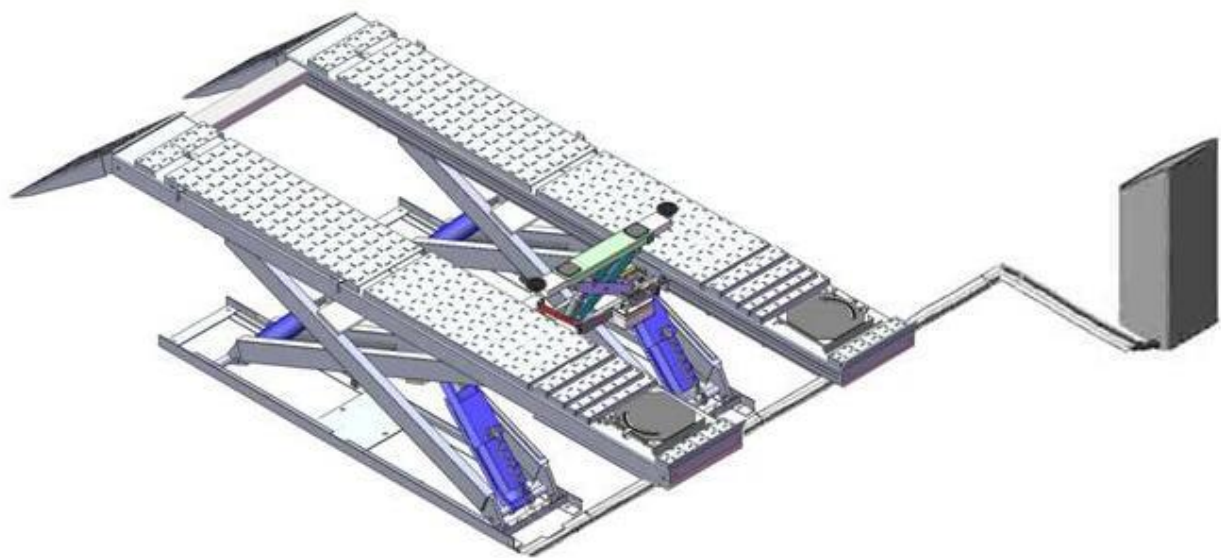




## Installation And Service Manual



**SCISSORS LIFT**  
**Model:AX-16A**

# CONTENTS

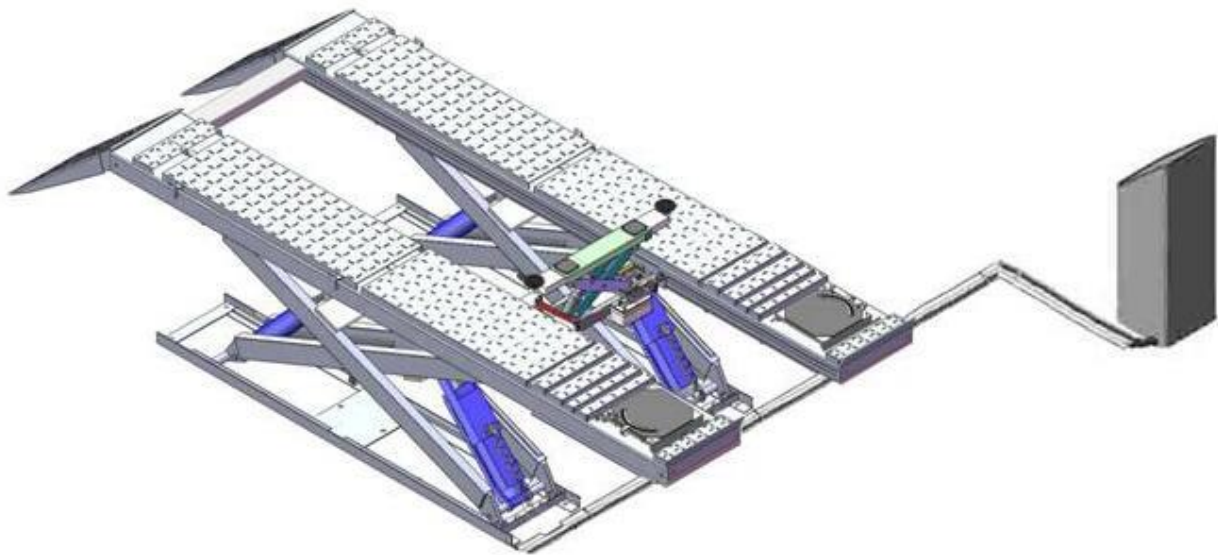
Product Features and Specifications .....	1
Installation Requirement .....	2
Steps of Installation .....	3
Exploded View .....	20
Test Run .....	24
Operation Instruction .....	25
Maintenance .....	26
Trouble Shooting .....	28
Parts List .....	29

## I. PRODUCT FEATRUES AND SPECIFICATIONS

### Professional Alignment Scissors Lift

#### Model AX-16A

- Electric- air control system, safety self-lock mechanism
- 2-Dual synchronous cylinders are applied to assure the lifting level on both platforms
- Non-skid diamond runway
- Integrated rear slip-plates
- Heavy duty design, fit for a wide range of vehicle car to van and light truck.
- Optional Jack (with hand pump/air-operated hydraulic pump)
- Optional Turnplate



**Fig. 1**

#### MODEL AX-16A SPECIFICATIONS

Model	Lifting Capacity	Lifting Height	Min. Height	Lifting Time	Overall Length (Inc.Ramps)	Overall Width	Runway Width	Distance Between Runway	Gross Weight	Motor
AX-16A	16000 lbs	73 5/8"	13"	82S	274 1/8"	94"	24 5/8"	41 1/2"	6138 lbs	2.0HP

## II. INSTALLATION REQUIREMENT

### A. TOOLS REQUIRED

- ✓ Rotary Hammer Drill ( $\Phi 19$ ,  $\Phi 10$ ,  $\Phi 4$ ,)



- ✓ Hammer



- ✓ Level Bar



- ✓ English Spanner (12")



- ✓ Ratchet Spanner With Socket (28#)



- ✓ Wrench Set (8#, 14#, 15#, 17#, 19#)



- ✓ Carpenter's Chalk



- ✓ Screw Sets



- ✓ Tape Measure (7.5m)



- ✓ Pliers



- ✓ Lock Wrench



- ✓ Grease gun



Fig. 2

## B. SPECIFICATIONS OF CONCRETE

**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/cm<sup>2</sup>) minimum.
3. Floors must be level and no cracks.

## C. POWER SUPPLY

The electrical source must be 3Kw minimum. The source cable size must be 2.5mm<sup>2</sup> and in good condition of contacting with floor.

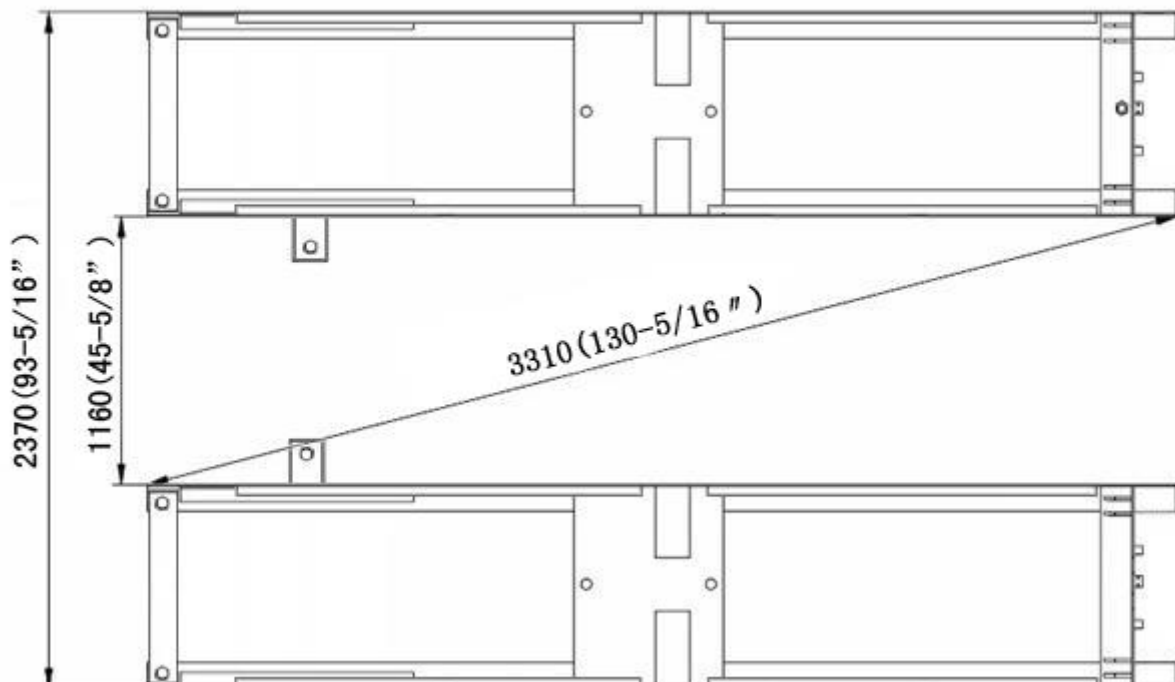
## III. STEPS OF INSTALLATION

### A. Location of Installation

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

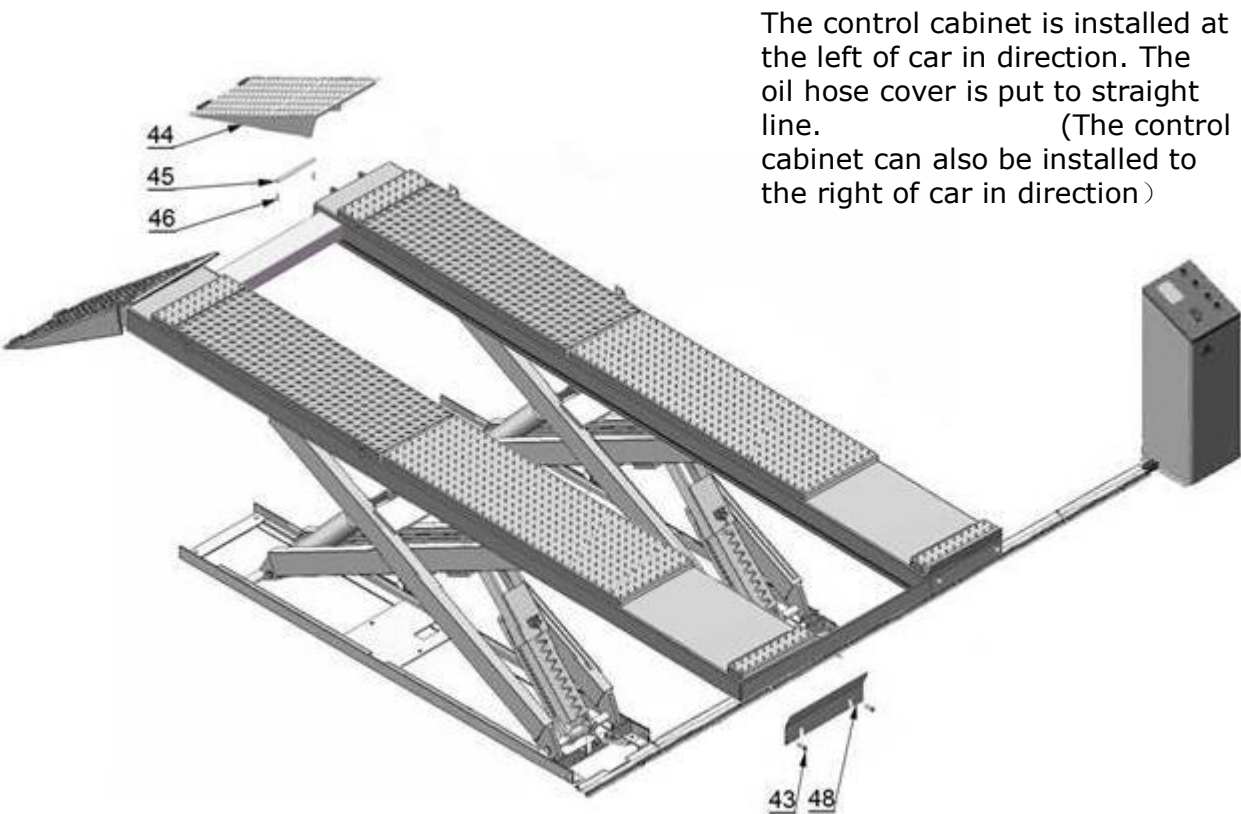
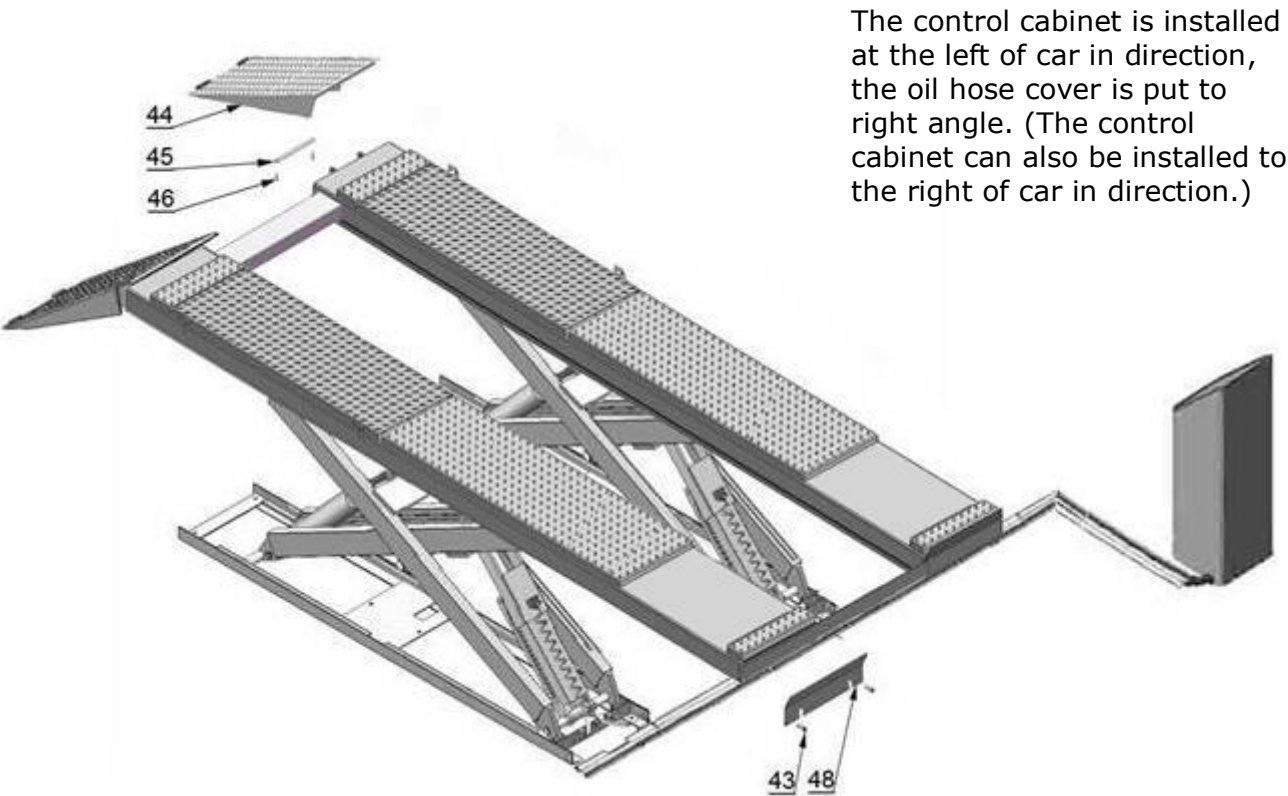
### 1. For Standard Installation: On surface installation

- 1.1 On surface installation foundation (**See Fig. 3**).



