AMGO®

Original

Installation And Service Manual

TWO-POST LIFT

Model: E245CHX

CONTENTS

I. PRODUCT FEATURES AND SPECIFICATIONS

CLEARFLOOR DIRECT-DRIVED MODEL FEATURES MODEL E245CHX (See Fig.1)

· Direct-driving design, minimize the lift wear parts and breakdown ratio.

. Two section column construction, with low and high setting

· Dual hydraulic cylinders is designed and manufactured according to standard,utilizing imported seals

· Self-lubricating UHMW Polyethylene sliders and bronze bush.

· Electric safety release, and dual safety design.

· Clear-floor design, provide unobstructed floor space.

· Overhead safety shut-off device.

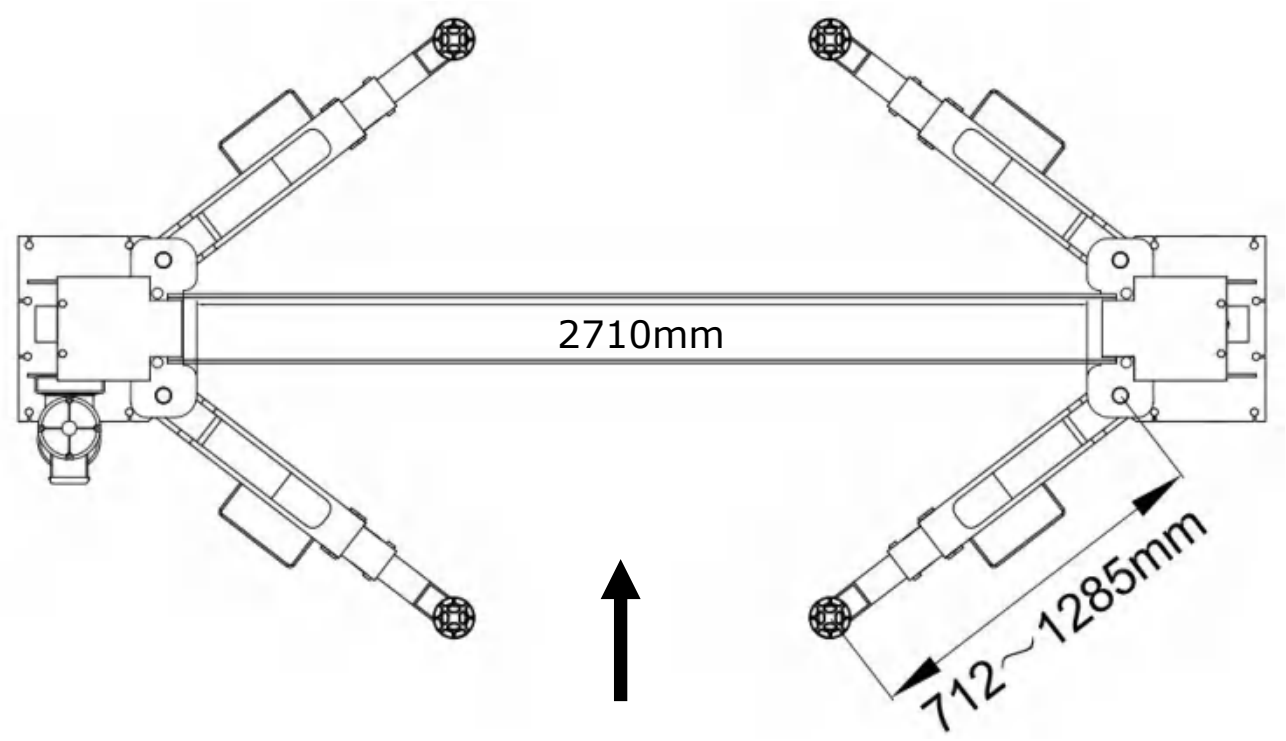
· 4pcs three stage arms design, combined drop-in and double screw rubber pad assembly.

Fig. 1

MODEL E245CHX SPECIFICATIONS

Model	Style	Lifting Capacity	Lifting Time	Lifting Height	Overall Height	Overall Width	Minimum Pad Height	Motor
E245CHX	Clear-floor Direct-drive	4,500kgs	64S	2010-2145mm	4035 /4313mm	3666mm	100mm	3.0HP

E245CHX Arm Swings View



Drive-in

direction

Fig. 2

II. INSTALLATION REQUIREMENT

A. TOOLS REQUIRED

- Rotary Hammer Drill (Φ19)

- Carpenter's Chalk

- Hammer

- Screw Sets

- Level Bar

- Tape Measure (7.5m)

- English Spanner (12")

- Pliers

Ratchet Spanner With Socket (28#)

Socket Head Wrench (3#, 6#)

Wrench set

Wrench set

(10#, 12#, 13#, 14#, 17#, 19#, 24#, 30#)

Fig. 3

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. 4

D. SPECIFICATIONS OF CONCRETE (See Fig. 5)

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 100mm 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 without cracks.

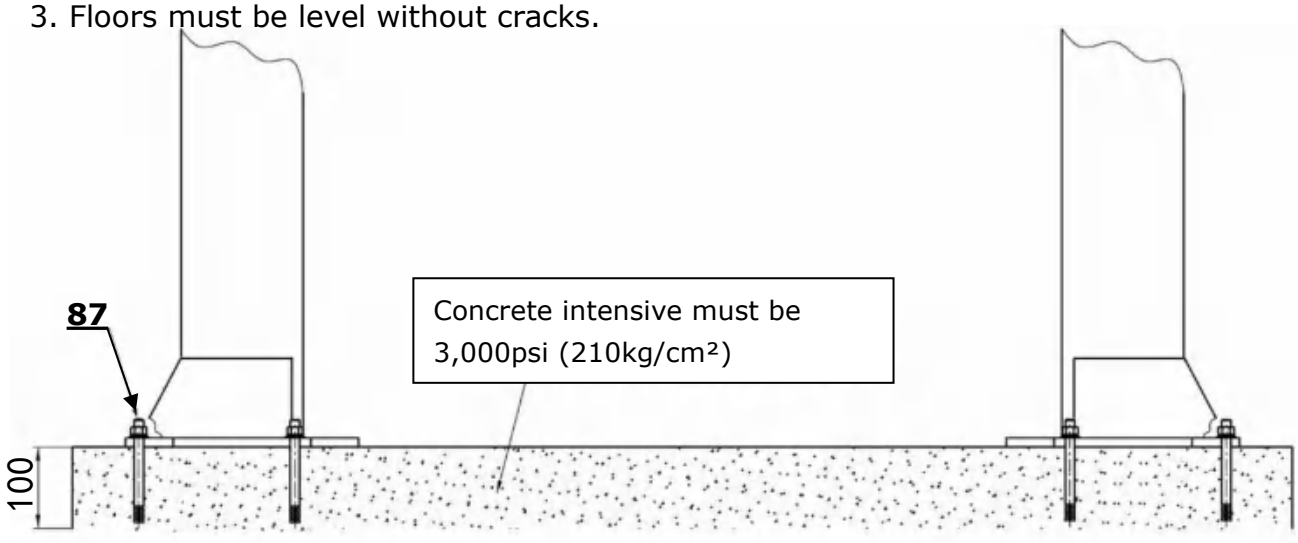


Fig. 5

E. POWER SUPPLY

The electrical source must be 3.0HP minimum. The source cable size must be 2.5mm² and in good condition of contacting with floor.

III. STEPS OF INSTALLATION

A. Check and insure 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 baseplate (See Fig. 6).

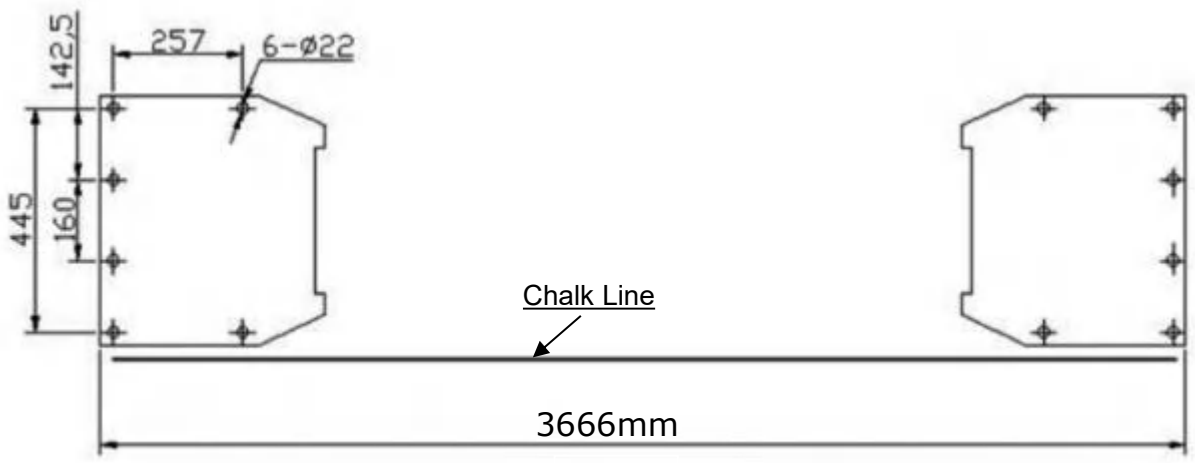


Fig. 6

C. Check the parts before assembly

1. Packaged lift and hydraulic power unit **(see Fig. 7)**

Fig. 7

2. Move the lift aside with a fork lift or hoist, and open the outer packing carefully, take off the parts from upper and inside the column, take out the parts box, check the parts according to the shipment parts list **(See Fig. 8).**

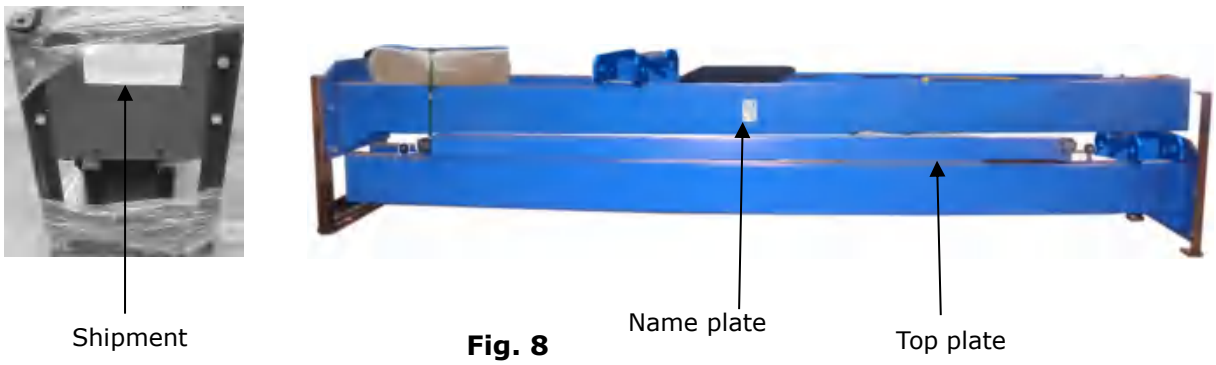
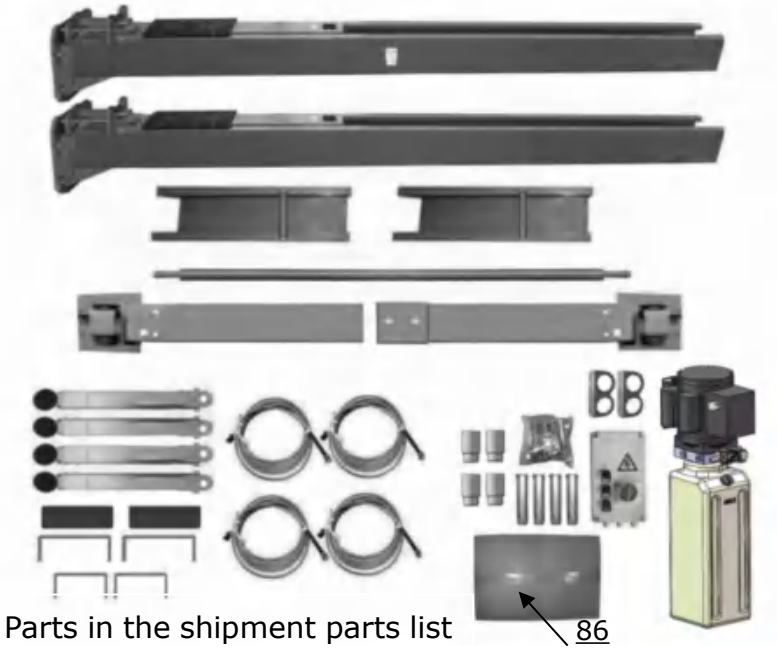


Fig. 8

3. Loosen the bolts of the upper package stand, take off the upper column by forklift and remove the package stand**.**

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

4.1 Parts list (See **Fig.9**).



Parts in the shipment parts list

Fig. 9

4.2 Part box list (See **Fig.10**)

Fig. 10

Parts in the parts box (100)

5. Open the bag of parts and check the parts of the parts bag according to parts bag list **(See Fig. 11).**

Fig. 11

D. Install columns

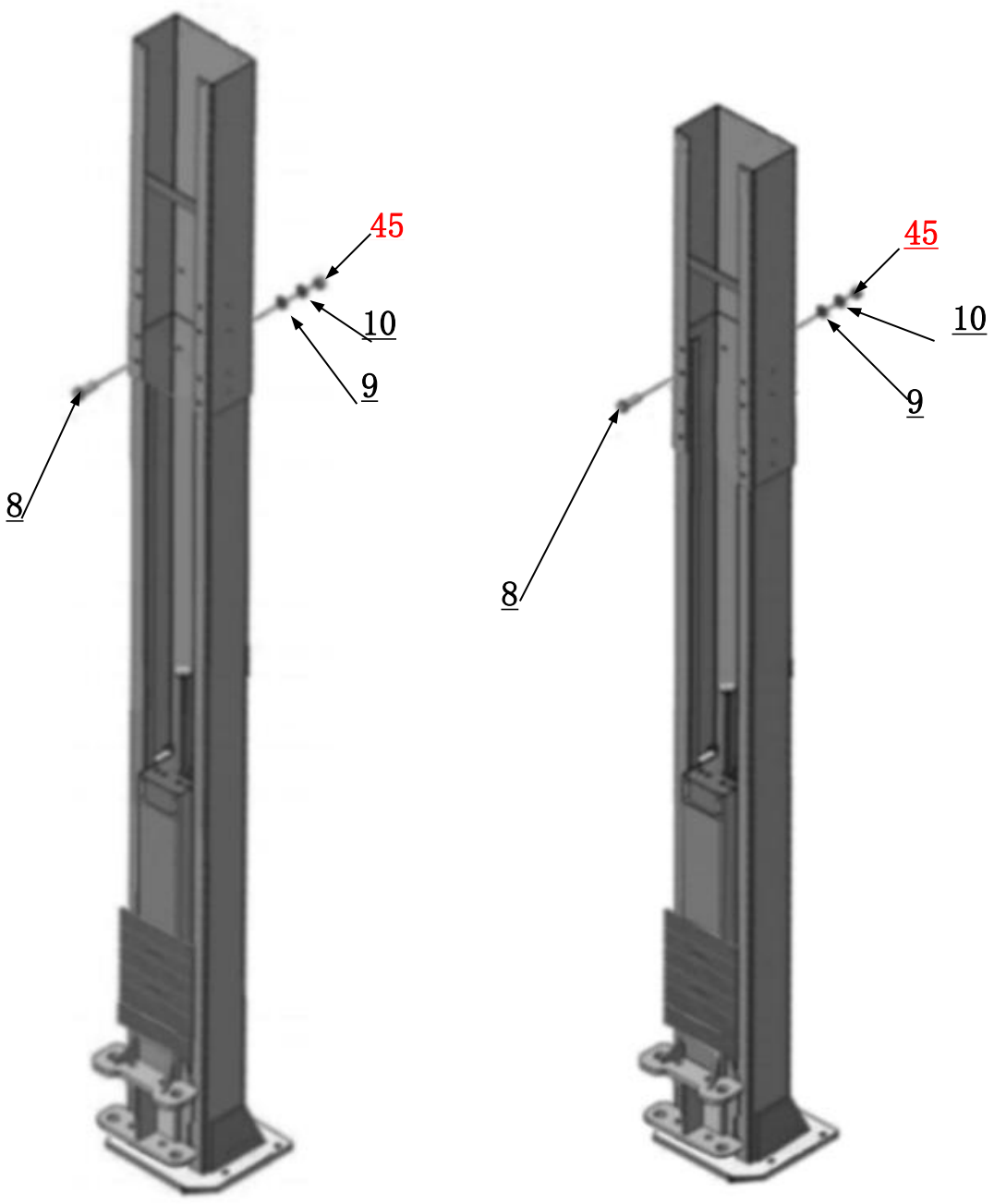
Lay down two columns on the installation site parallel, position the power-side column according to the actual installation site. Usually, it is suggested to install power-side column on the right side of vehicles enter direction.**(See Fig.12)**

This lift is designed with 2-section columns. Adjustable height according to the ceiling height and connecting the inner and extension columns.

