

PEAK[®]

Original

Installation And Service Manual



TWO-POST LIFT
Model: 211SAC

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I. PRODUCT FEATURES AND SPECIFICATIONS

CLEAR-FLOOR DIRECT-DRIVED MODEL FEATURES

Model 211SAC (See Fig. 1)

- Direct-driven design, minimize the lift wear parts and breakdown ratio
- Dual hydraulic cylinders, designed and made on high standards, utilizing imported oil seal in cylinder
- Self- lubricating UHMW Polyethylene sliders and bronze bush
- Single-point safety release with dual safety design
- Clear-floor design, provide unobstructed floor use
- Overhead safety shut-off device prevents vehicle damage



Fig. 1

MODEL 211SAC SPECIFICATIONS

Model	Style	Lifting Capacity	Lifting Time	Lifting Height	Overall Height	Overall Width	Minimum Pad Height	Motor
211SAC	Clear-floor Direct-driven	5.0 T	57S	1842-2071mm	3988/4420mm	3542mm	115-344mm	3.0HP

Arm Swings View

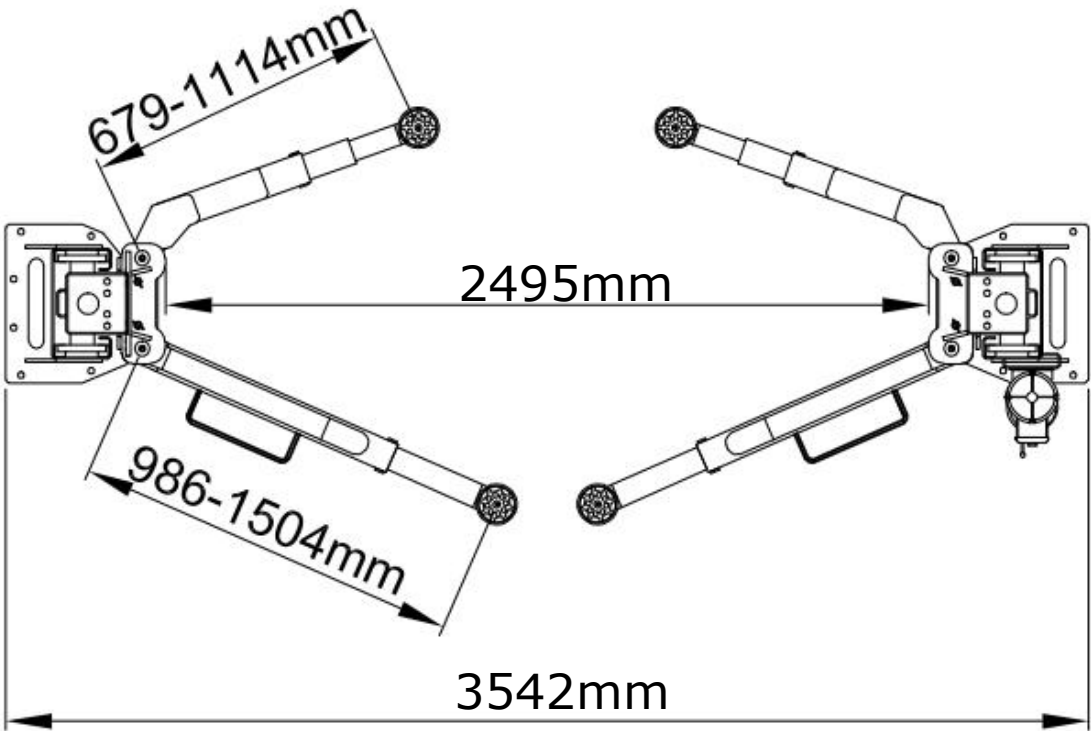


Fig. 2

Attention! Please make sure place the arms in correct position before car drive in !

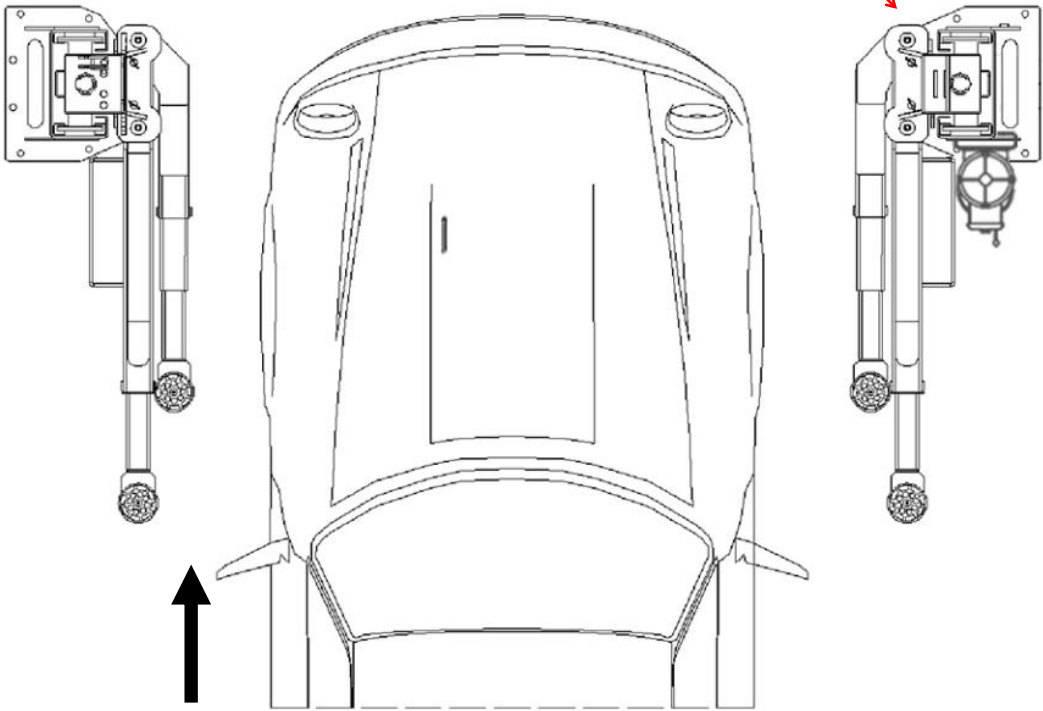


Fig. 3

II. INSTALLATION REQUIREMENT

A. TOOLS REQUIRED

- ✓ Rotary Hammer Drill ($\Phi 19$)



- ✓ Hammer



- ✓ Level Bar



- ✓ English Spanner (12")



- ✓ Ratchet Spanner With Socket (28#)



- ✓ Wrench set
(10#, 13#, 14#, 15#, 17#, 19#, 24#, 27#, 30#)



- ✓ Carpenter's Chalk



- ✓ Screw Sets



- ✓ Tape Measure (7.5m)



- ✓ Pliers



- ✓ Socket Head Wrench (3#, 5#, 8#)



- ✓ Lock Wrench



Fig. 4

B. Equipment storage and installation requirements.

The equipment should be stored or installed in a shady, normal temperature, ventilated and dry place.

C. The equipment should be unload and transfer by forklift.

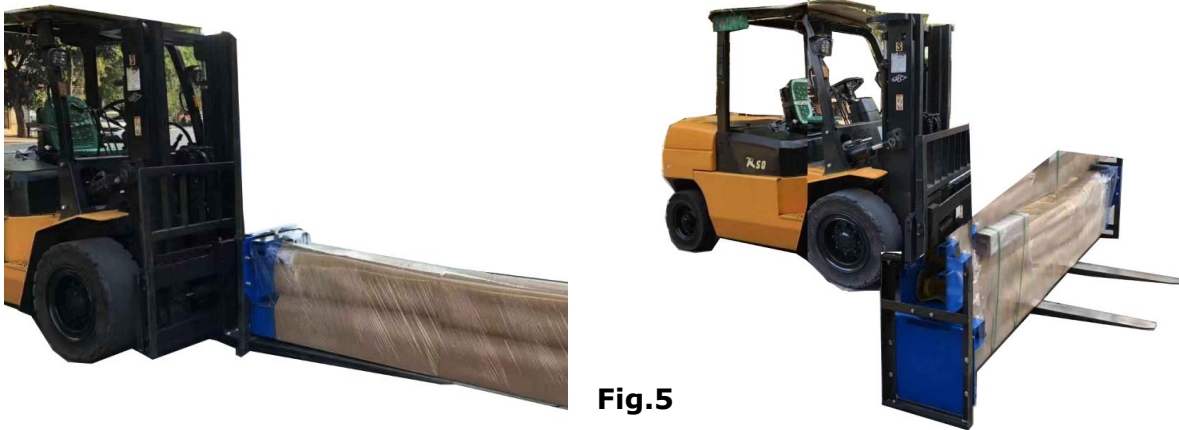


Fig.5

D. SPECIFICATIONS OF CONCRETE (See Fig. 6)

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 120mm minimum and without reinforcing steel bars, and must be completely dry before lift installation.
2. Concrete must be in good condition and must be of test strength 3,000psi (210kg/cm²) minimum.
3. Floors must be level with no cracks or holes.

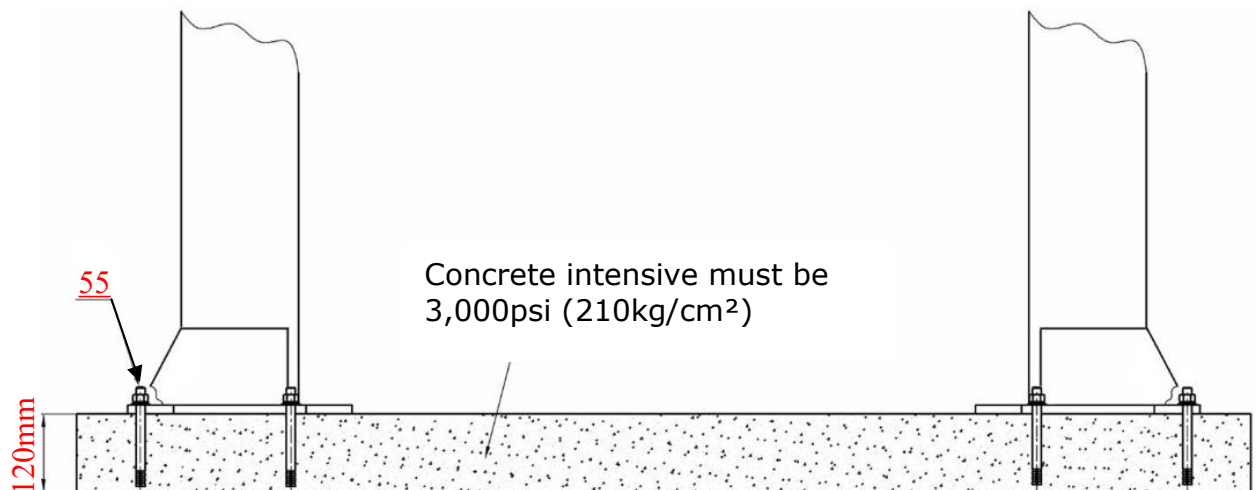


Fig.6

E. POWER SUPPLY

The electrical source must be 2.2kw minimum. The source cable size must be 2.5mm² and in good condition of contacting with floor.

III. INSTALLATION STEPS

A. Location of installation

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

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

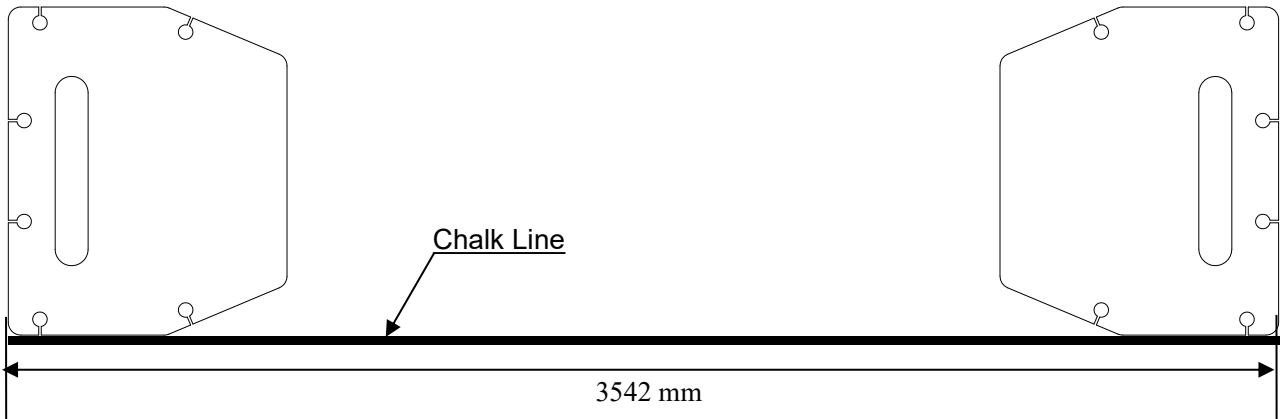


Fig. 7

C. Check the parts before assembly.

1. Packaged lift and hydraulic power unit (See Fig. 8).



Fig. 8

2. Move the lift aside with a fork lift or hoist, and open the outer packing carefully and remove aside the top connecting assy. and parts box (See Fig. 9).

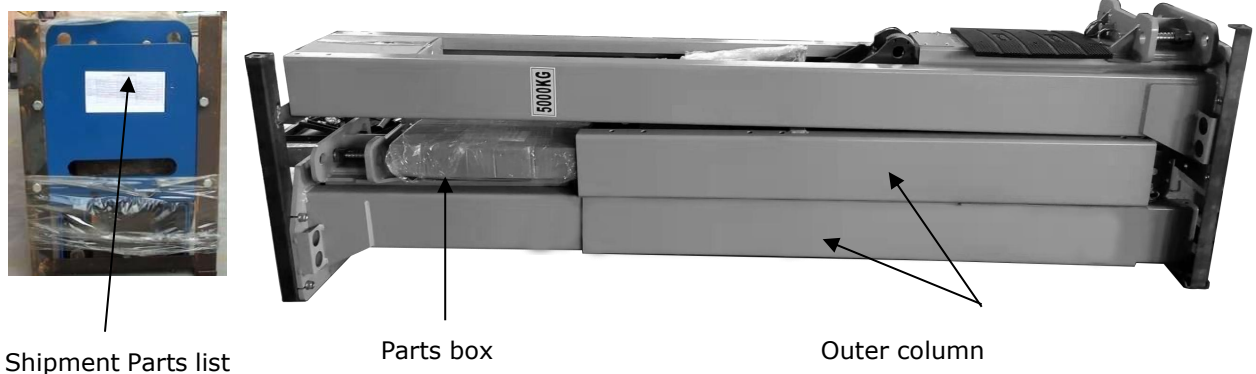


Fig. 9

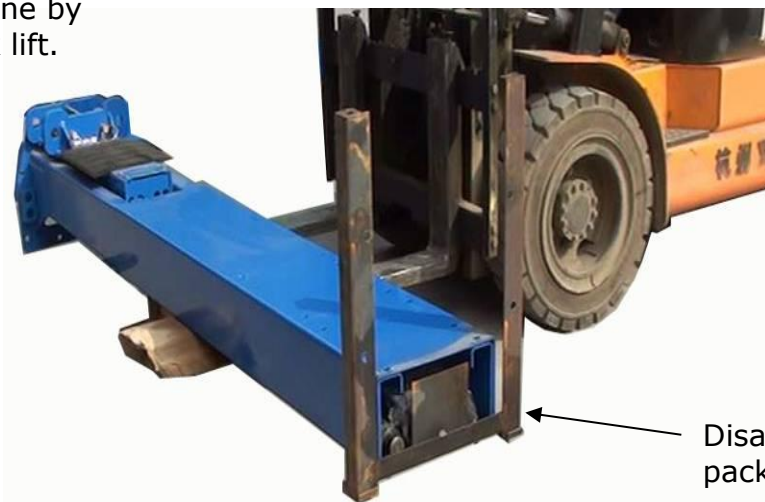
3. Take out the outer column which in the middle, lift the upper column with a fork lift or hoist, loose the bolts of the upper package stand, take out the parts in the inner column (See Fig. 10).



Fig. 10

4. Lift the lower column with a fork lift or hoist, take down the package stand, then take off the lower outer column, take out the parts in the inner column (See Fig. 11).

Lifting up the machine by A fork lift.



Disassemble the package stand

Fig. 11

5. Move aside the parts and check the parts according to the shipment parts list. Open the carton of parts and check the parts according to parts box list (See Fig. 12, Fig.13).



