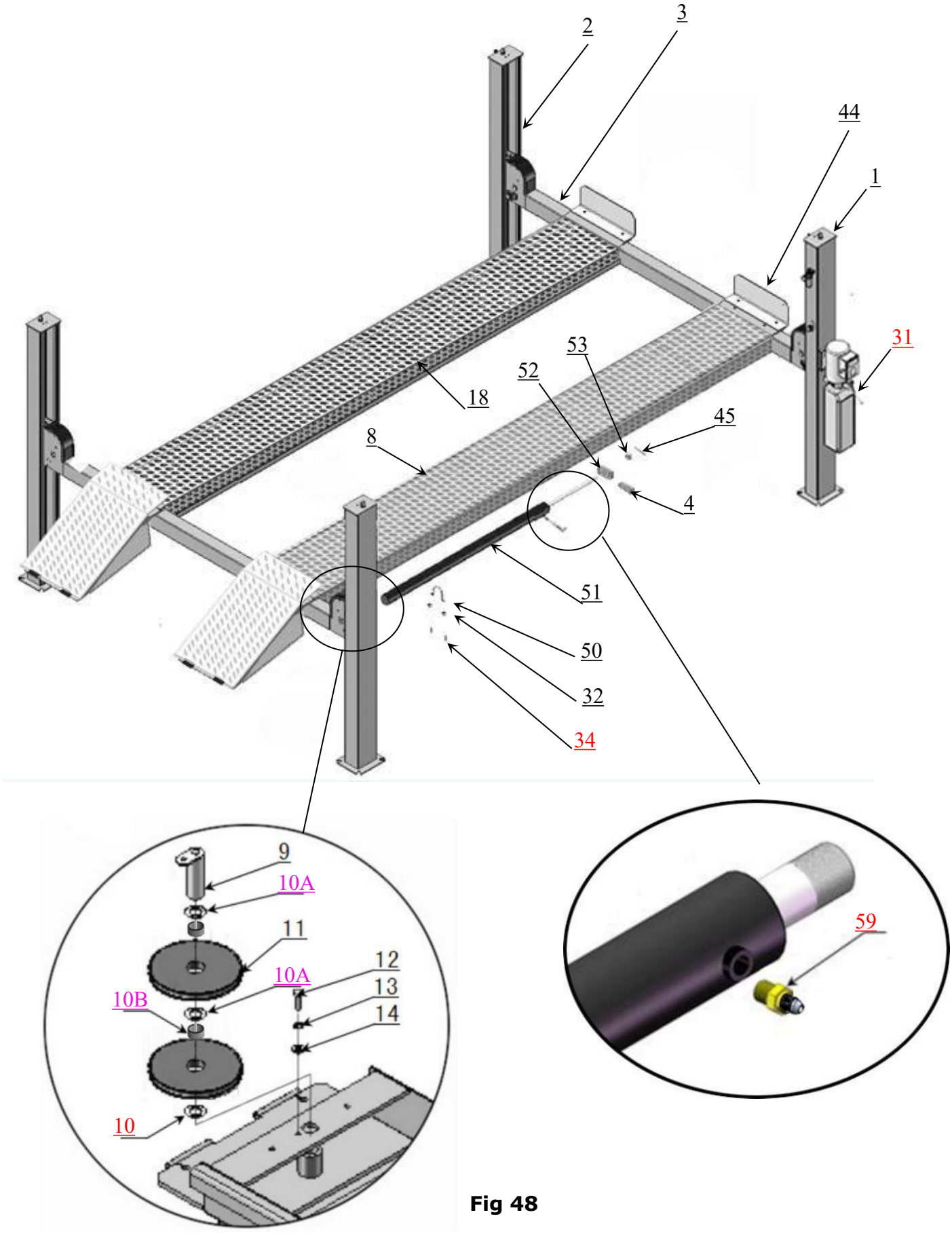


Fig 48

Parts list for PRO-30 PRO-30E

Item	Part#	Description	PRO-30	PRO-30E
1	1104481002	Power side Column	1	1
2	11481641	Offside Column	3	3
3	10481076	Cross Beam Assy.	2	2
4	10481023	Slider block (HK018)	1	1
5	10201140	Anchor Bolt 3/4*6-1/2	16	16
6	11481036	Safety Ladder	4	4
7	10481018	Hex Nut M33*3.5	16	16
8	11481041	Power-side Platform	1	0
	11481067		0	1
9	11481035	Pulley shaft	2	2
10	10481069	Pulley washerφ115*φ76*2	10	10
10A	10481021-01	Pulley washerφ120*φ76*8（HK017）	4	4
10B	10481025	Bronze Bush φ85*φ75*30	10	10
11	11481639	Pulley ϕ310*32	6	6
12	10206017	Hex bolt M8*20	2	2
13	10209039	φ10 Spring Washer	2	2
14	10209022	φ10*1.5 Washer	2	2
15	10481004	Hex bolt M30*60	8	8
16	10481006	φ30 Spring Washer	8	8
17	10481005	φ30 Washer	8	8
18	11481042	Offside platform	1	0
	11481068		0	1
19	10481017	Hex bolt M12*200	4	4
20	10420145	Oil-water separator AFR-2000	1	1
21	10420146	Straight fitting for air line	1	1
22	10209009	Cap head bolt M6*8	10	10
23	10420076	90° fitting for air line 6*8	1	1
24	10420159	Straight fitting for air line 6*8	1	1
25	11420160	Fixing plate of Manual control valve	1	1
26	10420161	Self locking nut M4	2	2
27	10420162	Manual control air valve	1	1
28	11481617	Pulley ϕ204*32	4	4
29	10420148	φ4 Washer	4	4
30	10420164	Cut head bolt M4*30	2	2
31	071107	Manual hydraulic power unit	1	1
32	10209005	Self locking nut M8	14	14
33	10209004	Rubber ring φ8*20*3	4	4
34	10209003	Hex Bolt M8*25	6	6
35	11481044	Drive-in ramp	2	2
36	11610667	Drive-in ramp pulley	4	4
37	11620043	Drive-in ramp pulley pin	4	4
38	10209010	φ10 Snap ring	12	12
39	10420156	Protecting ring φ24	1	1