**Fig. 3**

1.2 Illustration for on surface installation (See Fig.4).

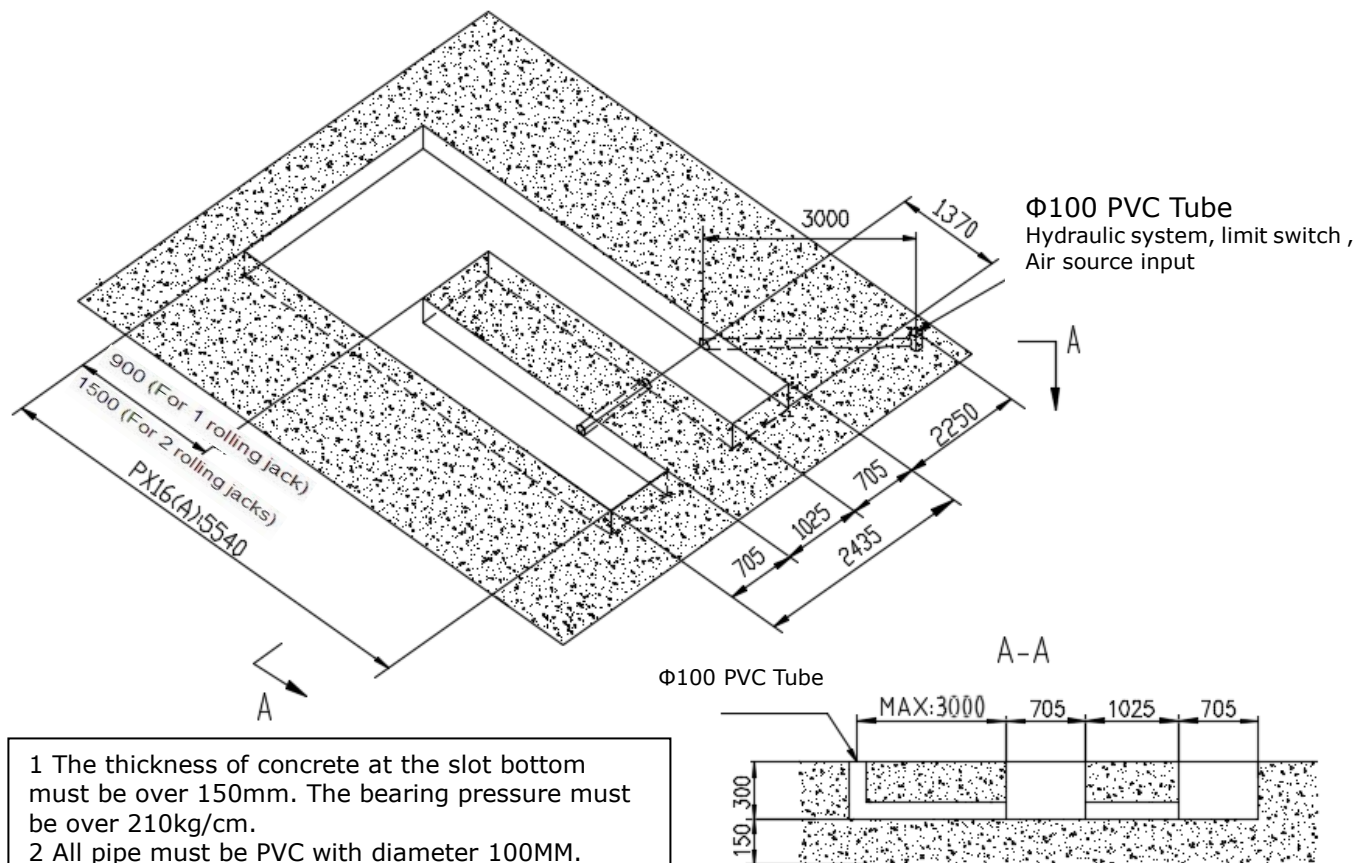


**Fig. 4**



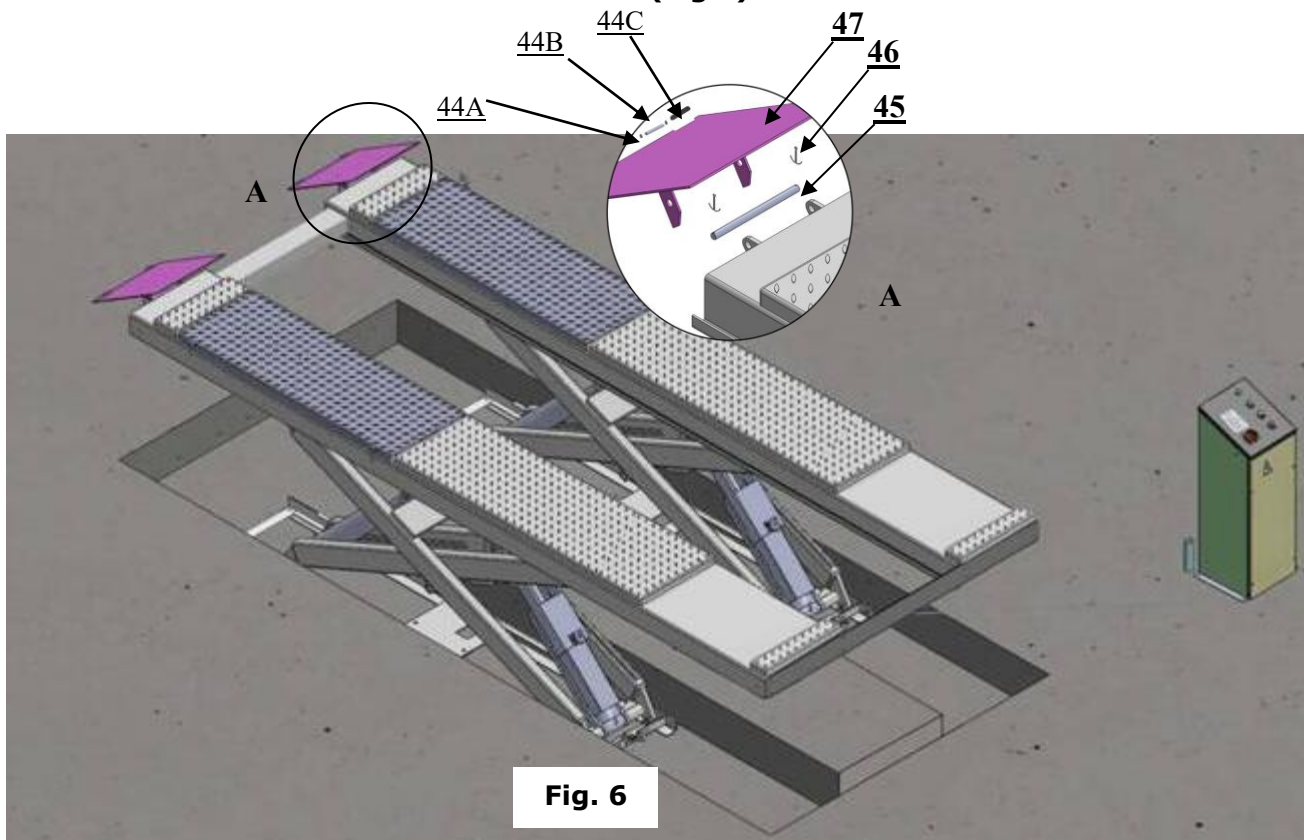
## 2. For Optional Installation: Flush mount installation

### 2.1 Flush mount installation foundation (Fig.5).



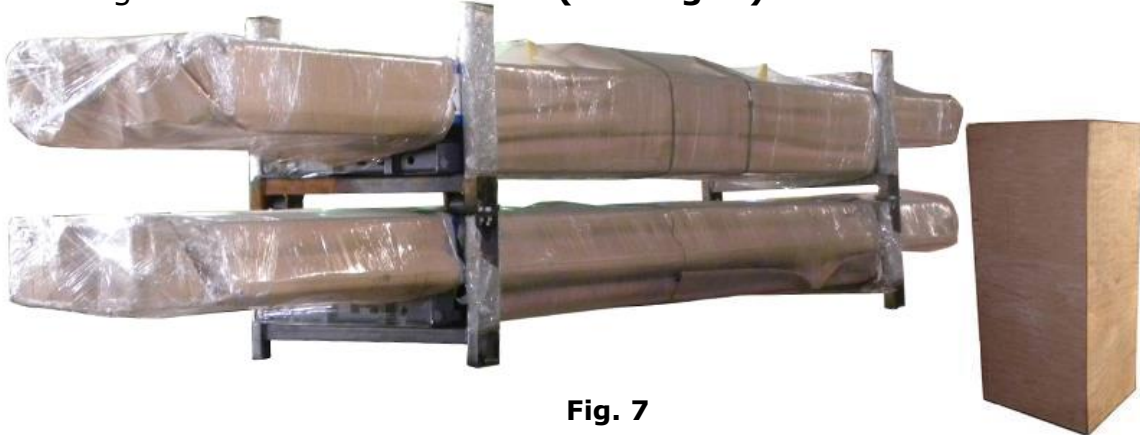
**Fig. 5**

### 2.3 Illustration for flush mount installation (Fig.6).



## B. Check the parts before assembly.

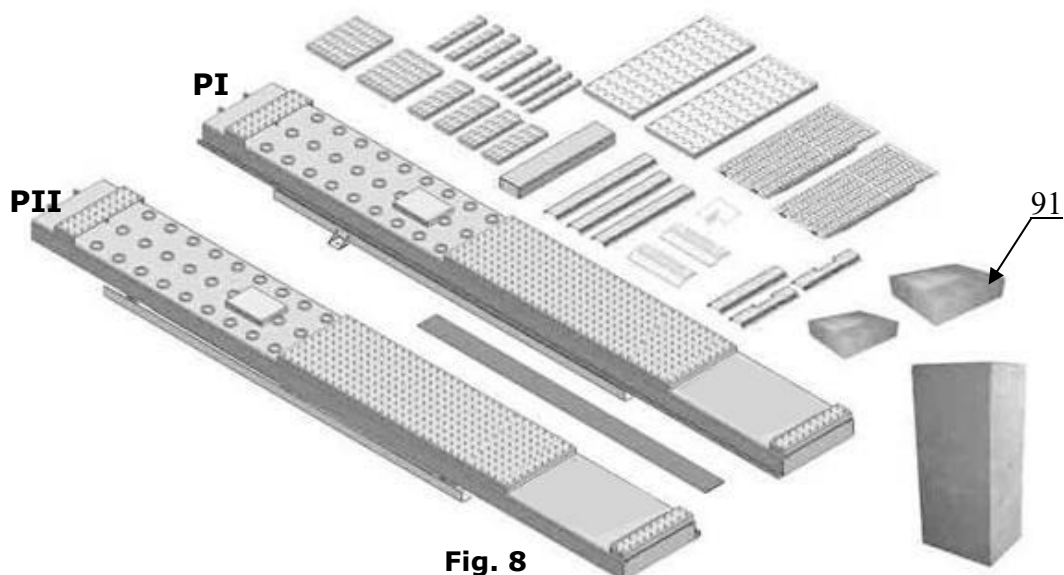
1. Packaged lift and control cabinet (See Fig. 7).



**Fig. 7**

2. Move aside the lift with fork lift or hoist, and open the outer packing carefully.

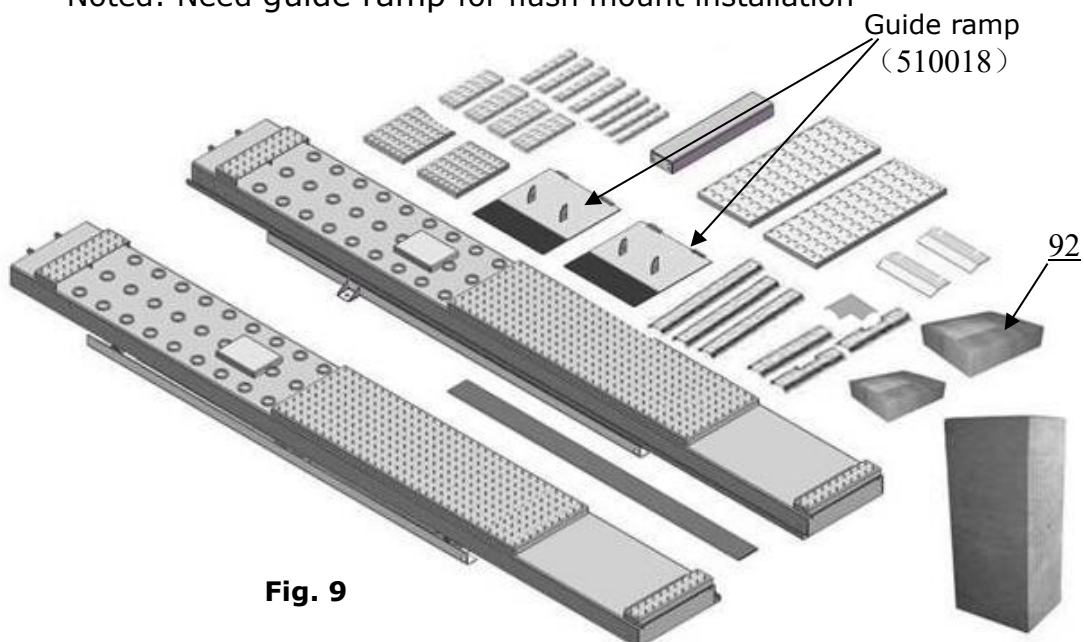
- 2.1 Parts for on surface installation (See Fig.8)



**Fig. 8**

- 2.2 Parts for flush mount installation (See Fig.9)

Noted: Need guide ramp for flush mount installation



**Fig. 9**



3. Open the parts box, check the parts according to the part list **(See Fig.10)**.



**Fig. 10**

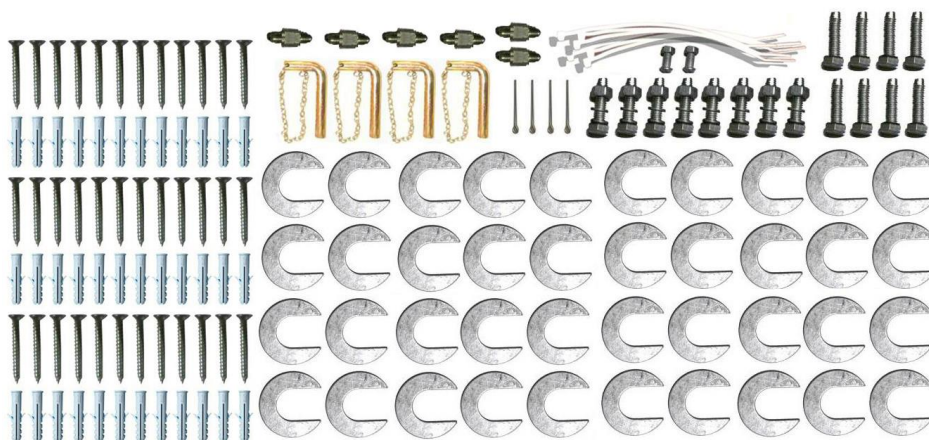
4. Check the parts of the parts bag according to the parts bag list.