**Shipment parts list
Fig.12**



**Pars box (115)
Fig.13**

6. Check the parts of the parts bag 1 according to parts bag list (See Fig. 14).



Fig. 14

7. Check the parts of the parts bag 2 according to parts bag list (See Fig. 15).



Fig. 15

D. Install parts of extension columns (See Fig. 16).

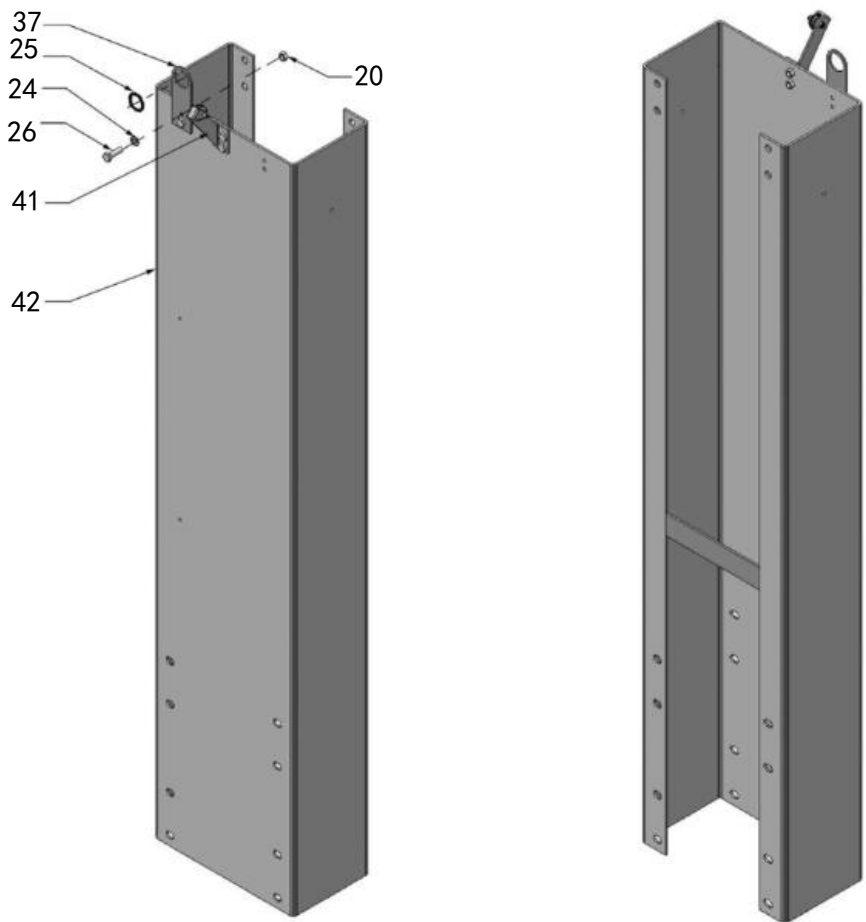


Fig.16

E. Install hydraulic cylinder

Wind the two end of straight fitting by white bobbin ,Connecting the extended straight fitting and 90° fitting, and then install the cylinder in the carriages (See Fig. 17).

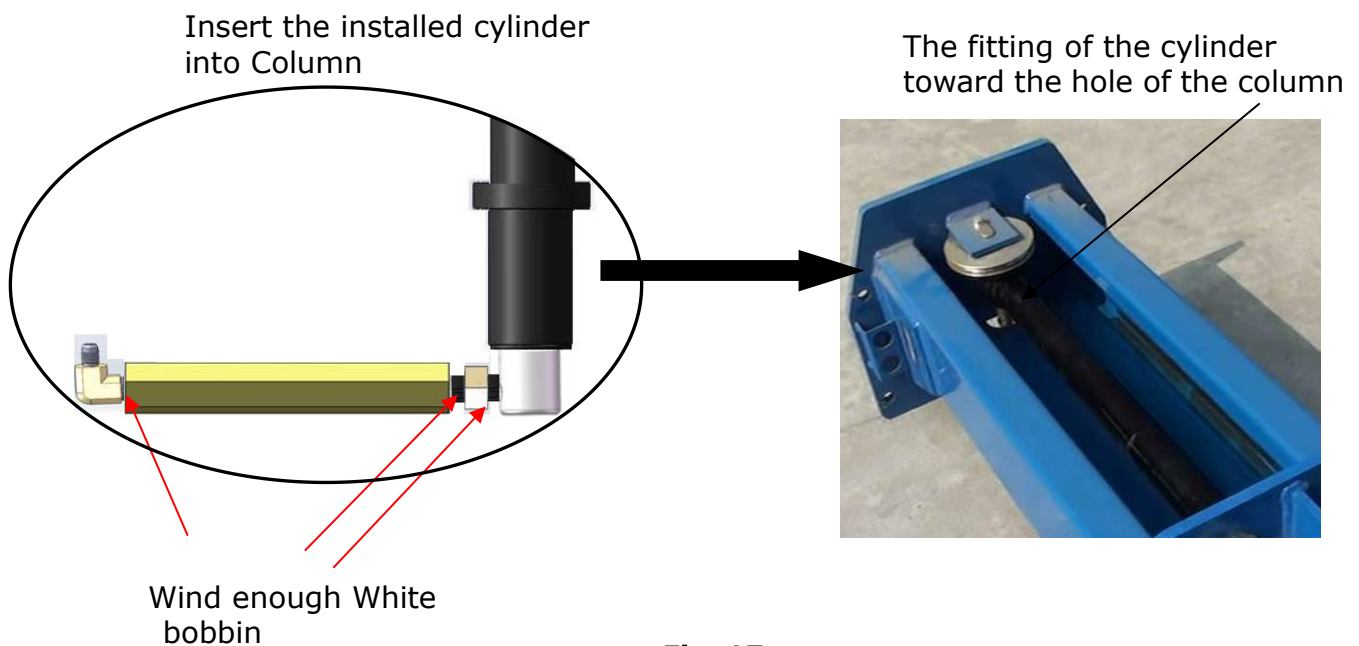
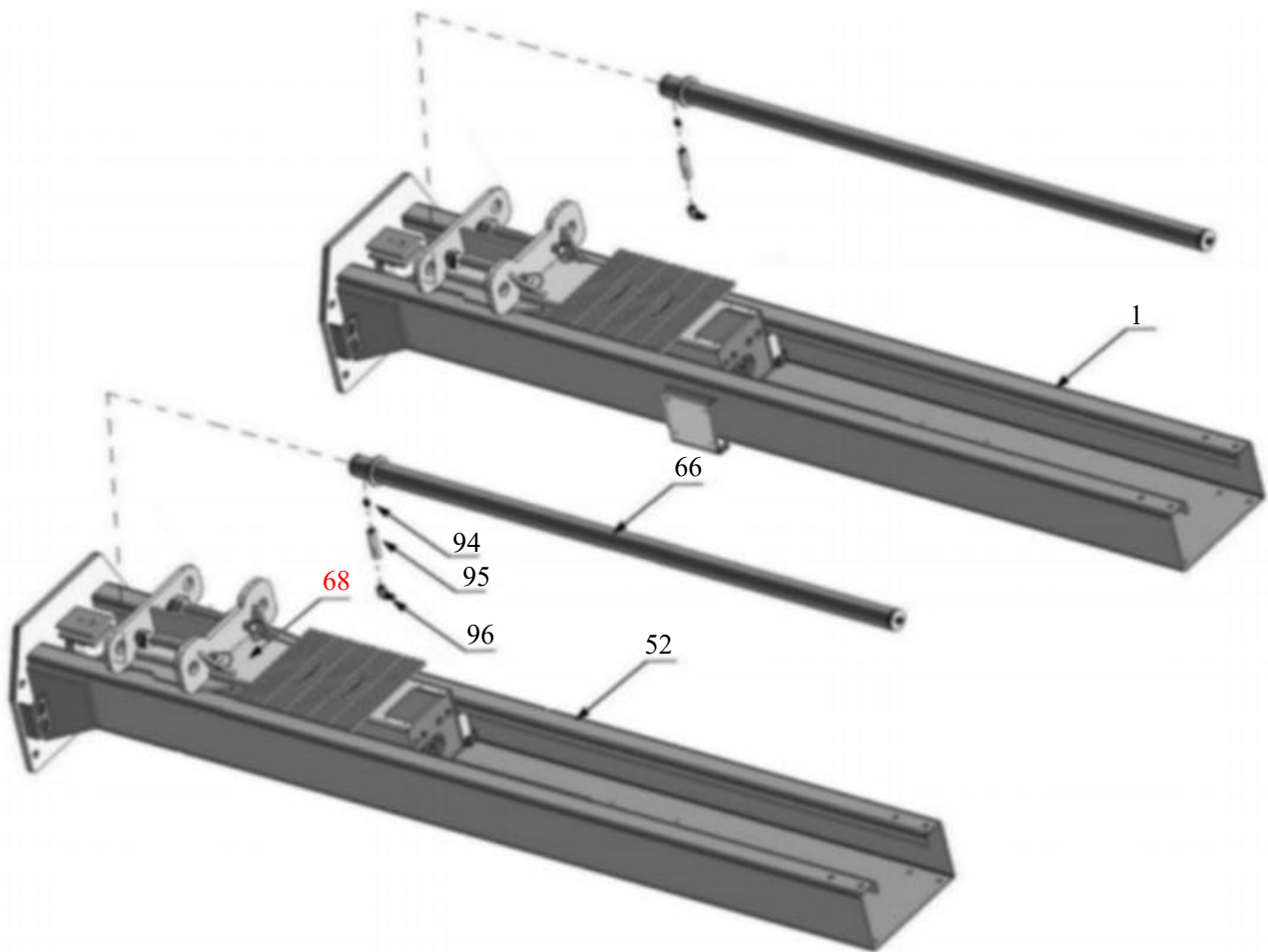


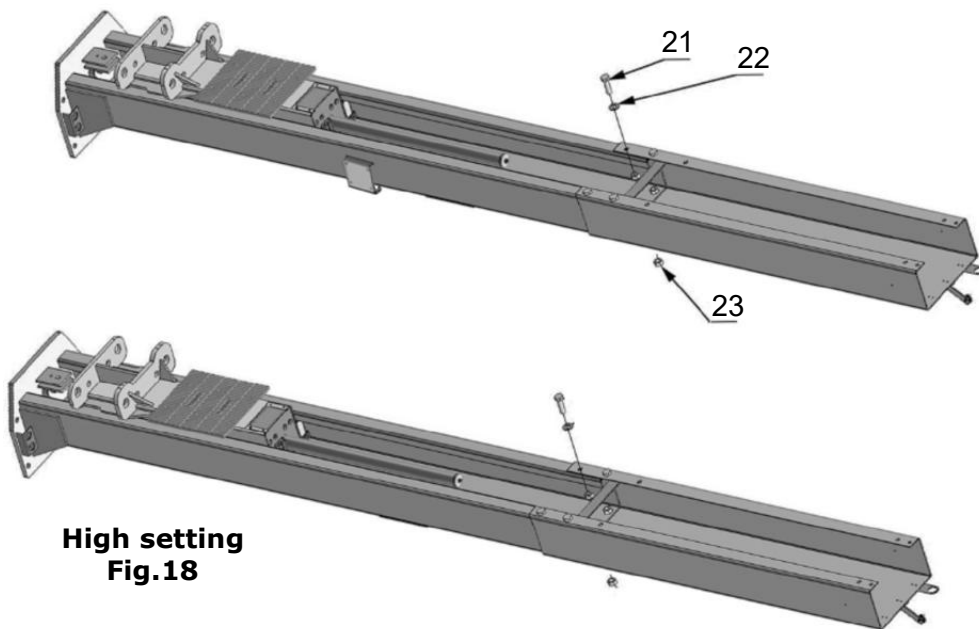
Fig. 17

F. Install columns

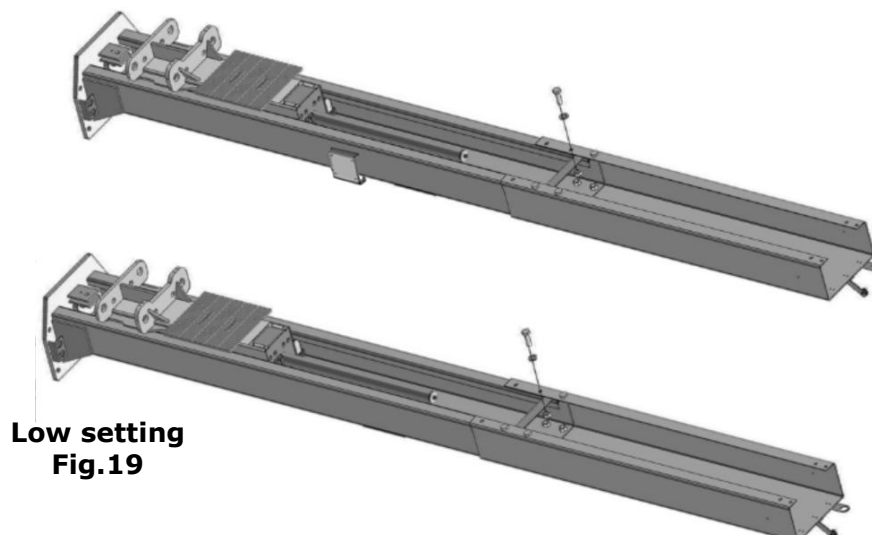
Lay down two columns on the installation site paralleled, position the power side column according to the actual installation site. Usually, it is suggested to install power side column on the front-right side from which vehicles are driven to the lift. This lift is designed with 2-section columns. Adjustable height according to the ceiling height and connecting the inner and extension columns.

For 211SAC installation: When the ceiling height is over 4450mm, use high setting. When the ceiling height is between 4000-4450mm ,use low setting. It is not allowable to install when the ceiling height is less than 4000mm.

1, High setting installation, the lower hole of extension column is connected with inner column, see Fig.18

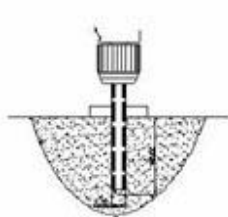
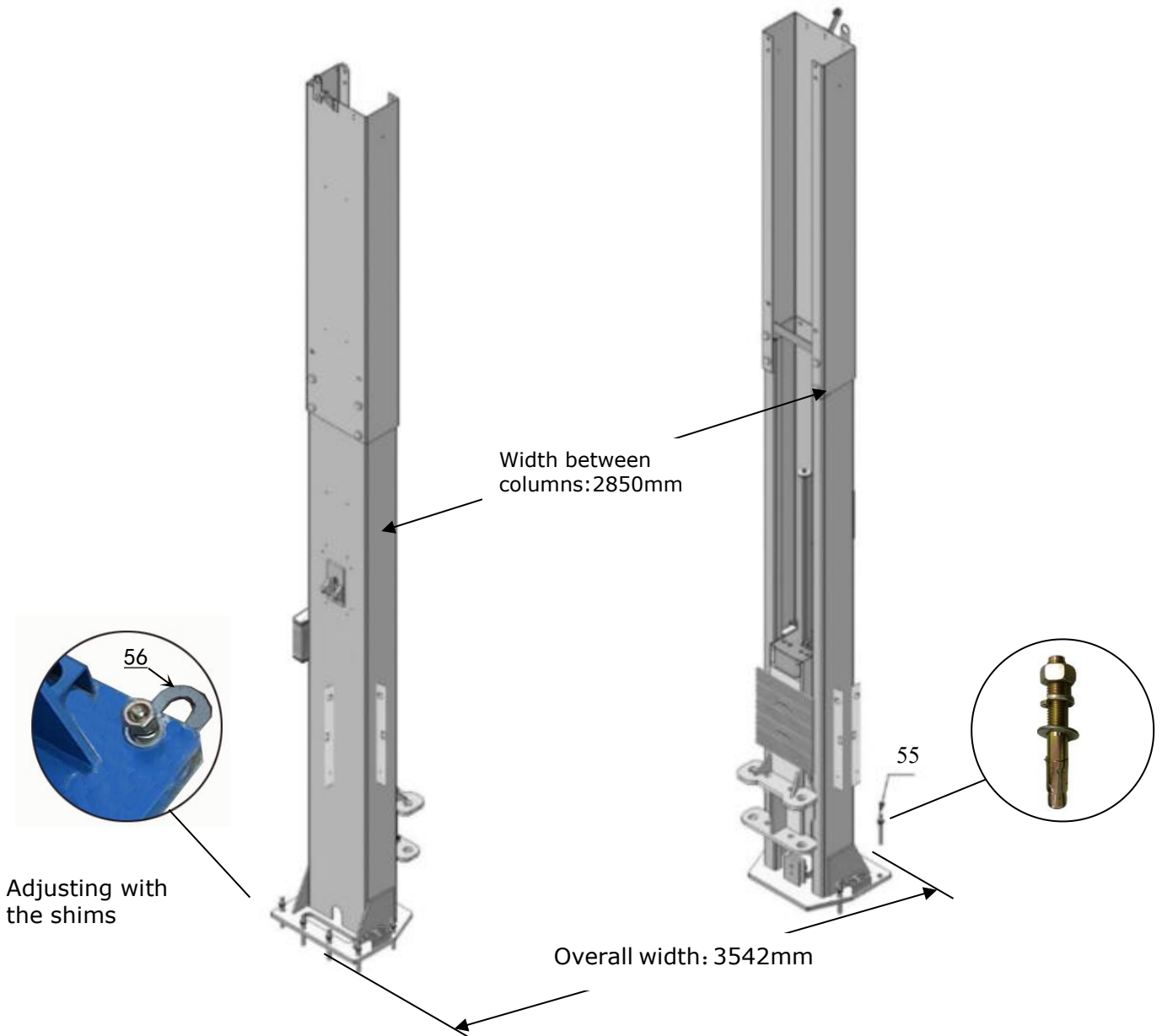


2, Low setting installation, the upper hole of extension column is connected with inner column, see Fig.19

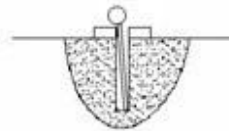


G. Position the columns

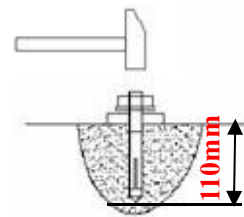
Position the columns on the installation layout of base plate. Install the anchor bolts. Check the columns plumpness with level bar, and adjusting with the shims if the columns are not vertical. Do not tighten the anchor bolts (**See Fig.20**).