40	10420045	φ6 Washer	20	20

Item	Part#	Description	PRO-30	PRO-30E
41	11481016	Pin for Drive-in ramp	2	2
42	10420005	Fixing bolt M5*8	4	4
43	10481500	Parts box	1	1
44	11481638	Tire stop plate	2	2
45	10481020	Split pin φ5*60	1	1
46	10620065	Shim （2mm）	20	20
	10201090	Shim （1mm）	20	20
47	10209056	Self locking nut M10	4	4
48	11481046	Cable limit pin	4	4
49	10420016B	Platform lock plate φ40*2*1500mm	1	1
50	11481034	Fixed ring for cylinder	1	1
51	10481045	Cylinder φ120*1650	1	1
52	11481637	Cylinder connecting plate	1	1
53	10481019	Hex nut M39*4	1	1
54	10481001	Hex screw M24	4	4
55	10481007-01	① Cable φ19*202 1/8"	1	0
	10481079-01	① Cable φ19*191 1/2"	0	1
56	10481010-01	② Cable φ19*524 5/8"	1	0
	10481082-01	② Cable φ19*572 7/8"	0	1
57	10481008-01	③ Cable φ19*280 7/8"	1	0
	10481080-01	③ Cable φ19*270 1/8"	0	1
58	10481009-01	④ Cable φ19*446 7/8"	1	0
	10481081-01	④ Cable φ19*494 1/8"	0	1
59	11420119	Ftting 1/4JIC(M)*3/8NPT(M)	1	1
60	10201114	Spring Washer φ20	1	1
61	10209128	Washer φ20	1	1
62	10420175A	Hex screw M20	1	1
63	10420166	90° Fitting	1	1
64	10481013	Oil Return pipe (black) φ6*φ4*287 3/8"	1	0
	10481066-01	Oil Return pipe (black)φ6*φ4*276 5/8"	0	1
65	85090120	Y fitting for air hose	3	3
66	10481013	Air hose φ6*φ8*393 3/4" (black)	1	0
	10481065	Air hose φ6*φ8*456 3/4" (black)	0	1
67	10420167A	Air hose φ6*φ8*18 1/8" (black)	1	2
68	10481012-03	Oil hose 5/16”*147"	1	0
	1048108301-02	Oil hose 5/16”*135 1/4"	0	1
69	10420120	Fitting 1/4″ JIC(M)* 1/4″ JIC(M)	1	1
70	10160038	Oil Hose 5/16”*59"	1	1
71	10209060	90° Fitting for power unit 3/8'SAEO/R(M)*1/4'JIC(M)	1	1
72	1104354001	Backing plate φ54*20	4	4