4.1 Parts bag for on surface installation **(See Fig.11)**



**Fig. 11**

4.2 Parts bag for flush mount installation **(See Fig.12)**

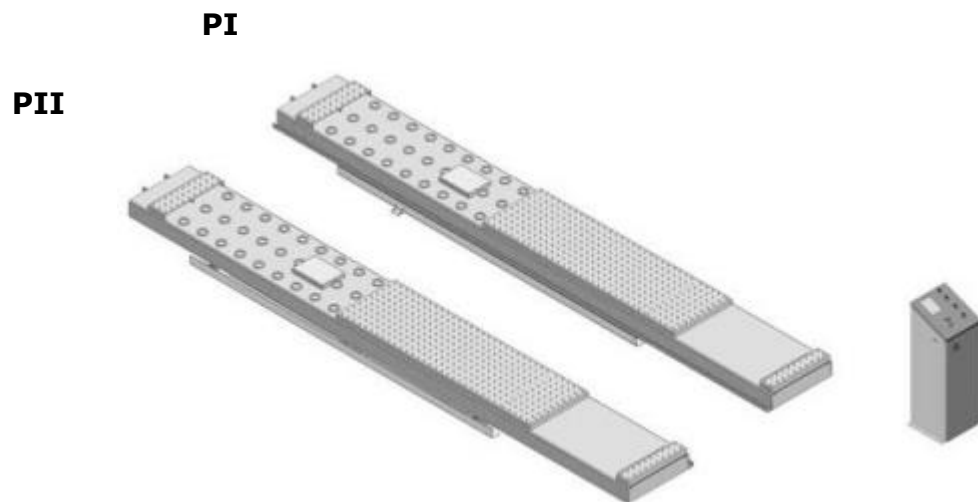


**Fig. 12**

### C. Layout the machine and install oil system and air line system.

1. Select a location and layout the equipment according to steps **A** (See Fig. 13).

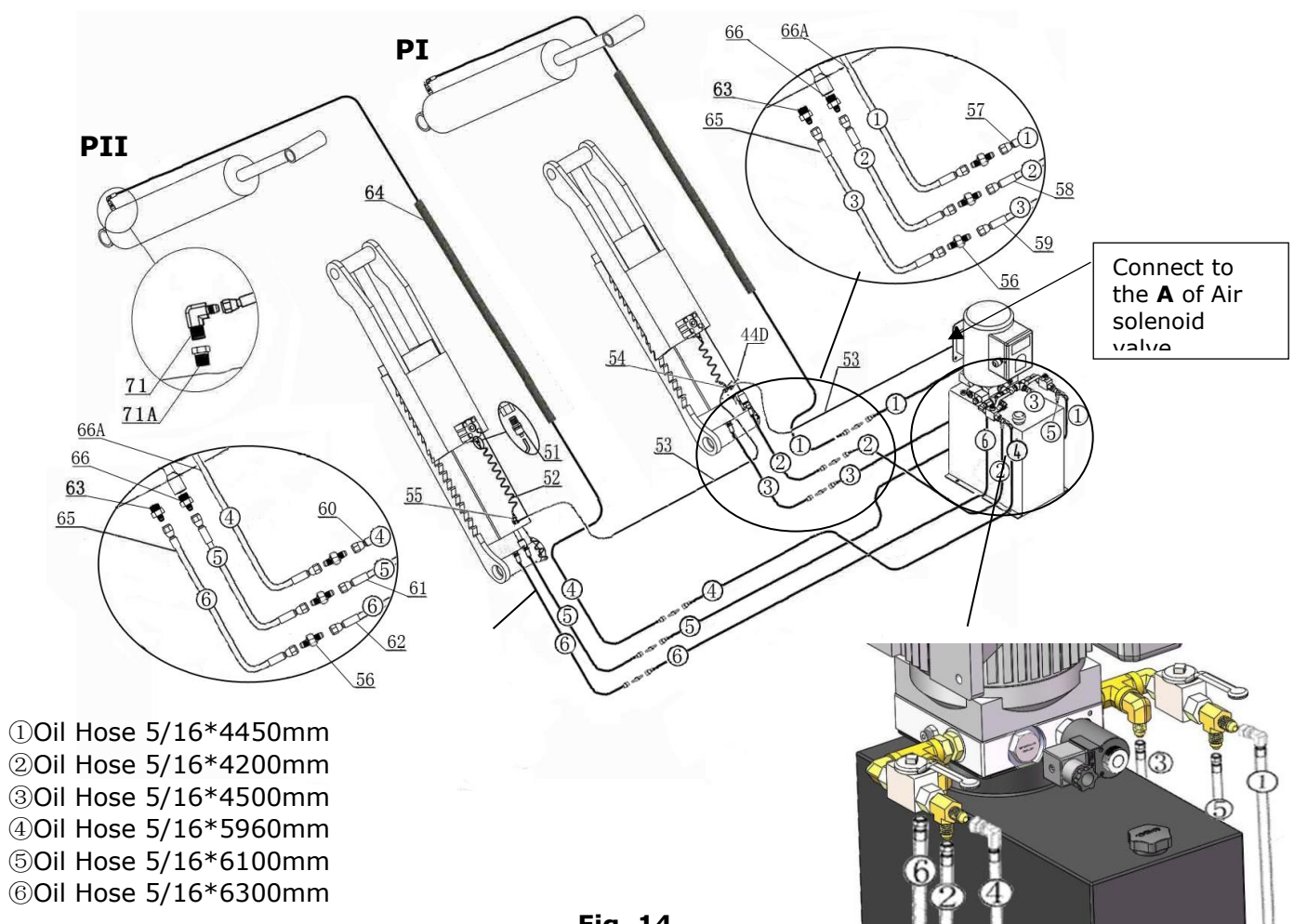
The control cabinet can be installed on the left or right according to the site.



**Fig. 13**

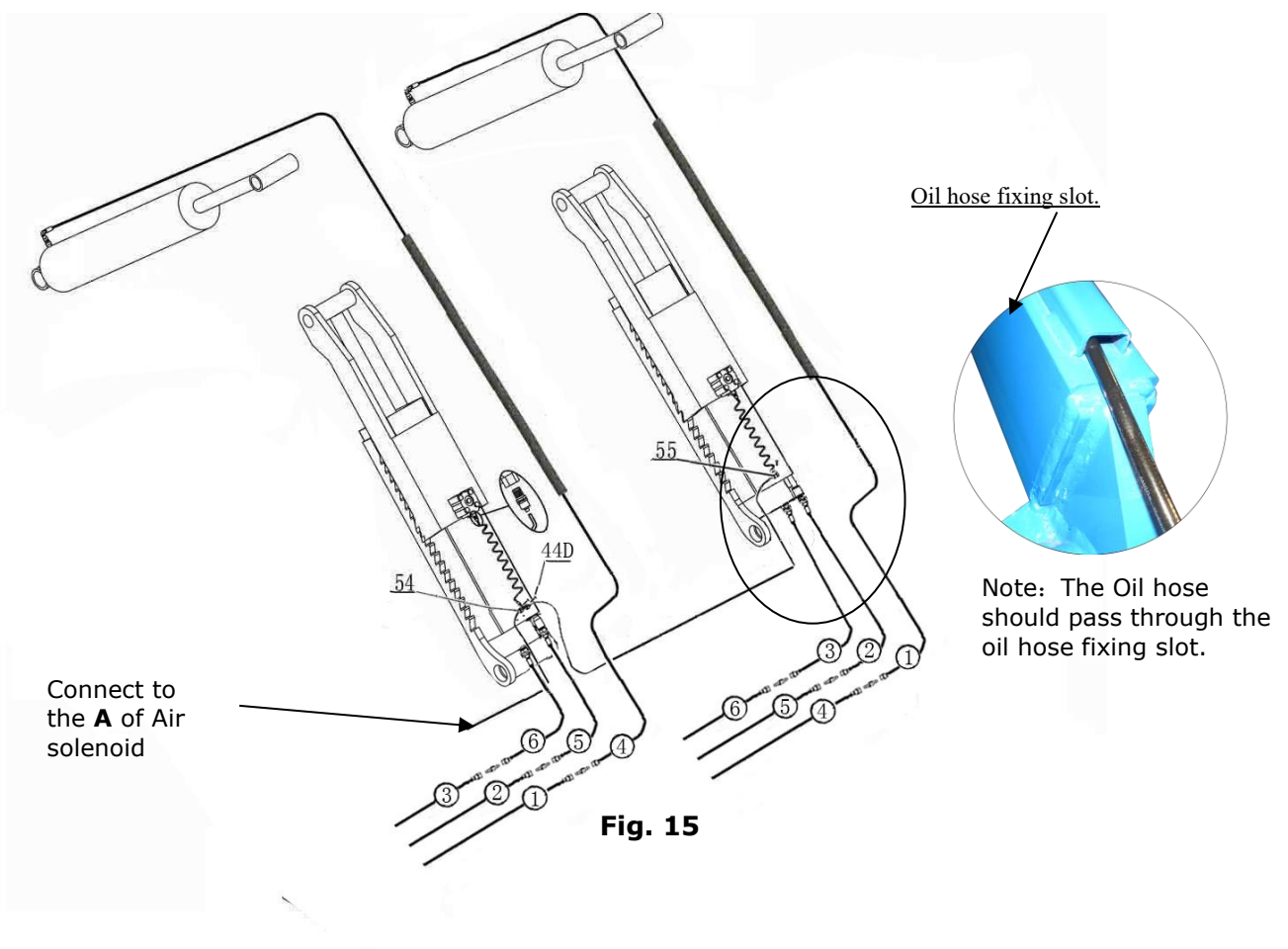
2. Connecting the oil hose and air line.

2.1 Control cabinet installed in the left of the car in direction (See Fig. 14)

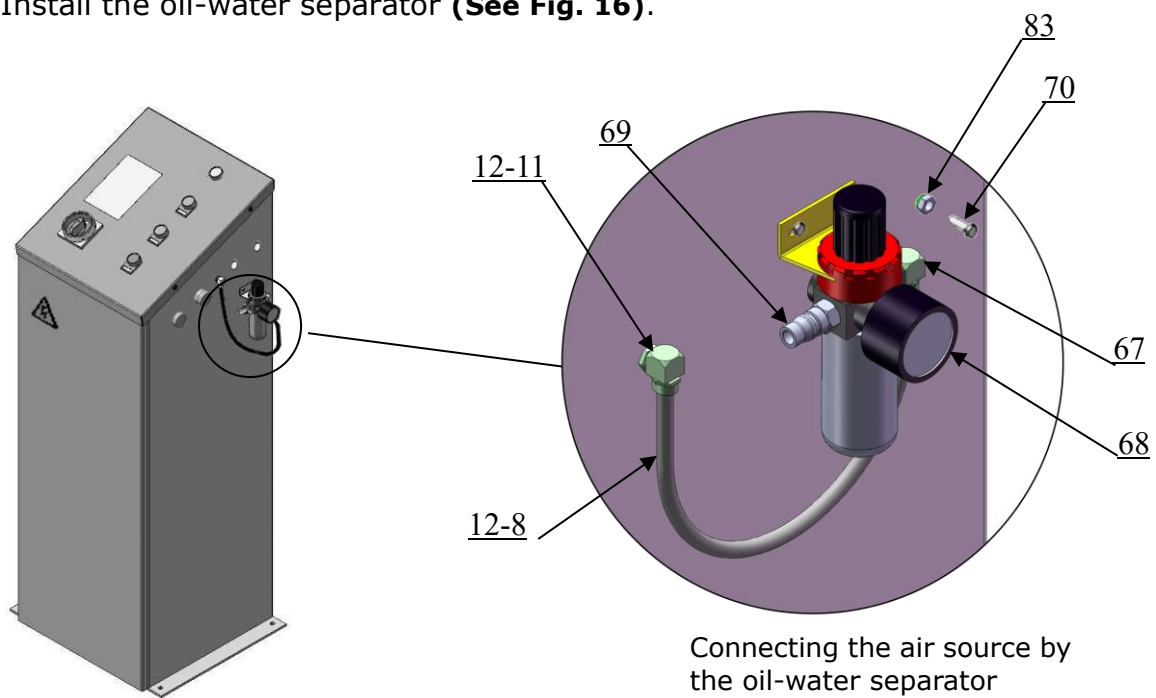


**Fig. 14**

2.2 Control cabinet installed in the right of the car in direction (**See Fig. 15**).

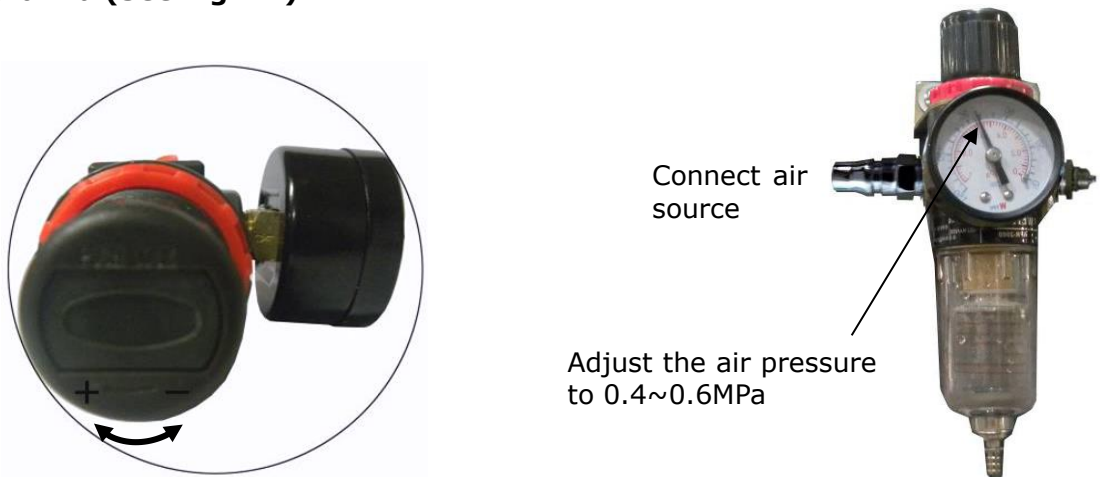


3. Install the oil-water separator (**See Fig. 16**).



**Fig. 16**

4. Connect the air source (air pressure 5kg/cm<sup>2</sup>-8kg/cm<sup>2</sup> ), Adjust the air pressure to 0.4~0.6MPa (**See Fig. 17**).



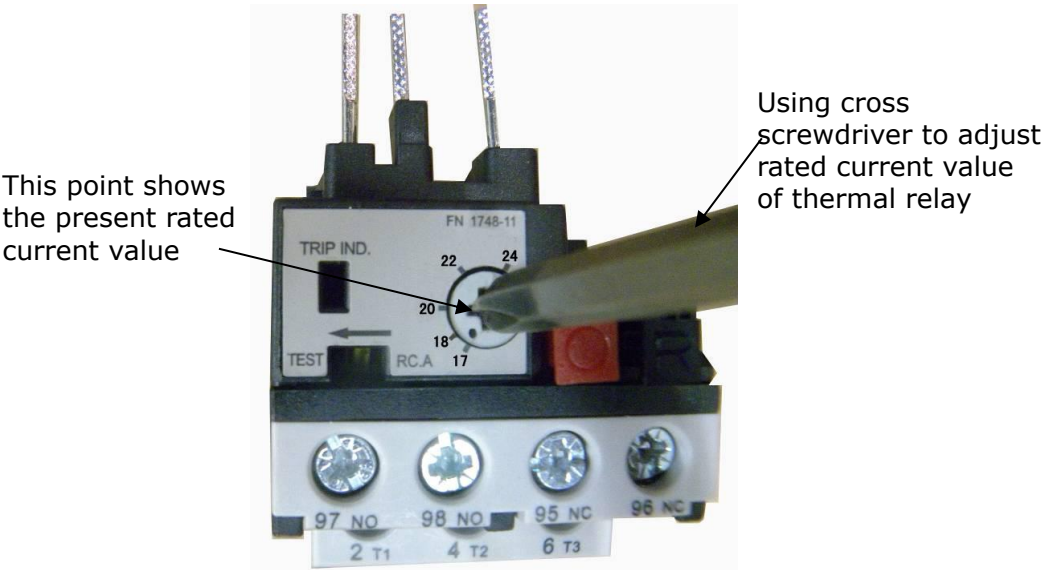
Clockwise to increase the air pressure  
Counter-clockwise to reduce the air pressure  
Adjust the air pressure to 0.4~0.6MPa

**Fig. 17**

**D. Install electric system**

1. Adjusting the current rating of thermal relay in control box according to the different configurations of hydraulic power unit. In general, the electric current of thermal relay should equal or larger than that of motor. The following table shows rated current regulation of thermal relay in case of different hydraulic power unit.

Hydraulic power unit	Single phase /4.0HP	Three phase /4.0HP
Rated current of thermal relay	22A	14A



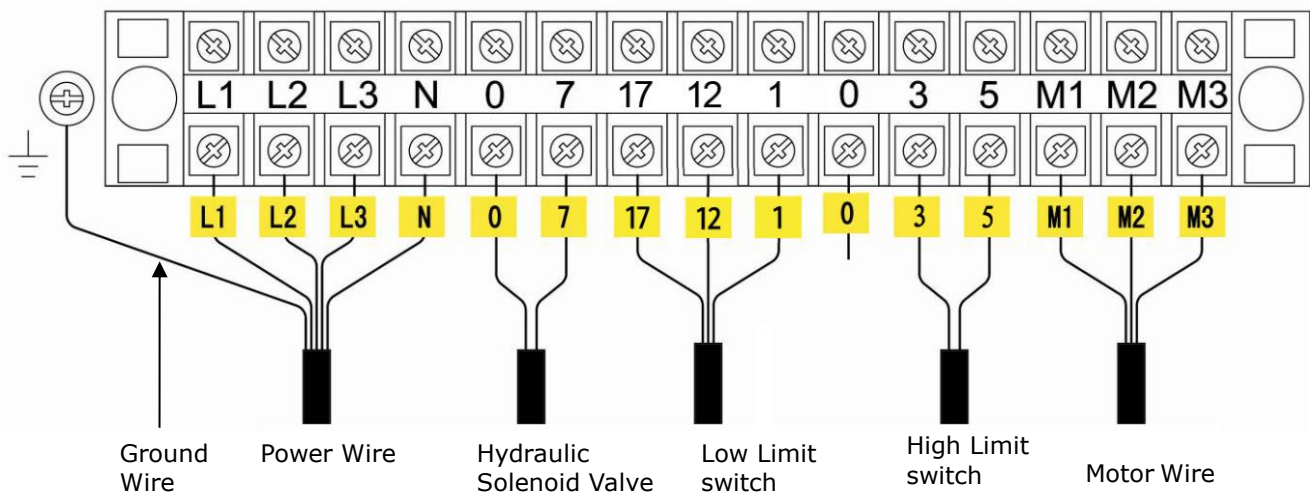
**Fig. 18**



## 2. Wire connection for hydraulic power unit (**380V**)

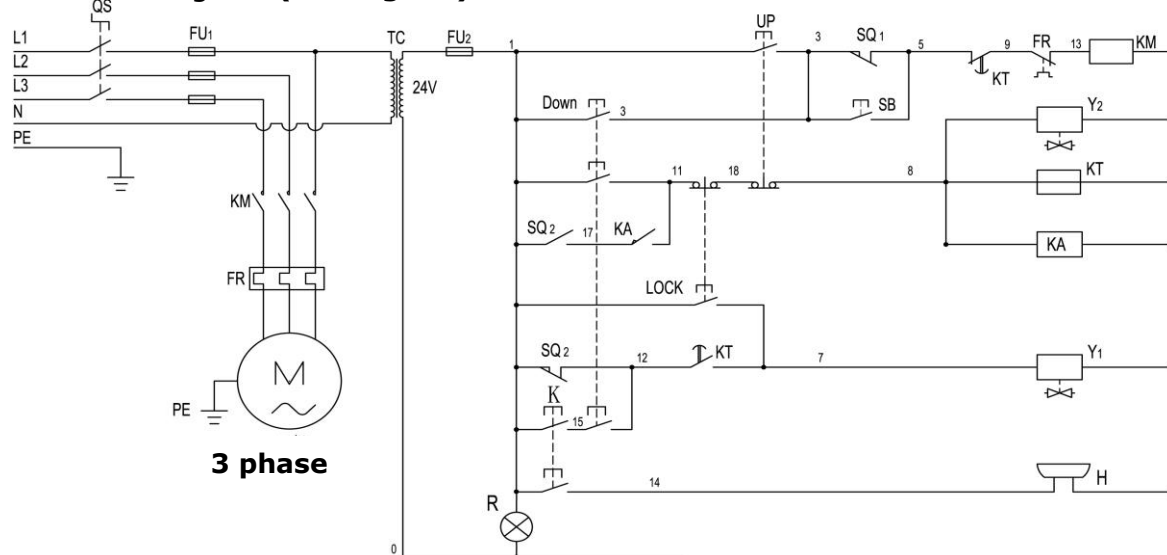
2.1 Connect the power wire and limit switch wire according to the Wiring diagram

(See Fig. 19).