Drilling



Cleaning



Bolting

Fig.20

H. Install overhead top beam

1. With help of the hook of top beam, put one side of top beam on top of the extension column and connecting the top beam to extension column by bolts, tighten the bolts. (See Fig. 21).

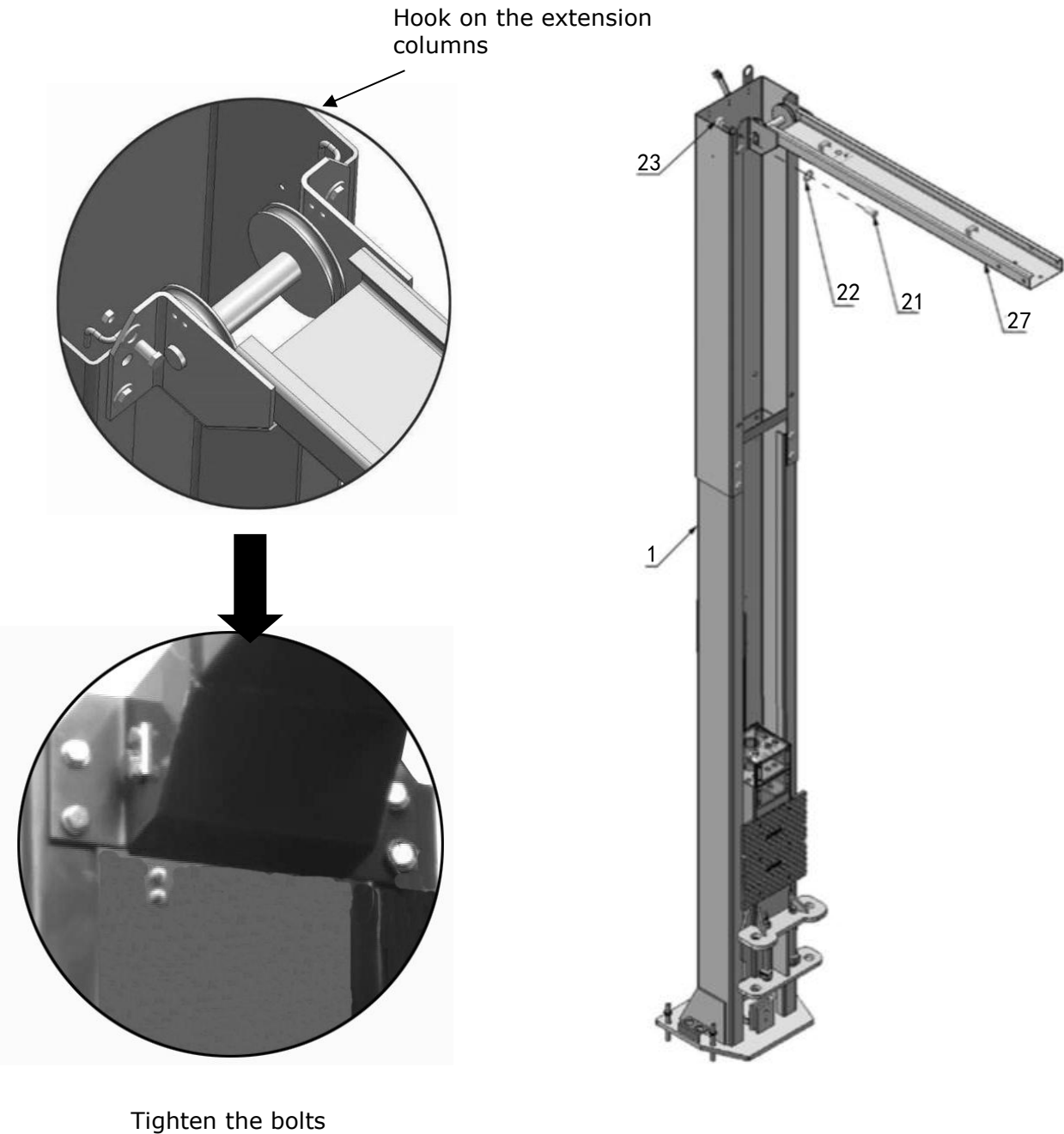


Fig. 21

2. Assemble overhead top beam, tighten the columns anchor bolts (**See Fig. 22**).

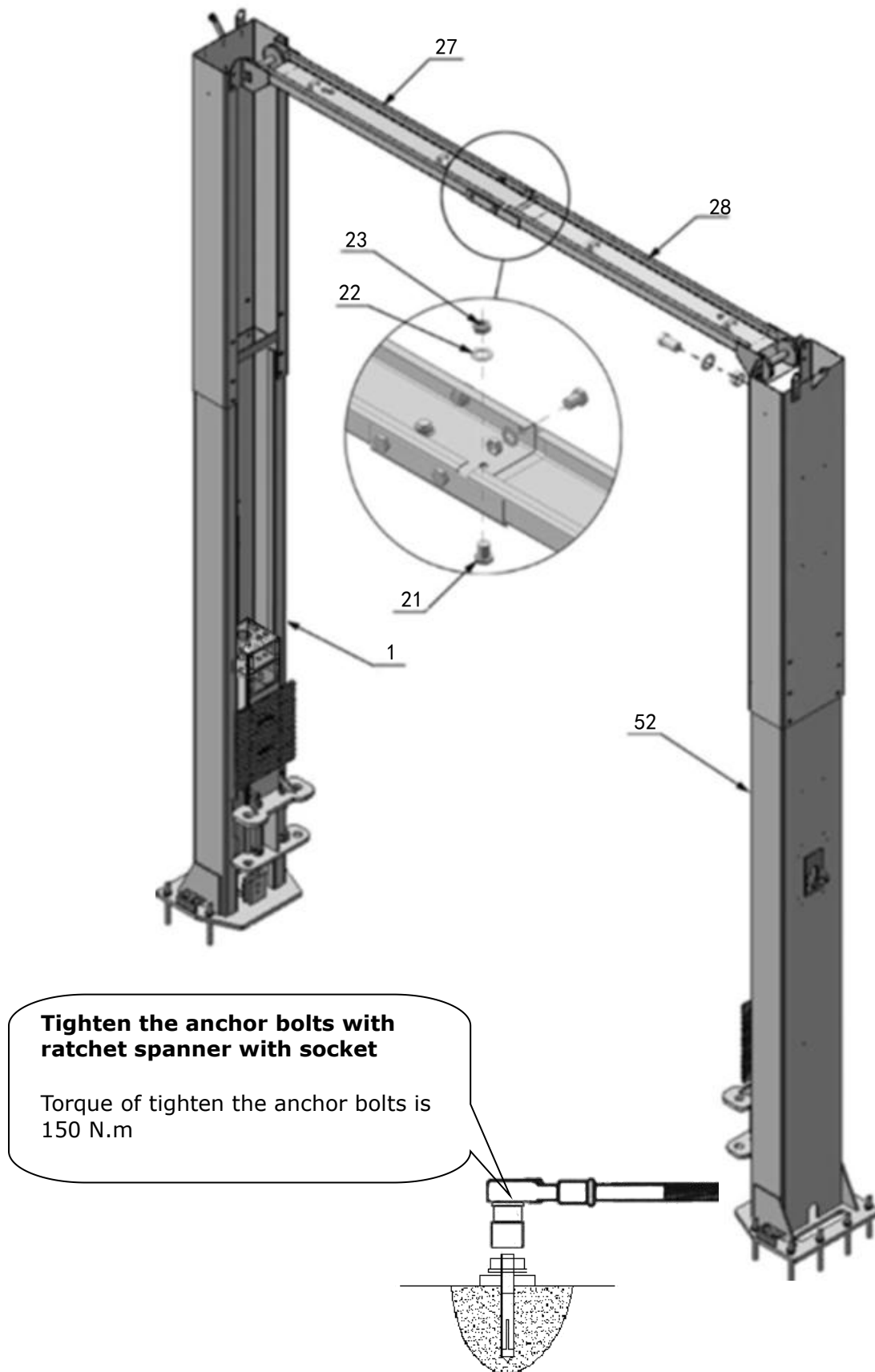


Fig.22

I. Installing the limit switch control bar and limit switch (See Fig. 23)

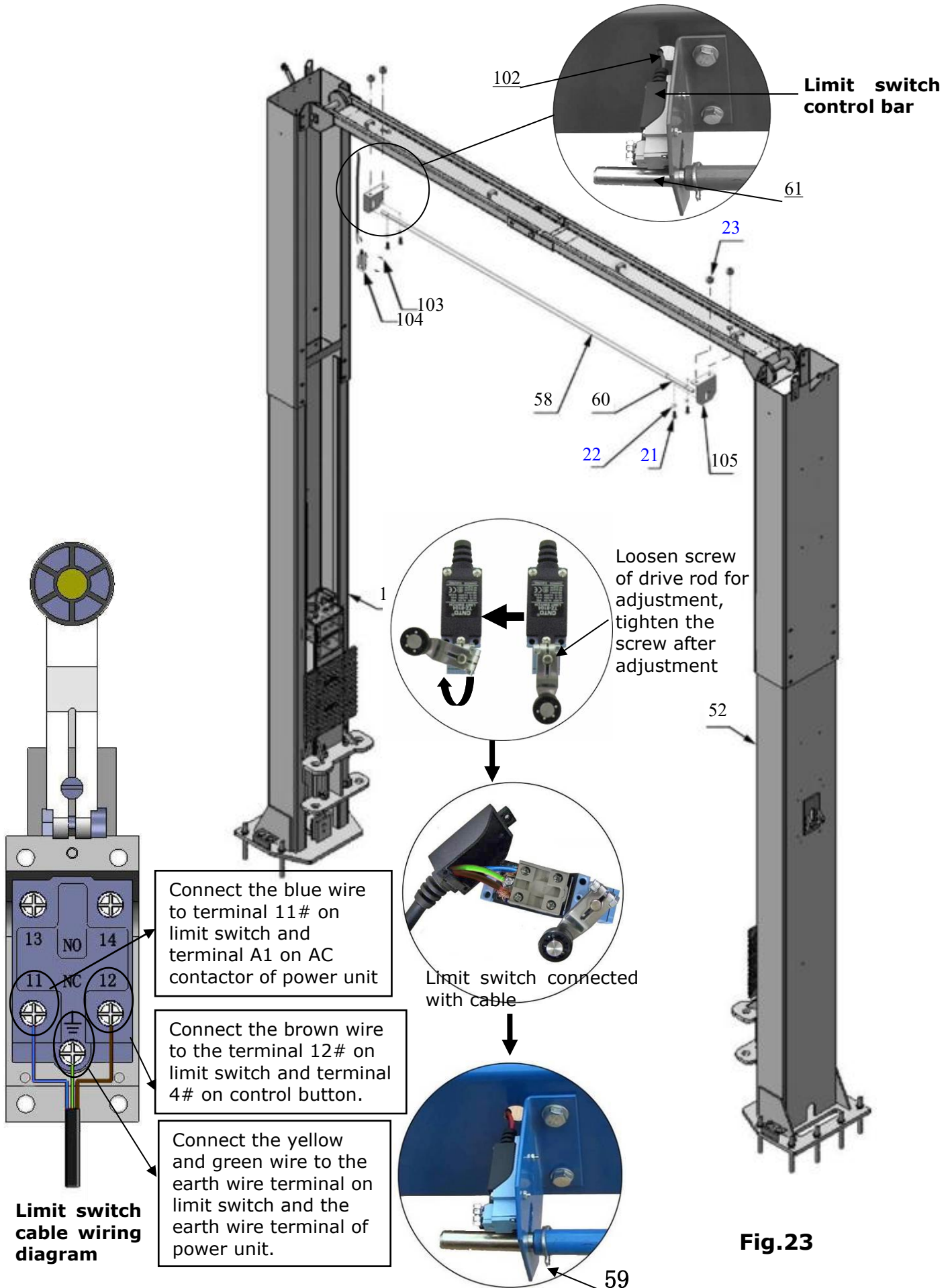


Fig.23

J. Install safety device (See Fig. 24 & Fig. 25).

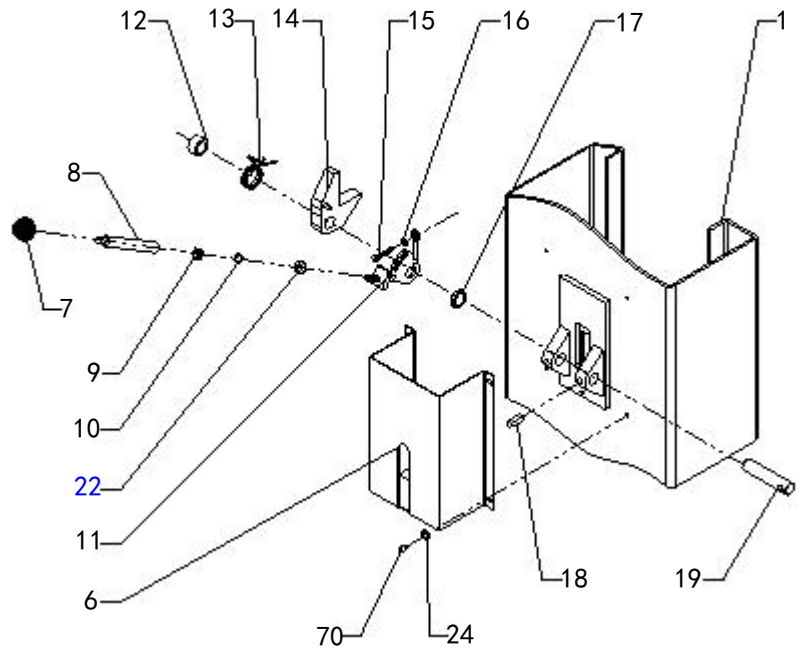


Fig. 24 Power side safety device