4.1 Crossbeam (11481043) Exploded View

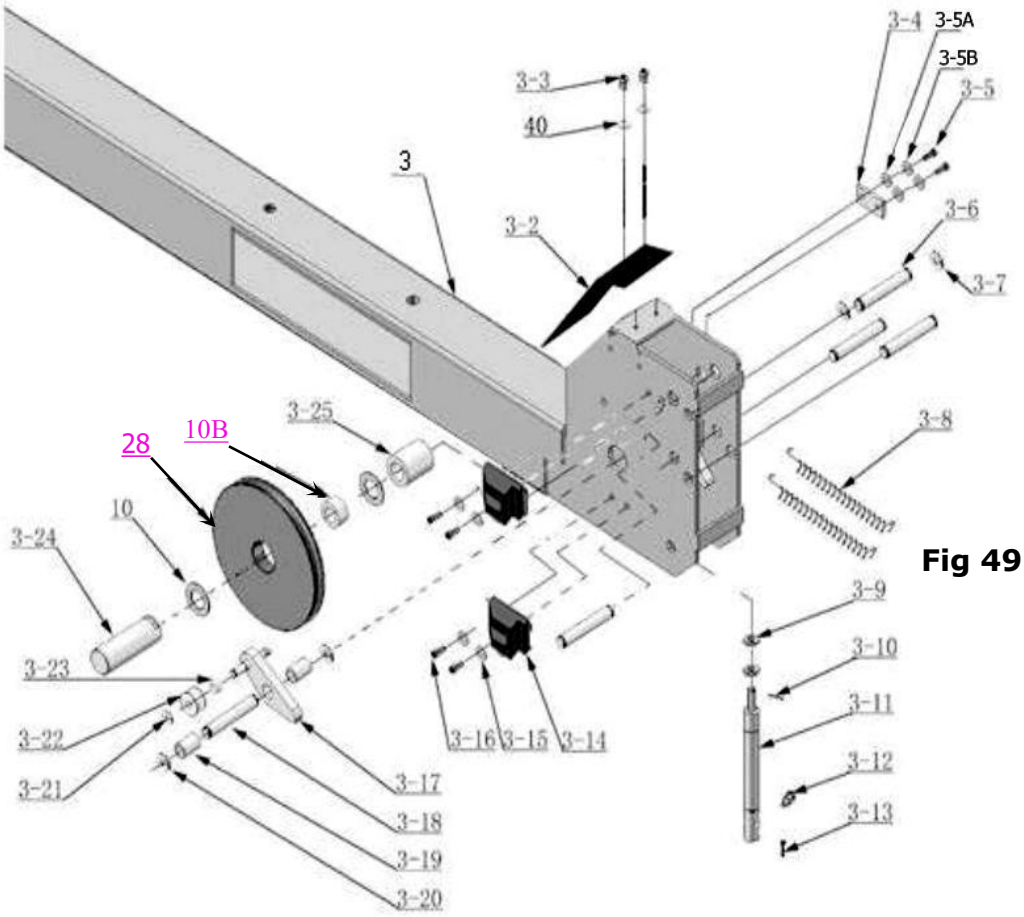
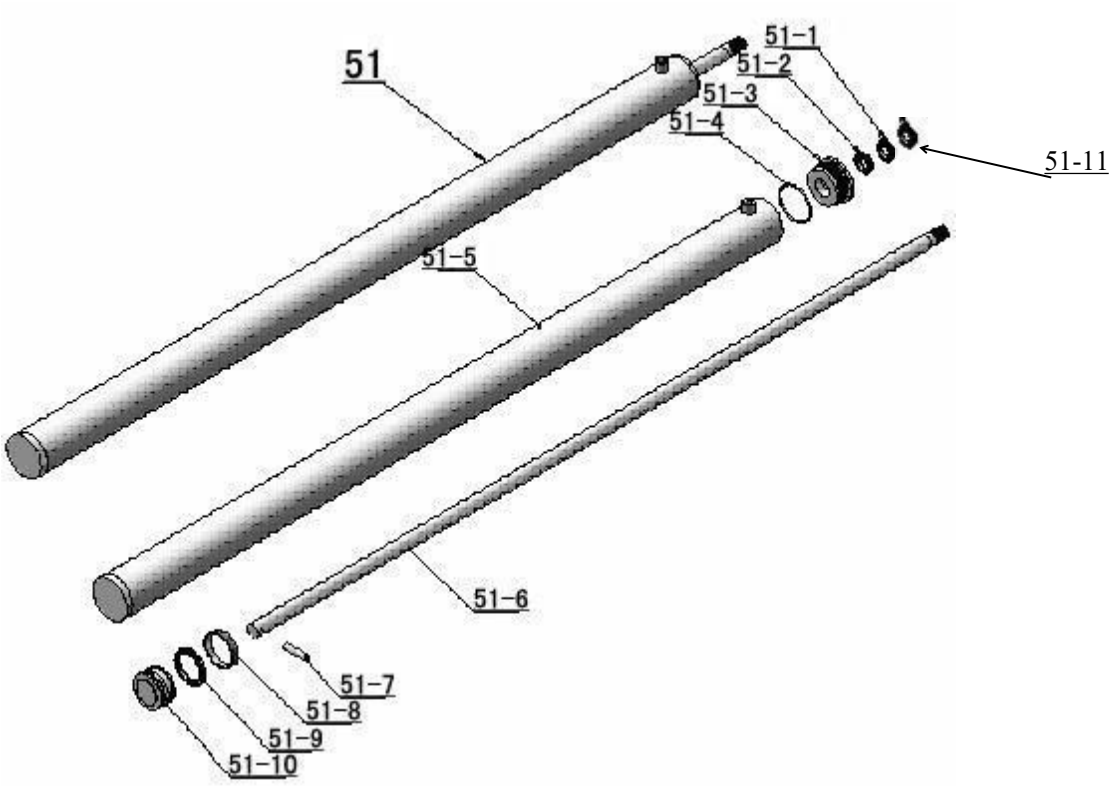


Fig 49

Item	Part#	Description	QTY
3-1	11481043	Cross Beam Assy.	2
3-2	11481618	Cross Beam Cover	4
3-3	10209009	Cap Head Bolt M6*8	8
3-4	1104332001-01	Limit Plate 7.75*70*40	4
3-5	10101029	Socket Bolt M12*20	8
3-5A	10420026	Spring Washer φ12	8
3-5B	10206006	Washer φ12	8
3-6	11481029	Pin φ16*148	12
3-7	10420037	φ16 Snap Ring	24
3-8	10420033	Spring 14*1.8*100	8
3-9	10209021	Hex Nut M10	8
3-10	10420049	Split Pin φ2*16	4
3-11	10400020	Air Cylinder Φ20*35	4
3-12	10481073	Fitting for Air Cylinder	4
3-13	10420046	Split Pin φ4*30	4
3-14	10481070	Slider Block（HK020）	16
3-15	10209033	φ8 Washer	40
3-16	10420043	Socket Bolt M8*20	32
3-17	11481642	Slack-cable safety lock (Left)	2
	11481643	Slack-cable safety lock (Right)	2