**Fig. 19**

2.2 Circuit Diagram (See Fig. 20).



**Fig. 20**

### Electric Component

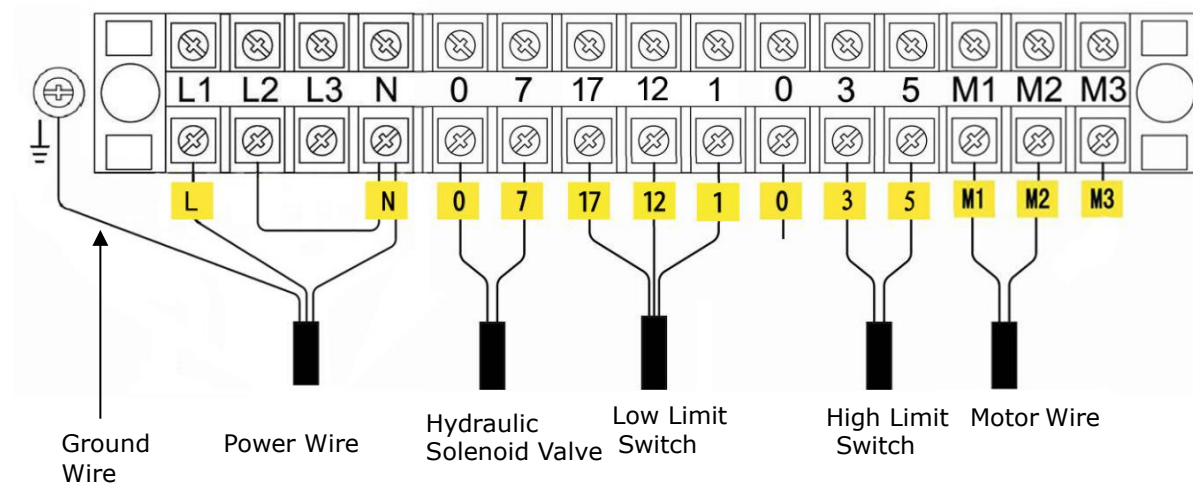
Item	Name	Code	Specification	Item	Name	Code	Specification
1	Power switch	QS	380V AC	10	Push button	UP	Duplex
2	Fuse	FU1	25A	11	Push button	LOCK	Duplex
3	Fuse	FU2	3A	12	Push button	Down	Triple
4	AC contactor	KM	24V AC	13	Lower Alarm button	K	Duplex
5	Thermal relay	FR	12A-18A	14	Motor	M	Triple
6	Time relay	KT	24V AC	15	Buzzer	H	24V AC
7	Limit Switch	SQ (1~2)	10A	16	Transformer	TC	24V AC
8	Hydraulic Solenoid Valve	Y1	AC 24V	17	Intermediate relay	KA	24V AC
9	Air solenoid Valve	Y2	AC 24V	18	Power indicator	R	24V AC



### 3. Wire connection for hydraulic power unit (**220V**)

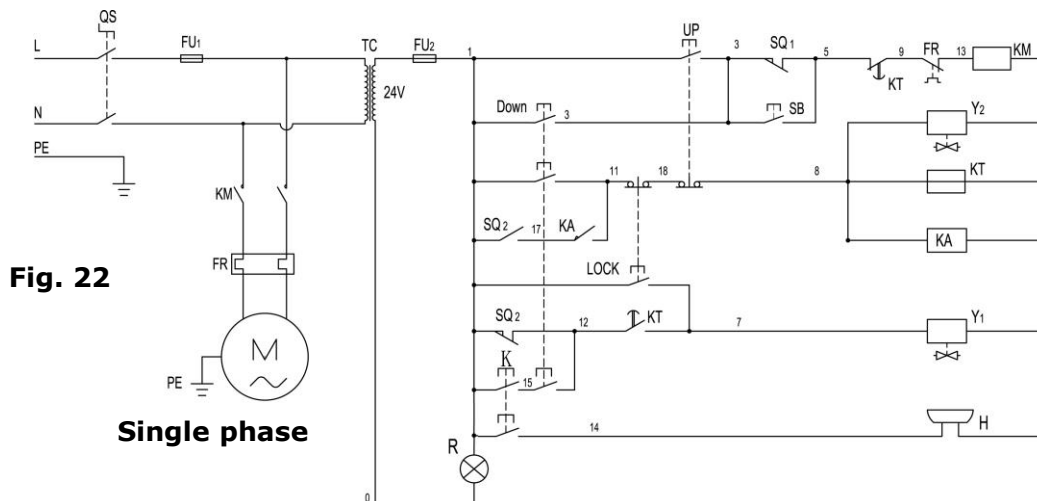
3.1 Connect the power wire and limit switch wire according to the Wiring diagram

(See Fig. 21)



**Fig. 21**

3.2 Circuit Diagram (See Fig. 22).



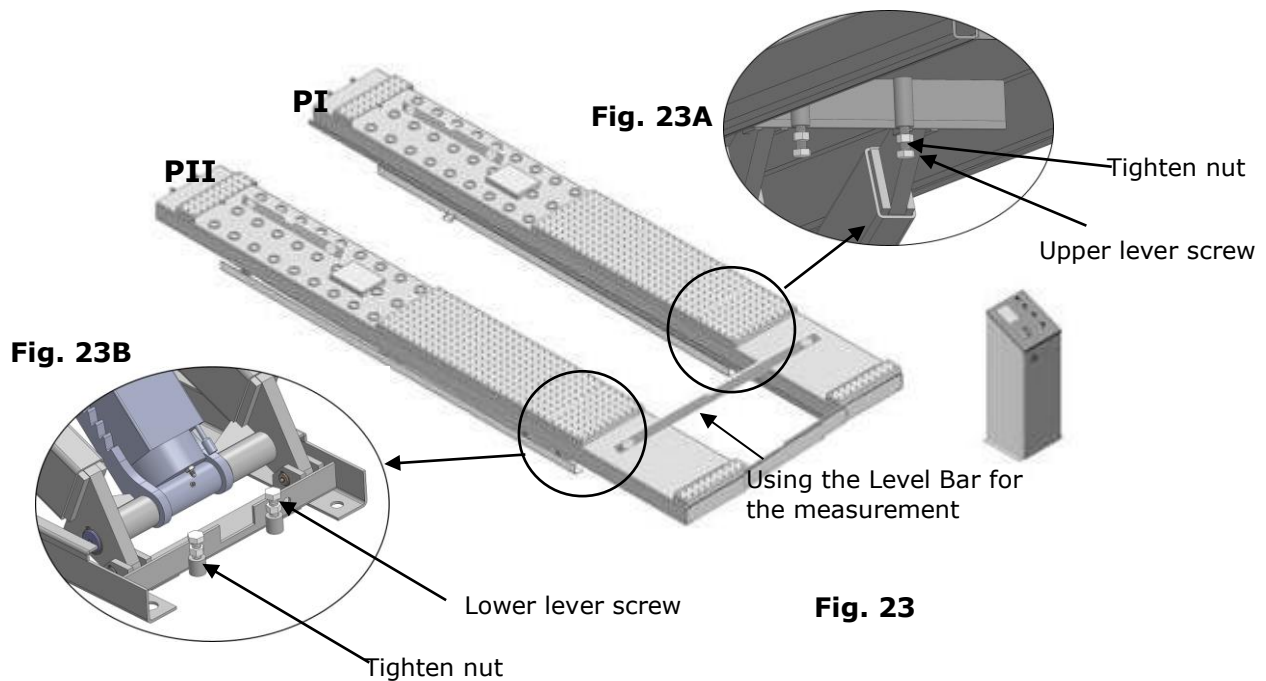
**Fig. 22**

### Electric Component

Item	Name	Code	Specification	Item	Name	Code	Specification
1	Power switch	QS	380V AC	10	Push button	UP	Duplex
2	Fuse	FU1	25A	11	Push button	LOCK	Duplex
3	Fuse	FU2	3A	12	Push button	Down	Triple
4	AC contactor	KM	24V AC	13	Lower Alarm button	K	Duplex
5	Thermal relay	FR	12A-18A	14	Motor	M	Single phase
6	Time relay	KT	24V AC	15	Buzzer	H	24VAC
7	Limit Switch	SQ (1~2)	10A	16	Transformer	TC	24VAC
8	Hydraulic solenoid valve	Y1	24V AC	17	Intermediate relay	KA	24VAC
9	Air solenoid valve	Y2	AC 24V	18	Power indicator	R	24VAC

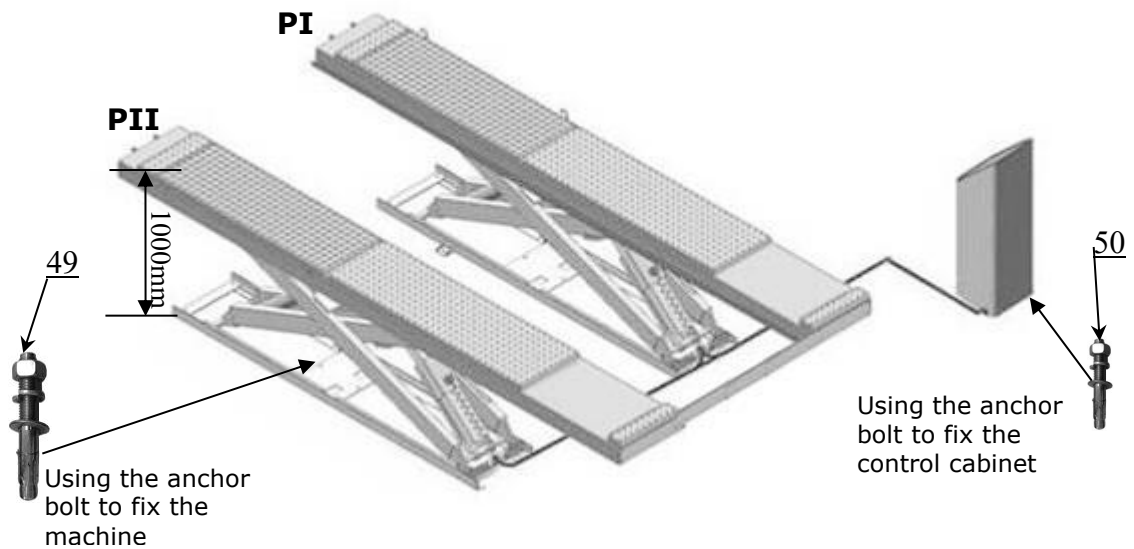
## E. Level two platforms and install anchor bolts.

1. Check by level bar, adjust downward screw(Fig 23B) ,level adjustment until two platforms to both side, then adjust upward screw(Fig 23A) and make it to touch with downward screw when lower to the lowest position, tighten nut finally.



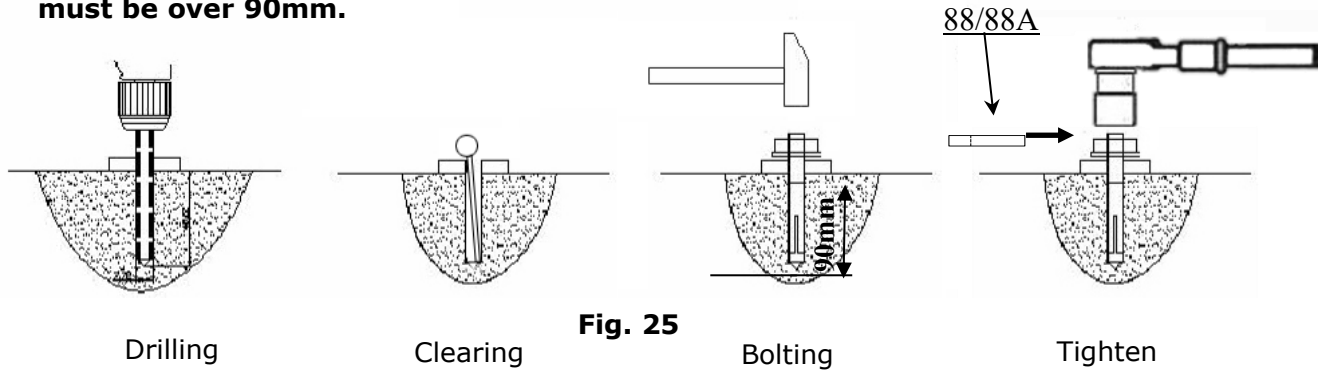
2. Install anchor bolts.

- 2.1 Raise the lift to 1000mm then drill holes to install the anchor bolts (**See Fig.24**).



## 2.2 Fix the anchor bolts.

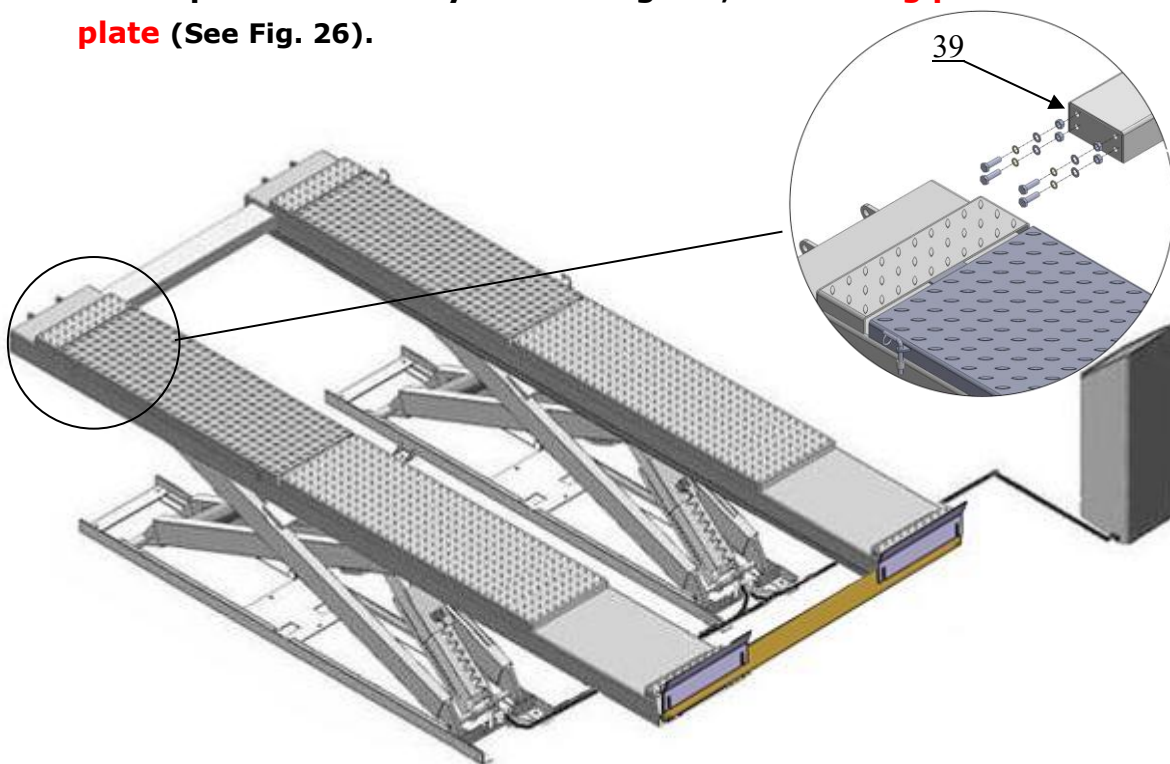
Drilling the hole for the anchor bolt with the rotary hammer drill, type the anchor bolt into the ground, and then fasten it with ratchet spanner (**See Fig. 25**). **Note: The torque of anchor bolt is 150N.m, the length inside ground of anchor bolt must be over 90mm.**