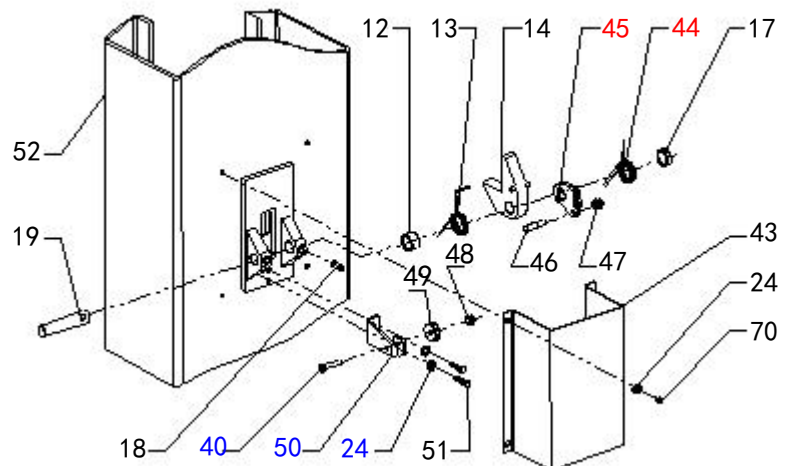


Fig. 25 Offside safety device

K. Raise the carriages up by hand and make them be locked at the same level (See Fig. 26).

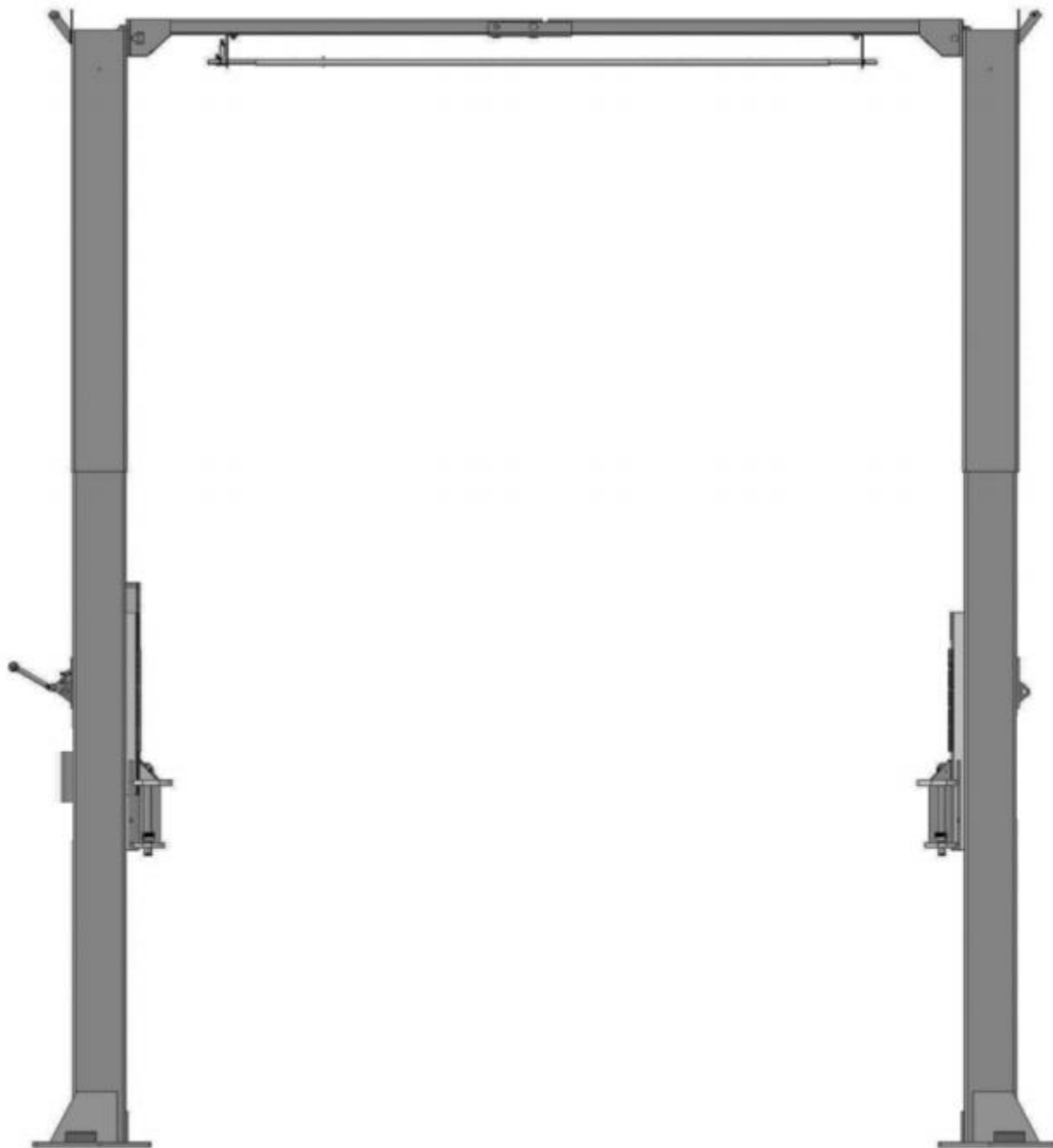


Fig. 26

L. Install cables

1. High setting cable connection:

1.1 Take out the carriage plastic cover, cable pass through from the bottom of the carriage and be pulled out from the open of carriage, then screw the two cable nuts (See Fig. 27).

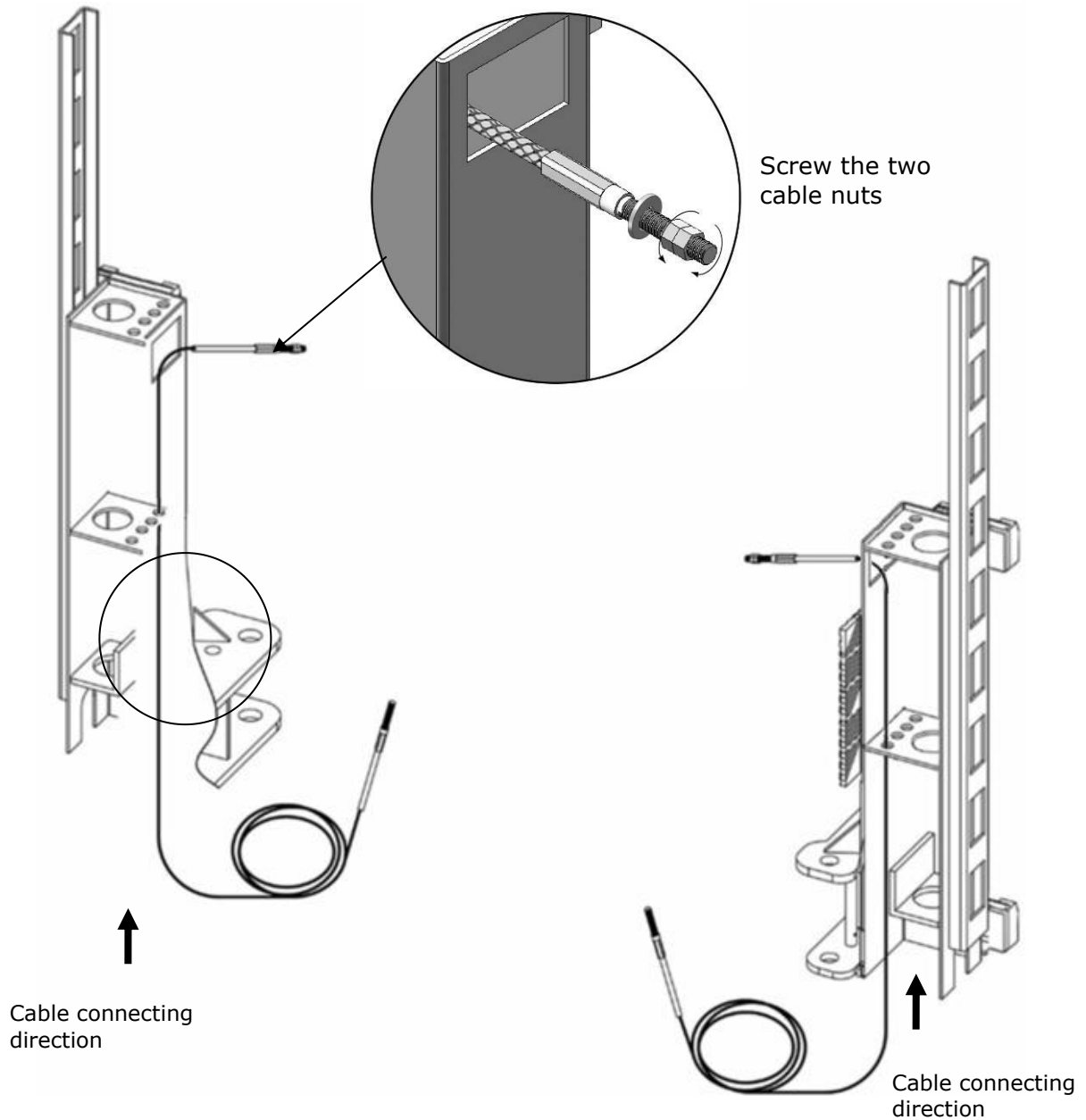


Fig. 27

1.2 Connecting cable for high setting (See Fig. 28)

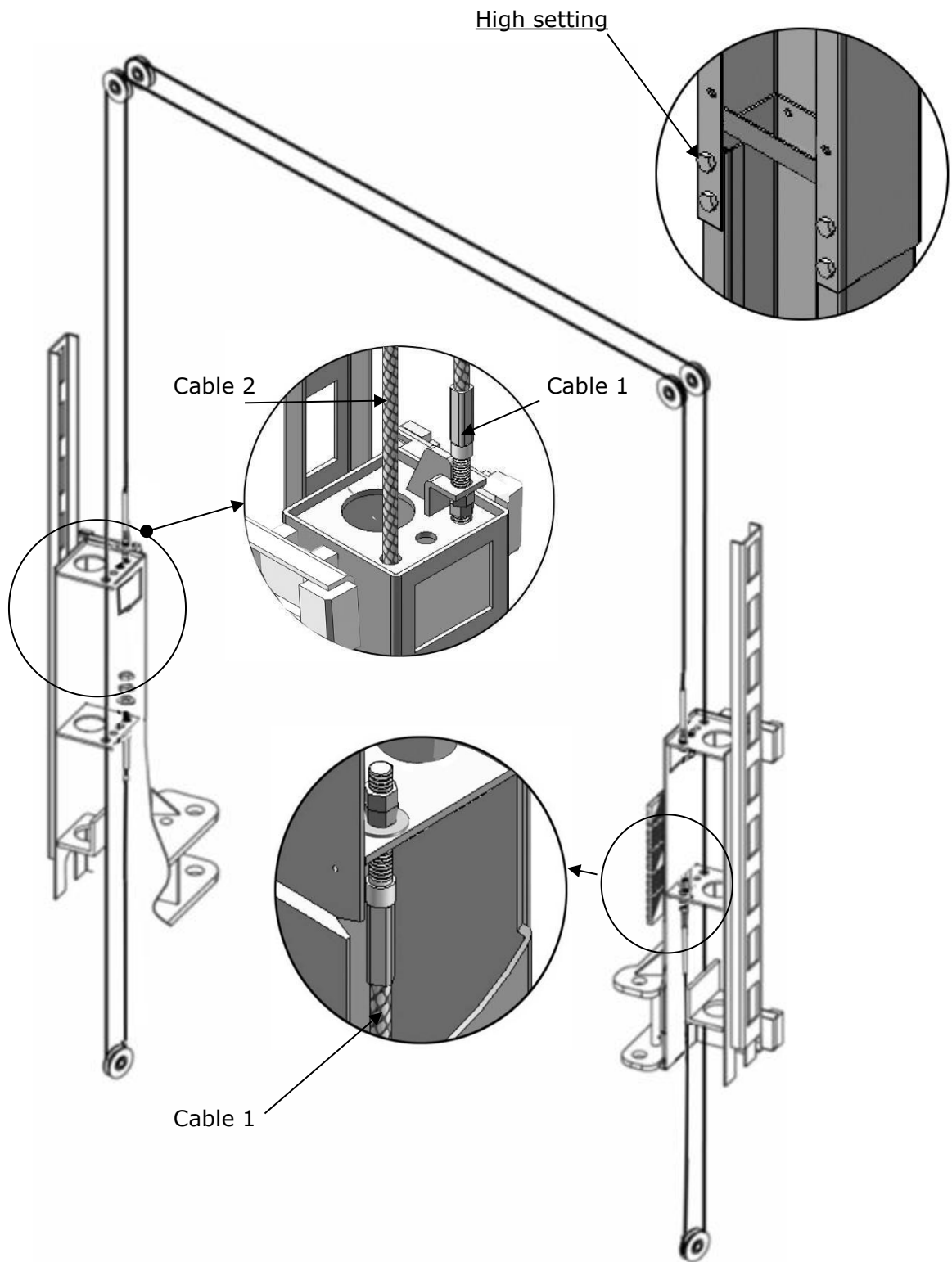


Fig. 28

2. Low setting cable connection (See Fig. 29).

Note: Cable should go inside of the carriage.

