

NBS35 Wheel Alignment Scissor Lift Operation Manual



Release No.: _____

Release Date: _____

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Special Instructions

- ▲ Any damage caused during packing and transportation shall be claimed by the purchaser to the carrier.
- ▲ Safety performance has been taken into account during design and manufacture. However, appropriate training and careful operation can enhance safety. The equipment cannot be operated or repaired without reading this manual.
- ▲ The power supply and current requirements marked on the motor shall be checked. Power connection shall be conducted by professional qualified electrician.
- ▲ The equipment may be partially modified without prior notice. And we will not be held responsible for any update of sold products.
- ▲ Please carefully read the manual and fill in the Warranty Card and deliver it to the dealer and our company for documentation. Otherwise, it will be deemed as automatic waiver of enjoying corresponding service, and user shall bear the consequence themselves.
- ▲ The equipment shall not be used to raise any load exceeding rated lifting weight by 4 tons. The allowable bearing on each board cannot be more than 1.75 tons.
- ▲ Read carefully warning marks on the equipment.

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一、 General Introduction of NBS35 Wheel Alignment Scissor Lift

NBS35 Wheel Alignment Scissor Lift is a new product launched by our company. This product makes use of advanced electro-hydraulic control technology. It is easy to operate and applicable to entire vehicle maintenance and Cleaning of import vehicles, limousines and minivans weighing no more than four tons, with main features as follows:

1. The master–slave synchronic hydraulic system is adopted for both the primary platform and the lifting table.

2. The integrated emergency lowering device allows the lift to be lowered in the event of the power failure.

3. Thread connections are used for all hydraulic cylinders, which is easy for maintenance.

4. High-position cylinder protection system and low-position protection system are established, with limit switches for feedback control.

5. There is no mechanical connection between platforms, increase the working area.

6. Electro-hydraulic control system is safe and reliable, integrated control panel is easy to be maintained, and all operations can be done by push buttons.

7. The high quality self-lubricating bearings provide for reliable functioning and a long lift cycle.

8. Powder coated.

9. Control voltage is 24V (safe voltage).

10. The platform can be lowered completely into the pit, flat with the ground. The removeable blocks are adjustable, so the turning radius gauges can be used for adoption to vehicles of different wheelbases.

11. Both the cylinders of the primary platform and the lifting table are equipped with the pneumatic release devices, they ensure precise axle measurement and safety in use.

12. The lifting tables are equipped with extended arm of stepless regulation, satisfies the demands of vehicles with different wheelbases.

13. Optional fluorescent lamp module offers illumination for vehicle maintaining service.

二、 Notices to Maintenance and Check of NBS35 Wheel Alignment Scissor Lift

Daily Maintenance and Check

1. Check safety lock audibly and visually while in operation.
2. Check safety latches for free movement and full engagement with rack.
3. Check hydraulic connections, and hoses for leakage.
4. Check chain connections – bends, cracks, and loose links.
5. Check cable connections – bends, cracks and looseness (two post lift and four post lift).
6. Check for frayed cables in both raised and lowered position (two post lift and four post lift).
7. Check snap rings at all rollers and sheaves.
8. Check bolts, nuts and screws, and tighten if needed (including those in the hydraulic part).
9. Check wiring and switches for damage.
10. Make sure that the input power is equipped with safe grounding line, and check whether grounding of the lift is tight to ensure reliable grounding.
11. Check whether the sensor works as required.
12. Keep base plate free of dirt, grease or any other corrosive substances.
13. Check floor for stress cracks near anchor bolts.
14. Check the arms, and replace the ones which droops seriously (two post lift)

15. Make sure that mating of arm locks are reliable while working (two post lift)

16. Any part of the lift should be fastened securely, and no part is allowed to come loose or fall off.

Weekly Maintenance and Check

1. Check for any loose anchor bolts. Retighten as necessary. Do not use an impact wrench.

2. Check floor for stress cracks near anchor bolts.

3. Check hydraulic oil level.

4. Check and tighten bolts, nuts and screws (including those in the hydraulic part).

5. Check all cable sheaves/assembly for free movement or excessive wear on cable sheave shaft (two post lift and four post lift).

6. If any chain structure is involved, check the cylinder pulley devices to find out whether there are wears and tears in the cylinder connection boards and the pulley pins.

Yearly Maintenance and Check

1. If any chain structure is involved , lubricate the chains.

2. Grease the areas where the slide blocks run.

3. Change hydraulic oil.

Suggestions and Points for Attention

1. When install the fittings to the ports of the power unit, the torque wrench is required, with torque between 24 and 28 NM so as to avoid damage of the valve guide.
2. The user is required to use high-quality hydraulic oil in the original packing and change it regularly. Any dirty or recycled hydraulic oil is forbidden.
3. It is suggested to lubricate all the movable parts to effectively improve the performance of the lift.