3-18	11481028	φ30 Pin	8
3-19	11481032	Pin Bush For Slack-cable Safety Lock	8
3-20	10610008	φ30 Snap Ring	16
3-21	10209010	φ10 Snap Ring	4
3-22	10481027	Tension Pulley	4
3-23	11420174	Spacer	4
3-24	11481030-01	Pulley shaft φ75*151	4
3-25	11481031	Pulley Bush	4

4.2 Cylinder (10481045) Exploded View



Item	Part#	Description	QTY
51-1	10209078A	Dust Ring	1
51-2	1004336001	Y- Ring IDI φ40*φ50*8	1
51-3	11481053-01	Head Cap	1
51-4	1004336002	O- Ring φ120*5.3 90°	1
51-5	11481055	Bore Weldment	1
51-6	11481049	Piston Rod	1
51-7	11481040	Pin	1
51-8	10520056-01	Support Ring Φ114*Φ120*20*3	1
51-9	10520055	Y- Ring OSI Φ105*Φ120*9	1
51-10	11481054	Piston	1
51-11	1004336003	Support Ring φ40*φ46*15*3	1

4.3 Power Unit (071107) Exploded View

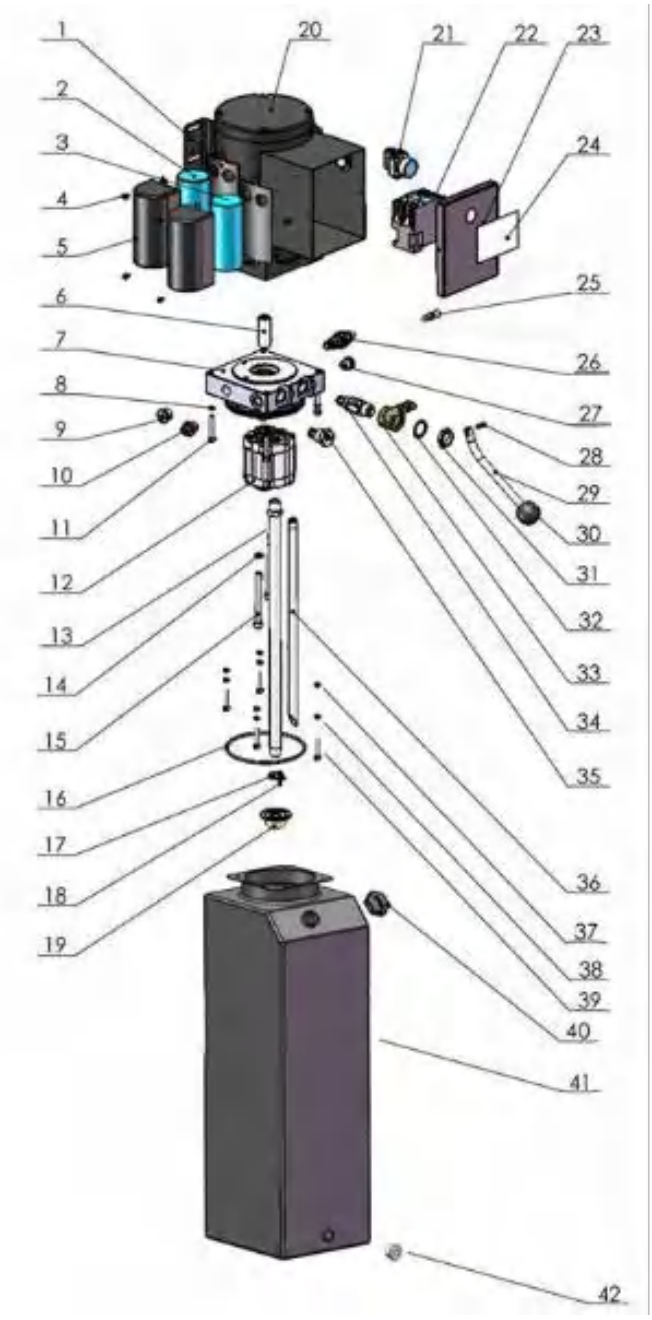


Fig.51 220V/60Hz Single Phase Manual Power Unit Exploded View

Part lift for 220V/60Hz Single Phase Manual Power Unit

Item	Part#	Description	QTY
1	81400180	Rubber pad	2
2	81400250	Start capacitor	1
3	81400200	Run capacitor	1
4	10420148	Cap head bolt	6
5	81400066	Capacitor cap	2