For the lifts: use  $\Phi 19$  drill to drill hole

For the control cabinet: use  $\Phi 10$  drill to drill hole

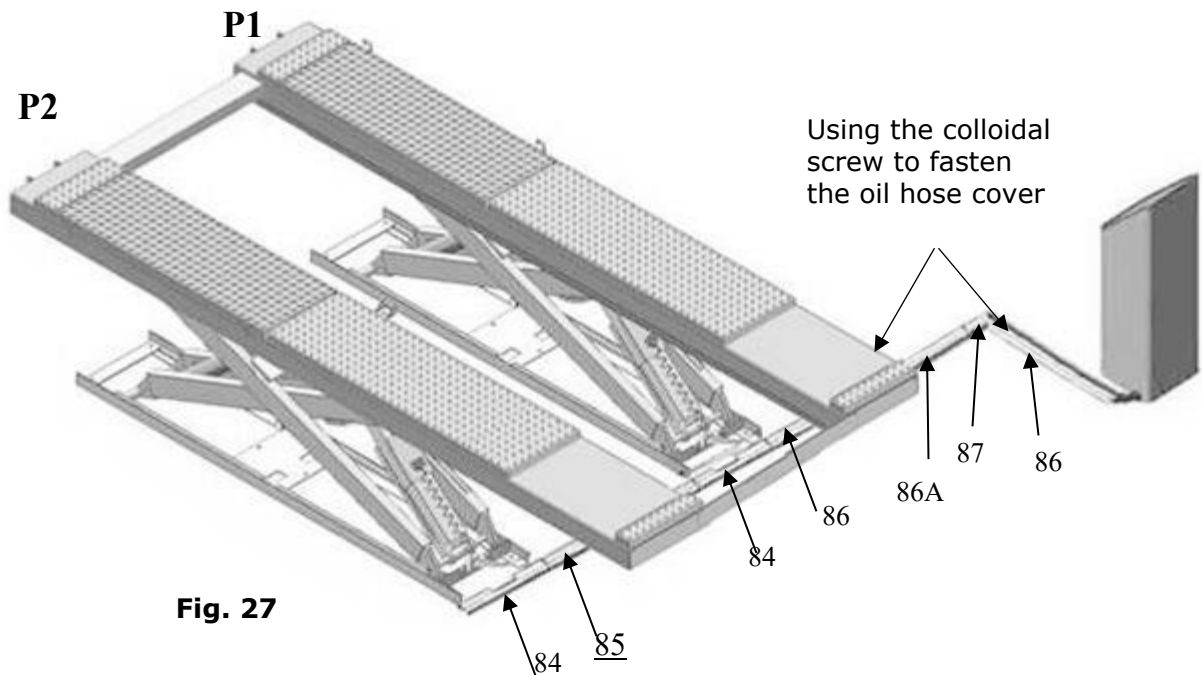
## F. Install platform runway connecting bar, connecting plate and tire stop plate (See Fig. 26).



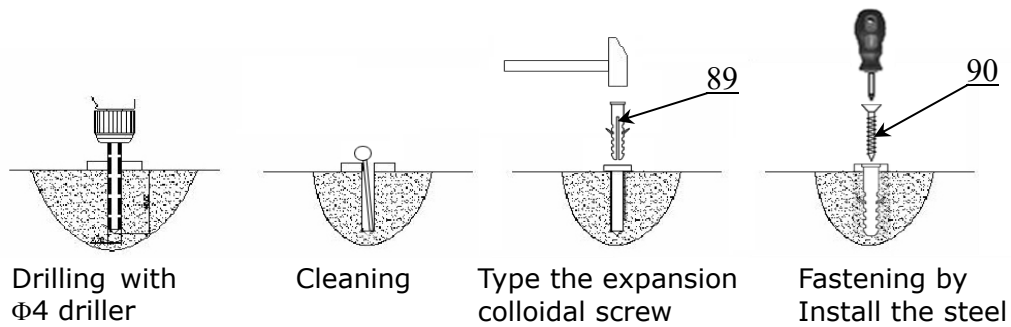
**Fig. 26**

## G. Install oil hose cover for on surface installation.

1. Tidy up the oil hose and air line, cover the oil hose cover (See Fig. 27).

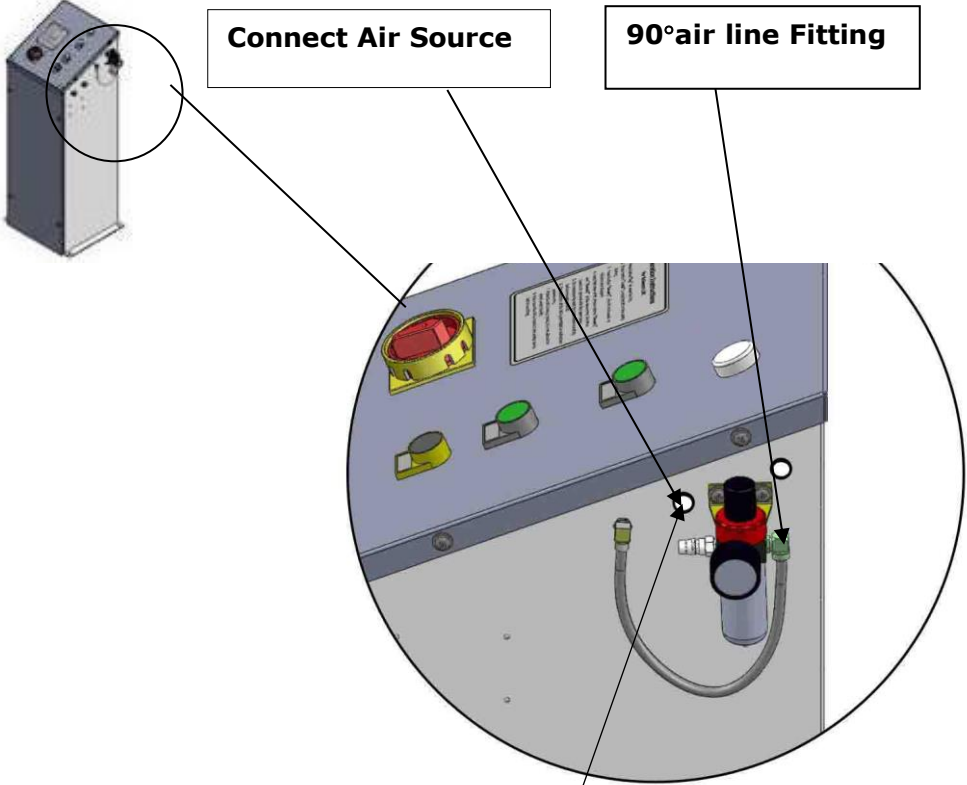
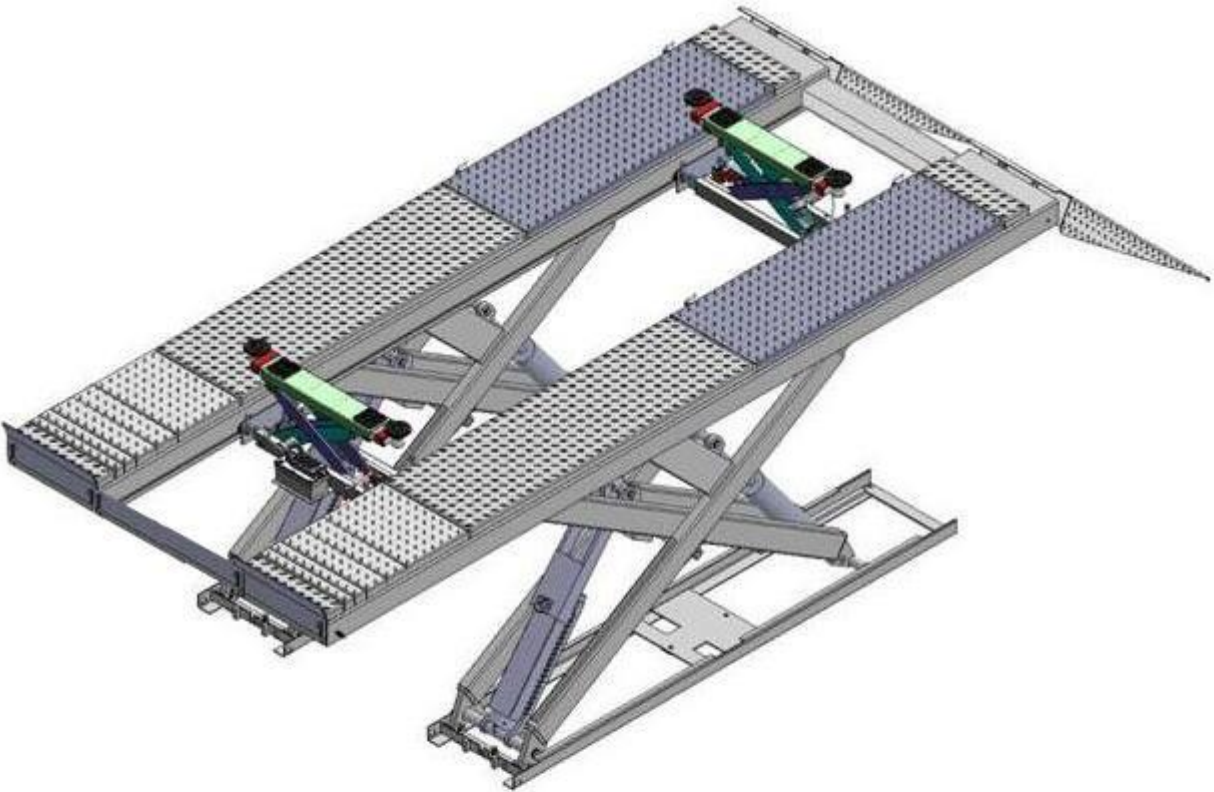


2. Install the oil hose cover (See Fig. 28).



**Fig. 28**

**H   Install optional parts of air line kit(see Fig.29)**



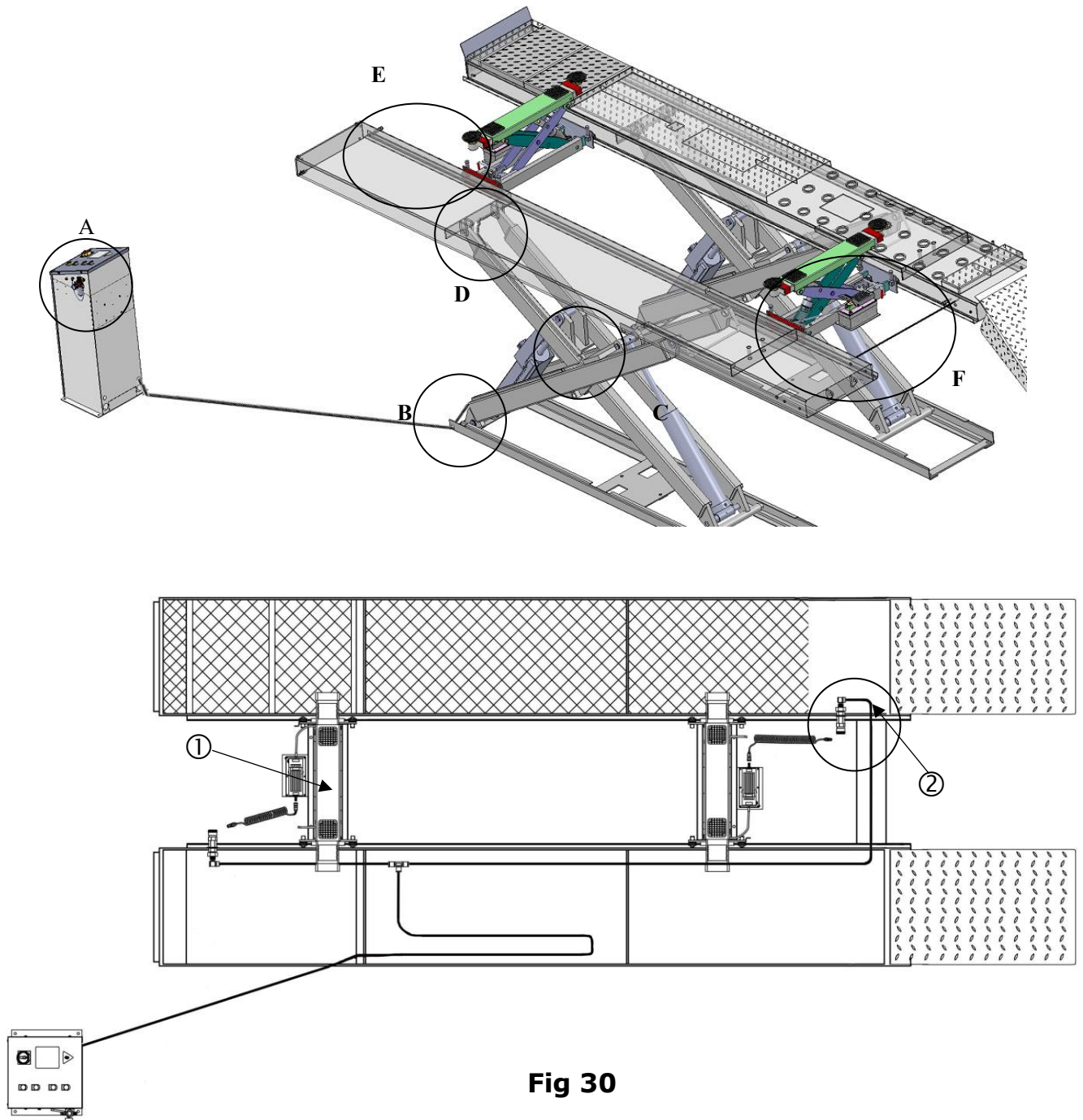
**Fig.29**

12-30

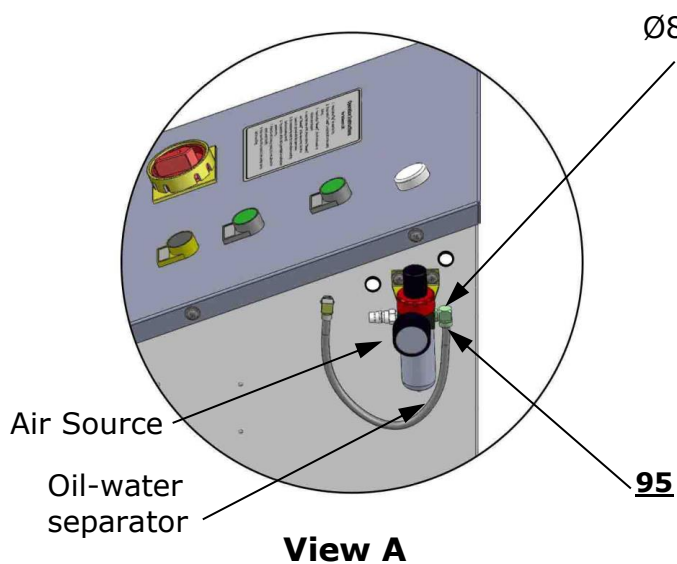


## 1 Install air line kit

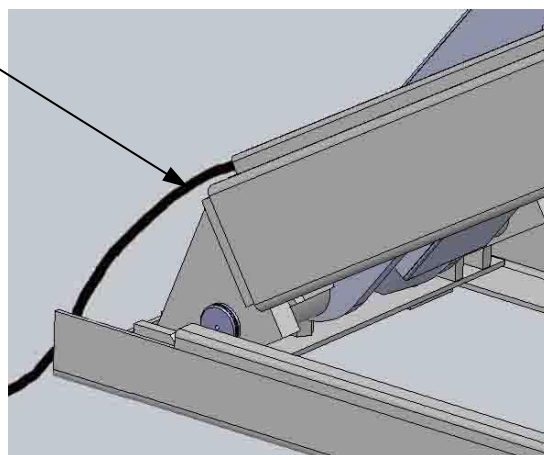
1.1 Connect the air line fittings with  $\phi 8 \times \phi 6$  black air line as following fig. The length of air line can be cut accordingly.