Ceiling height is over 4343mm, it can be both low and high setting;

Ceiling height between 4065-4343mm, only available low setting;

It is not allowed to install if the ceiling height less than 4065mm.



High Setting

Low Setting

Fig.12

E. Position columns

Position the columns on the installation layout of base plate. Install the anchor bolts. Do not tighten the anchor bolts **(See Fig.13)**.

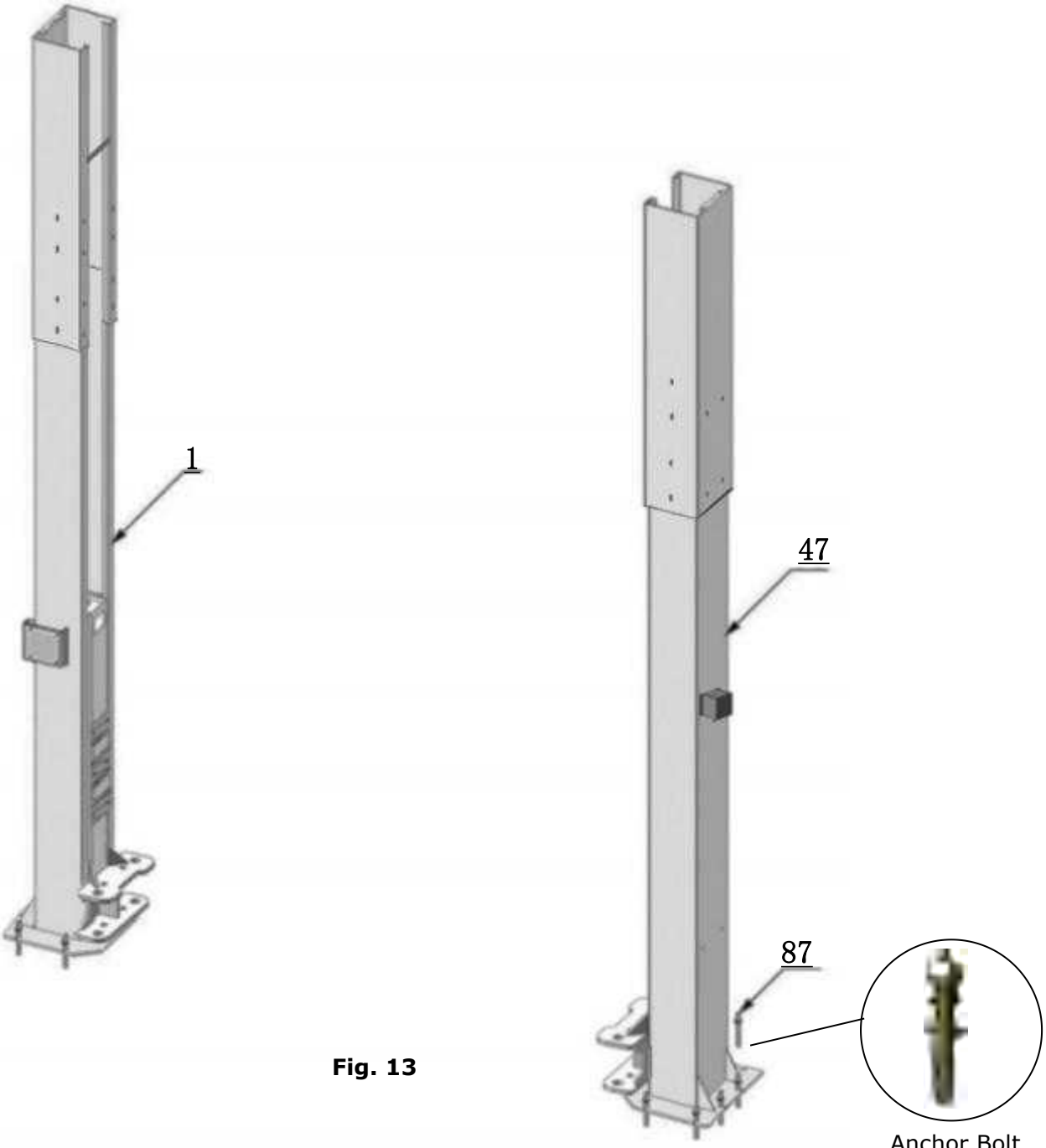
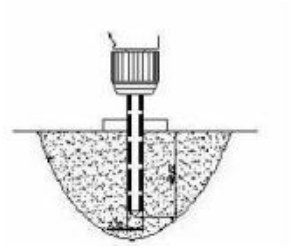
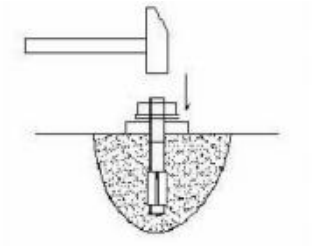


Fig. 13

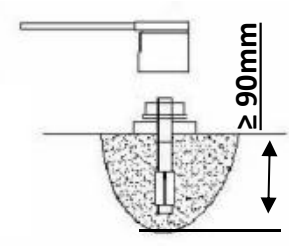
Note: Minimum embedment of Anchors is 90mm.



Drilling



Cleaning



Bolting

F. Assemble overhead top beams. (See Fig. 14).

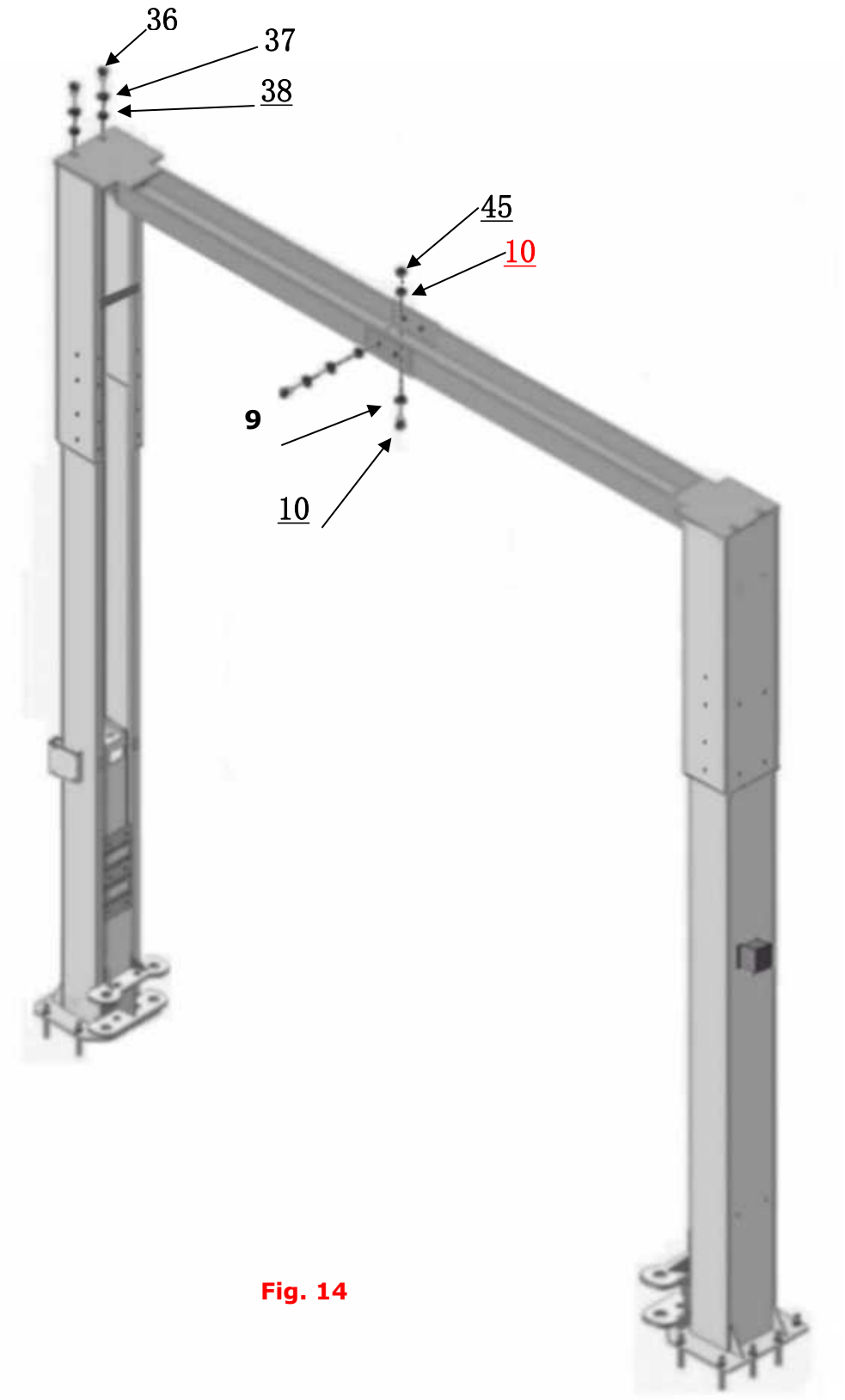


Fig. 14

G. Position the columns

Install anchor bolts. Position the columns on the installation layout. Check the columns verticality with level bar, and adjusting with the shims if the columns are not vertical. **(See Fig.15)**.