Note: Any article without reference to the model is applicable to the maintenance and check of lifts of all the models.

三、 Operation Instruction of NBS35 Wheel Alignment Scissor Lift

1. Daily inspect your lift. Never operate if it malfunctions or it has broken or damaged parts. Use only qualified lift service personnel and genuine Rotary parts to make repairs.

2. Thoroughly train all employees in use and care of lift, using manufacture's instructions supplied with the lift.

3. Never allow unauthorized or untrained persons to position vehicle or operate lift.

4. Prohibit unauthorized persons from being in shop area while lift is in use.

5. Do not permit anyone on lift or inside vehicle when it is either being raised or lowered.

6. Always keep area around lift free of tools, debris, grease and oil.

7. Never overload lift. Capacity of NBS35 lift is 3500kg, 1750kg per platform.

8. Do not stand in front of the lift or vehicle while it is being positioned in lift bay.

9. Before driving vehicle into lift bay, be sure lift is fully lowered.

10. Load vehicle on lift carefully. Check for secure contact with vehicle. Raise lift to desire working height.

11. Do not go under vehicle if safe locking latches are off-line.

12. Do not block open or override self-closing lift controls; they are designed to return to the "off" or neutral position when released.

13. Remain clear of lift when raising or lowering vehicle.
14. Always lower lift completely and disconnect power source before disconnecting hydraulic lines.
15. Avoid excessive rocking of vehicle while on lift.
16. Clear area if vehicle is in danger of falling.
17. Completely lower lift before removing vehicle from lift area.
18. Release safe locking latches before attempting to lower lift.
19. If the lift stops automatically when it is in motion, check the photoelectric switch. Don't operate the lift before the photoelectric switch returns to the normal state.
20. Normal operating temperature range is 7°C (45° F) to 38°C (100° F).