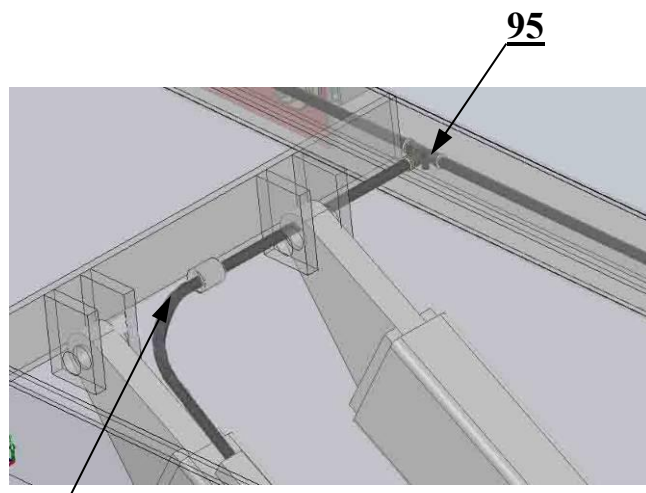
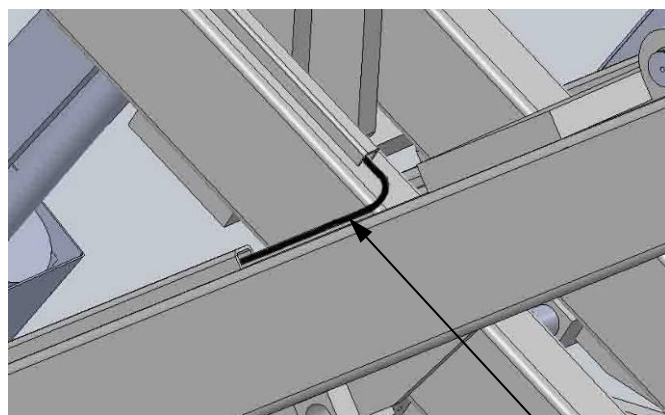
**Fig 30**



1.2 Replace 90 air hose fitting to three ways fitting from oil-water separator, then through black air hose(Ø8\*Ø6) to control cabinet and connect with screw fitting.



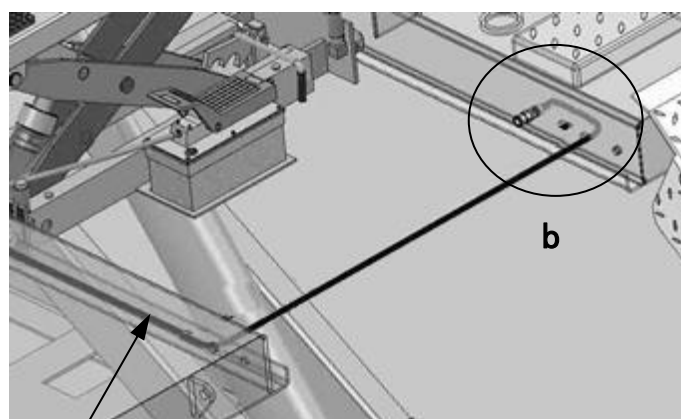
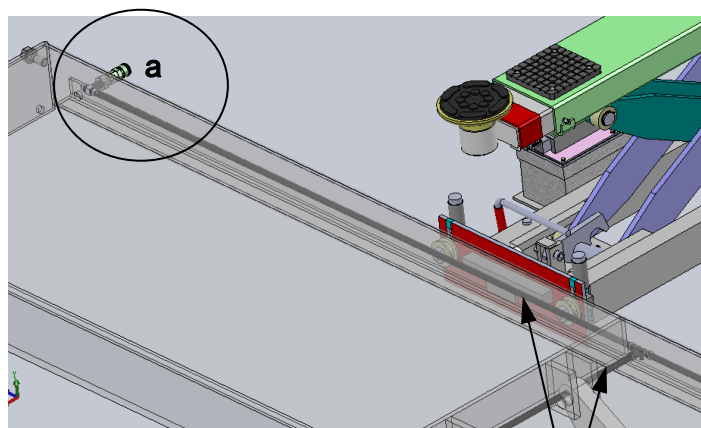
1.3 Through black air hose(Ø8\*Ø6) to the hole of the base and fixing slot of outer scissor



**View C**

Ø8\*Ø6Air line

**View D**

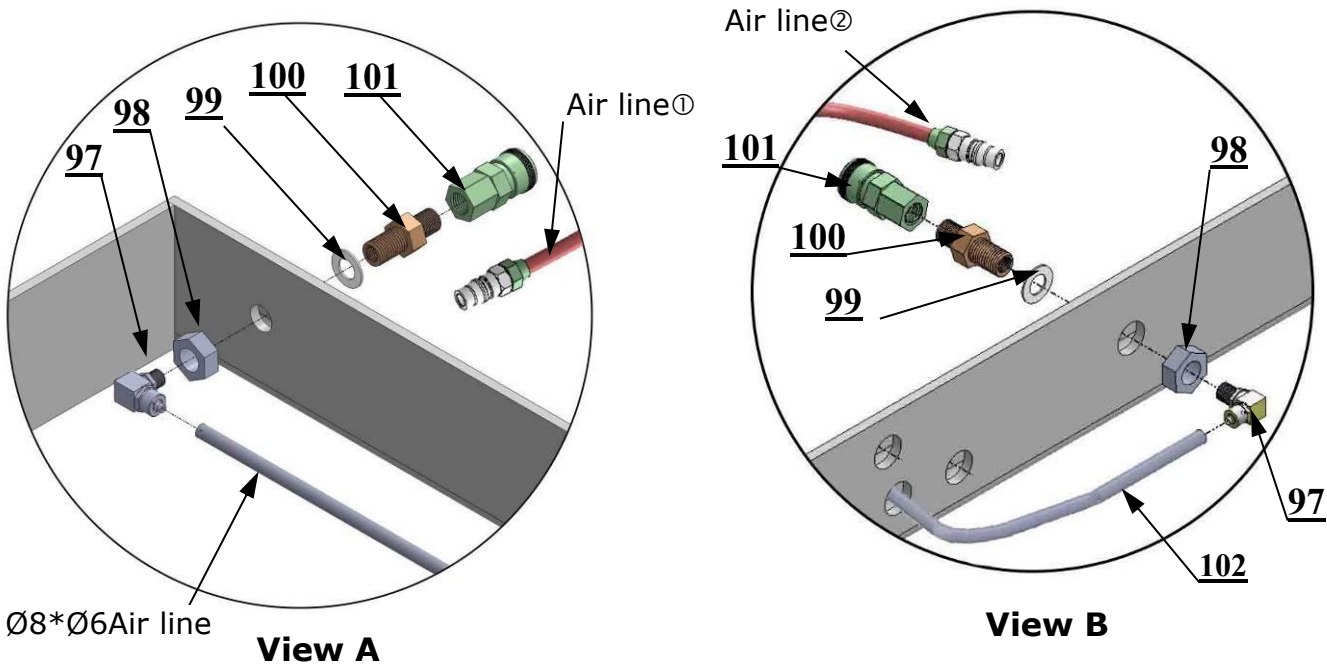


**View E**

Ø8\*Ø6Air line

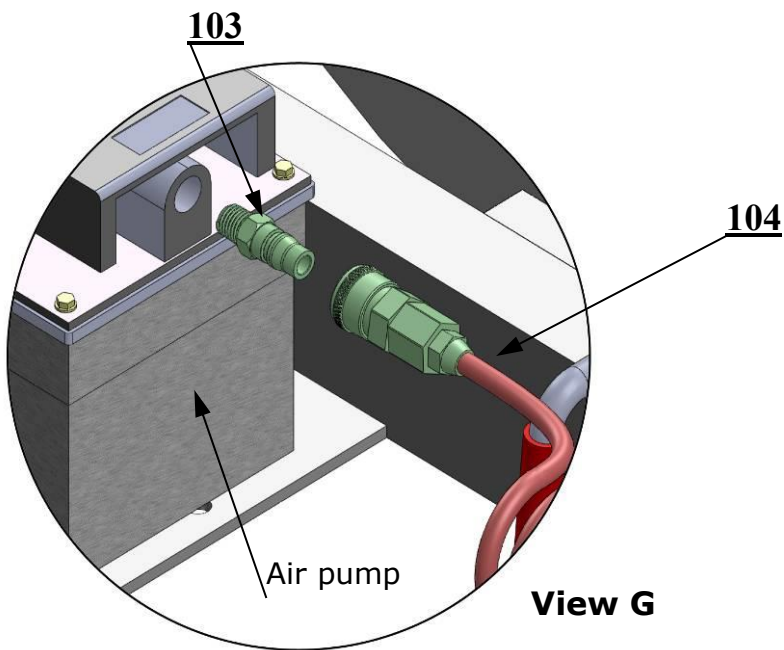
**View F**

1.4 Air source divide into two ways by passing three ways fitting and connect with rolling jack separately



1.5 Install quick female fitting, then connect it with male air line ①

1.6 Install quick female fitting, then connect it with male air line②



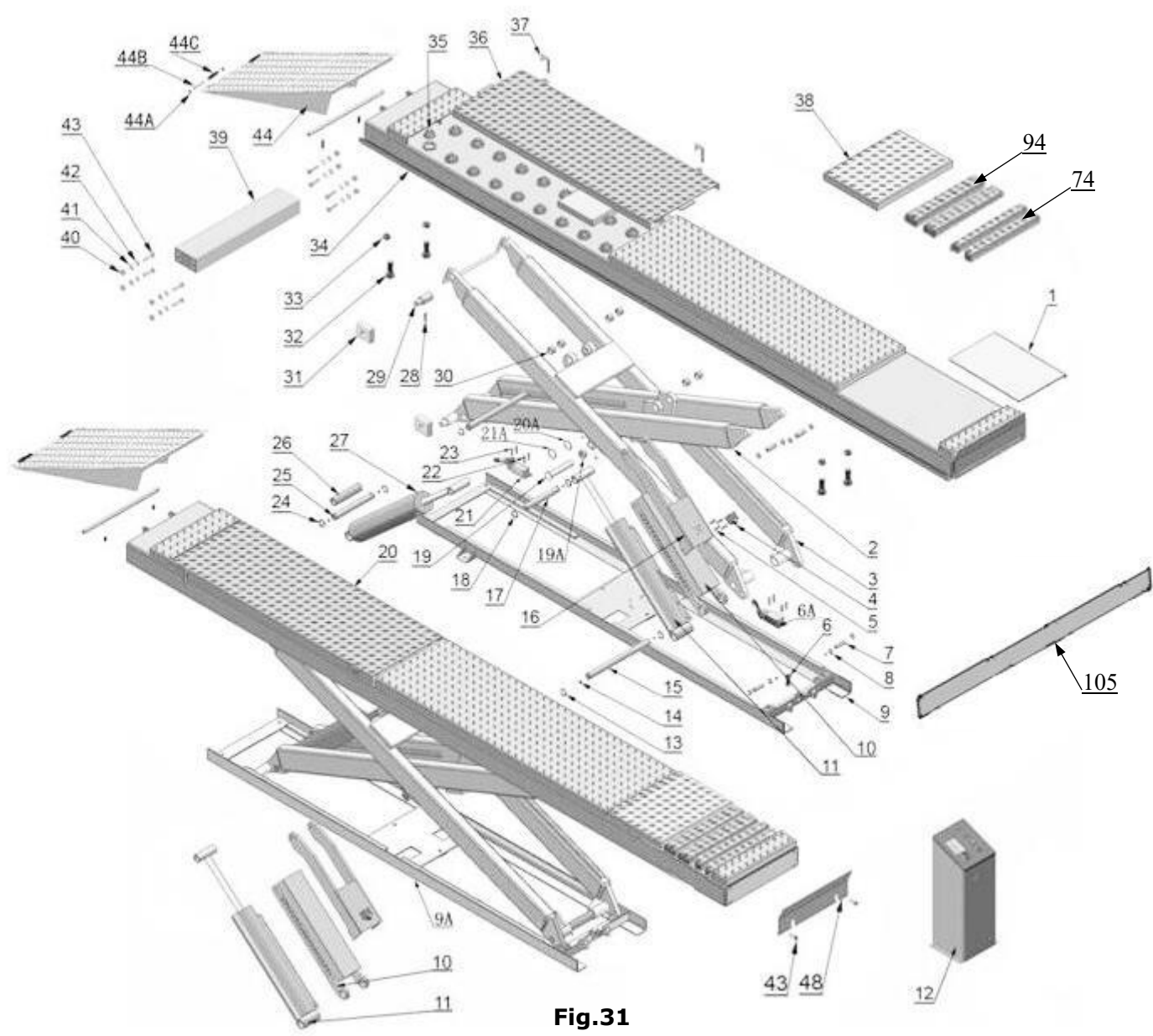
1.7 Connect female airlines of ① and ② to quick male fitting on two operate jack

## 2. Connect air source, and operate jack.

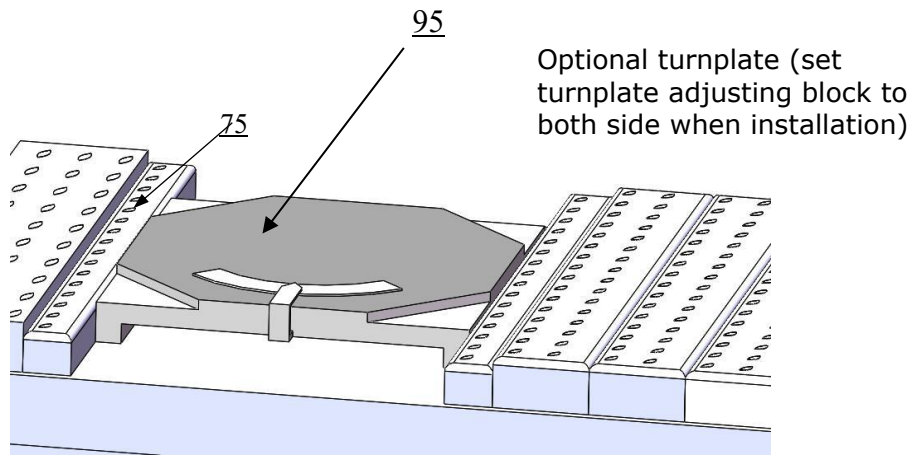


**IV. EXPLODED VIEW**

**MODEL AX-16A**

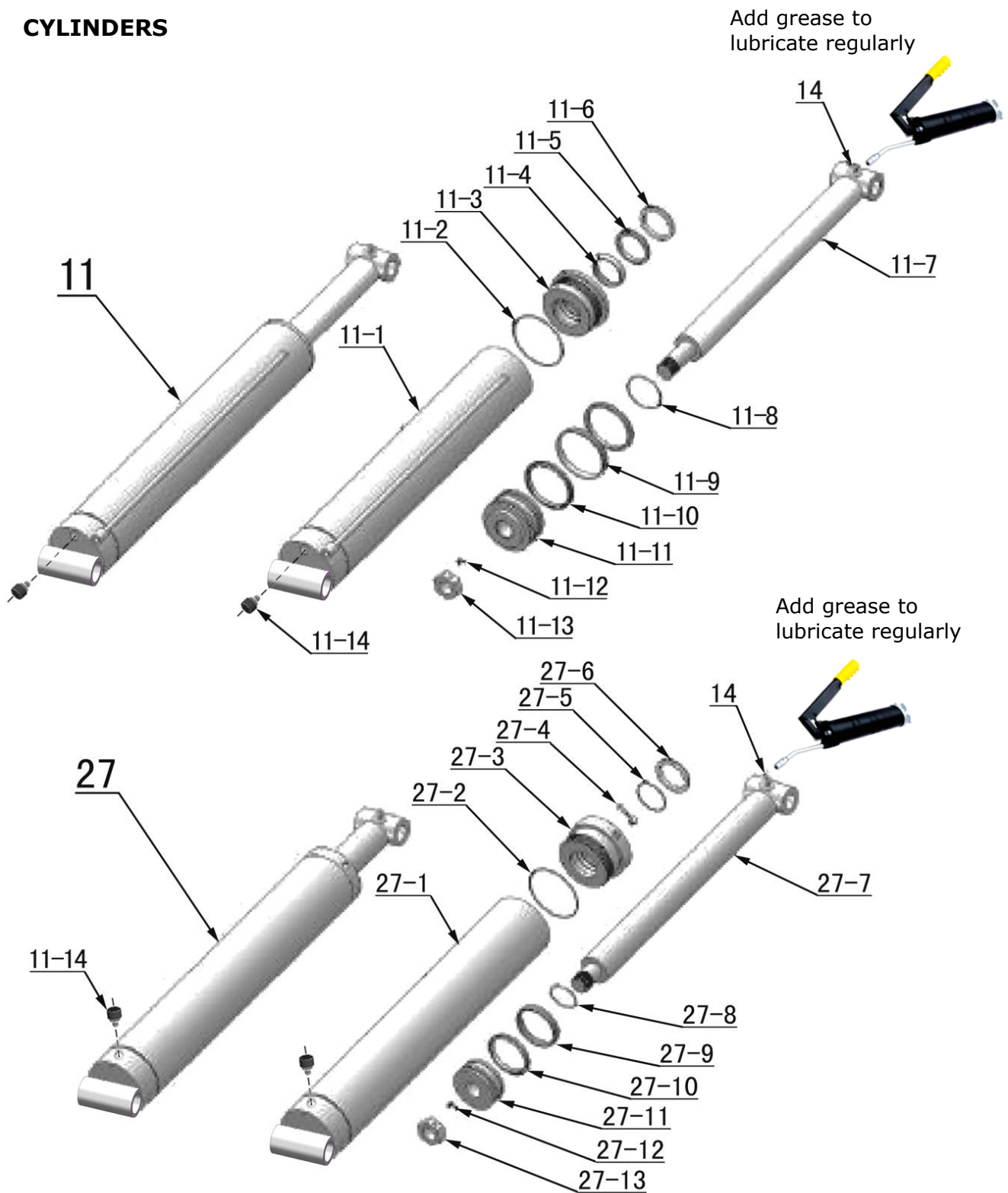


**Fig.31**



Optional turnplate (set  
turnplate adjusting block to  
both side when installation)