6	81400363	Motor Connecting Shaft	1
7	81400369	Manifold block	1
8	10209149	Spring washer	4
9	81400276	Iron plug	1
10	81400259	Red rubber plug	1
11	85090142	Socket bolt	4
12	81400292	Gear Pump	1
13	81400589	Oil suction pipe	1
14	10209034	Spring washer	2
15	81400295	Socket bolt	2
16	81400365	O Ring	1
17	10209152	Ties	1
18	85090167	Magnet	1
19	81400290	Filter net	1
20	81400413	Motor	1
21	10420070	Push button	1
22	41030055	AC contactor	1
23	81400287	Cover of Motor Terminal Box	1
24	71111168	Sticker for AMGO Power unit	1
25	81400560	Throttle valve	1
26	81400266	Relief valve	1
27	81400284	Iron plug	1
28	10720118	Elastic pin	1
29	81400451	Handle of Release Valve	1
30	10209020	Plastic ball for release handle	1
31	81400125	Release valve nut	1
32	81400422	Self-locking washer	1
33	81400449	Valve seat (low)	1
34	81400567	Release valve (low)	1
35	81400566	Check valve	1
36	81400367	Oil return pipe	1
37	10420152	Washer	4
38	10209143	Spring washer	4
39	81400438	Hex bolt	4
40	81400263	Oil tank cap	1
41	81400563	Oil tank	1
42	81400276	Iron plug	1