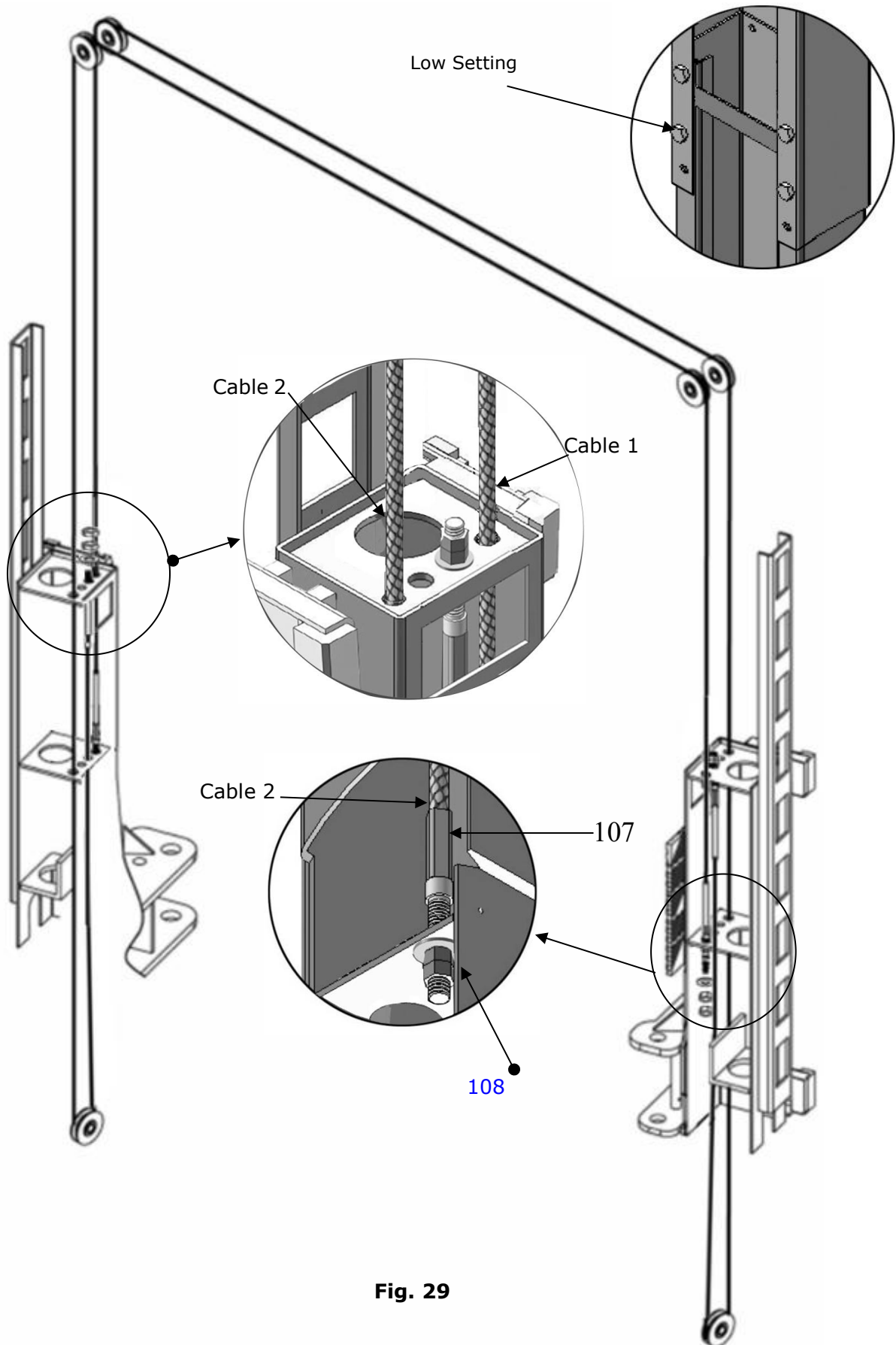


Fig. 29

M. Install power unit (See Fig. 30)

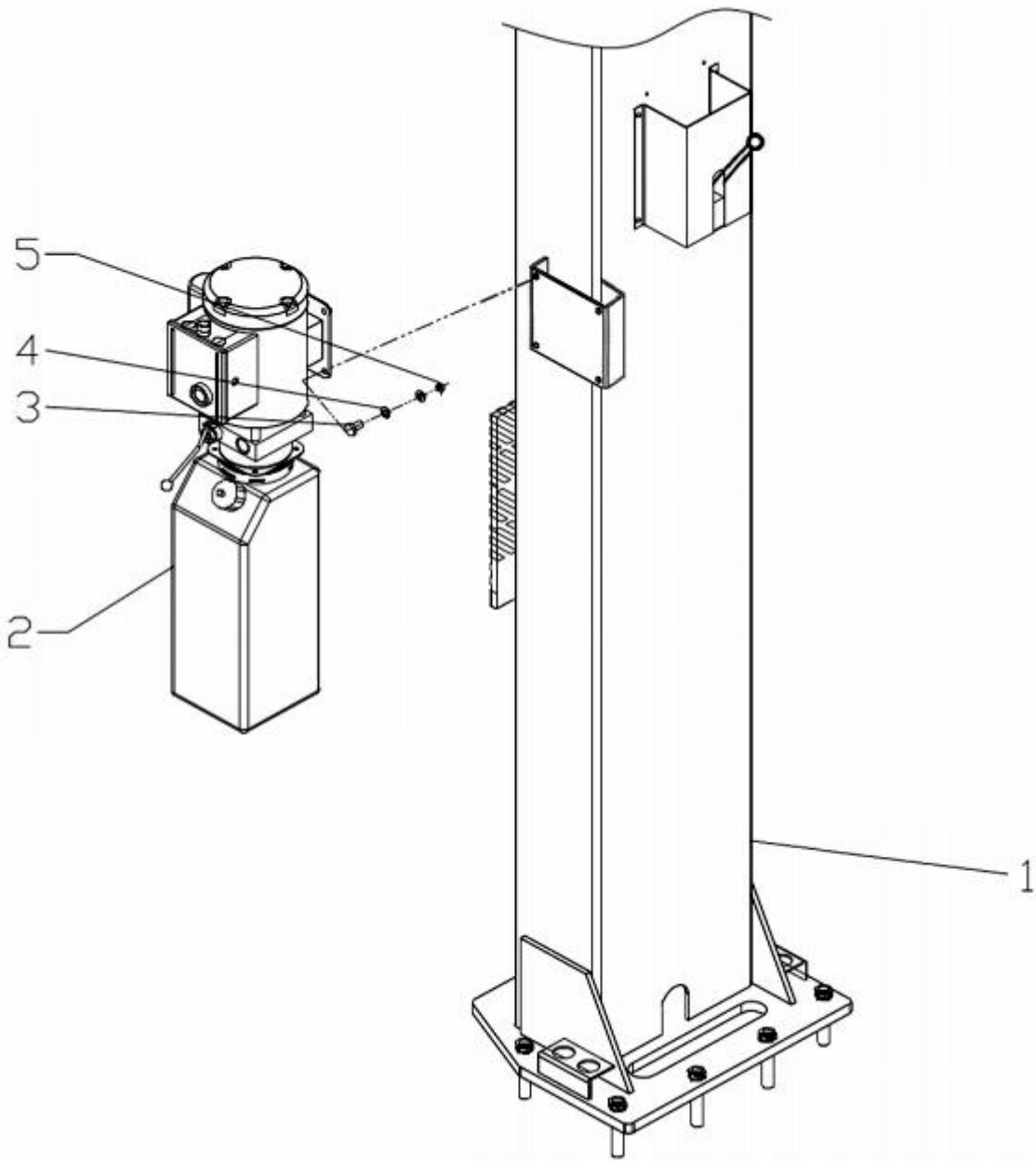


Fig.30

N. Install oil hose

At high setting and low setting oil hose connection (See Fig. 31).

(48, 49 Only for high setting)

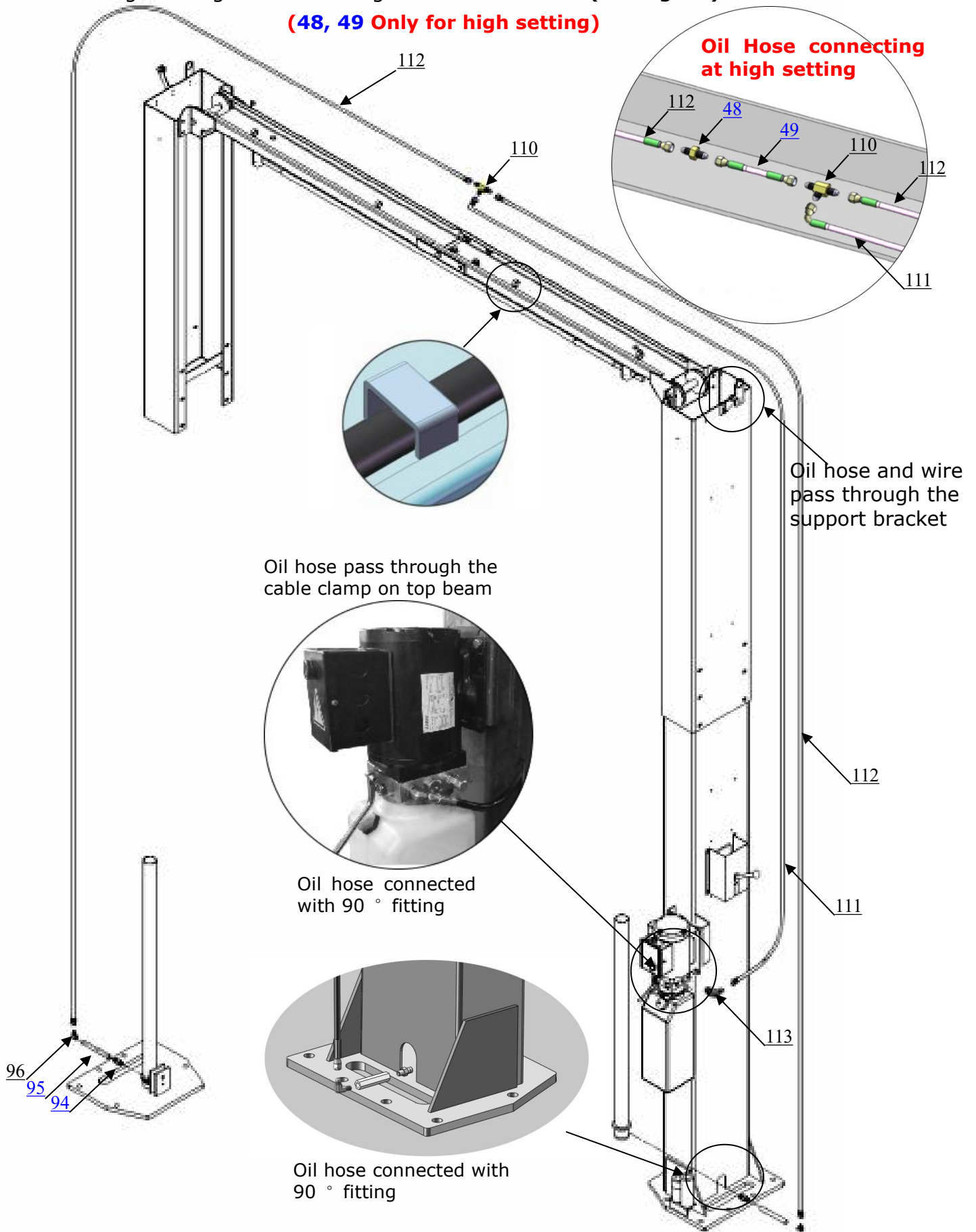


Fig.31

O. Install safety cable.

Install safety cable from offside safety device to power-side safety device, pass through the top beam (See Fig. 32)

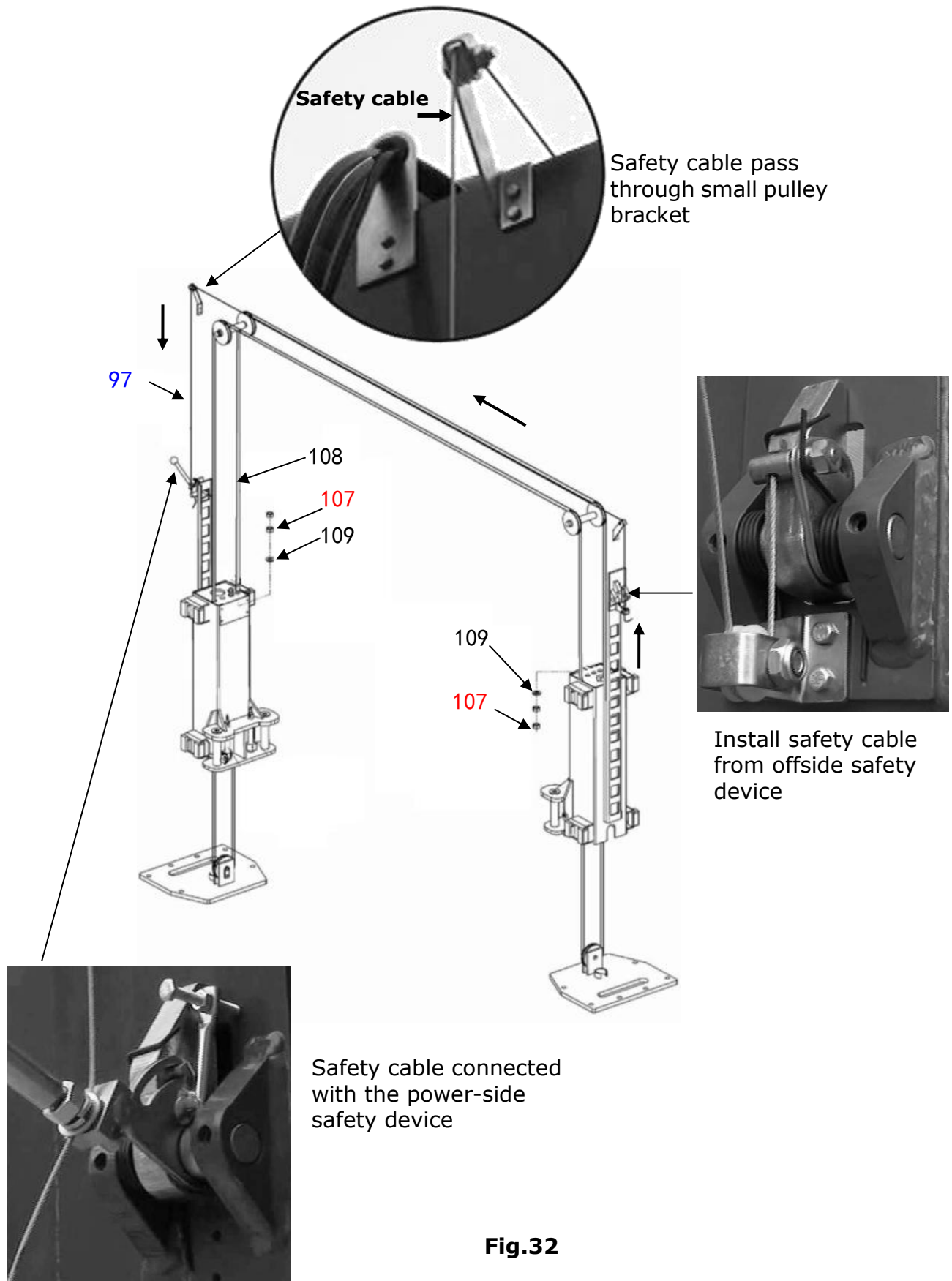


Fig.32

P. Install wire protective cover (See Fig. 33).

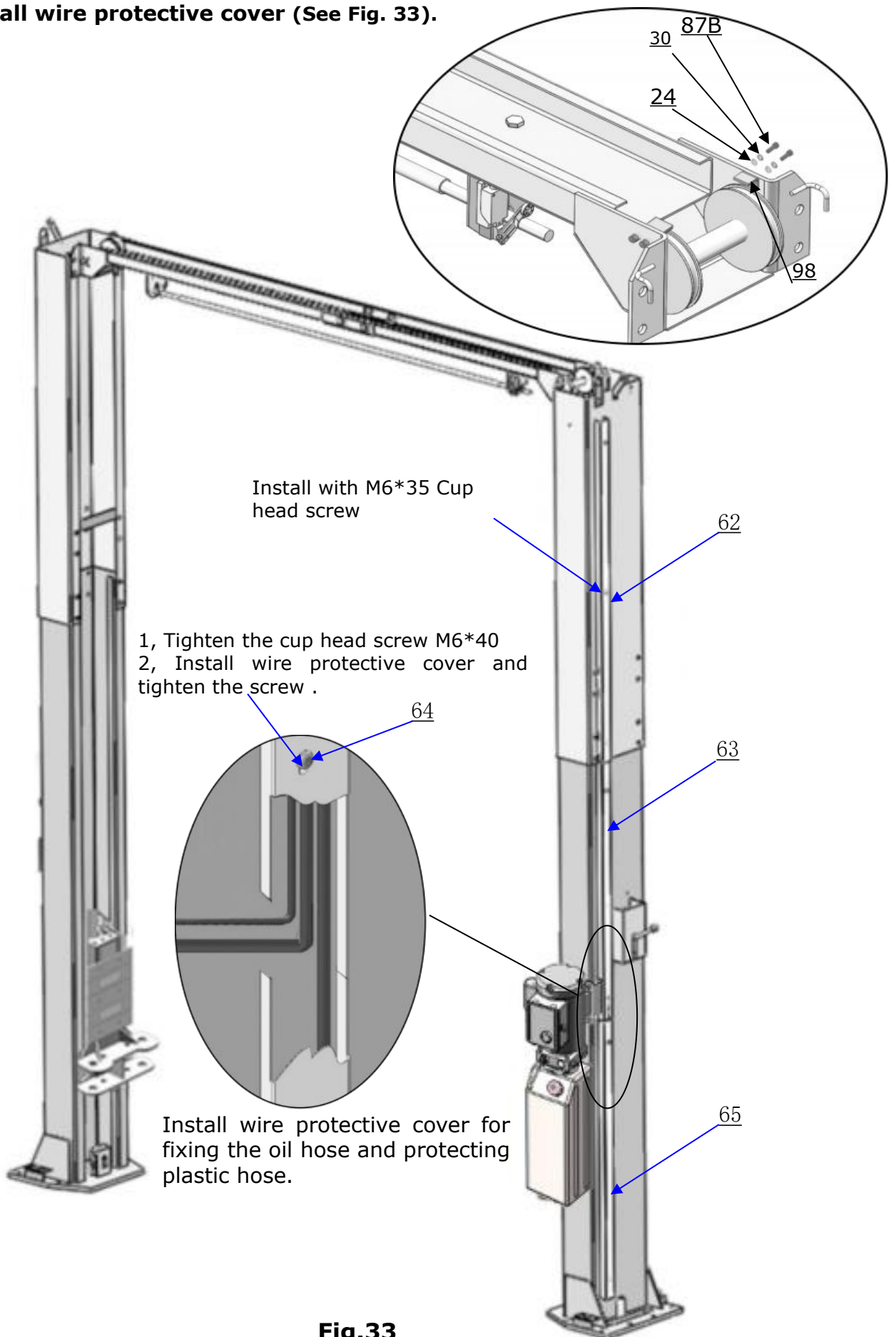
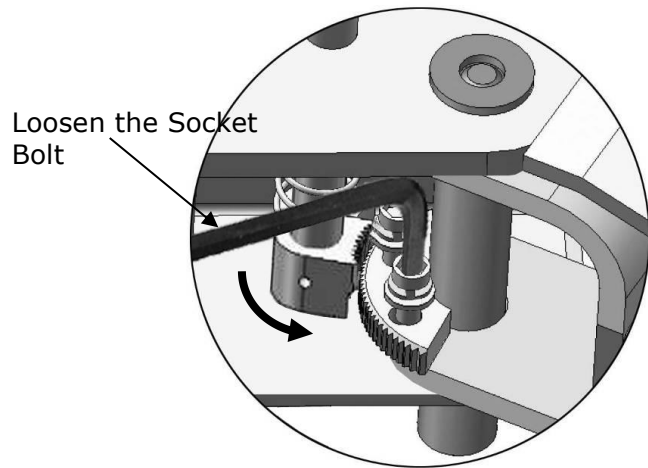
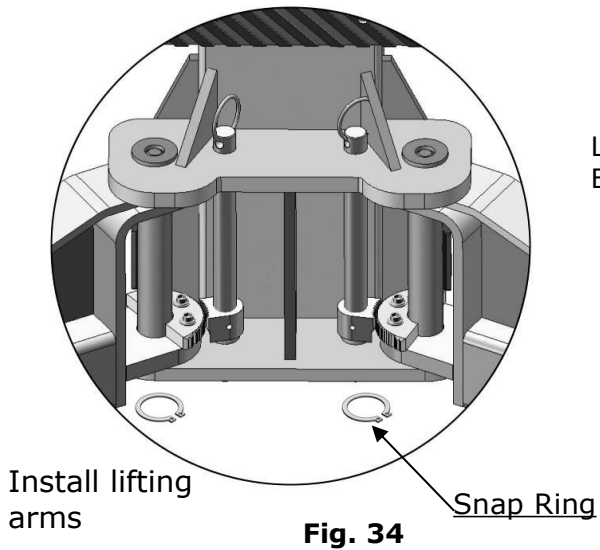