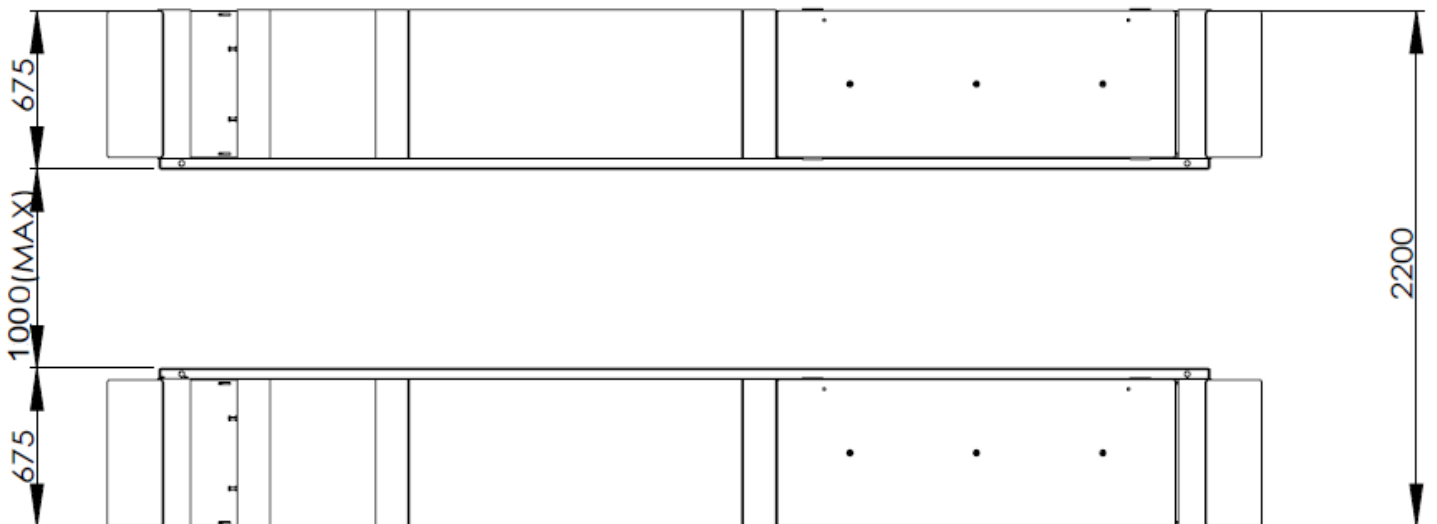
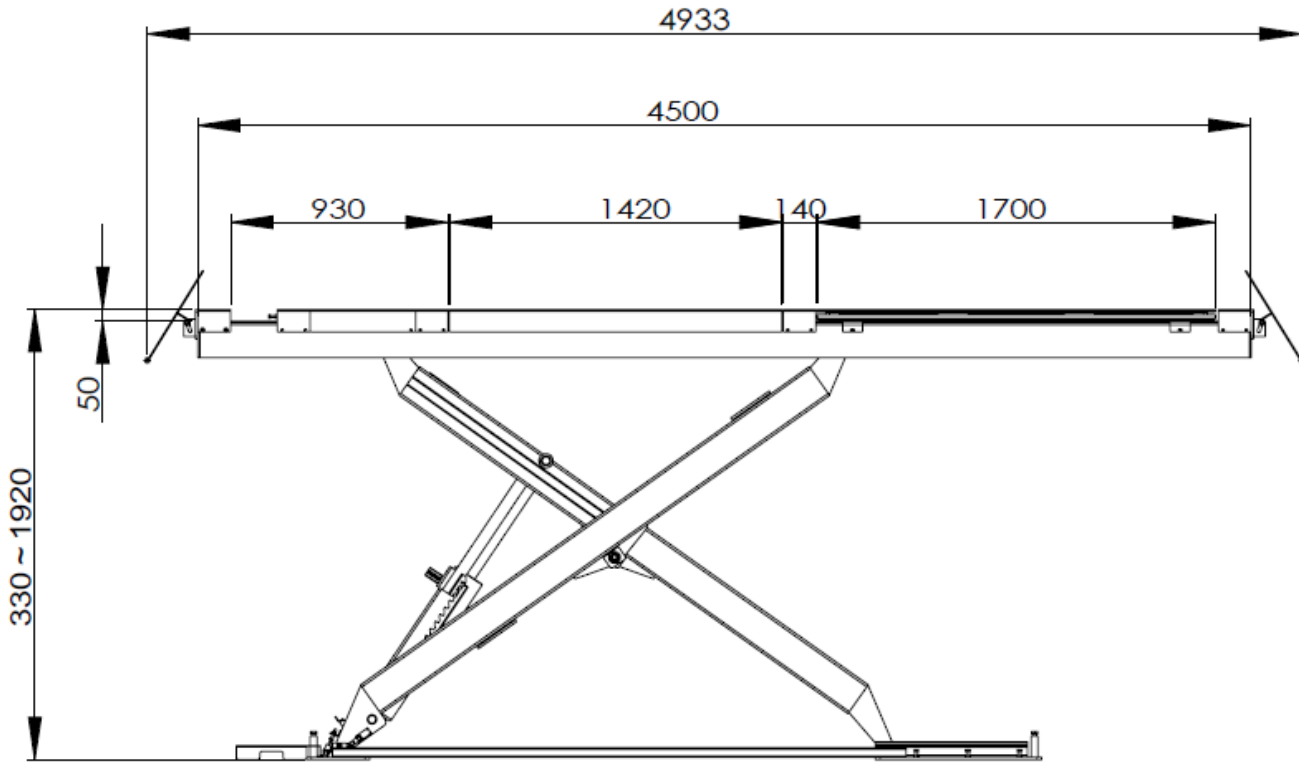
四、Basic Parameters and Parameter diagram of NBS35 Wheel Alignment Scissor Lift