Illustration of Hydraulic Valve for power unit （See Fig.52）

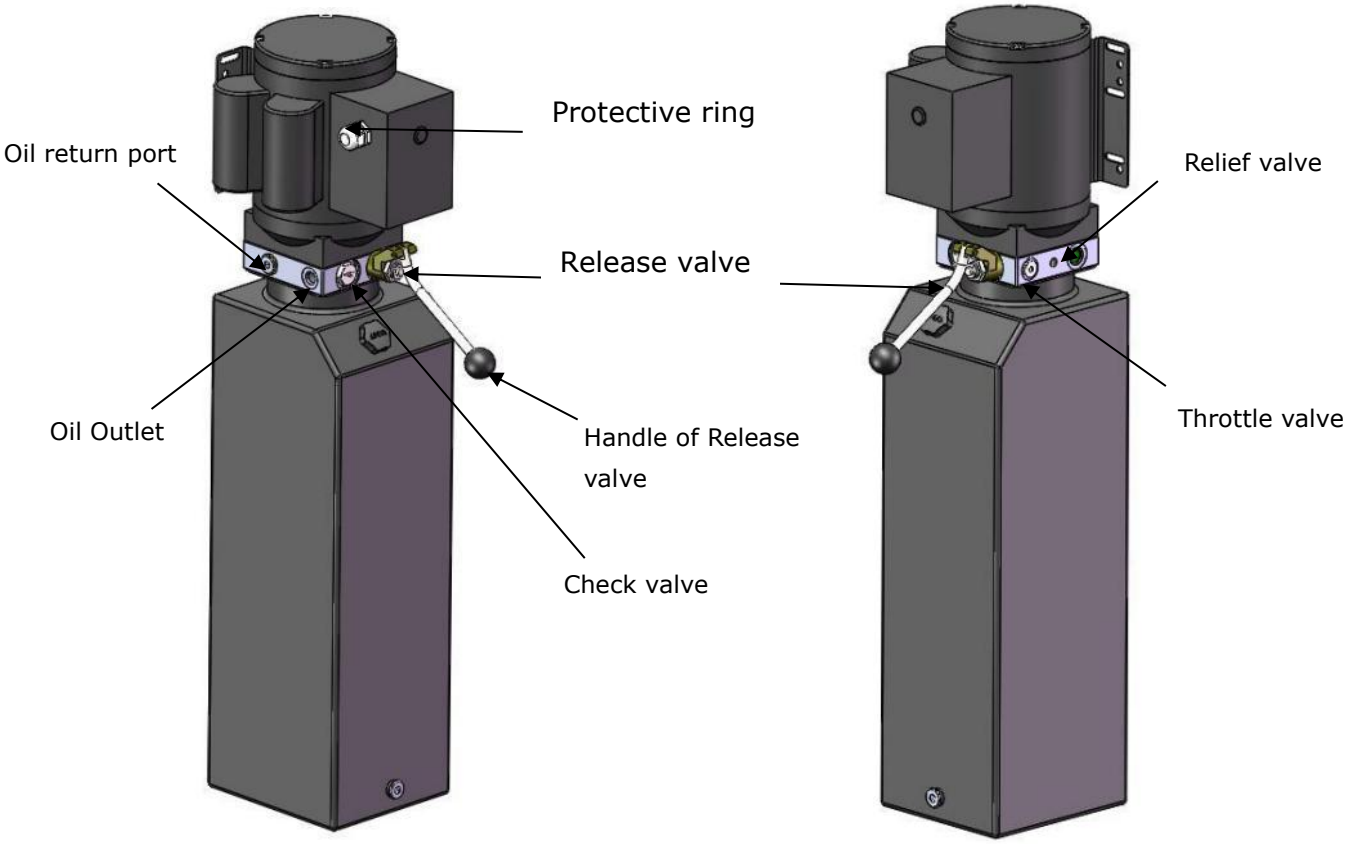


Fig.52

V. TEST RUN

1. Fill the reservoir with approximately 26L Hydraulic Oil (**Note**: In consideration of Power Unit's durability，please use **Hydraulic Oil 46#**).
2. Press the button on the power unit, the Cables will be strained. Check whether the Cables match the Pulley. Make sure the Cables are not across.
3. Press the release handle of the power unit 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. Lift up and down for several times, meanwhile do the synchronous adjustment till the four Safety Devices can be locked and released at the same time.
5. Adjust the clearance between the post and the plastic slider of Cross-beam to about 2mm, and then tighten the fixing nut of slider.
6. After finishing the above adjustment, testing the lift with load. Lift the Platforms in low position first, make sure the Platforms can be up and down synchronously and the Safety Device can be locked and released synchronously. And then raise the lift to the top completely. If there are anything improper, repeat the above adjustment.