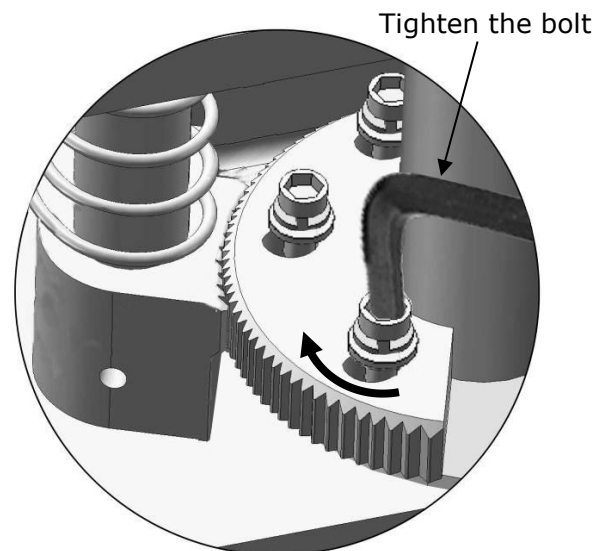
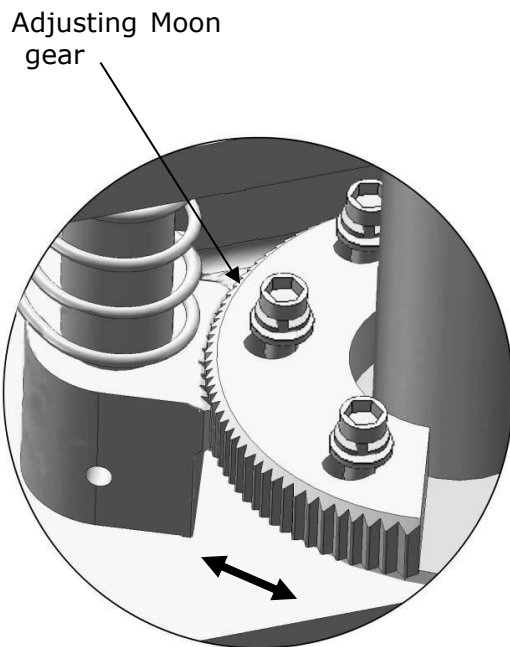
Fig.33

Q. Install lifting arms and adjust the arm locks

1. Install lifting arms (**See Fig. 34**).
2. Lowering the carriages down to the lowest position, then use the 8[#] socket head wrench to loosen the socket bolt (**See Fig.35**).
3. Adjust moon gear as direction of arrow (**See Fig.36**).
4. Adjust moon gear and arm lock to make it to be meshed, then tighten the socket bolts of arm lock (**See Fig.37**).



use the 8[#] socket head wrench to loosen the socket bolt



Locking the bolts after the moon gear and arm lock engaged well

R. Install electrical system

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

Note: 1. Install the limit switch

2. For the safety of operators, the earth wire must contact the floor well.

3. Pay attention to the direction of rotations when using three phase motors.

Single phase motor (See Fig. 38).

1. Connecting the two power supply lines (active wire **L** and neutral wire **N**) to terminals **L1**, **L2** of AC contactor respectively.
2. Connecting the two motor wires to **T1**, **T2** terminals of AC contactor
3. Connecting **terminal A2** to terminal **L2** of AC contactor.
4. Connecting the limit switch: Removing the wire of connecting terminal **4#** of control button and **A1** of AC contactor firstly (See Fig. 39), then connecting wire **12#** (brown wire) of limit switch with terminal **4#** of control button and connecting wire **11#** (blue wire) with terminals **A1** of AC contactor respectively. Connecting the earth wire (yellow and green wire) of limit switch to the earth wire terminal on the motor. (See Fig. 40).
5. Connecting the terminal 3# on the control button to the terminal L1 on the AC contactor.

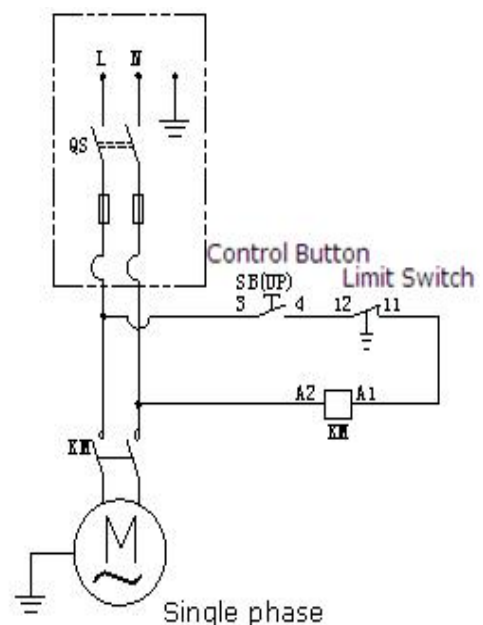
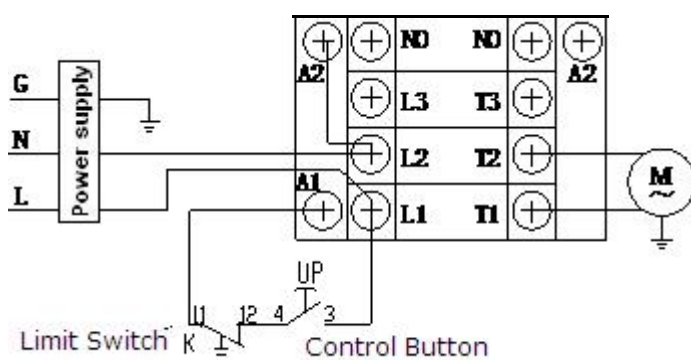
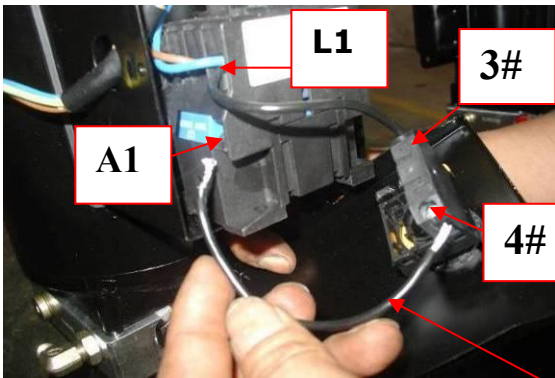


Fig. 38



Remove this line before connecting the limit switch

Fig. 39

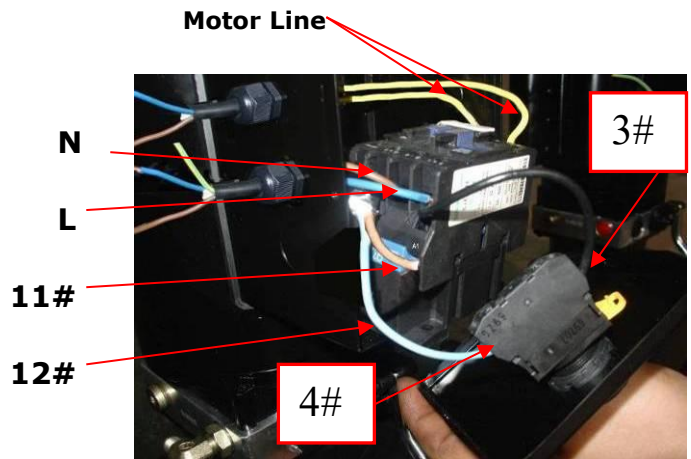


Fig. 40

Three phase motor

1. Circuit diagram (See Fig. 41)

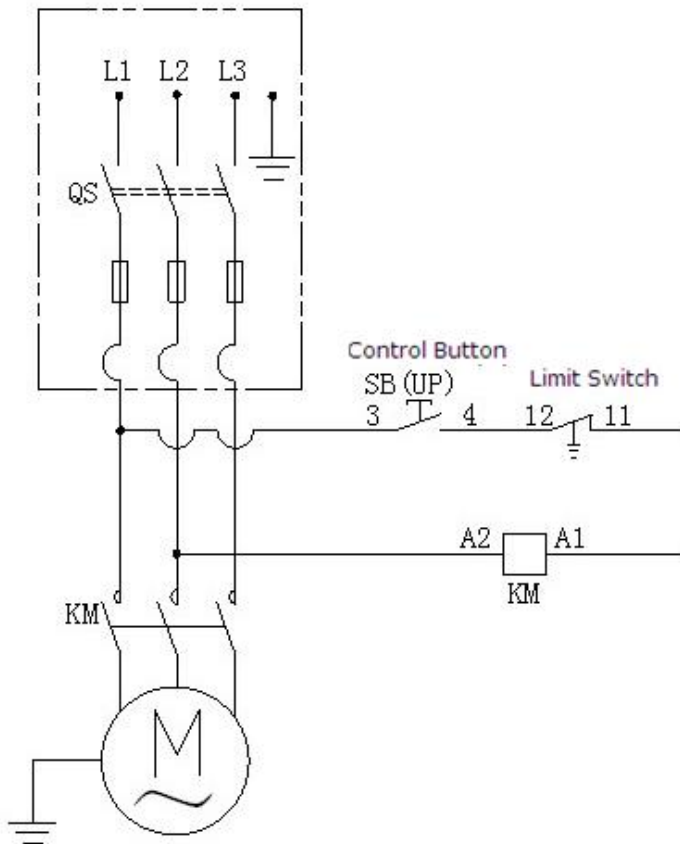


Fig. 41

2. Connection Step (See Fig. 42)

- a. Power supply line (**L1, L2, L3**) connected with terminals **L1, L2, L3** of AC contactor respectively.
- b. Wire **12#** (brown wire) of limit switch connected with terminal **4#** of control button; Wire **11#**(blue wire) connected with terminal **A1** of AC contactor, Earth wire(yellow and green wire) of limit switch connected with the terminal earth wire of the motor.
- c. Terminal **3#** of control button connected with terminal **L1** of AC contactor.

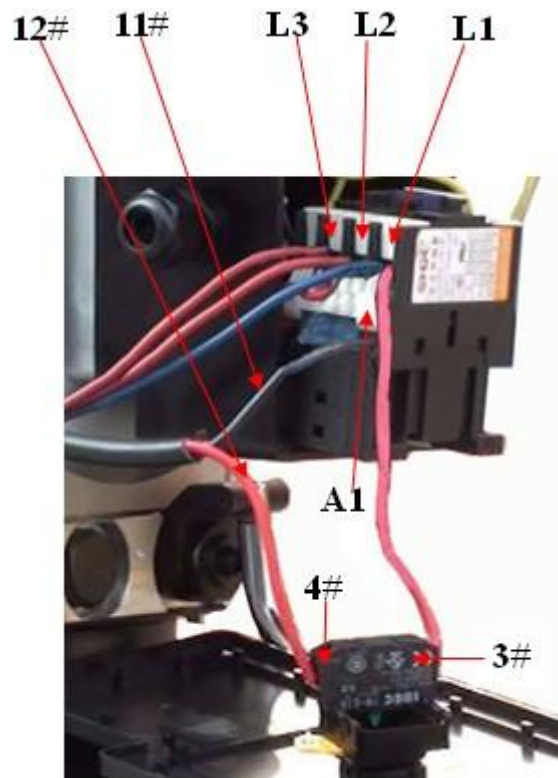
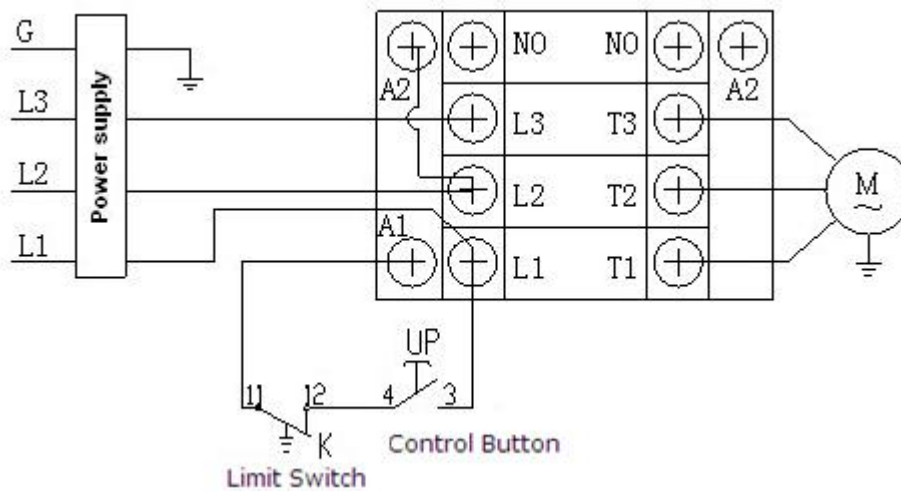


Fig. 42

IV. EXPLODED VIEW

Model 211SAC

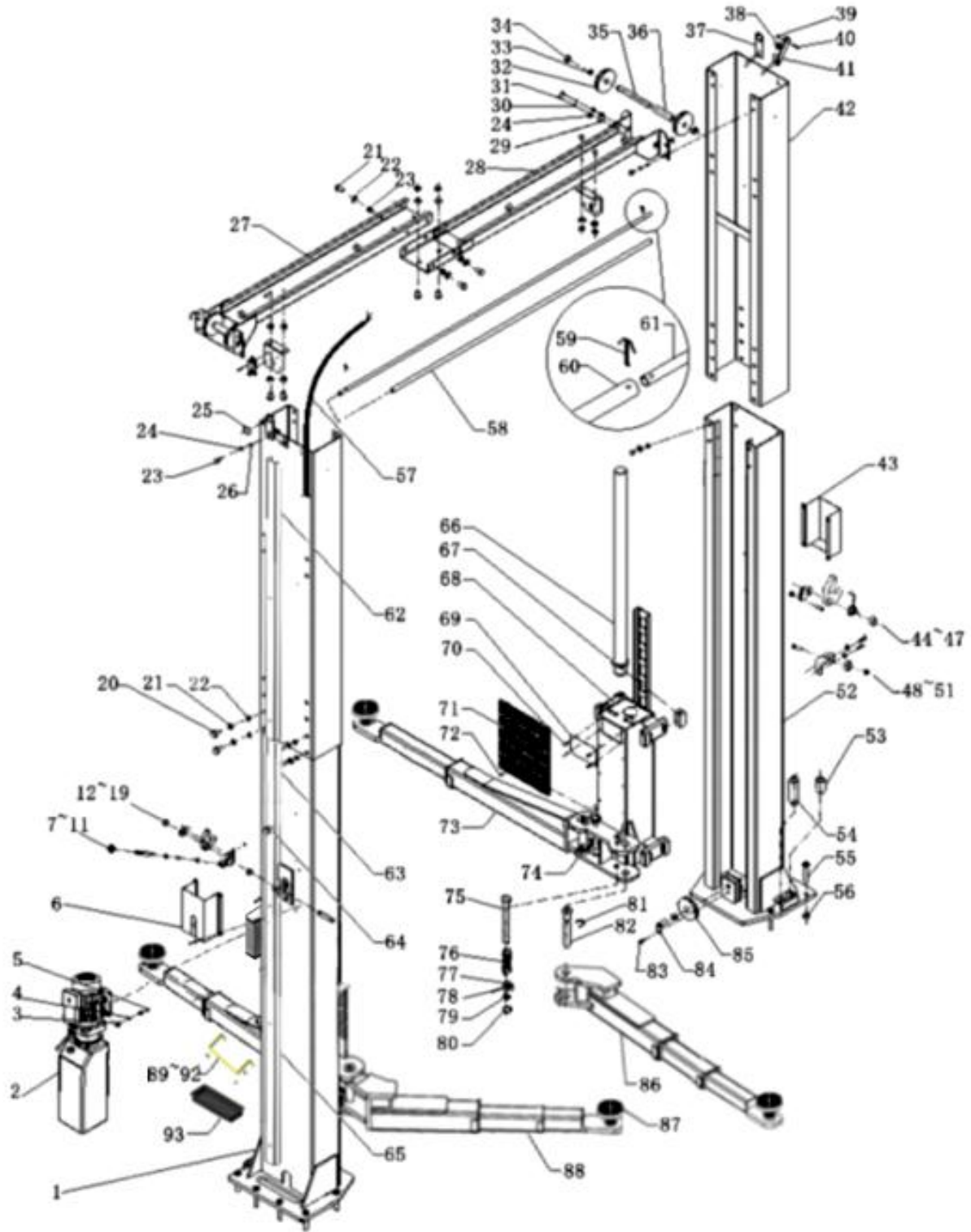


Fig.43

Item	Part#	Description	Quantity
1	11217458	Power-side column (inner)	1
2	81523003	Power unit	1
3	10209003	Hex bolt	4
4	10209033	Washer	4
5	10217002	Washer	4
6	11217405	Power-side Safety Lock Cover	1
7	10217005	Plastic ball	1
8	11217006	Safety Lock handle	1
9	10206023A	Hex Nut	1
10	10420026	Washer	1
11	11217004	Main Cam Lock	1
12	11217436	Large Spacer	2
13	10217030	Safety Spring	2
14	11217009	Main Lock	1
15	10217010	Hex bolt	1
16	10217011	Hex nut	1
17	11217012	Small Spacer	2
18	10217051	Socket Screw	2
19	11217050	Safety pin	2
20	10420018	Washer	8
21	10217069	Hex bolt	34
22	10206006	Washer	35
23	10206023	Self-locking Nut	34
24	10420045	Washer	38
25	1061K074	Protected Ring	2
26	10420018	Self-locking Nut	9
27	11217169	Top Beam(Right)	1
28	11217170	Top Beam(Left)	1
29	11420044	Pin Limit Plate	2
30	10209149	Lock Washer	12
31	10420138	Socket Bolt	4
32	11217019	Top Pulley	4
33	10217020	Bronze Bush for Pulley	6
34	11217021	Top Pulley Spacer	4
35	11217022	Pin for Top Pulley	2
36	11217023	Top Pulley Spacer	2
37	11217024	Oil hose Support Plate	2
38	10206009	Plastic Small Pulley	3
39	10209056	Self-locking Nut	3
40	10209046	Hex bolt	3
41	11217026	Safety Cable Support Bracket	2
42	11217472	Extension column L=1746mm	2
43	11217406	Offside Safety Lock Cover	1
44	10217008	Safety Spring	1
45	11217031	Offside Cam Lock	1
46	10217033	Locking Nut	1
47	10217032	Cable Lock Hold	1