1. Basic Parameters

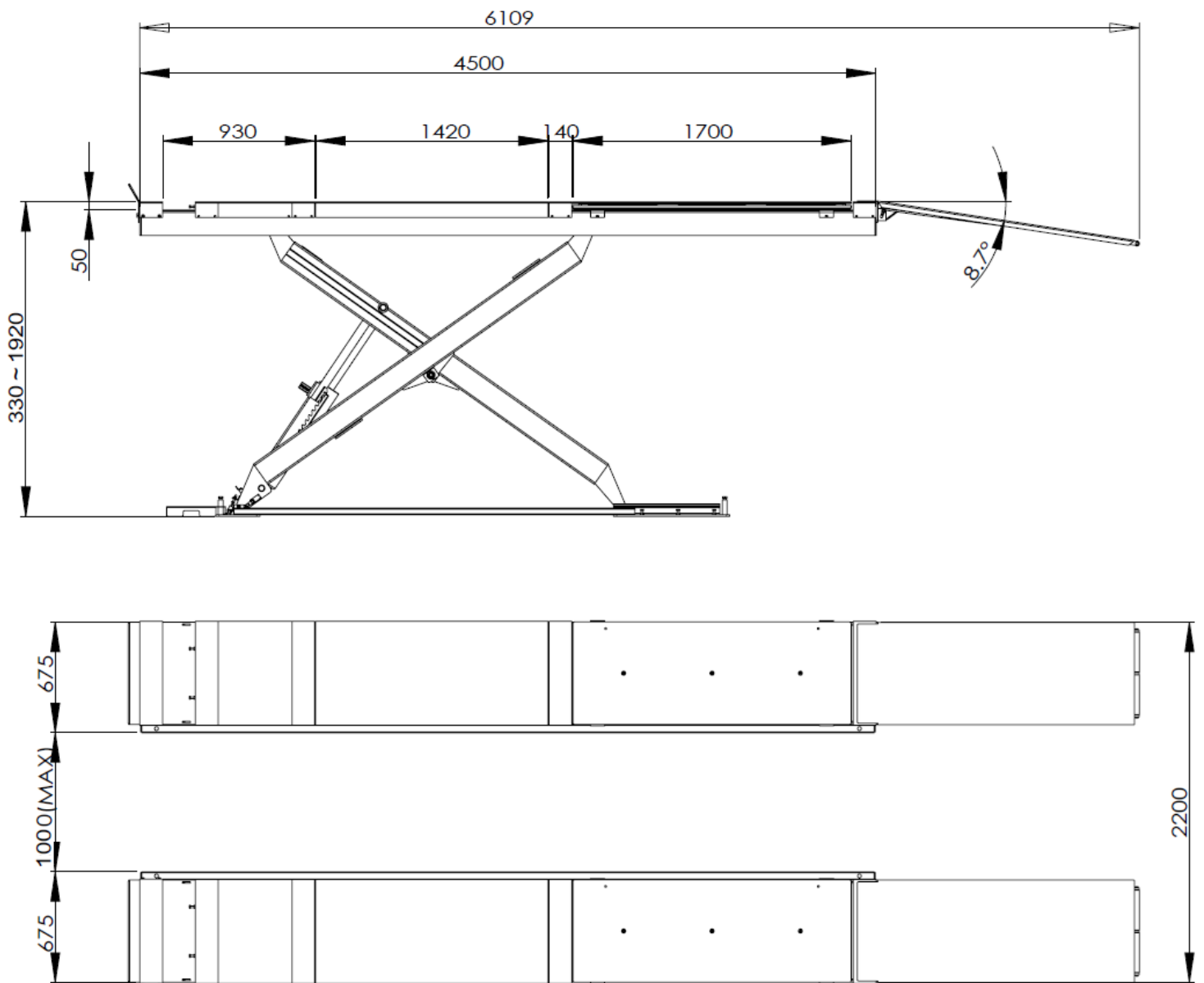
No.	Parameter Names	Parameter Values
1	Capacity	3500Kg
2	Stroke	1920mm
3	Ascent/rest height	330mm
4	Overall length	4989mm
5	Overall width (max)	2350mm
6	Platform length	4500mm
7	Platform width	625mm
8	Motor performance	3KW
9	Electrical connection (3 phase)	380V/50Hz
10	Compressed air connection	6~8Bar