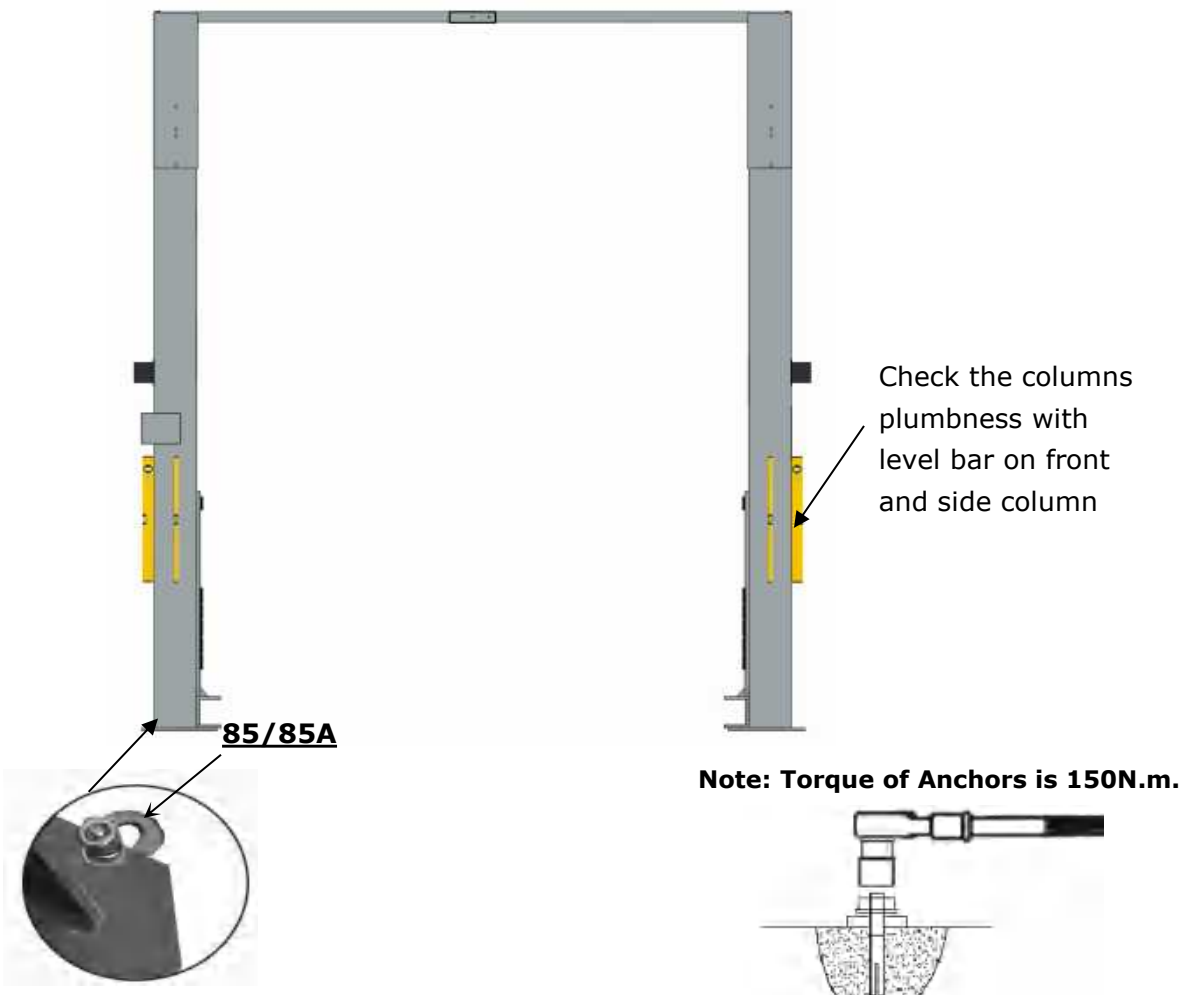


Fig.15

H. Install electromagnet, wire assy. and safety blocks testing.

1. Remove the both side columns electromagnet protective cover (See Fig. 16).

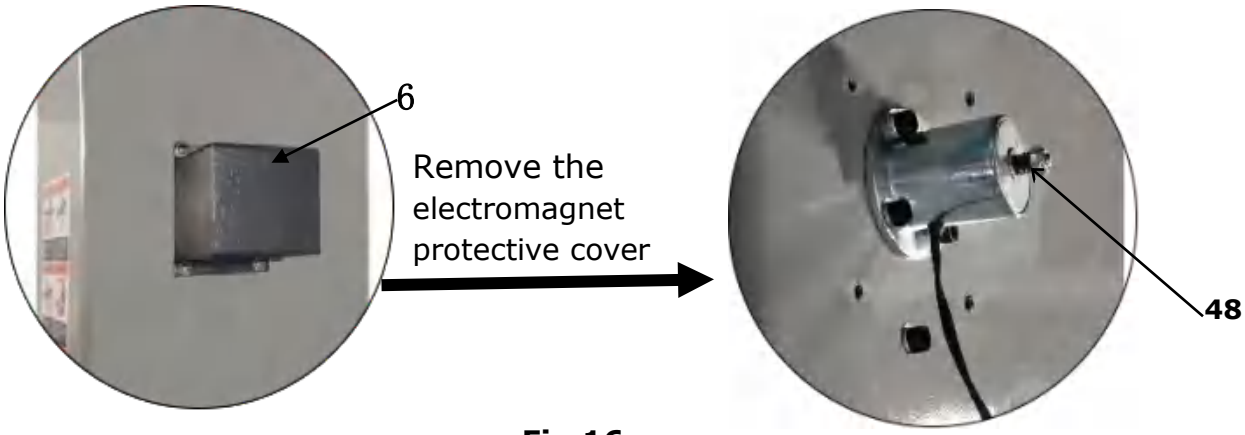


Fig.16

2. Install electromagnet, wire assy. **(see Fig.17)**

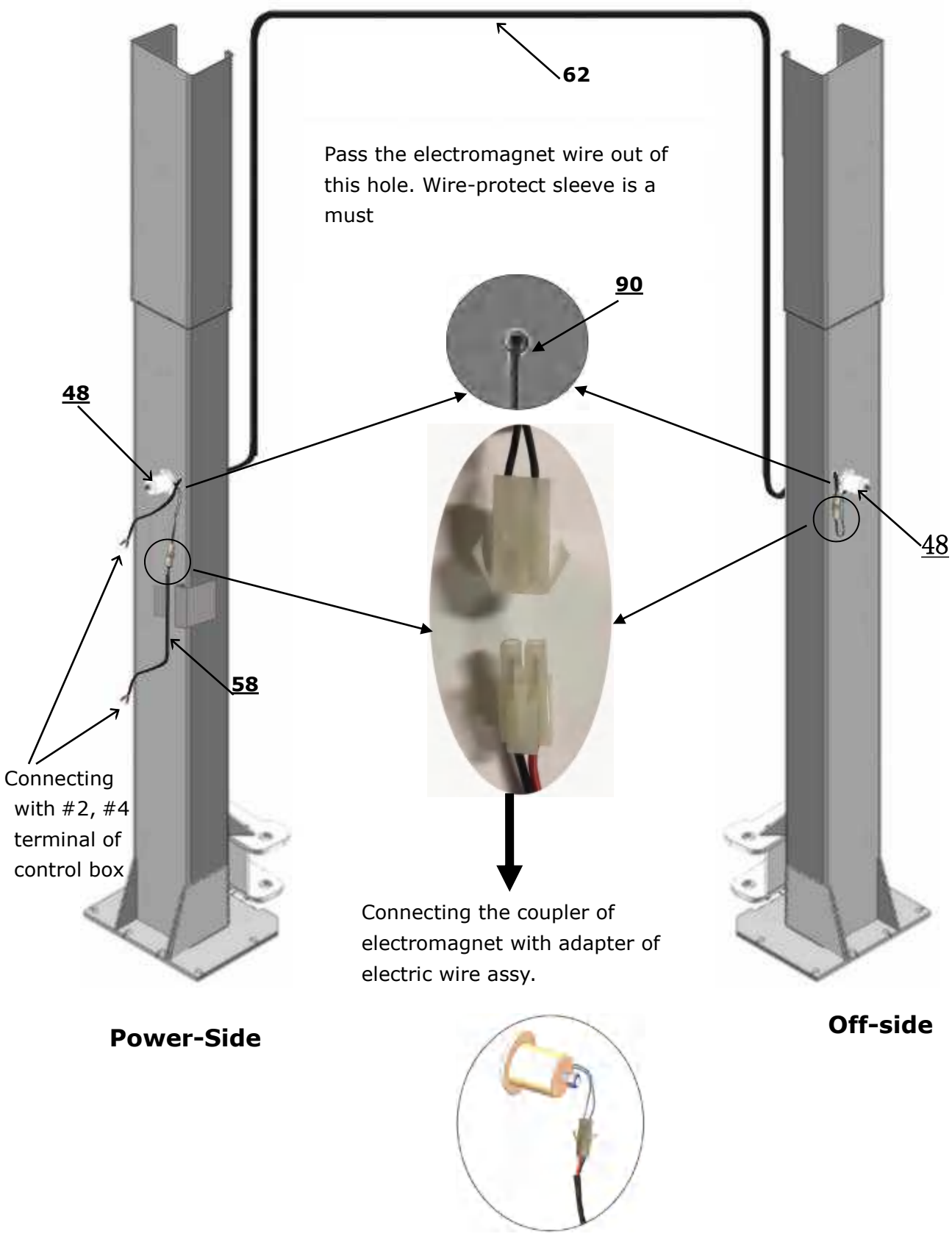


Fig.17

3. Safety lock testing .

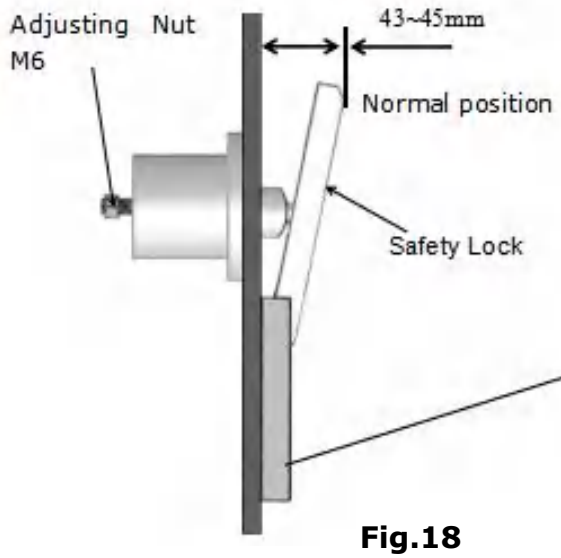


Fig.18

Fig.19

Measure the distance between the inside of the column and the outermost side of the safety lock **(See Fig 18)**, ensure that the distance is between 43-45mm. If it is out of the range, adjust the fixing nut **(Fig.19)**. Clockwise to decrease the distance, counterclockwise to increase the distance.

4, Install the electromagnet protective cover after finishing adjustment. (See Fig.20)

Fig.20

I, Raise the carriage to the same level of safety device. See Fig.21

Note: Make sure that safety block is completely stuck with the carriage.

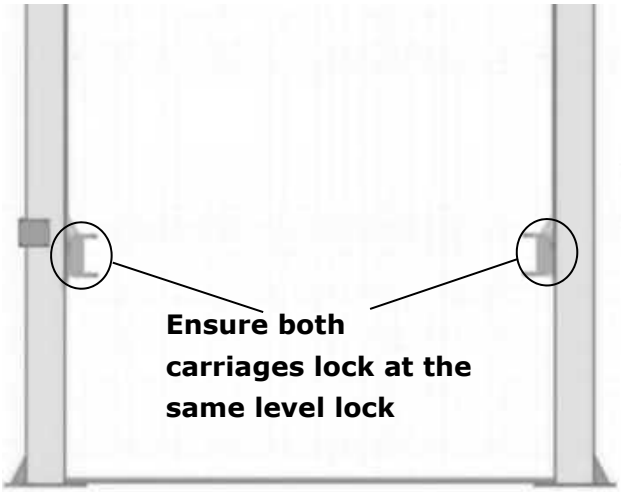


Fig.21

J, Install cables, See Fig.22. (The high and low setting is same installation way)

Note: The cable length is different for high and low setting

High Setting ： φ9.5*10473mm

Low Setting ： φ9.5*9915mm

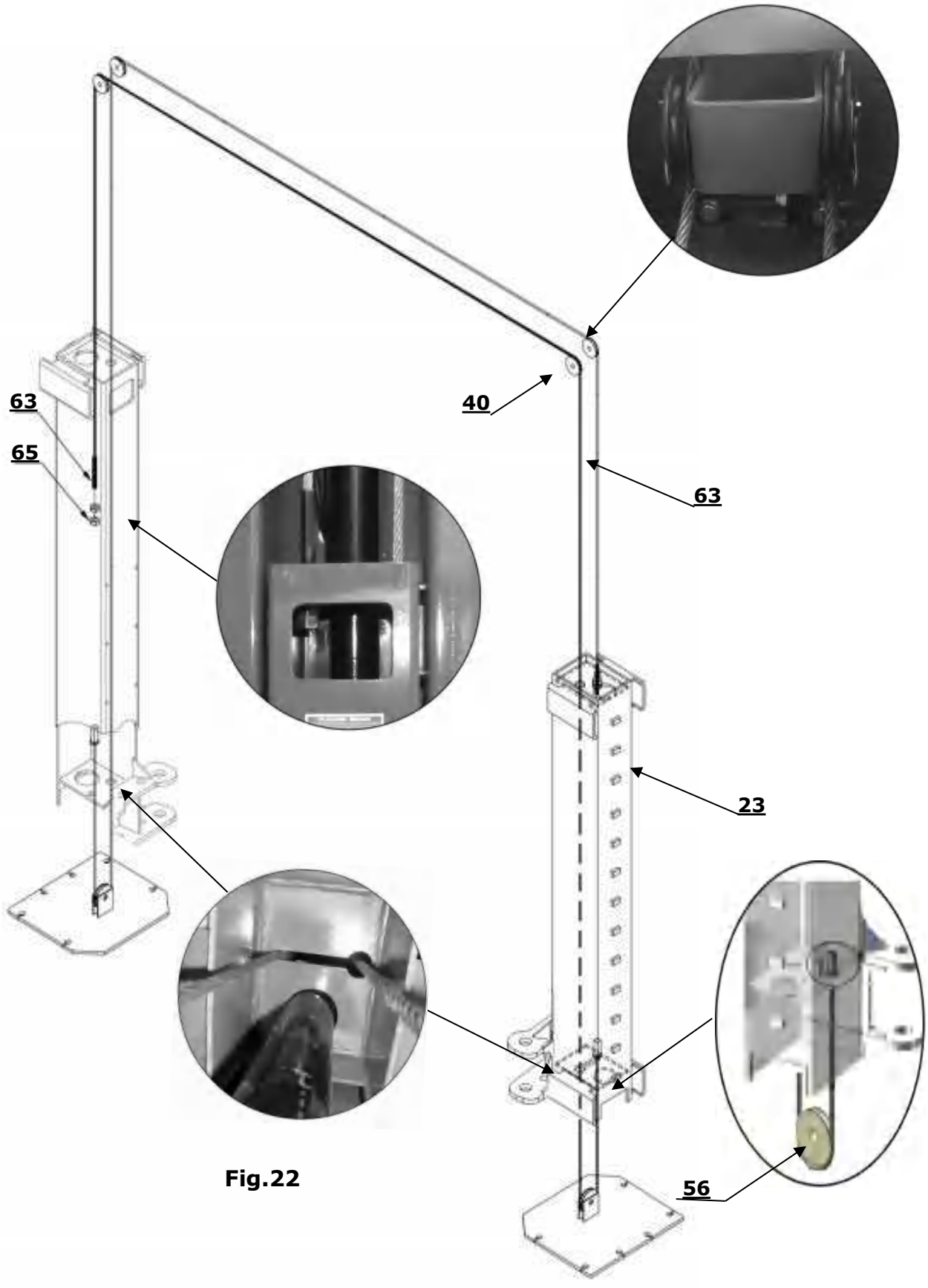


Fig.22

K, Assembly oil hose, tighten all the oil hose fitting. (See Fig.23)

Note: No.69 & 70 Only required for high setting installation

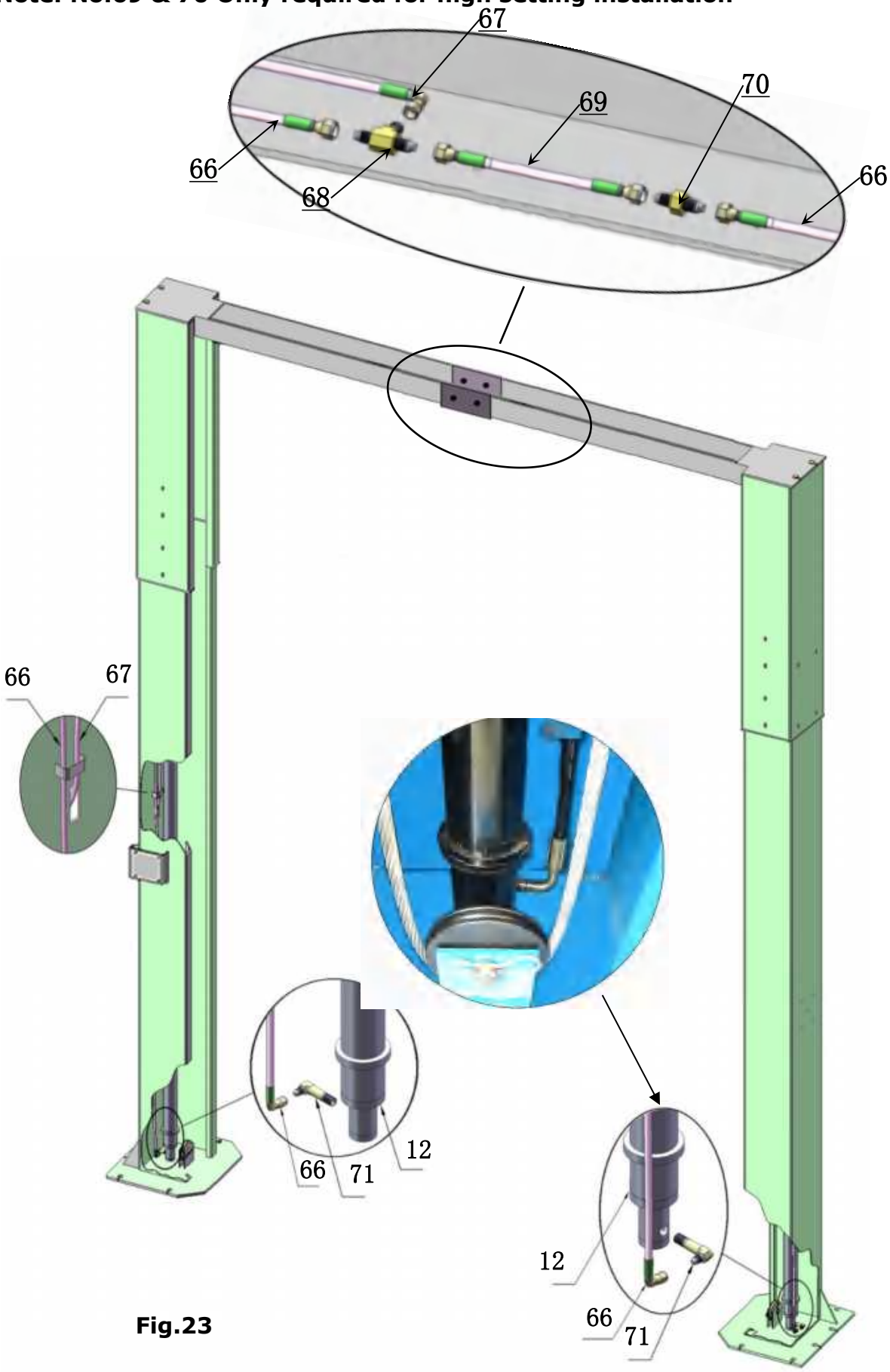


Fig.23

L, Install power unit and oil hose. (See Fig.24)

Pay attention to lock the hose and power unit fitting to prevent oil leakage.