Item	Part#	Description	Quantity
48	10620079	Fitting	1
49	1002165001	Oil hose	1
50	11217029	Small Pulley Bracket	1
51	10217066	Hex Bolt	3
52	11217459	Offside column (Inner)	1
53	11209051B	1.5" Stackable adapter	4
	11209052B	2.5" Stackable adapter	4
54	11209053B	5" Stackable adapter	4
55	10201140	Anchor Bolt	12
56	10201090	Shim(1mm)	10
	10620065	Shim(2mm)	10
57	10217448	Wire Cable	1
58	10206025A	Foam Cushion	1
59	10201005	Split Pin	2
60	11206129	Control Bar	1
61	11206025C	Connecting Pin for Control Bar	2
62	11217475	Wire Protective cover L=1620	2
63	11217473	Wire Protective cover L=1143(High setting)	2
	11217474	Wire Protective cover L=711 (Low setting)	2
64	10206110	Cup Head Bolt M6*35	6
	10206079	Cup Head Bolt M6*40	10
65	11217880	Wire Protective cover L=1320	1
	11217895	Wire Protective cover L=1320	1
66	10217056	Cylinder ϕ 50*1727	2
67	10217188	Slide Block	8
68	11217476	Carriage	2
69	11217054	Carriage Plastic Cover	2
70	10209009	Cup Head Bolt	8
71	10217053	Protective Rubber	2
72	10209019	Screw	12
73	10217332	Lifting Arm assy.-rear	2
74	11217046	Arm Lock bar (Right)	2
75	11217046A	Arm Lock bar (left)	2
76	10217045	Spring	4
77	11217044	Arm Lock	4
78	10640109	Washer	8
79	10206036	Hair Pin	4
80	10206032	Snap Ring	4
81	10520023	Snap Ring	4
82	11217047B	Pin for Lifting arm	4
83	10209038	Hex Bolt	6
84	11217037	Bottom pin	2
85	11217036	Bottom pulley	2
86	10217315	Lifting Arm assy. -front left	1
87	10217114A	Rubber pad assy.	4
87A	11680030B	Rubber Pad frame	4
87B	10420138	Socket Bolt M6*16	12
87C	10209134	Rubber Pad	4

Item	Part#	Description	Quantity
88	10217316	Lifting Arm assy. -front right	1
89	10201002	Hex bolt	8
90	10209034	Lock Washer	8
91	10209033	Washer	8
92	11206154	Rear toe guard	2
93	10206156	Tool tray	2
94	10206062	Straight Fitting	2
95	10207035	Extended Fitting for Cylinder	2
96	10420097	90° Fitting	2
97	10217447	Safety cable $\phi 2.5 \times 9150\text{mm}$	1
98	1102075001	Cable Limit Plate	4
99	10217138	Corrugated pipe	1
100	10209152	Ties	5
101	10217145	Retainer	3
102	10217500B	Parts Box	1
103	10206011	Cup Head Bolt	2
104	10206013	Limit Switch for Control Bar	1
105	11206042	Control lever retaining block	2
106	10209009	Cup Head Bolt	8
107	10209066	Hex Nut	8
108	10217446	Cable $\phi 9.52 \times 11230\text{mm}$	2
109	10420029	Washer $\phi 16$	4
110	10211016	T-Fitting	1
111	10217450	Oil hose $5/16 \times 4530\text{mm}$	1
112	10217449	Oil hose $5/16 \times 5520\text{mm}$	2
113	10209060	90° Fitting for power unit	1

4.1 Lifting arm assy. - Rear (10217333) exploded view:

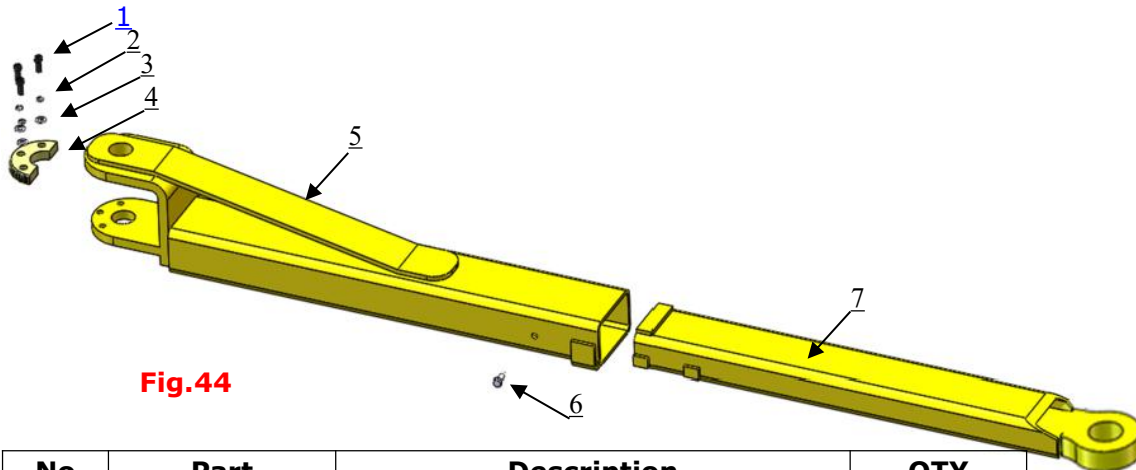


Fig.44

No	Part	Description	QTY
1	10206048	Socket bolt	6
2	10209039	Washer	6
3	10209022	Washer	6
4	11206049	Moon gear	2
5	11217329	Outer arm-rear	2
6	10201149	Cup head bolt	2
7	11217330	Inner arm-rear	2

4.2 Lifting arm assy.-Front left (10217318) exploded view:

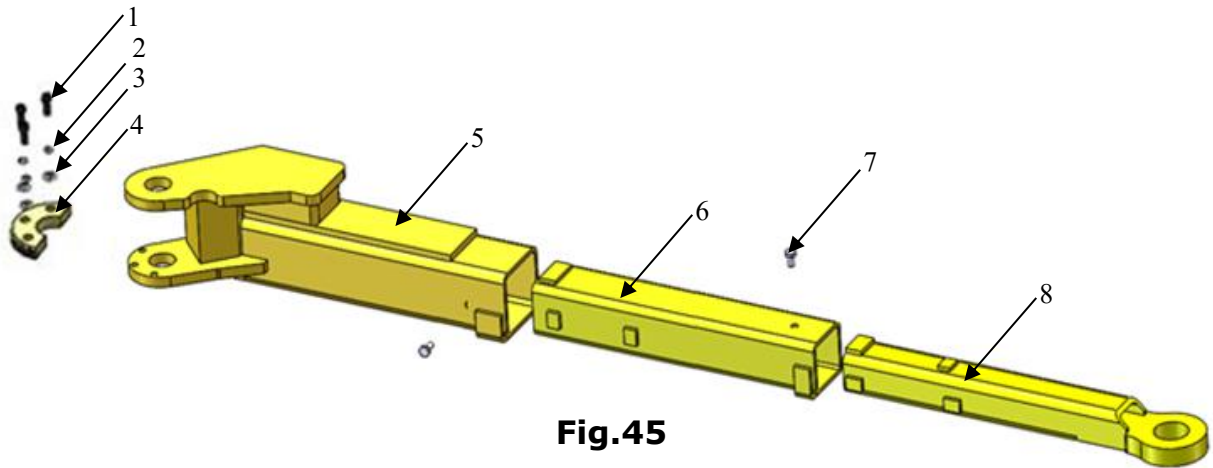


Fig.45

No	Part	Description	QTY
1	10206048	Socket bolt	3
2	10209039	Lock washer	3
3	10209022	Washer	3
4	11206049	Moon gear	1
5	11217323	Right Outer arm-Front	1
6	11209244	Middle arm-Front	1
7	10201149	Cup Head Bolt	2
8	11217334	Inner Arm-Front	1

4.3 Lifting arm assy. -Front right (10217319) exploded view:

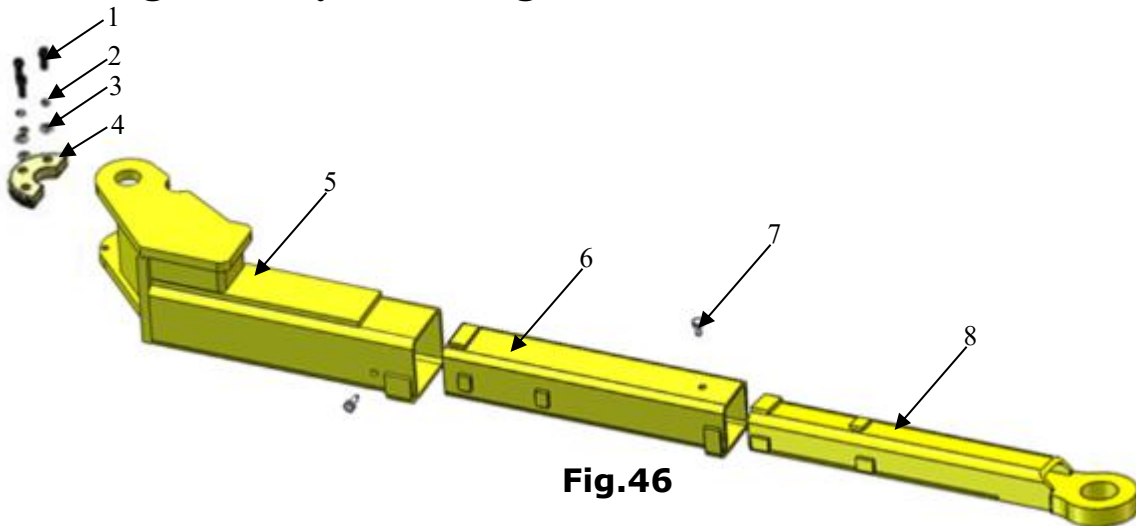


Fig.46

No	Part	Description	QTY
1	10206048	Socket bolt	3
2	10209039	Lock washer	3
3	10209022	Washer	3
4	11206049	Moon gear	1
5	11217322	Left Outer arm-Front	1
6	11209244	Middle arm-Front	2
7	10201149	Cup Head Bolt	2
8	11217334	Inner Arm-Front	2

4.4 Cylinder (10217056) exploded view:

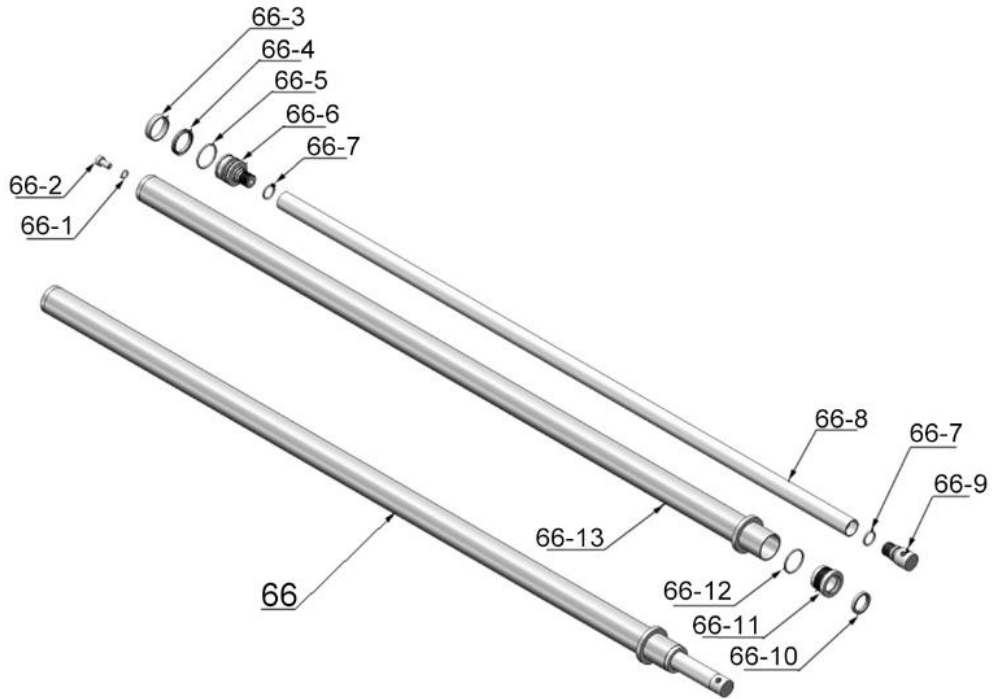


Fig.47

Cylinder parts list

Item	Par #	Description	QTY
66-1	10209069	O-Ring	2
66-2	10209070	Bleeding Plug	2
66-3	10209071	Support Ring	2
66-4	10209072	Y-Ring	2
66-5	10209073	O-Ring	2
66-6	11209074	Piston	2
66-7	10209075	O-Ring	4
66-8	11217076	Piston Rod	2
66-9	11209077	Fitting for Piston Rod	2
66-10	10209078	Dust Ring	2
66-11	11209079	Head Cap	2
66-12	10209080	O-Ring	2
66-13	11209081A	Bore Weldment	2

4.5 POWER UNIT EXPLODED VIEW(81513003/81513004)

220V/50Hz, Single Phase

380V/50Hz, Three phase

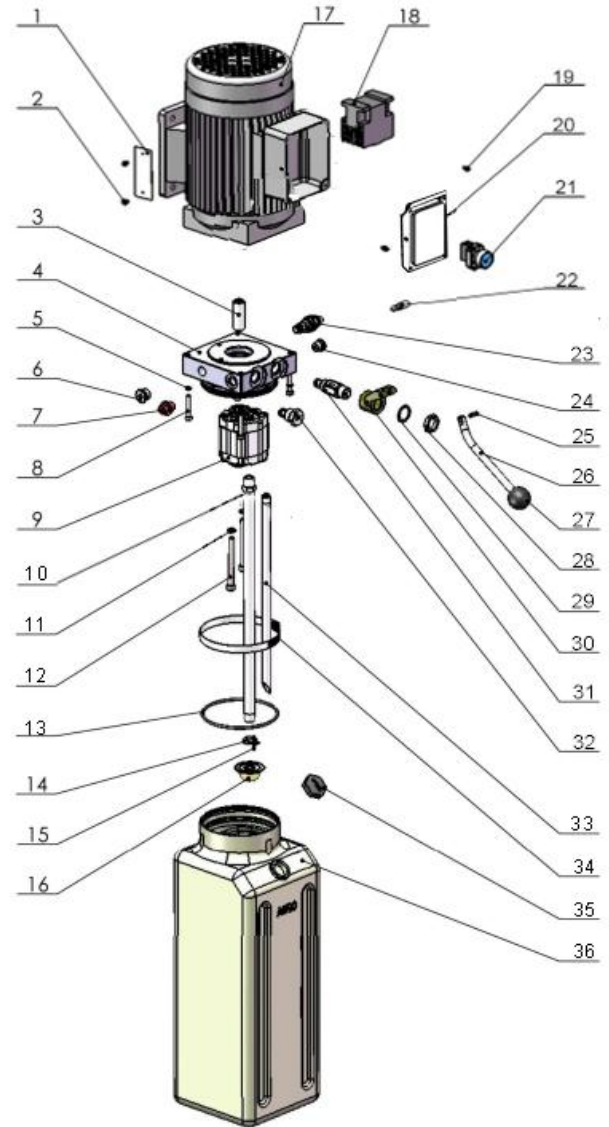
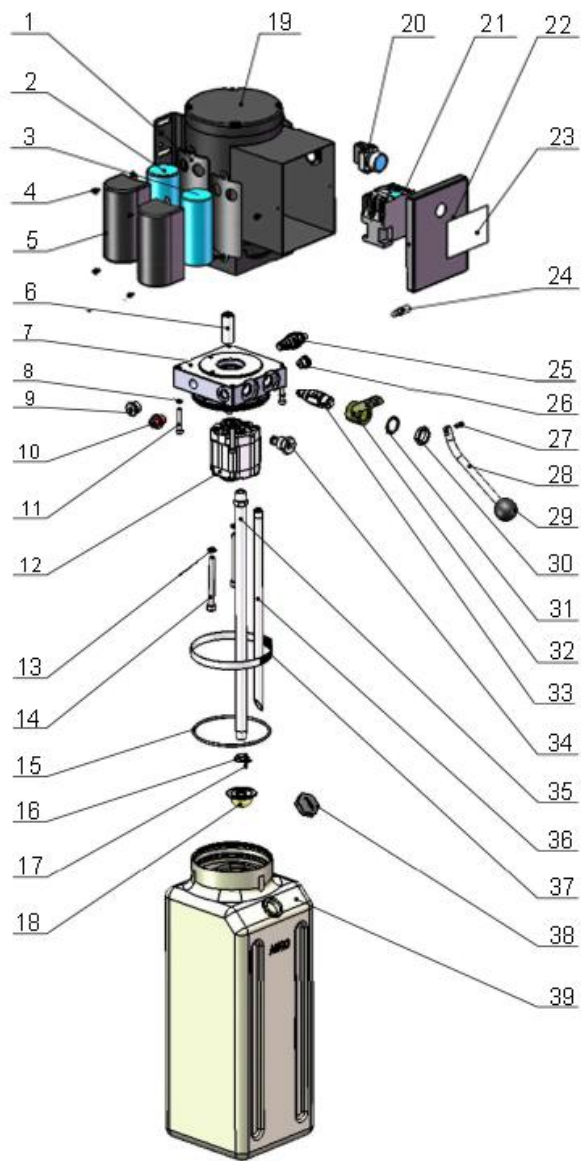