Circuit Diagram of Hydraulic System

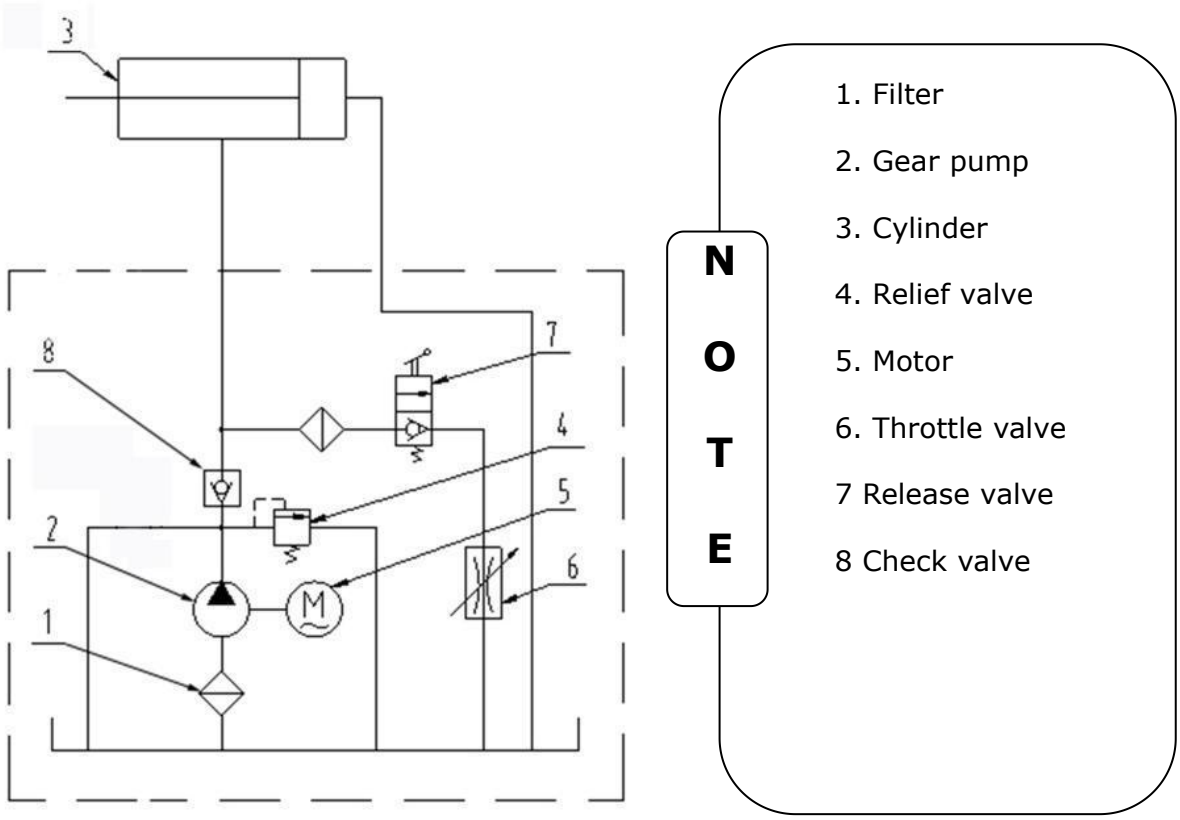


Fig.53

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. Turn on the power and press the button, raise the lift to the working position;
   Note: make sure the vehicle is steady when the lift is raised.
4. Press the Handle of release valve 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 button, the lift will be raised for 3-5 seconds, and then press the button of Manual-controlled air valve by hand to make sure the safety device released, press the handle of release valve 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.
4. Turn off the power.

VII. MAINTENANCE SCHEDULE

Monthly:

1. Re-torque the anchor bolts to 150 Nm;
2. Lubricate cable with lubricant;
3. Check all cable connection, bolts and pins to insure proper mounting;
4. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage;
5. Lubricate all Rollers, Safety devices with 90wt. gear oil or equivalent.

Note: All anchor bolts should take full torque. If any of the bolts does 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 to insure level lifting.
3. Check the vertical of columns.

Oil cylinder maintenance:

In order to extend the service life of the oil cylinder, please operate according to the following requirements.

1. Recommend to use N46 anti-wear hydraulic oil.
2. The hydraulic oil of the lifts should be replaced regularly during using. Replace the hydraulic oil 3 months after the first installation, Replace the hydraulic oil once a year afterwards.
3. Make at least one full trip raising and lowering per day. For exhausting the air from the system, which could effectively avoid the corrosion of the cylinder and damage to the seals caused by presence of air or water in the system.
4. Protect the outer surface of the oil cylinder's piston rod from bumping and scratching, and timely clean up the debris on the oil cylinder dust-ring and the piston rod.

VIII. TROUBLE SHOOTING

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

IX. LIFT DISPOSAL:

When the car lift cannot meet the requirements for normal use and needs to be disposed, it should follow local laws and regulations.

AMGO Hydraulics

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TX Division: 4310 Adler Dr., Suite #200, Dallas, TX 75211, USA

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