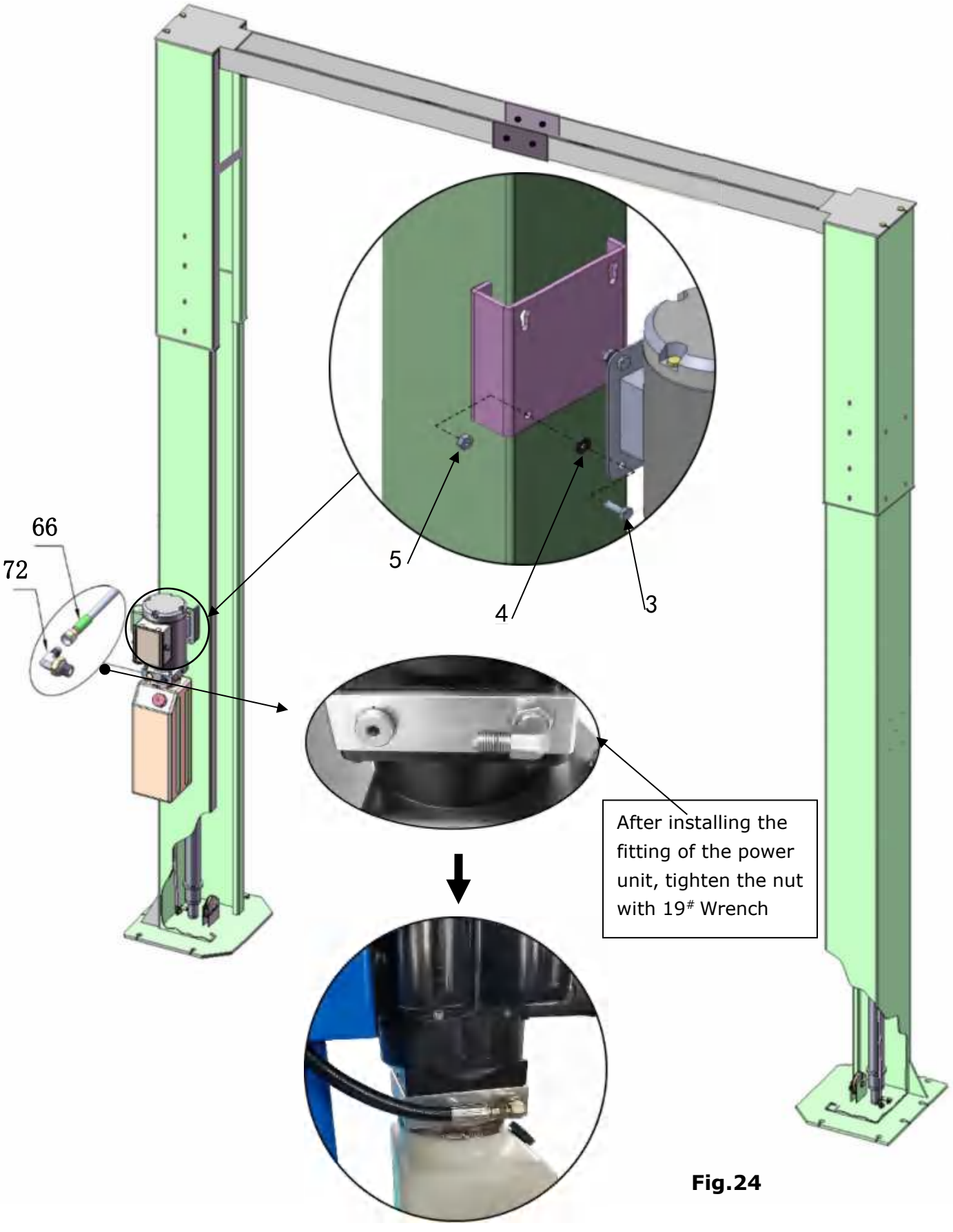


Fig.24

M. Install control bar and limit switch (See Fig. 25)

1. Fix the the control bar on the top beam first.

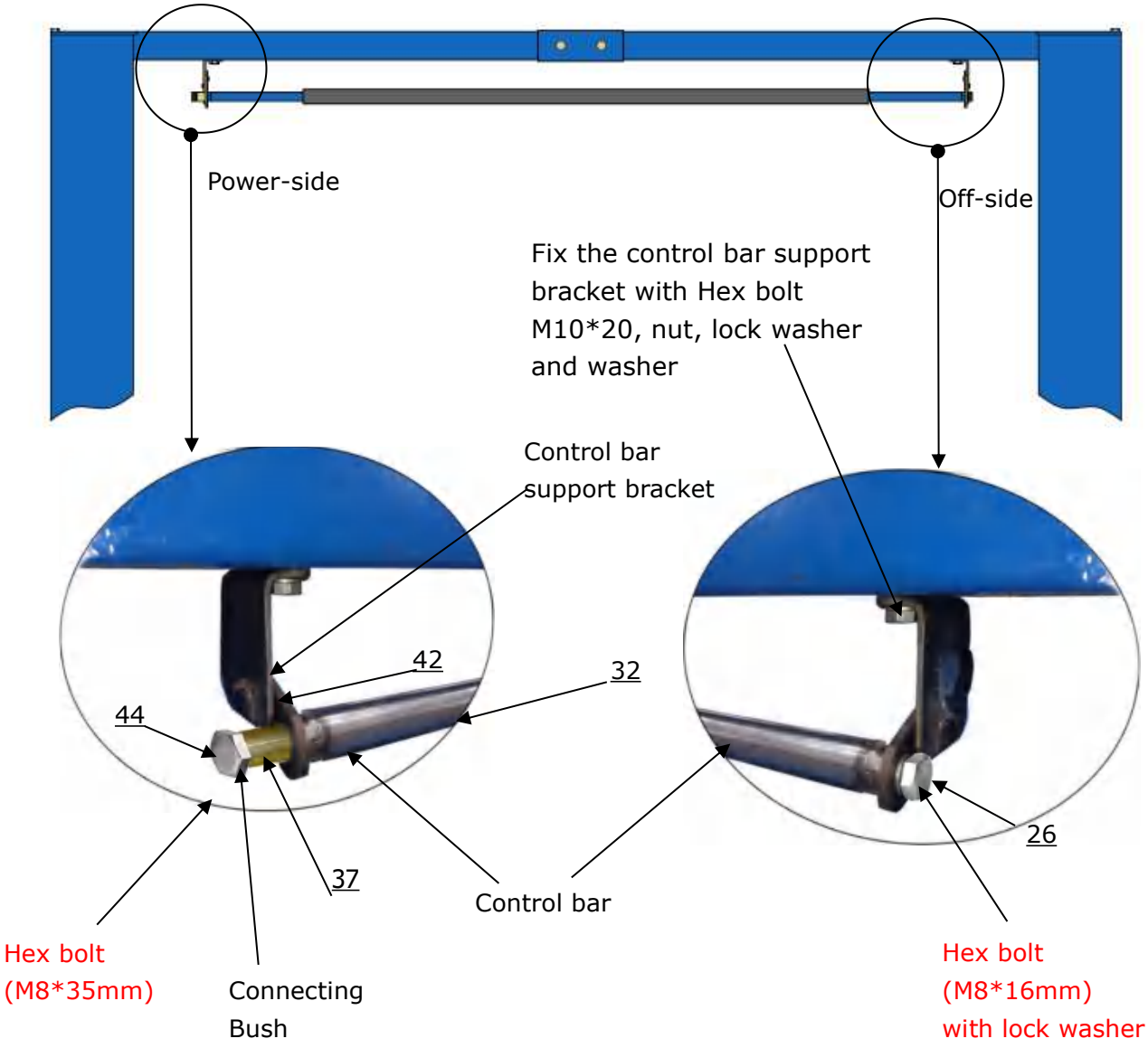


Fig. 25

2. Install control bar and limit switch. Fix the limit switch on control bar support bracket of the power-side as the photo. The wire pass through the top beam and connected to the electric control box.

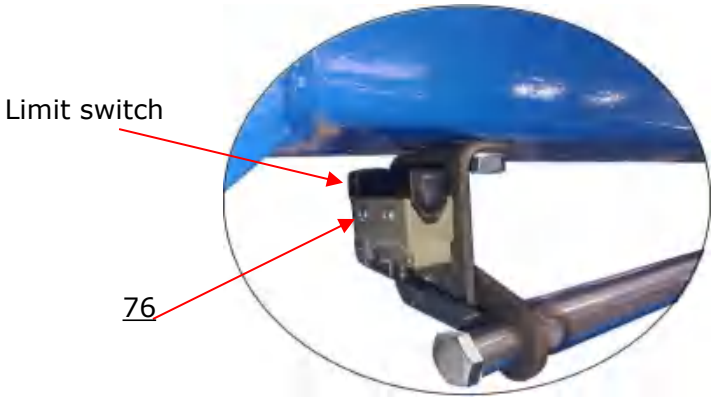


Fig.26

3. Install limited switch of oil cylinder.

Fixed limited switch on the plate of the column inside

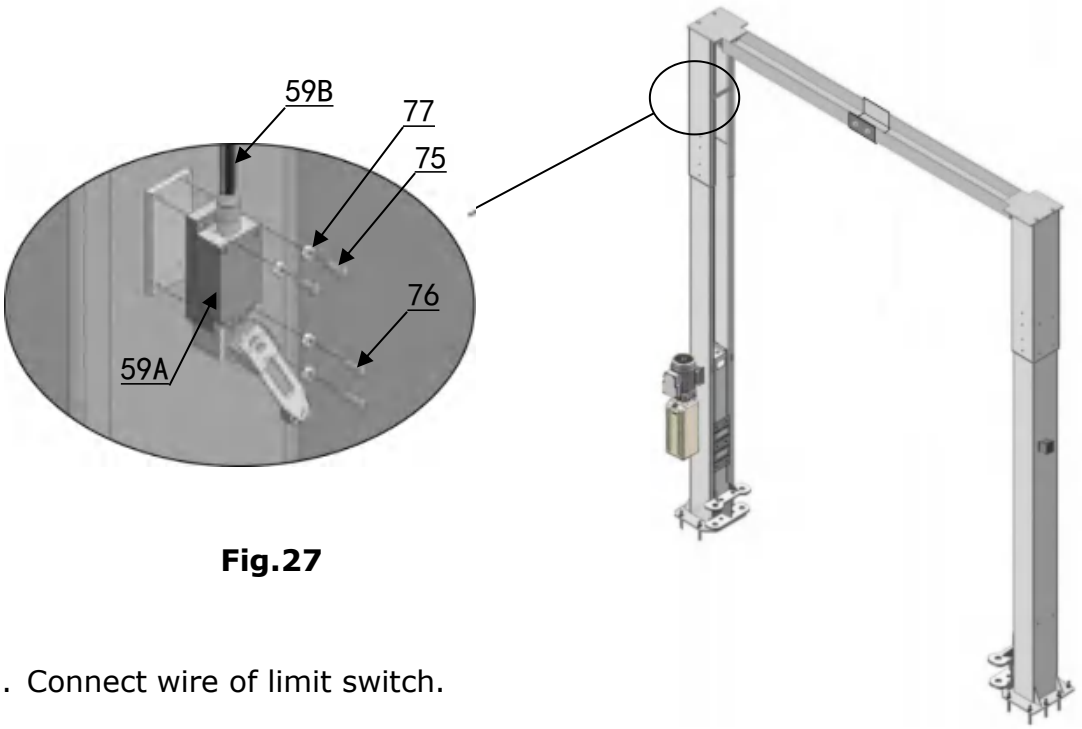
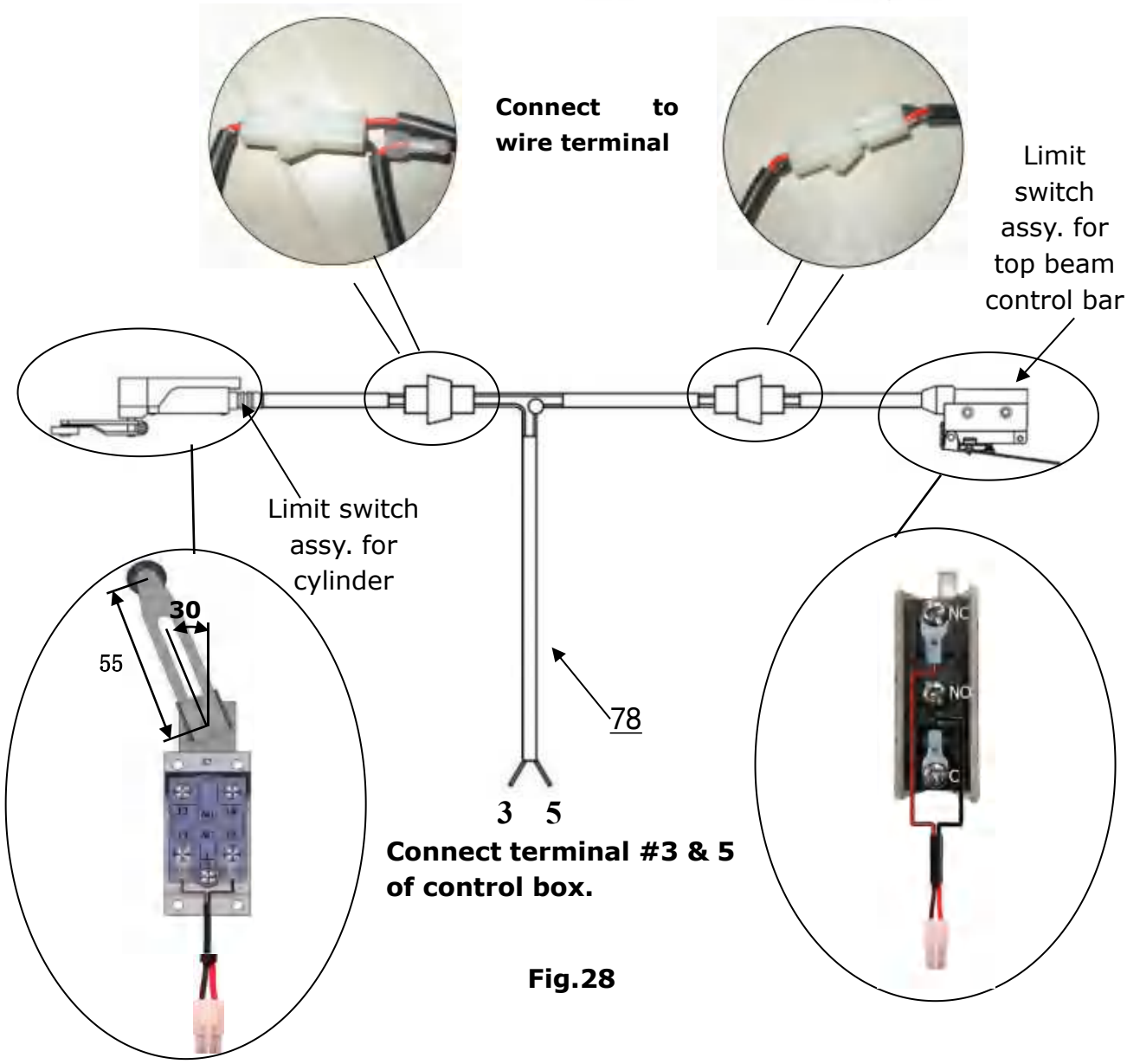


Fig.27

4. Connect wire of limit switch.



Connect terminal #3 & 5 of control box.