Fig. 48

Parts list for 220V/50Hz, Single Phase

Item	Part#	Description	Qty
1	81400180	Rubber Pad	2
2	81400250	Starting capacitor	1
3	81400200	Running capacitor	1
4	10420148	Cup Head Bolt with washer	6
5	81400066	Cover of Motor Terminal Box	2
6	81400363	Motor Connecting Shaft	1
7	80101013	Manifold block	1
8	10209149	Washer	4
9	81400276	Iron plug	1
10	81400259	Red rubber plug	1
11	85090142	Socket bolt	4
12	81400158	Gear pump	1
13	10209034	Washer	2
14	81400295	Socket bolt	2
15	81400365	O ring	1
16	10209152	Ties	1
17	85090167	Magnet	1
18	81400290	Filter	1
19	81400413	Steel Motor	1
20	10420070	Push button	1
21	41030055	AC connector	1
22	81400528	Motor terminal box cover	1
23	71111171	AMGO power unit label	1
24	81400560	Throttle valve	1
25	81400266	Relief valve	1
26	81400284	Inner hex iron plug	1
27	10720118	Hair pin	1
28	81400451	Release valve handle	1
29	10209020	Plastic ball	1
30	81400421	Release valve nut	1
31	81400422	Shim	1
32	81400447	Valve Seat	1
33	81400567	Release Valve	1
34	81400560	Check Valve	1
35	81400366	Oil suction pipe	1
36	81400367	Oil return pipe	1
37	81400364	Clamp	1
38	81400263	Oil tank cap	1
39	81400319	Oil tank	1

Parts list for 380V/50Hz, Three phase

Item	Part#	Description	Qty
1	71150022	AMGO Nameplate	1
2	81400300	Cup Head Bolt	2
3	81400363	Motor Connecting Shaft	1
4	80101013	Manifold block	1
5	10209149	Washer	4
6	81400276	Iron plug	1
7	81400259	Red rubber plug	1
8	85090142	Socket Bolt	4
9	81400307	Gear pump	1
10	81400366	Oil suction hose	1
11	10209034	Washer	2
12	81400295	Socket bolt	2
13	81400365	O ring	1
14	10209152	Ties	1
15	85090167	Magnet	1
16	81400290	Filter	1
17	81400309	Motor	1
18	81400348	AC connector	1
19	10420148	Cup head bolt	2
20	81400481	Motor Terminal Box cover	1
21	10420070	Push Button	1
22	81400560	Throttle valve	1
23	81400266	Relief Valve	1
24	81400284	Iron plug	1
25	81400452	Pin	1
26	81400451	Release Valve Handle	1
27	10209020	Plastic Ball	1
28	81400421	Release Valve Nut	1
29	81400422	Self Lock washer	1
30	81400447	Valve Seat	1
31	81400567	Release Valve	1
32	81400560	Check Valve	1
33	81400367	Oil Return Hose	1
34	81400364	Clamp	1
35	81400263	Oil tank cover	1
36	81400319	Oil tank	1

4.6, Illustration of hydraulic valve for power unit

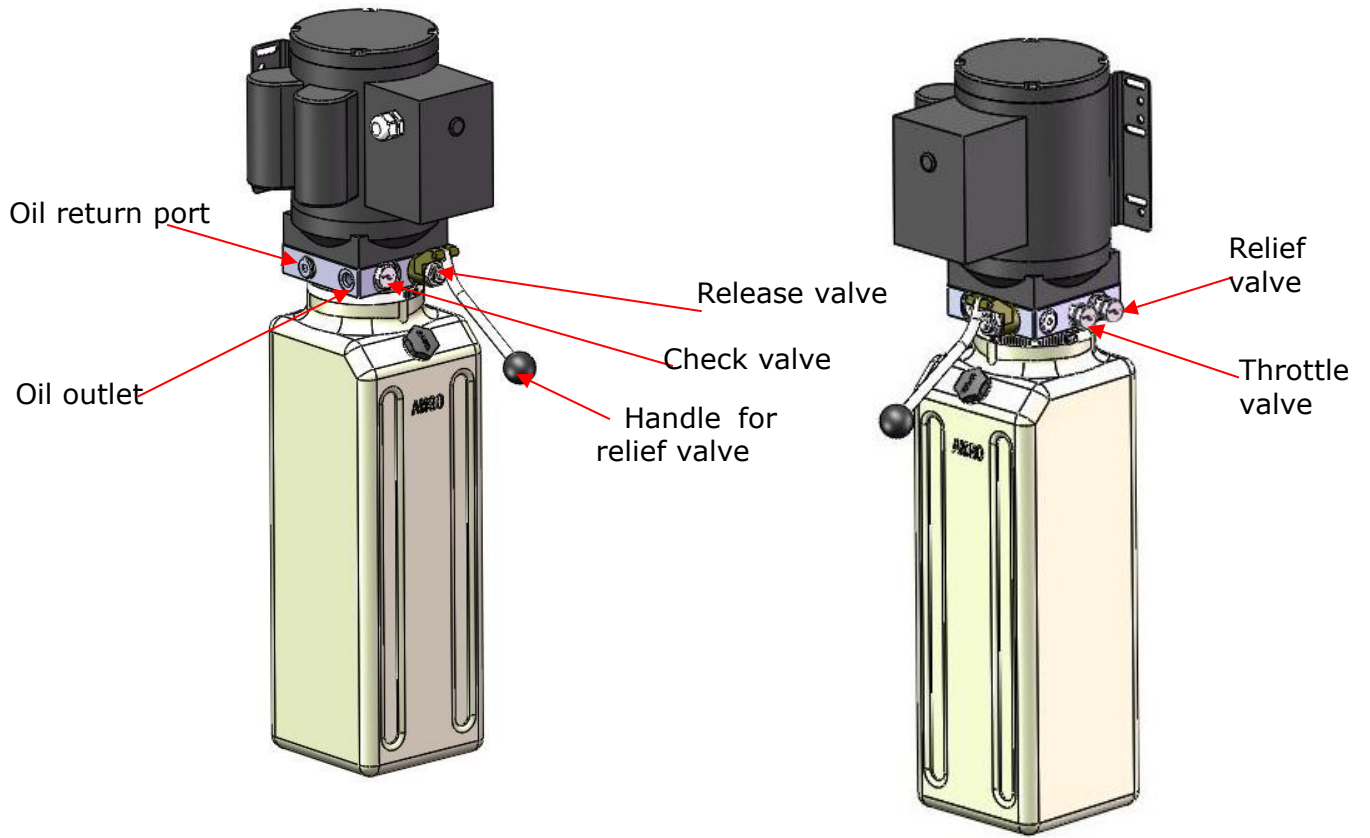


Fig. 49

V. TEST RUN

1. Adjust synchronous cable (See Fig. 50)

Use wrench to hold the cable fitting, meanwhile use ratchet spanner to tighten the cable nut. Make sure two cables are with the same tension so that two carriage can work synchronously. Fit the plastic hole cover on the lifting head.

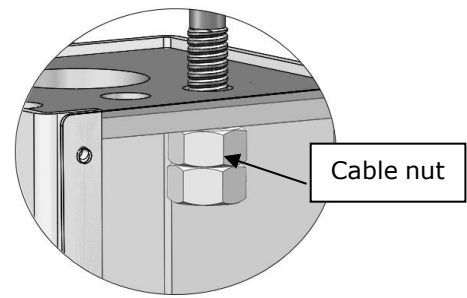


Fig. 50

If the carriage does not Synchronize when lifting, please tighten the cable nut of lower side carriage.

2. Adjust safety cable

Lifting the carriages and lock at the same height, strain the safety cable and then release a little, and then tighten the cable nuts. Make sure the safety device can always be worked properly.

3. Bleeding air

This hydraulic system is designed to bleed air by loosening the bleeding plug. Lifting the carriages to about 1 meter height, and loose the bleeding plug, the air would be bled automatically, then tighten the plug after bleeding, the lift would work stably and smoothly. otherwise repeat bleeding (See Fig. 51).

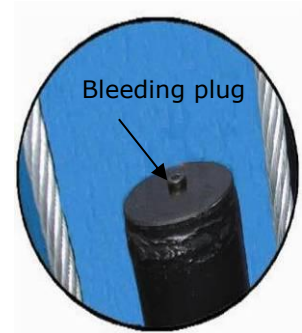
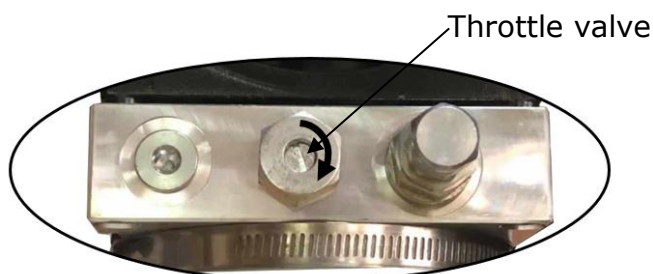


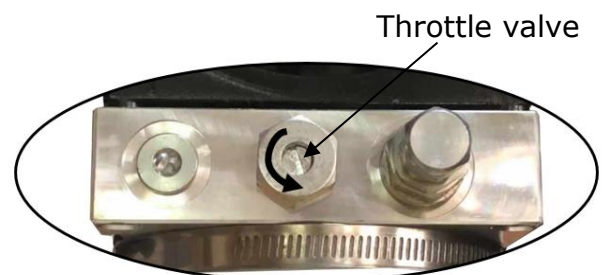
Fig. 51

4. Adjust the lower speed

You can adjust the lower speed of the lift if needing: turn the throttle valve clockwise to decrease the lower speed, counterclockwise to increase the lower speed. (See Fig. 52)



Clockwise to decrease the lower speed.



Counterclockwise to increase the lower speed.

Fig.52

5. Test with load

After finishing the above adjustment, test running the lift with load. Run the lift in low position for several times first, make sure the lift can rise and lower synchronously, 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.

NOTE: It may be vibrated when lifting at start, lifting it with load for several times, the air would be bled and the vibration would be disappeared automatically.

Hydraulic Schematic Diagram

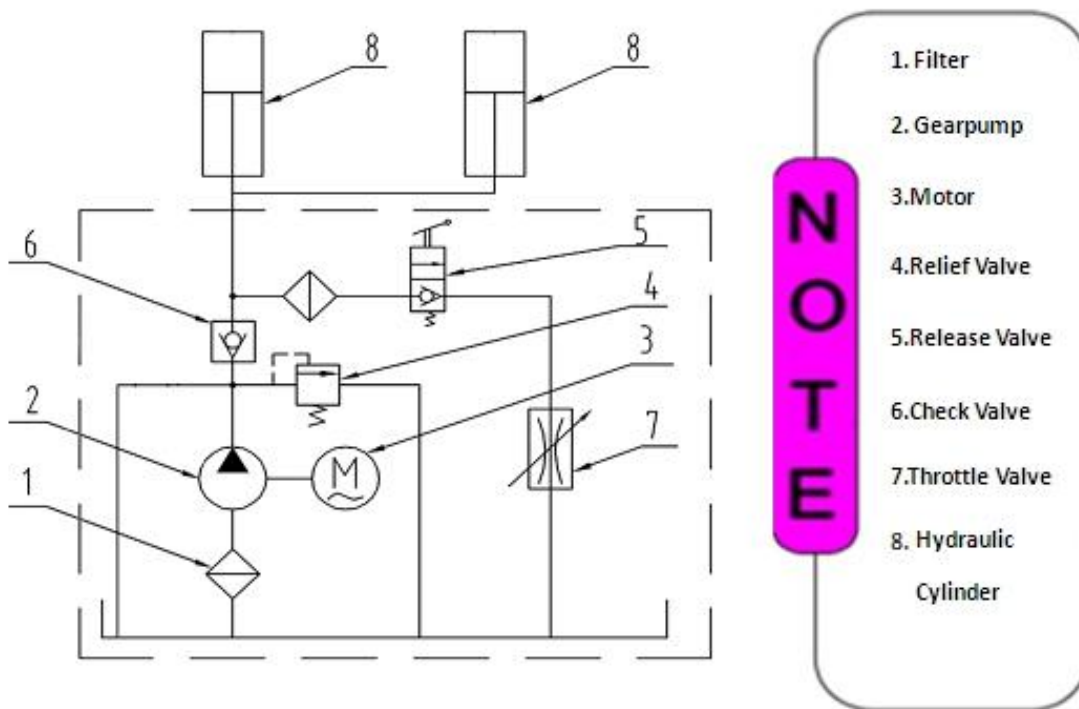


Fig. 53

VI. OPERATION INSTRUCTIONS

Please read the safety tips carefully before operating the lift

To lift vehicle

1. Keep clear of site near the lift;
2. Position lift arms to the lowest position;
3. To shortest lift arms;
4. Open lift arms;
5. Position vehicle between columns;
6. Move arms to the vehicle's lifting point;

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

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

To lower vehicle

1. Be sure clear of around and under the lift, only leaving operator in lift area;
2. Push button "**UP**" to raise the vehicle slightly, and then release the safety device, lower vehicle by pushing lowering handle.
3. Open the arms and position them to the shortest length;
4. Drive away the vehicle.
5. Turn off the power.

VII. MAINTENANCE SCHEDULE

Monthly:

1. Re-torque the anchor bolts to 150 Nm;
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 proper condition;
6. Lubricate all Rollers and Pins with 90wt. Gear oil or equivalent;

Note: All anchor bolts should take full torque. If any of the bolts 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 of the cables to insure level lifting.
3. Check columns for plumbness.
4. Check Rubber Pads and replace as necessary.
5. Check Safety device and make sure proper condition.

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.

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	<ol style="list-style-type: none"> 1. Start button does not work 2. Wiring connections are not in good condition 3. Motor burned out 4. AC contactor in damage 	<ol style="list-style-type: none"> 1. Replace Start button 2.Repair all wiring connections 3. Repair or replace motor 4. Replace 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 leaks 	Repair or replace
Lift raises slowly	<ol style="list-style-type: none"> 1. Oil line is jammed 2. Motor running on low voltage 3. Oil mixed with air 4. Gear Pump leaks 5. Overload lifting 	<ol style="list-style-type: none"> 1. Clean the oil line 2. Check electrical system 3. Fill tank 4. Replace pump 5. Check load
Lift cannot lower	<ol style="list-style-type: none"> 1. Safety device are locking. 2. Release valve in damage 3. Safety cable broken 4. Oil system is jammed 	<ol style="list-style-type: none"> 1. Release the safeties 2. Repair or replace 3. Replace 4. Clean the oil system

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.



Manual No.: 72221707

Date: 2021/01