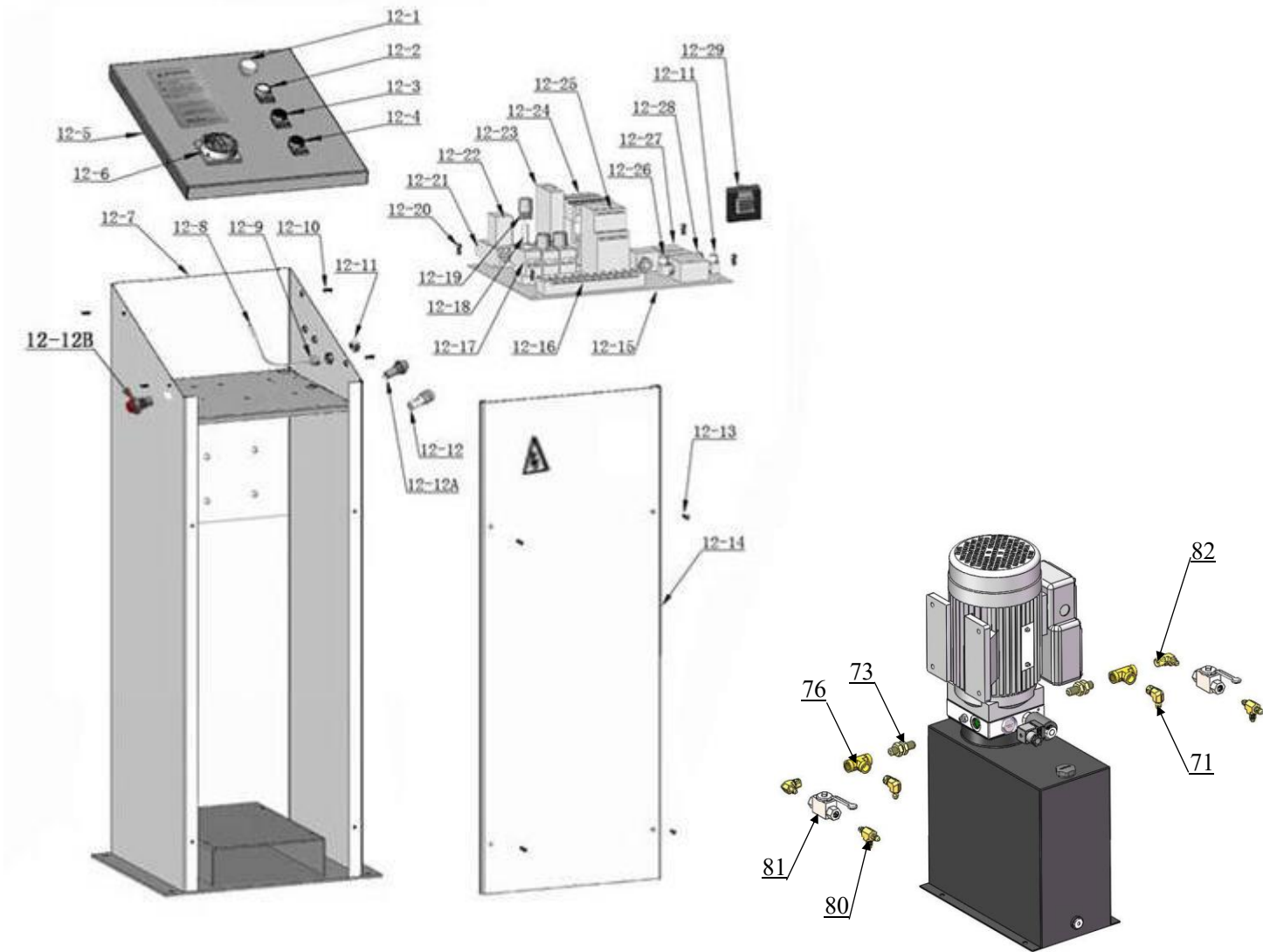
## CYLINDERS



**Fig. 32**

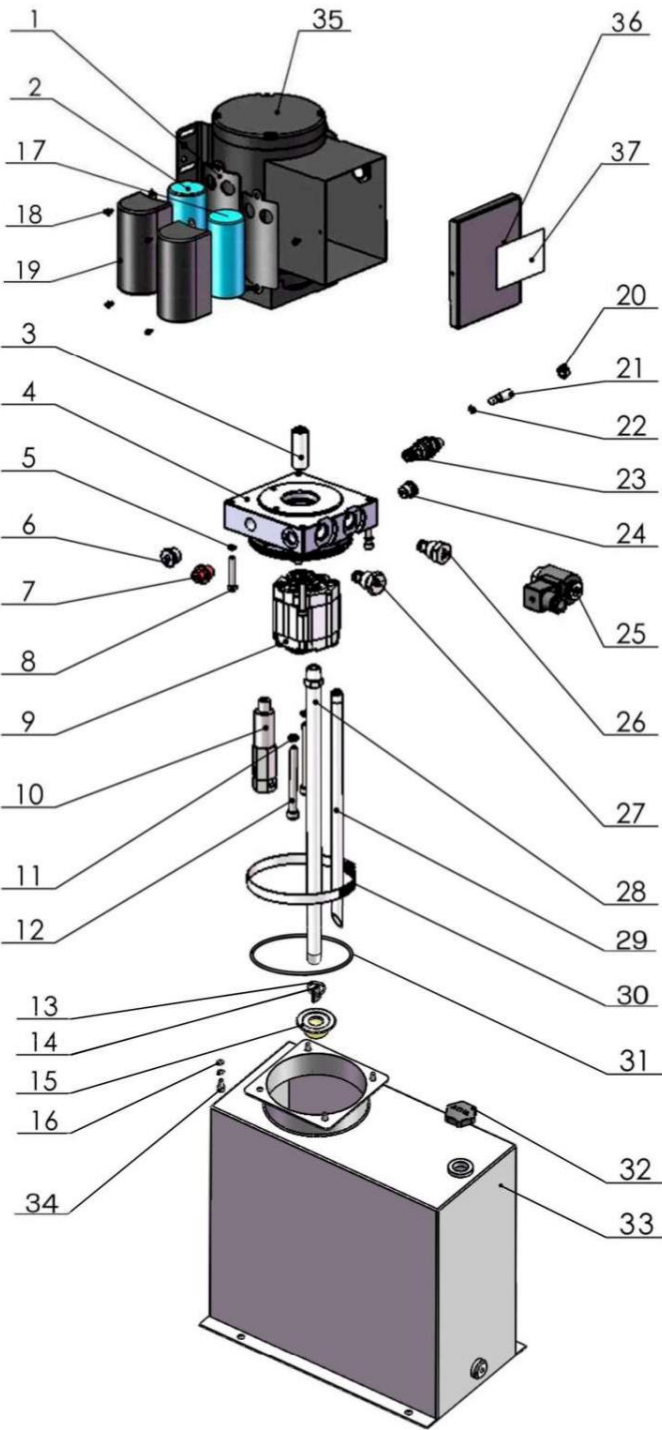


**CONTROL CABINET**



**Fig. 33**

**ELECTRIC POWER UNIT**



**Fig. 34**

## V. TEST RUN

### 1. Fill oil adjustment

- a. Turn on the power after connecting oil system correctly. Press the button "**Up**", and check the rotated direction of the motor (This is right if lift is upward, otherwise, it is wrong direction of the motor). Shut off power and exchange the phase connection if the direction is wrong.
- b. Fill the reservoir with hydraulic oil. In consideration of power unit's durability and keep the equipment running in the perfect condition, **please use Hydraulic Oil 46#**.

### c. Lower the platforms to the lowest position.

### 2. Synchronous adjustment

- a. Turn the handles of the shutoff valves to the position as **Fig. 34** (Normal working position), push button "**UP**" until both platforms up to the position that the high limit switch and stopped, at this time, push button "**UP**" and the red button beside the oil water separator at the same time to raise the lift to the highest position (**See Fig.35**).

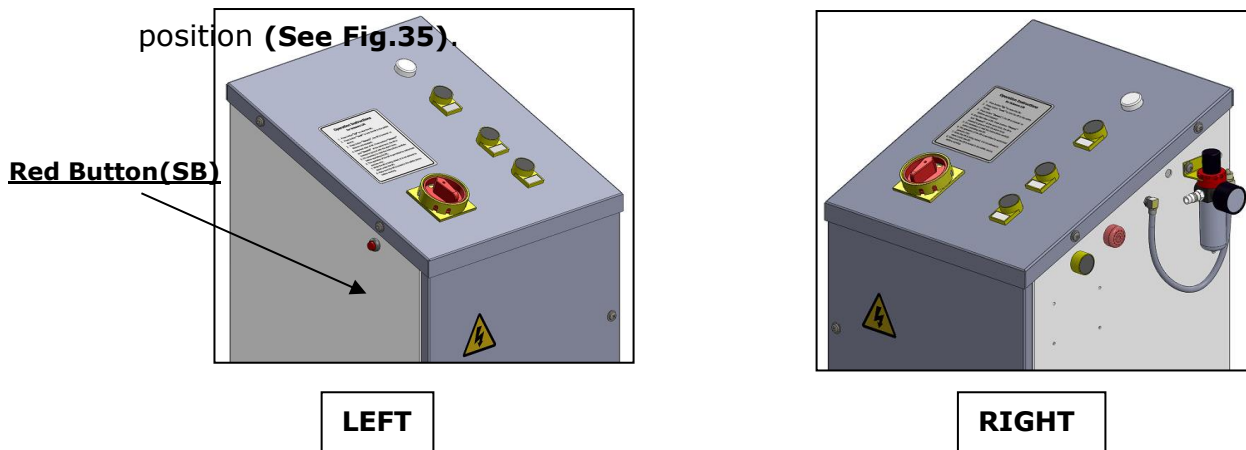
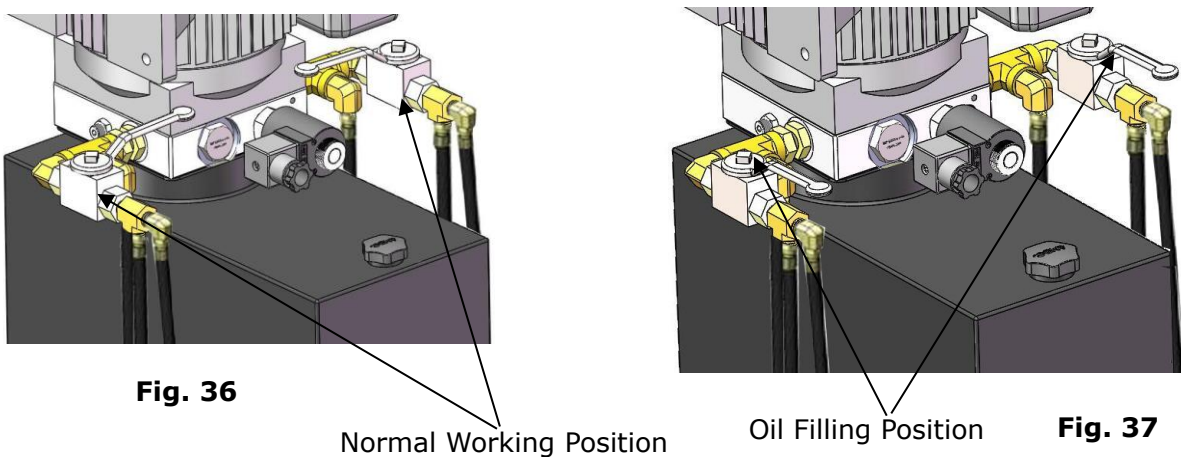


Fig. 35

- b. Turn the handles of the both shutoff valves to the oil filling position show as **Fig.37**



- c. Press button "**UP**" and the Red Button beside the oil-water separator as **Fig. 35** to

fill the oil into both secondly cylinders until it is full (to the highest position).

- d. Turn the both handle of the shutoff valves to normal working position (**See Fig. 34**), push button **"Down"**, the lift start to be lowered (If the lift can't be lowered down, turning the handle lever of one valve to oil filling position shown as **Fig. 35**, then quickly turn the handle lever to normal working position, and adjusting another valve with the same way), then the lift can be lowered. Lower the lift to the lowest position.
- e. Repeat the above procedure **a** to **d** more times, bleeding the air in the cylinder then the lift would be synchronous worked.

### 3. Test run

Check the height limit switch, the hose and fitting connection, and do test run. The lift must be tested run and checked carefully before in use.

## VI. OPERATION INSTRUCTIONS

### To lift vehicle

1. Keep clean of site near the lift, and down the lift to the lowest position.
2. Drive vehicle on the platforms and pull the brake.
3. Turn on the power and push the button **"Up"**, raise the lift to the working position.

**Note:** make sure the vehicle is steady when the lift is rising

4. Push the button **"Lock"**, lock the lift in the safety device. Make sure the safety device is locked in the same height.

### To lower vehicle

1. Be sure clear of around and under the lift, only leaving operator in lift area.
2. Push the button **"Down"**, the lift is lowered continually and stopped at the height 600mm from ground. Keep feet clear off lift, push button **"DOWN"** while push the **Lowering Alarm Button(black)** at the side of control cabinet, the lift is lowered to ground with alarm tone;
3. Drive away the vehicle when the lift is lowered to the lowest position.
4. 4.Turn off the power.

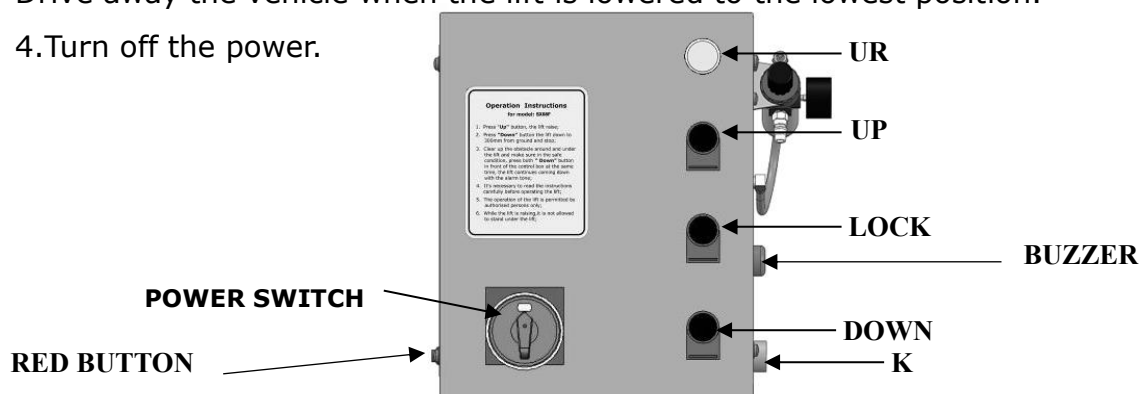
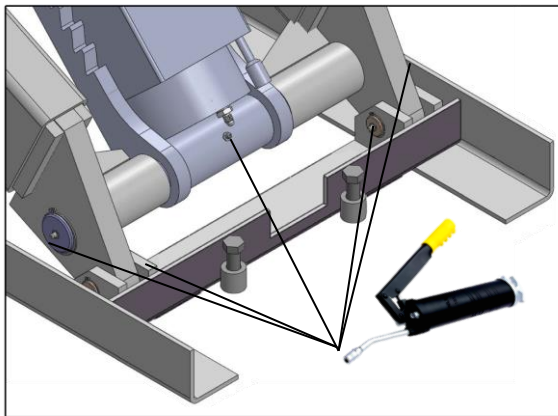


Fig. 38

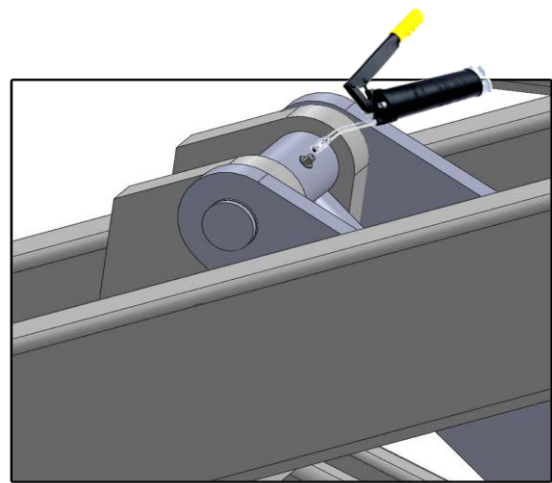
## VII. MAINTENANCE SCHEDULE

### Monthly:

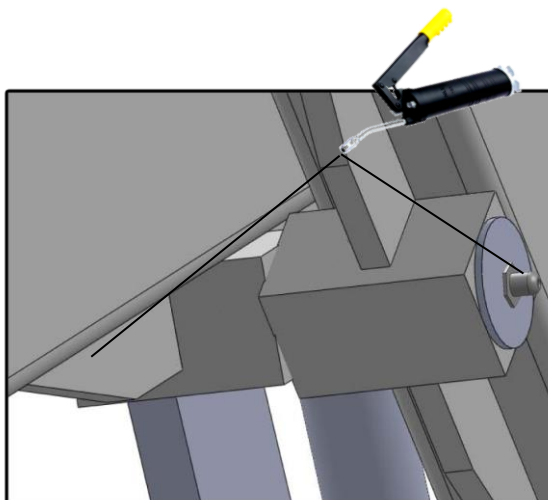
1. Re-torque the anchor bolts to 150Nm.
2. Check all fittings, bolts and pins to insure proper mounting.  
**Note:** All anchor bolts should take full torque. If any of the bolts does not function for any reason, **DO NOT** use the lift until the bolt has been replaced.
3. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage.
4. Adjusting the lifting level on both platforms.
5. Lubricate all moving parts with lubricant (**See Fig. 39-44**).