Fig.28

N, Install control box and support frame of stackable adapter. (See Fig.29)

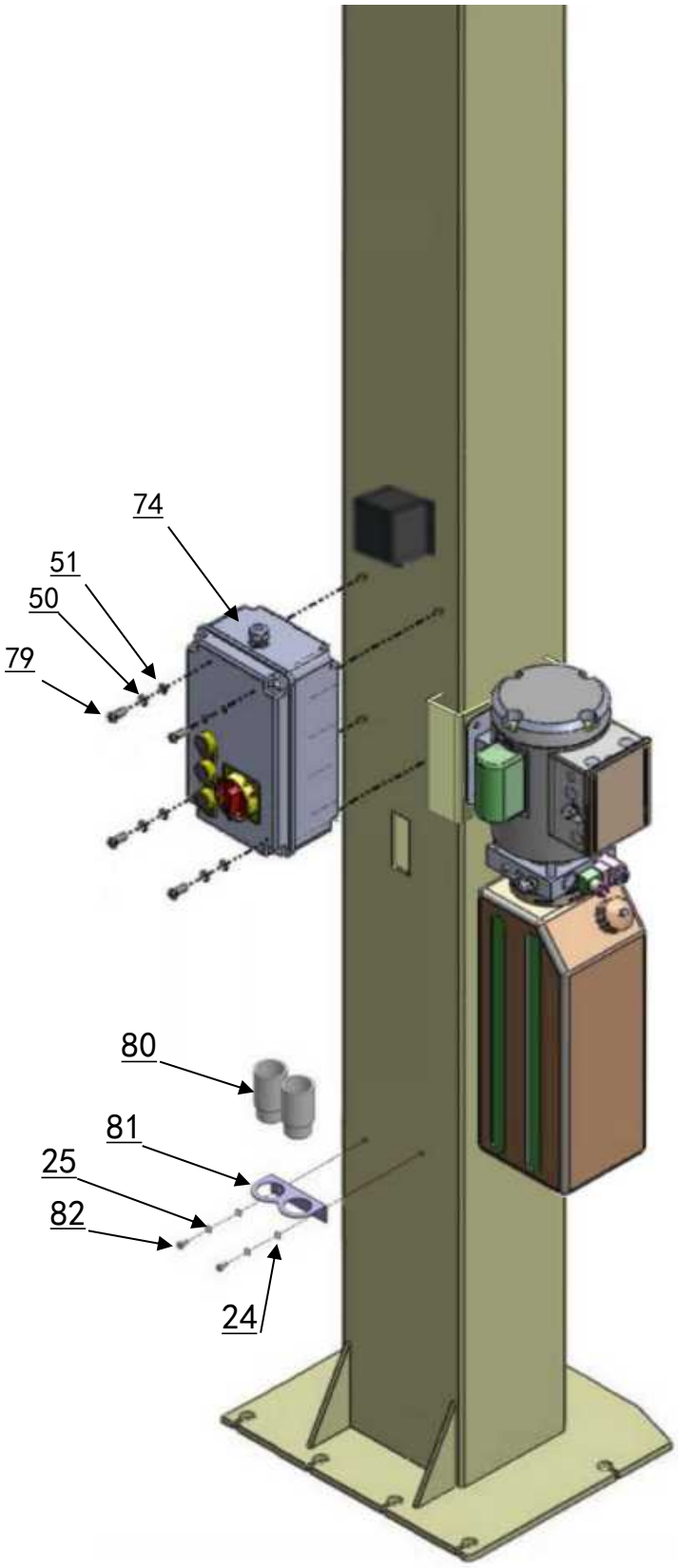


Fig.29

O. Install electrical system

1. Connecting wire with control box **(See Fig. 30)**.

Note: 1) Specification of wire of limit switch and hydraulic solenoid valve is $2*1^2$

Wire cable for power source and motor are $4*2.5^2$.

2) Using white bobbin to wind around wire.

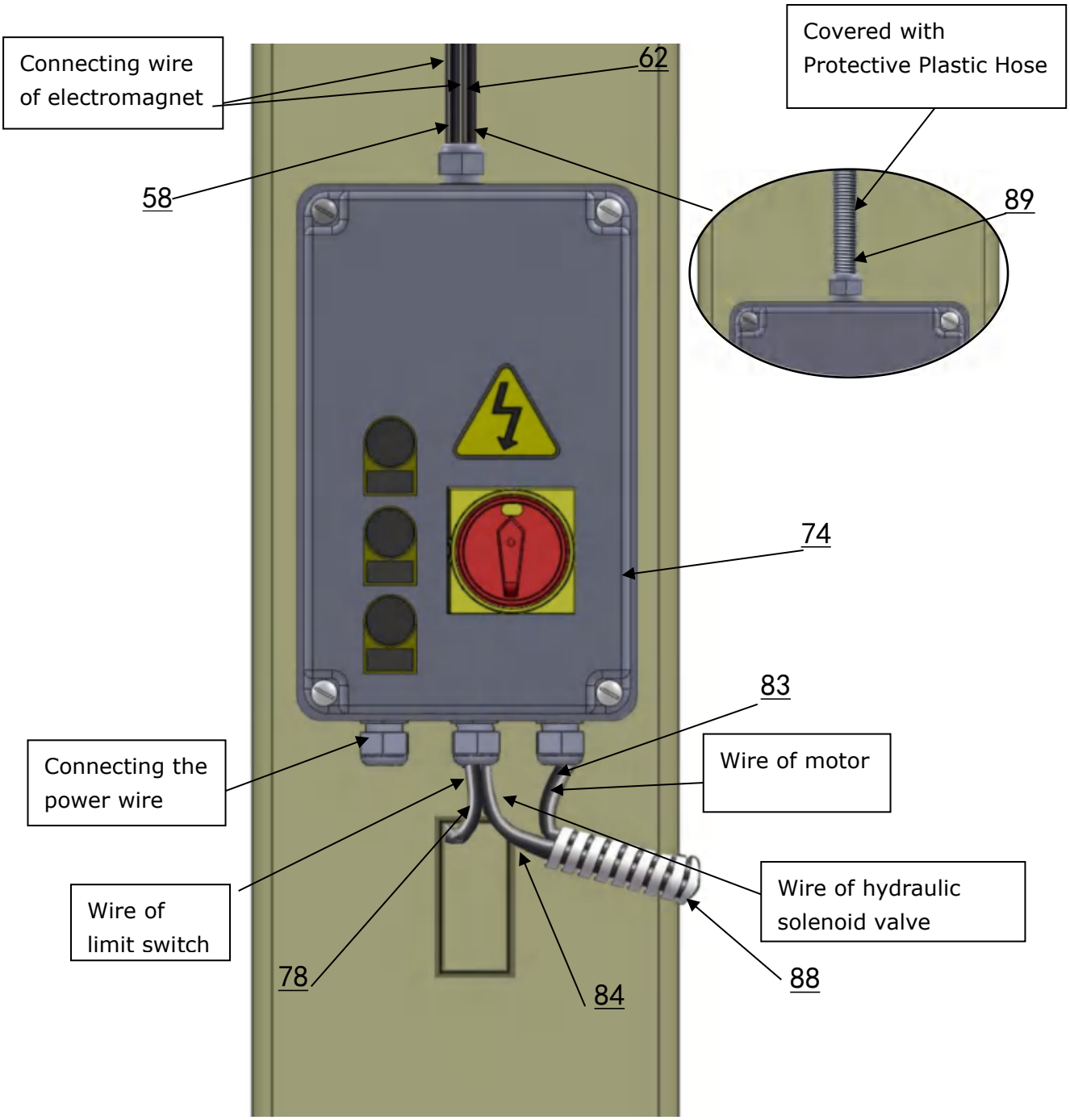


Fig.30

2. 380V Wire connection and circuit diagram

2.1 Wire connection diagram in the control box **(See Fig. 31)**

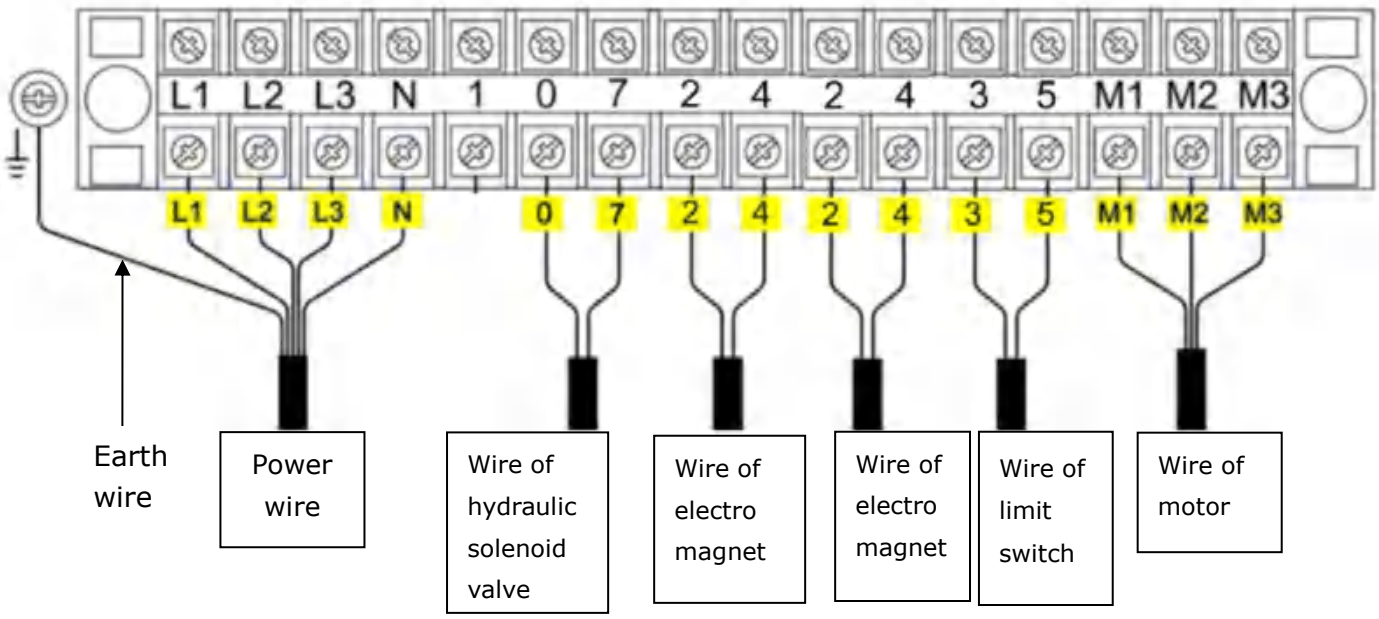


Fig. 31

2.2 380V Wire connection diagram of hydraulic motor **(See Fig. 32)**

Motor wires (M1,M2,M3) are connected to the three wires in the motor.

Turn on the power, push button **"UP"**, if motor run but lift is not worked, please exchange the wires M1, M2 connection.

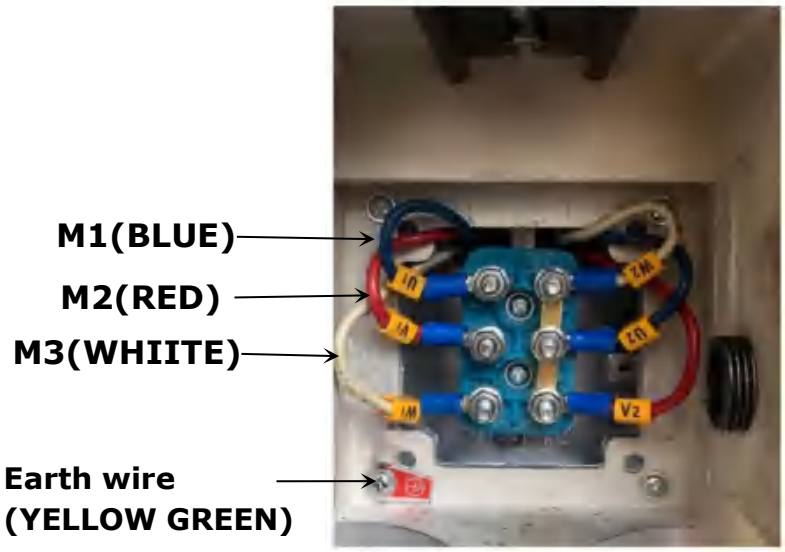


Fig. 32

2.3 380V Circuit diagram **(See Fig. 33)**

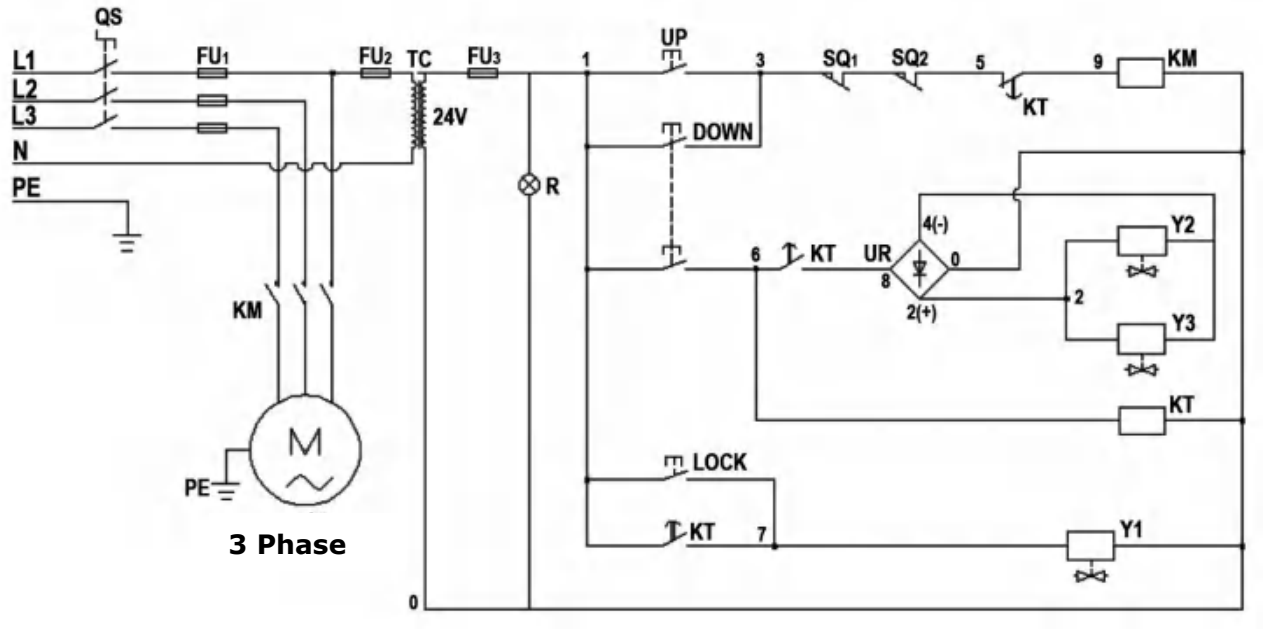


Fig.33

Circuit diagram component list for 380V Power

Item	Name	Code	Specification		Item	Name	Code	Specification
1	Power Switch	QS	25A		10	Electro magnet	Y_2 Y_3	24V DC
2	Breaker	FU_1	3P		11	Push Button	UP	Single
3	Breaker	FU_2	1P		12	Push Button	Down	Duplex
4	Breaker	FU_2	1P		13	Push Button	Lock	Single
5	AC Contactor	KM	24V AC		14	Transformer	TC	24V AC
6	Time Relay	KT	24V AC		15	Indicator	R	White(24V)
7	Cylinder Limit switch	SQ1	10A		16	Motor	M	Three phases
8	Control bar limit switch	SQ2	10A		17	Rectifier bridge	UR	KBPC10-10
9	Hydraulic Solenoid Valve	Y_1	24V AC					

3. 220V Wire connection and circuit diagram

3.1 Wire Connection diagram in the control box **(See Fig. 34)**

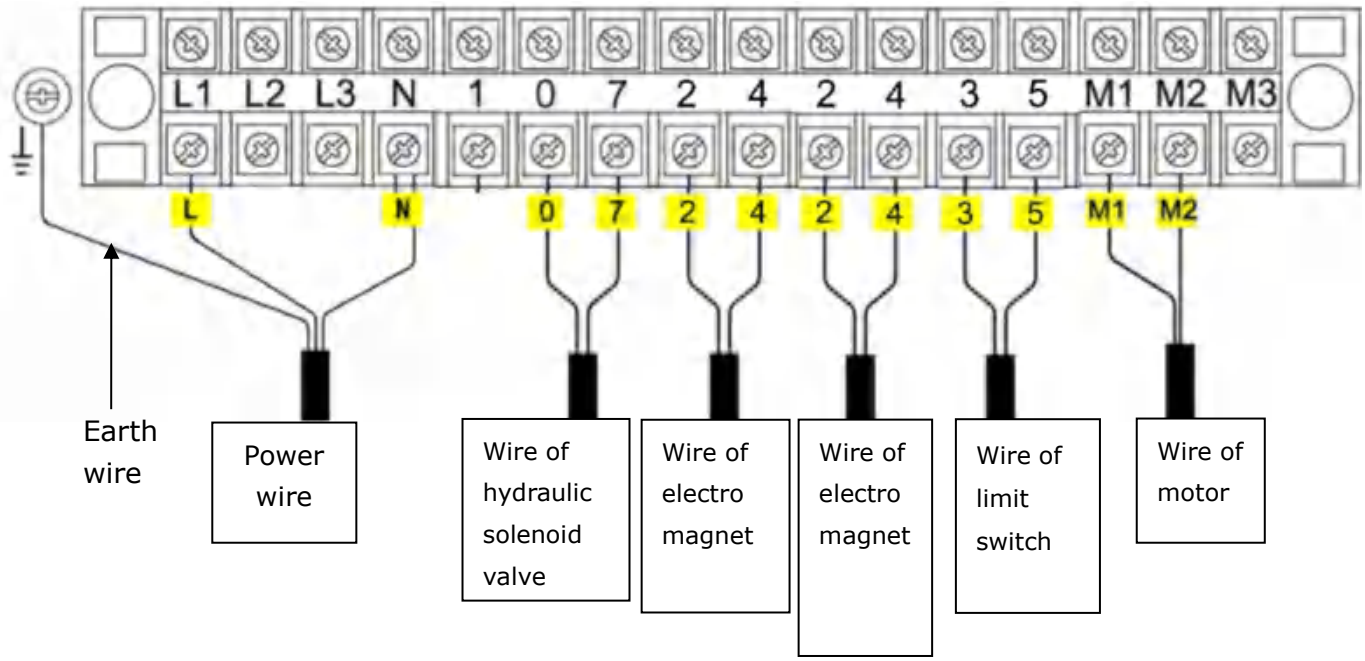


Fig. 34

3.2 220V Wire connection of hydraulic power unit **(See Fig. 35).**

Motor wires (M1、M2) are separately connected to two wires in the motor.

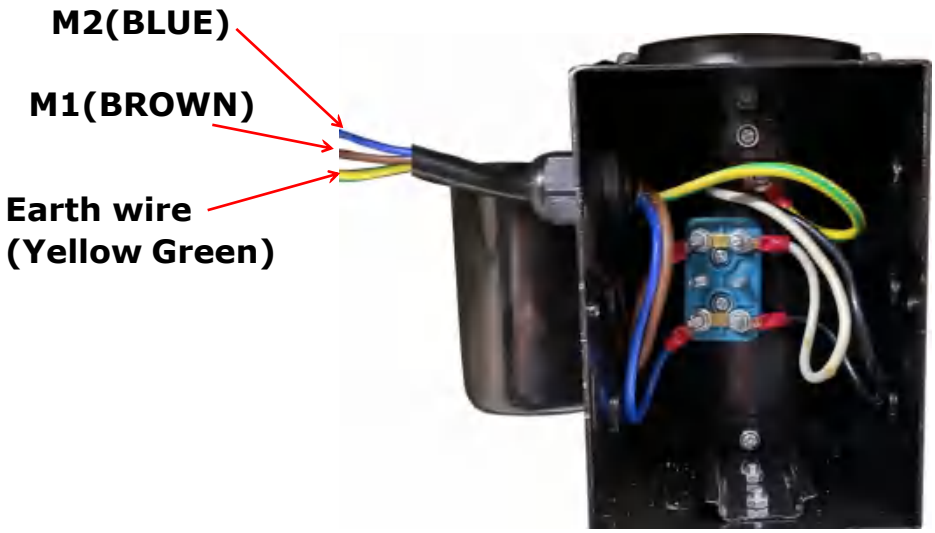


Fig. 35

3.3. 220V Circuit diagram **(See Fig. 36).**

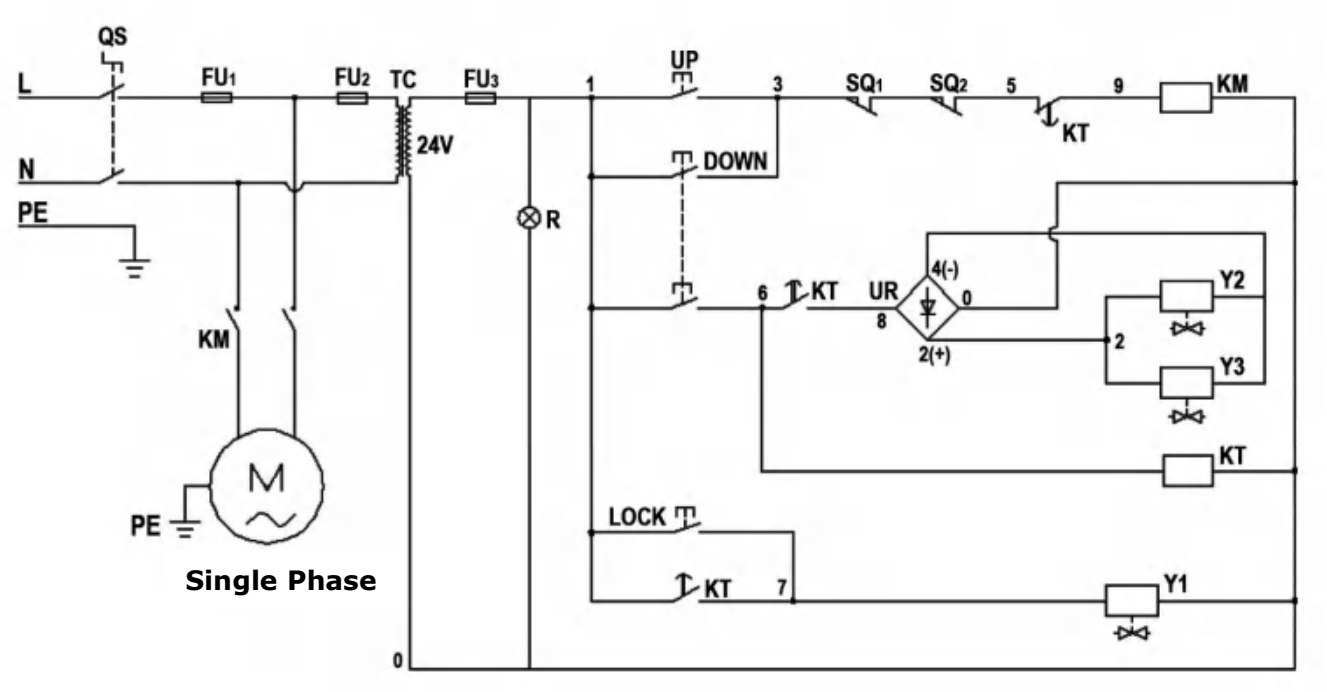


Fig. 36

Circuit diagram component list for 220V Power

Item	Name	Code	Specification		Item	Name	Code	Specification
1	Power Switch	QS	25A		10	Electromagnet	Y_2 Y_3	24V DC
2	Breaker	FU_1	3P		11	Push Button	UP	Single
3	Breaker	FU_2	1P		12	Push Button	Down	Duplex
4	Breaker	FU_3	1P		13	Push Button	Lock	Single
5	AC Contactor	KM	24V AC		14	Transformer	TC	24V AC
6	Time Relay	KT	24V AC		15	Motor	M	Single phases
7	Cylinder Limit switch	SQ1	10A		16	Indicator	R	White(24V)
8	Control bar limit switch	SQ2	10A		17	Rectifier bridge	UR	KBPC10-10
9	Hydraulic Solenoid Valve	Y_1	24V AC					

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

Note: In consideration of Hydraulic Power Unit's durability and keep the equipment running in the perfect condition, please use Hydraulic Oil 46#.

Q. Install lifting arms and adjust the arm locks.

1. Install the lifting arms **(See Fig. 37).**
2. Lowing the carriages down to the lowest position, then use the 8# socket head wrench to loosen the socket bolt **(See Fig. 38).**

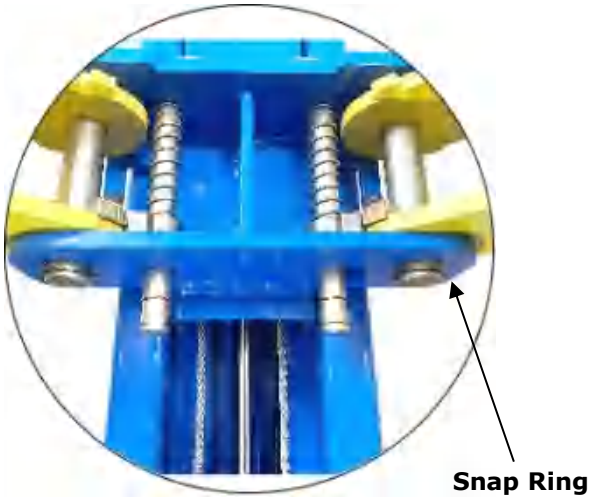


Fig. 37

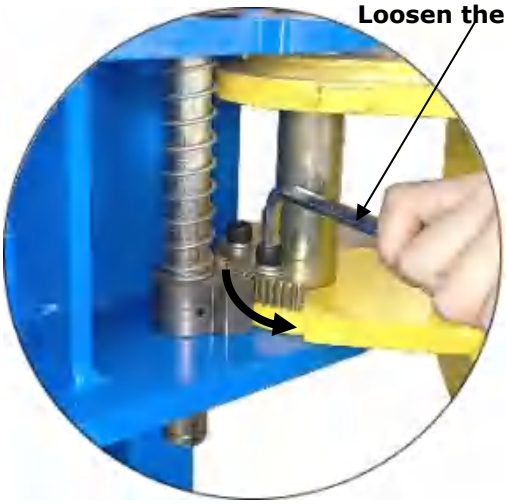


Fig. 38
Use the 8# Socket Head Wrench to loosen the Socket Bolt.

3. Adjust the arm lock as direction of arrow **(See Fig. 39)**
4. Adjust moon gear and arm lock to make it to be meshed, then tighten the socket bolts of arm lock **(See Fig.40).**

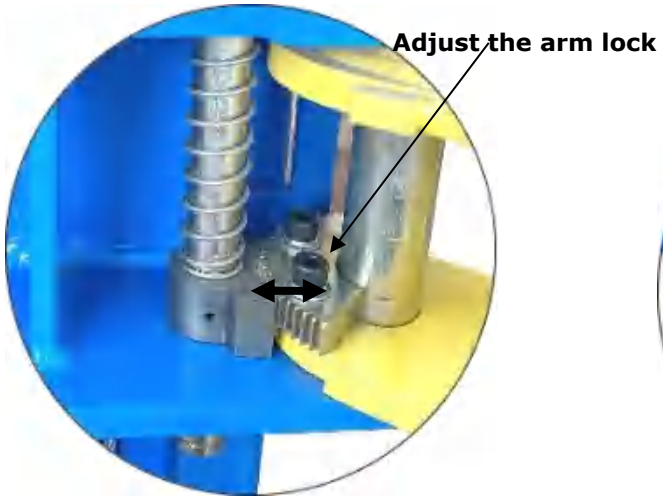


Fig. 39
Adjusting moon gear and arm lock to mesh.

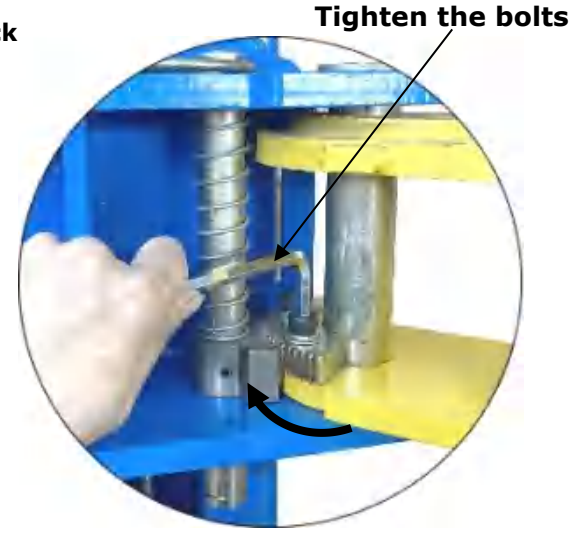


Fig. 40
Locking the bolts after the moon gear and arm lock engaged well.

IV. TEST RUN

1. Adjustment of synchronous cable (See Fig. 41)

Use wrench to hold the cable fitting, meanwhile using box spanner to tighten the cable nut until the two cables are in the same tension.

If the two vehicle carriages do not Synchronized when lifting and lowering, please screw and tighten the cable nut on the lower side carriage.

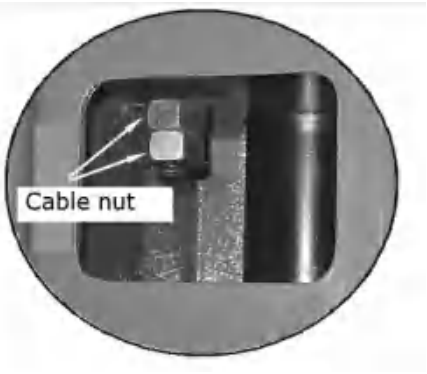


Fig. 41

2. Bleeding air from oil cylinder (See Fig. 42)

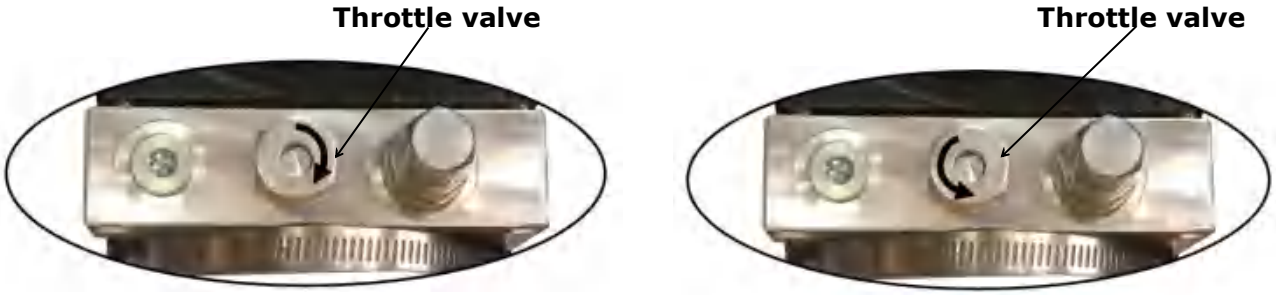
Rise the vehicle carriages and lock them at the same height, strain the safety cable and then release a little, and then tighten the safety cable nuts. Make sure the safety device can always lock the carriages properly.

At last, install the plastic cover of the safety device.

Fig. 42

3. Adjust the lowering speed

You can adjust the lowering speed of the lift if needing: screw the throttle valve clockwise to decrease the lowering speed, or counterclockwise to increase the lowering speed.



Adjust clockwise, decrease lowering speed

Counterclockwise, increase lowering speed

Fig. 43

4. 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, please lifting it with load for several times, the air would be bled and the vibration would be disappeared automatically.

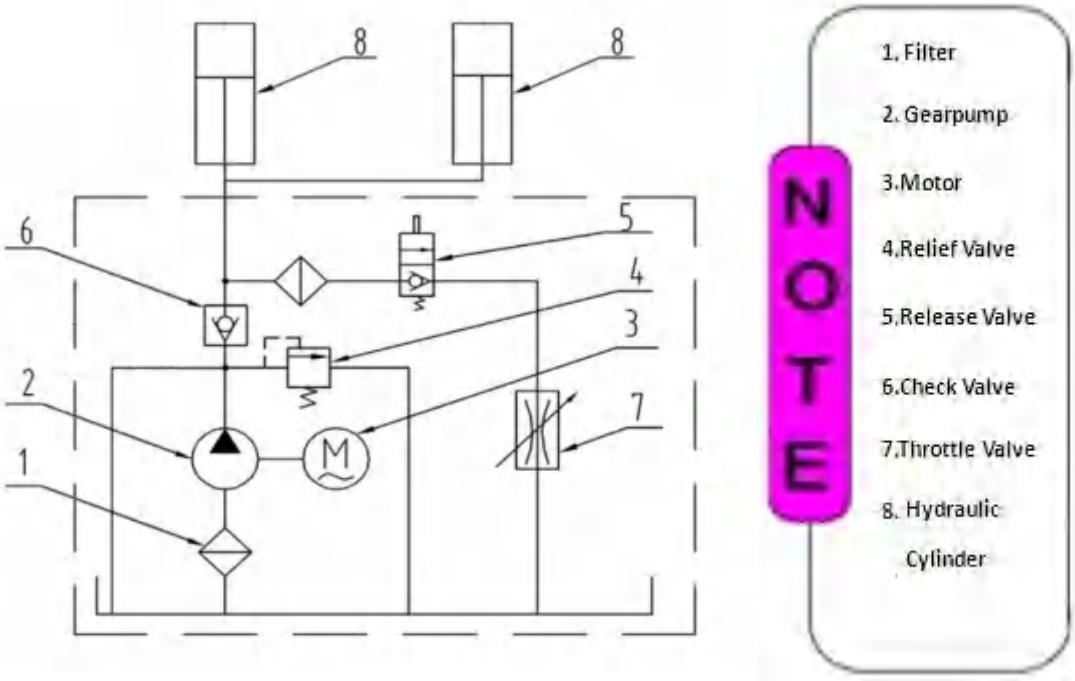


Fig. 44

V. OPERATION INSTRUCTIONS

Please read the safety tips carefully before operating the lift

To lift vehicle

1. Keep clean 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 contact the vehicle's lifting point where manufacturers recommended
7. Turn on the power switch QS1, push button "**UP"** until the lift pads contact lifting points of vehicle completely. 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 button "**LOCK"**, lower lift onto the locking position. Make sure the lift is locked before work.