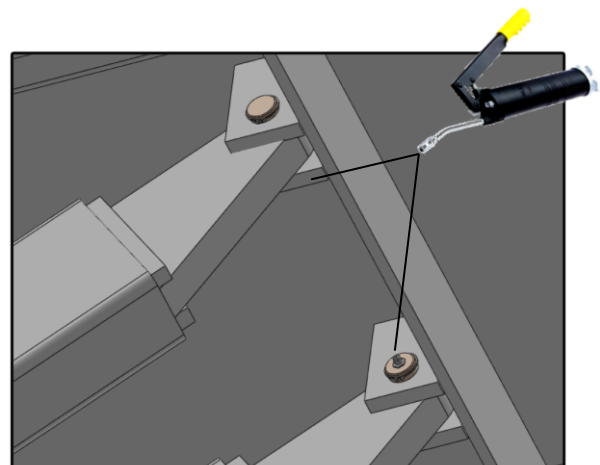
For Main Cylinder  
Fig.39



For shaft of piston rod of Main cylinder  
Fig.40

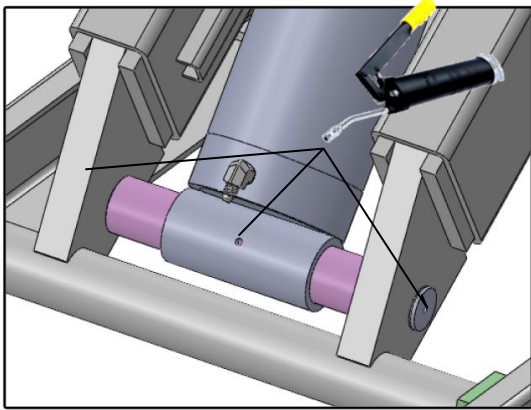


For pins of connecting  
platforms and scissors  
Fig. 41

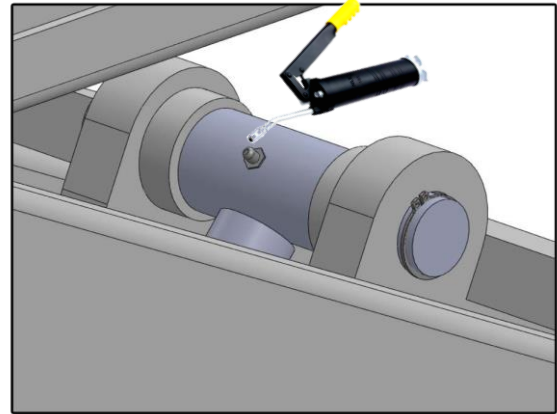


For pins of connecting  
platforms and scissors  
Fig. 42





**For Secondly Cylinder  
Fig.43**



**For shaft of piston rod of  
Secondly cylinder  
Fig.44**

**Every six months:**

1. Make a visual inspection of all moving parts for possible wear, interference or damage.
2. Check and adjust the platform as necessary to insure level lifting.
3. Check all fastener and re-torque.

## VIII.TROUBLE SHOOTING

TROUBLE	CAUSE	REMEDY
Motor does not run	<ol style="list-style-type: none"> <li>1.Button does not work</li> <li>2.Wiring connections are not in good condition</li> <li>3. AC contactor burned out</li> <li>4. Motor burned out</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace button</li> <li>2. Repair all wiring connection</li> <li>3. Replace AC contactor</li> <li>4. Repair or replace motor</li> </ol>
Motor runs but the lift is not raised	<ol style="list-style-type: none"> <li>1. Motor runs in reverse rotation</li> <li>2. Low oil level</li> <li>3. The Gear Pump out of operation</li> <li>4. Relief valve or check valve in damage</li> <li>5. Hydraulic Solenoid valve out of operation</li> </ol>	<ol style="list-style-type: none"> <li>1. Reverse two power wire</li> <li>2. Fill tank</li> <li>3. Repair or replace</li> <li>4. Repair or replace</li> <li>5. Repair or Replace</li> </ol>
Lift does not stay up	<ol style="list-style-type: none"> <li>1. Hydraulic Solenoid valve out of operation</li> <li>2. Relief valve or check valve leakage</li> <li>3. Cylinder or fittings leaks</li> </ol>	Repair or replace
Lift raised slowly	<ol style="list-style-type: none"> <li>1. Oil line is jammed</li> <li>2. Gear Pump leaks</li> <li>3. Overload lifting</li> <li>4. Power Voltage low</li> <li>5. Oil mixed with air</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the oil line</li> <li>2. Repair or Replace</li> <li>3. Check load</li> <li>4. Check electrical system</li> <li>5. Fill tank and bleeding air</li> </ol>
Lift cannot lower	<ol style="list-style-type: none"> <li>1. Hydraulic Solenoid valve out of operation</li> <li>2. Air Solenoid Valve out of operation</li> <li>3. Air cylinder in damage</li> <li>4.Low Air pressure</li> </ol>	<ol style="list-style-type: none"> <li>1. Repair or replace the Valve</li> <li>2. Repair or replace the Valve</li> <li>3. Repair or replace</li> <li>4. Check the air line</li> </ol>

## IX. PARTS LIST For Model AX-16A

Item	Part#	Description	QTY	Note
1	520003	Shelf	2	
2	530002A	Inner Scissors	2	
3	530003A	Outer Scissors	2	
4	520011	Air Cylinder	2	
5	420153	Cup Head Bolt	8	
6	510012	Hex Bolt	4	
6A	510040	Limit switch assy.	1	
7	520013A	Connecting Pin	8	
8	206032	Snap Ring	16	
9	520015C	Base frame	1	
9A	520015D	Base frame	1	
10	520038B	Main Safety Lock Tube	2	
11	520028B	Main Cylinder	2	
12	520102B	Control Cabinet	1	
13	520020	Snap Ring	4	
14	620064	Grease Fitting	32	
15	520018A	Connecting Shaft For Main Cylinder	2	
16	520021A	Safety Lock	2	
17	610005A	Connecting pin for Main Cylinder	4	
18	610098	Snap Ring	8	
19	520024A	Connecting Pin For Scissors	4	
19A	610019	Self locking nut	4	
20	570002	Offside Platform	1	
20A	610108	Washer	4	
21	510041	Limit Switch Assy.	1	
21A	530023	Washer	4	
22	620109	Cup Head Bolt	4	
23	420164	Cup Head Bolt	4	
24	520023	Snap Ring	4	
25	560026A	Connecting Shaft For Secondly Cylinder	2	
26	560027	Piston Connecting Tube	2	
27	520017B	Secondly Cylinder	2	
28	520108	Socket Set Screw	4	
29	520032A	Pin For Pulley	4	
30	530042	Bronze Bush( $\Phi 41.3 \times \Phi 35.1 \times 28$ )	8	
31	510012	Slider	8	
32	510028	Hex Bolt(M20*110)	8	
33	420175A	Hex Nut M20	12	
34	570001	Powerside Platform	1	

35	420157	Steel Ball	58	
36	570003	Side Slip Plate	2	
37	520037	Pin for Rear Slip Plate	4	
38	560003	Plate for Adjustable Turnplate	4	
39	570004	Runway Connecting Bar	1	

Item	Part#	Description	QTY	Note
40	206023B	Hex Nut	8	
41	420026	Lock Washer	8	
42	206006	Washer	8	
43	420136	Hex Bolt	12	
44	520005A	Drive-in Ramp(On surface/Flush mount)	2/0	
44A	206010	Snap ring	8	
44B	620043	Roller Pin	4	
44C	620063	Up Sweep Roller	4	
44D	510039	Cup head bolt	3	
45	510006	Pin For Drive-in Ramp	2	
46	201005	Split Pin	4	
47	510018	Guild Ramp (On surface/Flush mount)	0/2	
48	520004A	Tire Stop Plate	2	
49	209059	Anchor Bolt	14	
50	620071	Anchor Bolt	4	
51	420047	Quick Fitting for Air Cylinder	2	
52	520065	Spring Air Line	2	
53	570015	Air Line (Black)	1	
54	420124	T-fitting	1	
55	520069	90° Quick fitting for air line	1	
56	620079	T-Fitting	6	
57	203119	Oil Hose No.①	1	
58	540020	Oil Hose No.②	1	
59	540019	Oil Hose No.③	1	
60	570022	Oil Hose No.⑥	1	
61	570023	Oil Hose No.⑤	1	
62	570024	Oil Hose No.④	1	
63	510023	Straight Fitting	2	
64	520101	Protective Plastic Hose	2	
65	540030	Oil Hose	4	
66	420119	Straight Fitting	2	
66A	540021	Oil Hose	2	
67	420076	90° Fitting For Air Line	1	
68	420145	Oil-water Separator	1	
69	420146	Straight Fitting for air line	1	
70	680005	Cup Head Bolt	4	
71	420097	90° Fitting	4	

71A	510024	Transition Fitting	2	
72	81523009/8 1523010	Power unit	1	
73	440009	Straight Fitting for power unit	2	
74	580090	Turnplate adjusting block	4	
Item	Part#	Description	QTY	Note
75	580097	Turnplate adjusting block(no.1)	4	
76	61K107	T-fitting	2	
77	61K050	Hex Bolt	4	
78	209033	Washer	8	
79	209005	Self locking Nut	4	
80	209062	T-Fitting	2	
81	61K101	Shut off Valve	2	
82	680072	90° Fitting	2	
83	420018	Self locking Nut	2	
84	540024	Oil horse Cover	2	
85	540028	Oil Hose Cover	1	
86	540027	Oil Hose Cover	2	
86A	540025	Oil Hose Cover	1	
87	540029	Oil Hose Cover	1	
88	620065	Shim	20	
88A	201090	Shim	20	
89	620070	Colloidal	36	
90	620069	Wood Screw	36	
91	570500	Parts box(On surface installation)	1	
92	570501	Parts box(On surface installation)	1	
93	420158	Turnplate (optional)	4	
94	520116	Turnplate adjusting block(no.2)	4	
<b>Airline kits part list</b>				
95	420213	T2 screw fitting	1	
96	540007	Quick T fitting	1	
97	61K094	90° bend fitting	2	
98	61K092	Outer hexagon nut	2	
99	430010	Washer	2	
100	61K091	Air hose fitting	2	
101	61K090	C type quick female fitting	2	
102	540009	Air hose	1	
103	420146	Quick male fitting	2	
104	520065A	Elastic air hose	2	
105	570027	Platform connecting accessory	1	



Item	Part#	Description	QTY	Note
<b>Parts For Cylinder</b>				
11-1	510008B	Main Cylinder	1	
11-2	520053	O- Ring	1	
11-3	520043	Head Cap(Main)	1	
11-4	520052	Support Ring	1	
11-5	520051	Y- Ring	1	
11-6	520050	Dust Ring	1	
11-7	510009B	Piston Rod (Main)	1	
11-8	520054	O- Ring	1	
11-9	520056	Support Ring	1	
11-10	520055	Y- Ring	2	
11-11	520045	Piston (Main)	1	
11-12	520049	Set Screw	1	
11-13	520047	Hex Nut	1	
11-14	530009	Burst valve	4	
<b>Parts For Secondly Cylinder</b>				
27-1	510010B	Secondly Cylinder	1	
27-2	520060	O- Ring	1	
27-3	520044	Head Cap (Secondly)	1	
27-4	201034	Bleeding Plug	2	
27-5	520058	O- Ring	1	
27-6	217078	Dust Ring	1	
27-7	510011B	Piston Rod (Secondly)	1	
27-8	520061	O- Ring	1	
27-9	520062	Support Ring	1	
27-10	520063	Y- Ring	1	
27-11	520046	Piston (Secondly)	1	
27-12	520049	Set Screw	1	
27-13	520048	Hex Nut	1	
<b>Parts for Control Cabinet</b>				
12-1	201094	Power Indictor	1	
12-2	420071	Button <b>UP</b>	1	
12-3	420071	Button <b>Lock</b>	1	
12-4	420072	Button <b>DOWN</b>	1	
12-5	52K001C	Control Panel	1	
12-6	420074	Power Switch (QS)	1	
12-7	52K007D	Cabinet Body	1	
12-8	420167C	Air line	2	
12-9	61K110	Straight Fitting	1	
12-10	209145	Cup Head Bolt	4	
12-11	420076	90° Fitting	2-1	
12-12	420142	Down Alarm Button K	1	
12-12A	420143	Buzzer	1	
12-12B	650017	Red Bu1tton(SB)	1	
12-13	52K056	Cup Head Bolt	4	
12-14	52K022	Cabinet Door	1	
12-15	52K006A	Install panel	1	

<b>Item</b>	<b>Part#</b>	<b>Description</b>	<b>QTY</b>	<b>Note</b>
12-16	620082	Terminal	1	
12-17	420087	Fuse base	3	
12-18	420086	Fuse(FU)	3	
12-19	420085	Fuse Cap	3	
12-20	61K052	Cup head bolt	19	
12-21	420135	Timer Relay Base	2	
12-22	420141	Intermediate Relay(KA)	1	
12-23	420083	Timer Relay(KT)	1	
12-24	420084A	AC Contactor (KM)	1	
12-25	440034	Thermal Relay(FR)	1	
12-26	420166	90° Fitting	1	
12-27	420077	Air Solenoid Valve(Y2)	1	
12-28	201034	Bleeding plug	1	
12-29	420134	Transformer (TC)	1	
12-30	540008	Protective Ring	2	

<b>Parts for Electric Power Unit 220V/60Hz/1 Phase</b>				
<b>Item</b>	<b>Part#</b>	<b>Description</b>	<b>QTY</b>	<b>Note</b>
1	81400180	Rubber Gasket	2	
2	81400130	Start Capacitor	1	
3	81400363	Motor Connecting Shaft	1	
4	81400369	Manifold block	1	
5	10209149	Spring Washer	4	
6	81400276	Inner hex iron plug	1	
7	81400259	Red Plastic Plug	1	
8	85090142	Hex Screw	4	
9	81400292	Gear Pump	1	
10	81400294	Relief Valve	1	
11	10209034	Spring Washer	2	
12	81400295	Hex Screw	2	
13	10209152	Ties	1	
14	85090167	Magnet	1	
15	81400290	Filter net	1	
16	10420152	Washer	4	
17	81400088	Run Capacitor	1	
18	420148	Cup Head Bolt With Washer	6	
19	81400066	Cover of Capacitor	2	
20	81400296	Nut	1	
21	81400459	Throttle valve core	1	
22	10209069	O-Ring	1	
23	81400266	Relief valve	1	
24	81400284	Inner hex iron plug	1	
25	81400420	<a href="#">solenoid valve winding</a>	1	
26	81400423	Electric release valve	1	
27	070002	Check Valve	1	
28	81400380	Oil suction pipe	1	
29	81400376	Oil Return Pipe	1	
30	81400364	Clamp	1	
31	81400365	O-ring	1	
32	81400263	Oil tank cap	1	
33	81400327	Oil tank	1	
34	81400438	Hex screw	4	
35	81400413	Motor	1	
36	81400287	Cover of motor terminal	1	
37	71111111	AMGO Power unit label	1	



## **AMGO HYDRAULIC CORPORATION**

1931 Jo Rogers Blvd, Manning, South Carolina, USA

Tel: (803) 505-6410

Fax: (803) 505-6410