To lower vehicle

1. Be sure to clear the obstacles around and under the lift, only leaving operator in lift area;
2. Push button "**DOWN**", the lift rise 3 seconds and safety lock release and low down the car.
3. Open the arms and position them to the shortest length;
4. Drive away the vehicle.
5. Turn off the power.

VI.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.

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.

VII.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	1. Replace start button 2. Repair all wiring connections 3. Repair or replace motor 4. Replace AC contactor
Motor runs but the lift is not raised	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	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 slowly	1. Oil line is jammed 2. Motor running on low voltage 3. Oil mixed with air 4. Gear Pump leaks 5. Overload lifting	1. Clean the oil line 2. Check electrical system 3. Fill tank 4. Repair or replace 5. Check load
Lift cannot lower	1. Safety device are in activated 2. Release valve in damage 3. Electromagnet in damage 4. Oil system is jammed 5. Hydraulic solenoid valve out of work	1. Release the safeties 2. Repair or replace 3. Replace 4. Clean the oil system 5. Repair or replace

VIII. EXPLODED VIEW

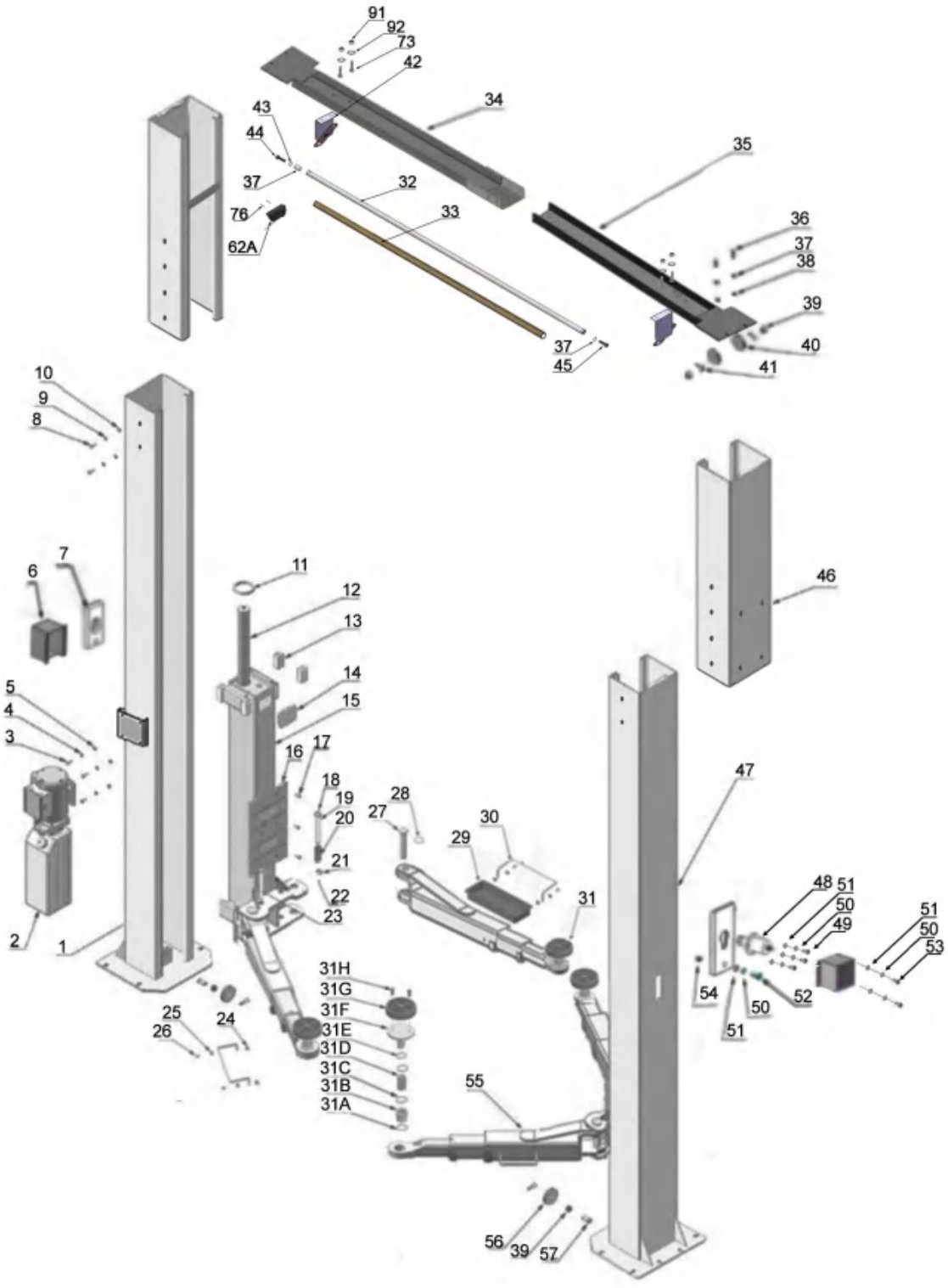


Fig.45

Parts List For Model E245CHX

Item	Part#	Description	Qty.
1	1102691001A	Power-side column	1
2	81523001	Electric Power unit 220V	1or1
	81523002	Electric Power unit 380V	
3	10209003	Hex bolt	4
4	10209004	Rubber ring	8
5	10209005	Self lock nut	4
6	11203292	Protective cover for electromagnet	2
7	11203286	Safety lock	2
8	10206024	Hex bolt	20
9	10206006	Washer	46
10	10420026	Lock Washer	26
11	10209111	Cylinder protective ring	2
12	1002576001	Cylinder	2
13	10209015	Slider	16
14	10209016	Carriage cover	2
15	11209208	Carriage	2
16	10209018	Protective Rubber	2
17	10209019	Cup Head Bolt	12
18	10209153	Arm lock handle ring	4
19	11217046A	Arm lock handle(left)	2
20	10217045	Compression spring	4
21	10217044-01	Arm lock	4
22	10206032	Snap ring	4
22A	10206036	Hair pin	4
23	11217046	Arm lock handle(right)	2
24	10209033	Washer	12
25	10209034	Lock Washer	13
26	10201002	Hex Bolt M8*16	9
27	11217168	Lifting arm pin	4
28	10520023	Snap ring	4
29	10206190	Tool tray(Short)	2
30	11206191	Short guardrail	4
31	10203054	Rubber pad assy.	4
31A	11203024	Adjustment Adapter	4
31B	10203042	Snap ring	8
31C	11203025	Adjustment Screw	4
31D	10203041	Snap ring	4
31E	11203026	Rubber Pad Frame	4
31F	10203043	Rubber pad	4
31G	10420043	Socket bolt	8
32	1102072001-01	Control Bar assembly φ22*2400	1
33	10206025A	Foam Cushion	1
34	1102682001A	Power side Top beam	1
35	1102692002A	Off side Top beam	1
36	10209046	Hex bolt	4
37	10209039	Lock washer	8

Item	Part#	Description	Qty.
38	10209021	Hex Nut	8
39	1002011001	Stell Bush φ22*φ19*14	6
40	1102011001	Pulley Φ80	4
41	10209012	Elastic latch φ3.2	6
42	1103072003A-01	Control Bar Fixing Bracket	2
43	110207007	Connecting bush φ14*20	1
44	10201122	Hex Bolt M8*35	1
45	10206023A	Hex nut M12	28
46	1102681002A	Outer Column	2
47	1102691001B	Off -side column	1
48	1002695013	Electromagnet	2
49	10207021	Socket bolt	8
50	10209149	Lock Washer	14
51	10420045	Washer	6
52	85090127	Hex bolt	2
53	10209009	Cup Head Bolt	8
54	10420018	Self locking nut	2
55	10203156	Lifting arm assy	4
56	11209045	Pulley	2
57	11209044	Pulley pin	2
58	1002695016	Wire (With adapter and contacting terminal)	1
59		Limit switch assy. for cylinder (With wire and adapter)	1
59A	10206013A	Limit switch	1
59B	10209164	Wire Cable	2
60		Limit switch assy. for top beam control bar (With wire and adapter)	1
60A	1002022001	Limit switch CZ-7120 10A	1
61	10217069	Hex bolt M12*30	6
62	1002695017	Wire assy. 2*1²*8990(With adapter)	1
63	1002695009	Cable assy. Φ9.52×10473mm(High setting)	2
64	1002695005	Cable assy. Φ9.52×9915mm(Low setting)	2
65	10209066	Hex Nut M16	4
66	1002695004-01	Oil hose assy. 1/4*45598mm	2
67	1002695003-01	Oil hose assy. 1/4*4548mm	1
68	10211016	T Fitting	1
69	1002571009-01	Oil hose assy.1/4*550mm	1
70	10620079	Straight fitting 1/4JIC(M)*1/4JIC(M)	1
71	10211017	Extended 90^0 fitting for cylinder	2
72	10209060	90°fitting for power unit	1
73	10206017	Hex Nut M10*20	4
74	1002695007	Electric control box (3 Phase)	1/1
74	1002695008	Electric control box (Single Phase)	
75	10620109	Cup head bolt M4*18	2
76	10420164	Cup head bolt M4*30	4
77	10620095	Hex nut M4	6
78		Wire (With adapter and connecting terminal)	1
79	10209145	Cup head bolt M6*12	4

Item	Part#	Description	Qty.
80	1102504002	Stackable Adapter 3”	4
81	11203035	Adapter seat	2
82	10680003	Hex bolt M8*12	4
83	10420016A	Wire	1
84	1002695018	Wire	1
85	10201090	Shim (1mm)	10
86		Parts Box	1
87	10201131	Anchor Bolt M18*140	12
88	10420168	White wrapping pipe φ10*2000mm	1
89	1002695019	Bellow Pipe φ20*1*300	1
90	10620059	Protective Coil φ12	2
91	10209056	Self-lock nut M10	2
92	10209022	Wash φ10	4

8.1 Lifting arm Assy. (10203156) exploded view：

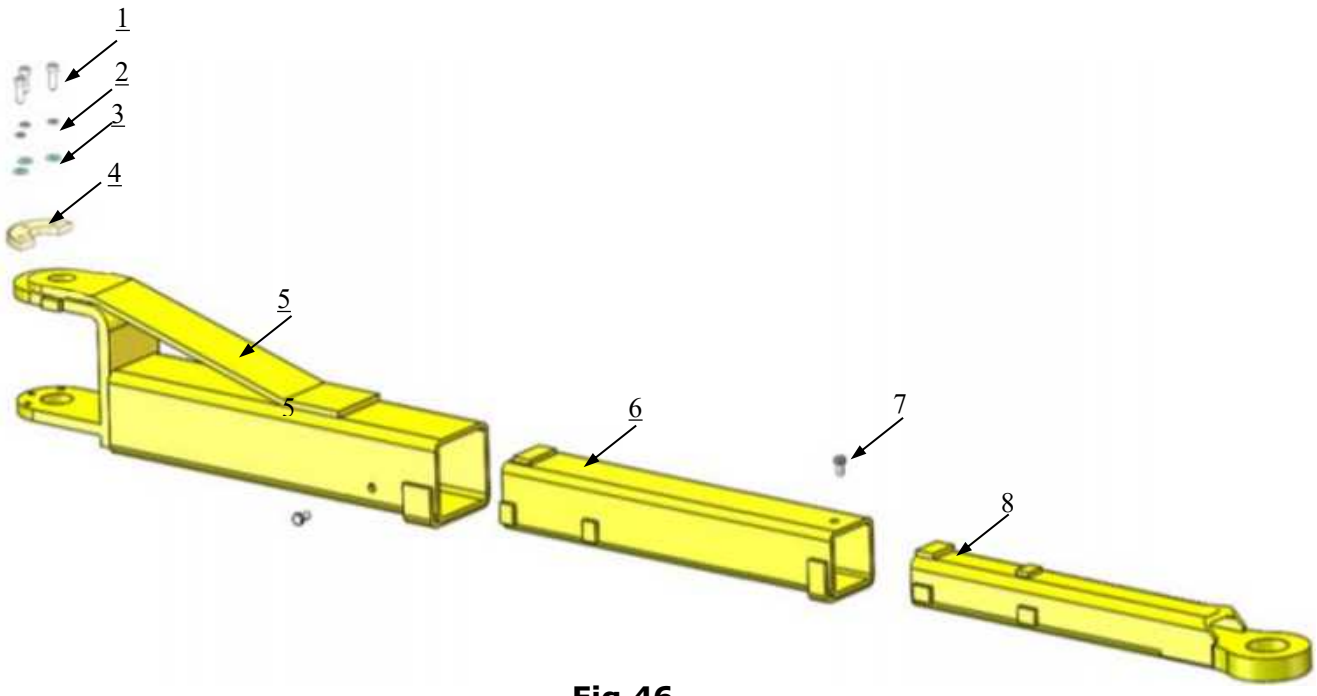


Fig.46

No	Part no	Name	Qty
1	10206048	Socket Bolt M10*30	12
2	10209039	Lock washer φ10	12
3	10209022	Washer φ10	12
4	11206049	Moon Gear	4
5	11203146	Outer arm	4
6	11203147	Middle arm	4
7	10201149	Cut Head Bolt M8*12	8
8	11201049A	Inner arm	4

8.2 Cylinders (1002576001）exploded view：

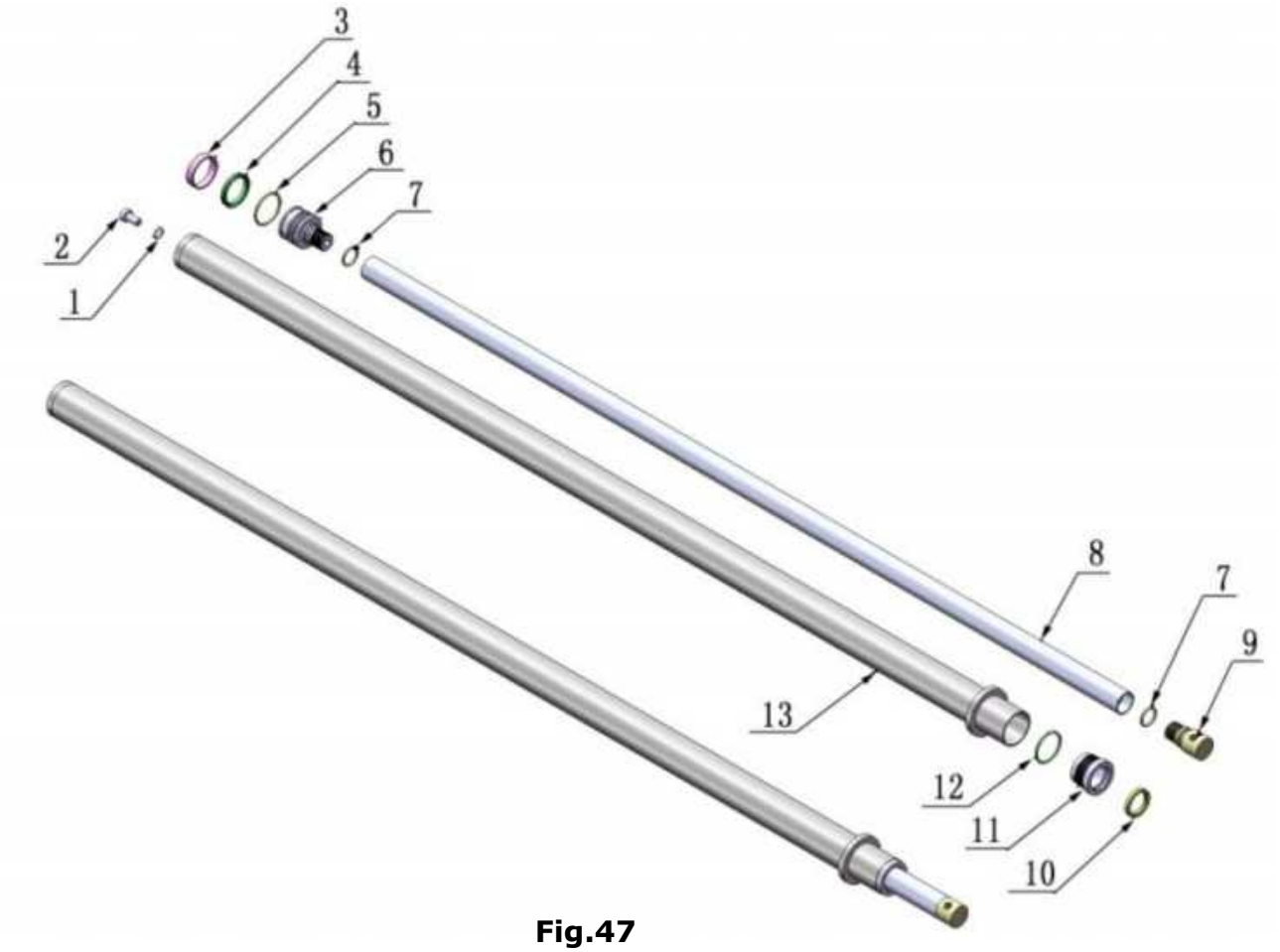


Fig.47

Item NO.	Parts No.	Description	Qty
1	10209069	O-Ring	2
2	10209070	Bleeding Plug	2
3	10209071	Support Ring	2
4	10209072	Y-Ring	2
5	10209073	O-Ring	2
6	11209074	Piston	2
7	10209075	O-Ring	4
8	1102576002	Piston Rod	2
9	11209077	Piston Rod Fitting	2
10	10209078	Dust Ring	2
11	11209079	Head Cap	2
12	10209080	O-Ring	2
13	1102576003	Cylinder tube	2

8.3 Electric control box explosion view

1002695007 Single phase

1002695008 Three phase

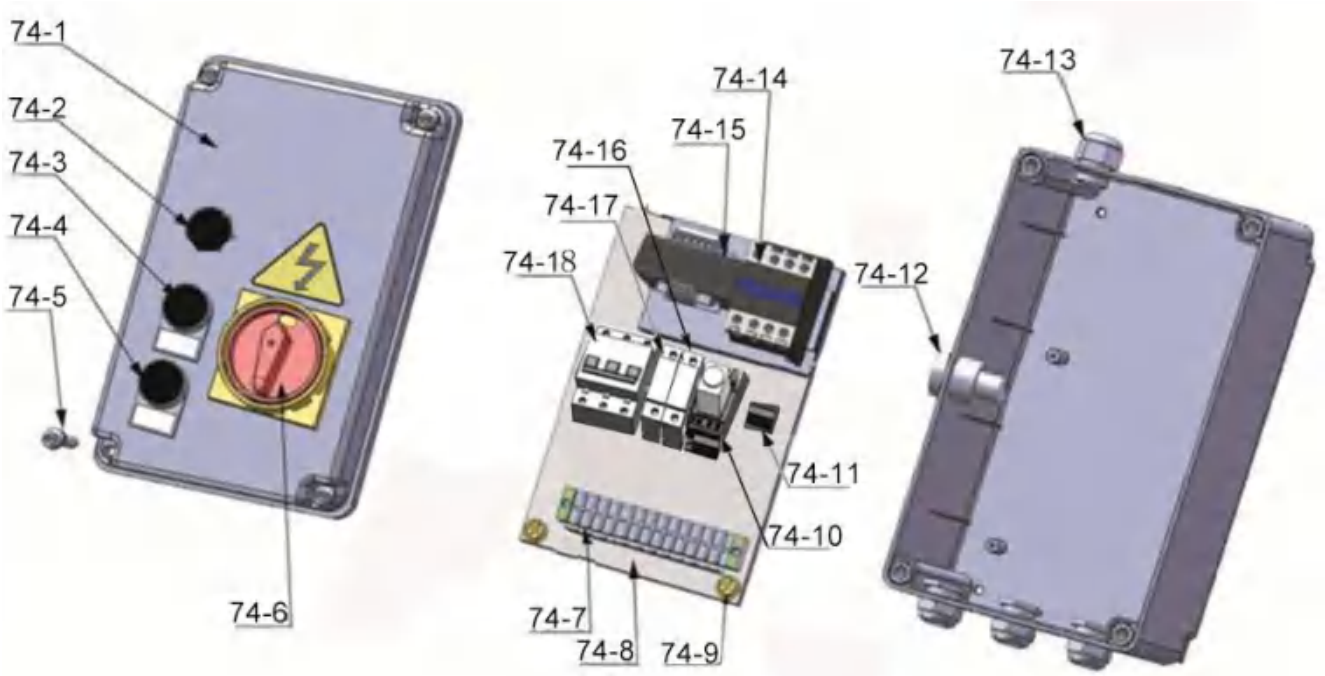


Fig.48

Control box part list

No	Part no	Name	Qty
74-1	10420069A	Control panel	1
74-2	10420071	UP button	1
74-3	10209099A	LOCK button	1
74-4	10420072	DOWN button	1
74-5	10420139	Screw for control box	4
74-6	41010217	Power switch(QS1)	1
74-7	1061K100	Wire connecting switch	1
74-8	10420133A	Component mounting plate	1
74-9	10420073	Cup head bolt	4
74-10	10420083	Time relay(KT)	1
74-11	10580101	Rectifier bridge	1
74-12	10201094	Indicate light	1
74-13	10420088	White cable wire fitting	4
74-14	10420084A	24V AC contractor(KM)	1
74-15	10203297	Transformer(TC)	1
74-16	10202048	Circuit breaker 1P	1
74-17	10202049	Circuit breaker 1P	1
74-18	10202047	Circuit breaker 3P for 3 phase	1
	10202046	Circuit Breaker 2P for single phase	1

8.4 EXPLODED VIEW OF POWER UNIT (81523001/81523002)

220V/50HZ/single Phase **380V/50HZ/3 Phases**

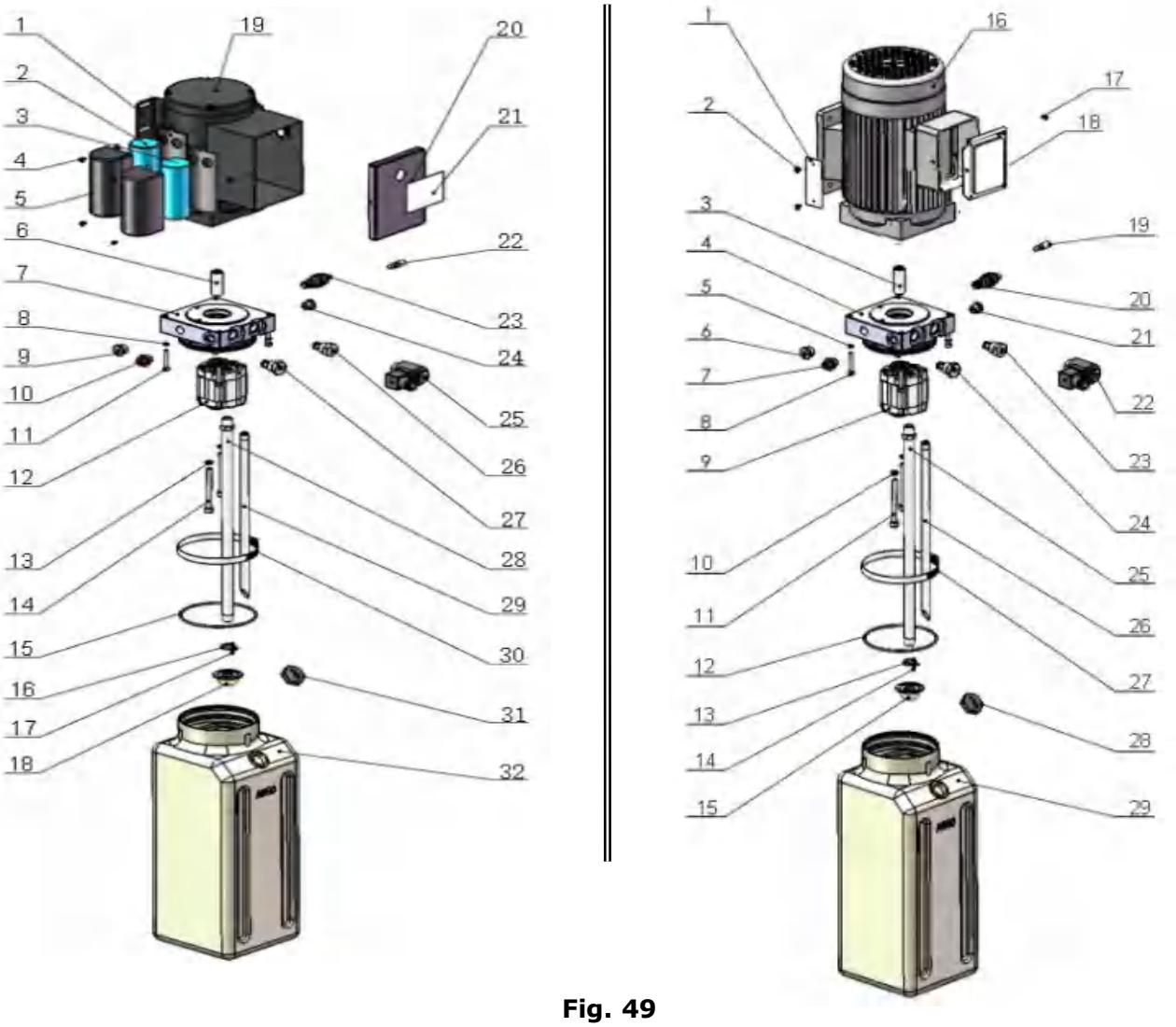


Fig. 49

81523001 Power unit part list (220V/50HZ/1 phase)

No	Part no	Name	Qty
1	81400180	Rubber pad	2
2	81400250	Start Capacitor	1
3	81400200	Run Capacitor	1
4	10420148	Cup Head Bolt with Washer	4
5	81400066	Capacitor cover	2
6	81400363	Motor connecting shaft	1
7	81400362	Manifold block	1
8	10209149	Lock Washer	4
9	81400276	Hex iron plug	1
10	81400259	Red plastic plug	1
11	85090142	Hex nut	4
12	81400292	Gear pump	1
13	10209034	Lock 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	81400590	Motor	1
20	81400208	Motor connecting cover	1
21	71111190	Label	1
22	81400560	Throttle Valve	1
23	81400266	Relief valve	1
24	81400284	Inner Hex Iron Plug	1
25	81400420	Hydraulic Solenoid Valve Coil	1
26	81400423	Release Valve	1
27	81400566	Check Valve	1
28	81400288	Oil Inlet Pipe	1
29	81400289	Oil Return Pipe	1
30	81400364	Clamp	1
31	81400263	Filler Cap	1
32	81400275	Oil tank	1

81523002 Power unit part list (380V/50Hz/3 phase)

No	Part no	Name	Qty
1	71111191	Name plate	1
2	81400300	Cross head screw	2
3	81400363	Motor connecting shaft	1
4	81400362	Manifold block	1
5	10209149	washer	4
6	81400276	Hex iron plug	1
7	81400259	Red plastic plug	1
8	85090142	Socket Bolt	4
9	81400292	Gear pump	1
10	10209034	Spring washer	2
11	81400295	Socket Bolt	2
12	81400365	O ring	1
13	10209152	Ties	1
14	85090167	Magnet	1
15	81400290	Filter	1
16	81400286	Motor	1
17	10420148	Cup Head Bolt with Washer	2
18	81400208	Motor connecting cover	1
19	81400560	Throttle Valve	1
20	81400266	Relief valve	1
21	81400284	Inner Hex Iron Plug	1
22	81400420	Hydraulic Solenoid Valve Coil	1
23	81400423	Release Valve	1
24	81400566	Check Valve	1
25	81400288	Oil Inlet Pipe	1
26	81400289	Oil Return Pipe	1
27	81400364	Clamp	1
28	81400263	Filler Cap	1
29	81400275	Oil tank	1

Illustration of hydraulic valve for hydraulic power unit

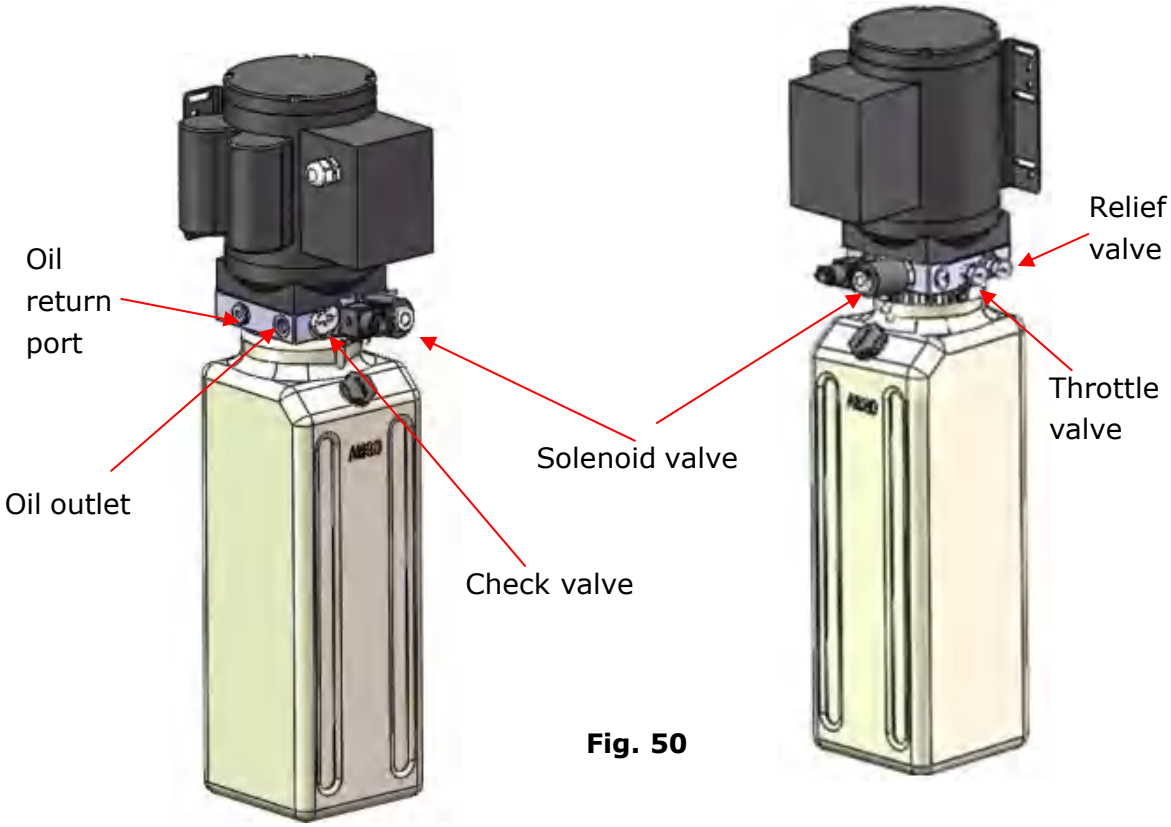


Fig. 50

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.

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