2. Parameter diagram

In ground version



Surface mounted



五、 Installation and Adjustment of NBS35 Wheel Alignment Scissor Lift

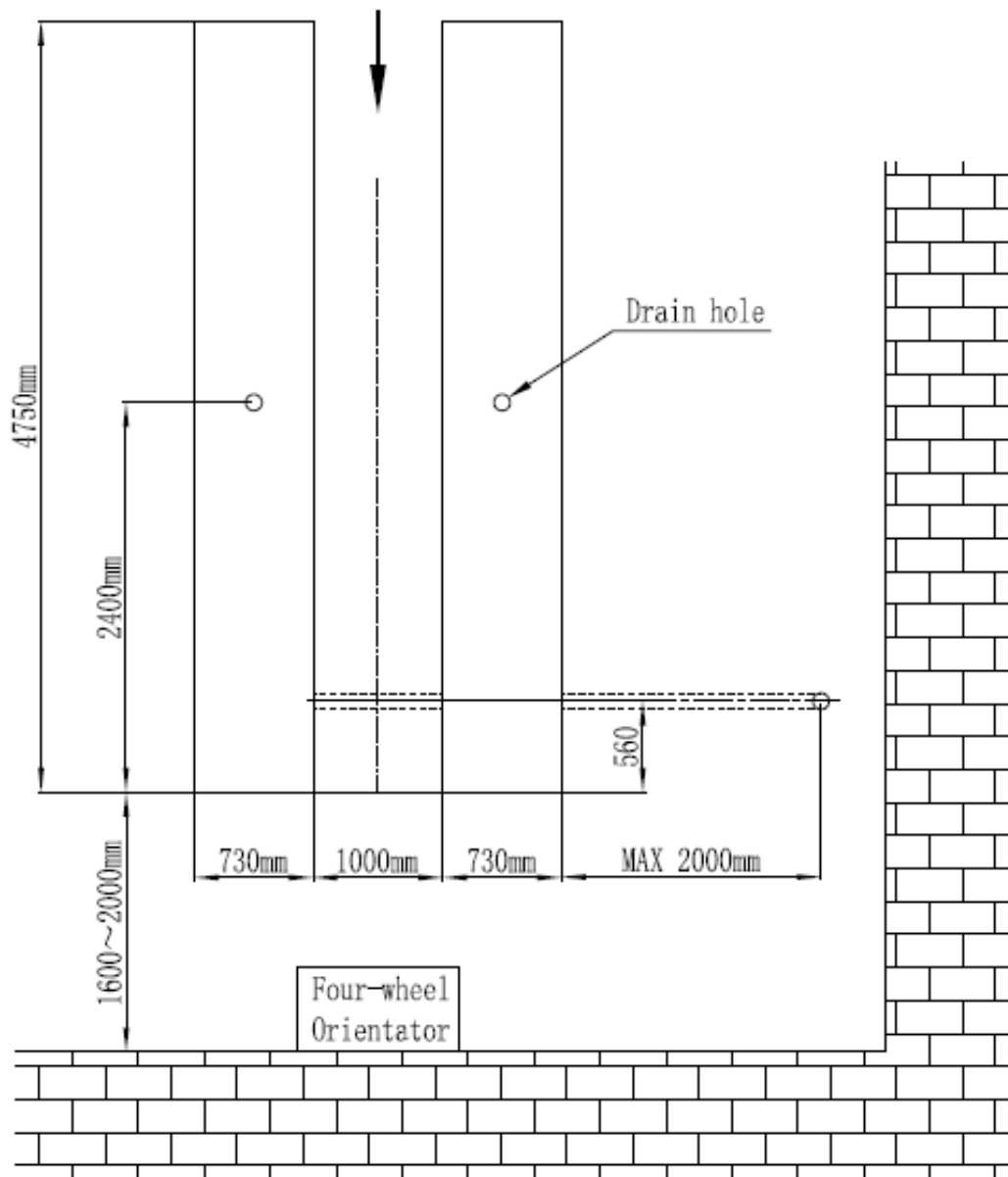
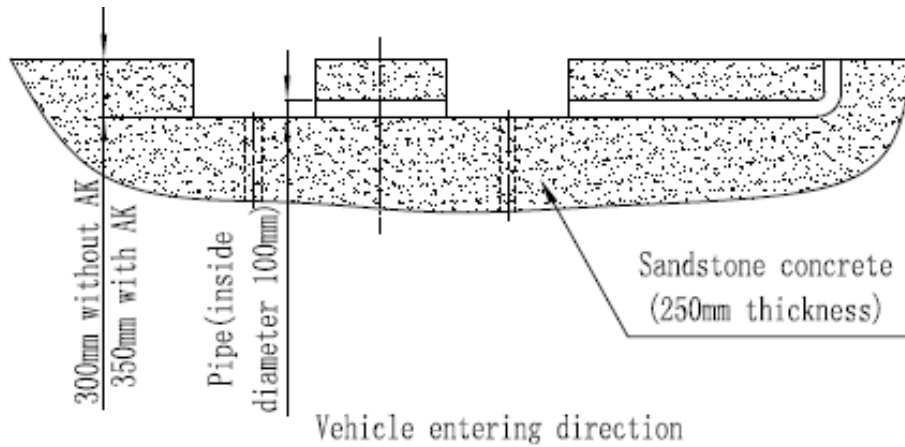
(一) Pre-Installation Preparation

1. Installation Environment

The equipment should be installed indoors without dust or any other pollution but with full illumination. The control box should be placed in the safe area.

2. Foundation Preparation

Make the foundation ready for installation in accordance with the foundation drawing. It is critical that the foundation be horizontal, and don't rely too much on horizontal adjustment of the equipment. Thickness and strength of concrete foundation is equally significant, which should be 250mm thick and no less than C20 in strength. It is only after one-week concrete curing that the equipment can be installed. The tolerance of the level of the two pits should be no more than 5mm. The user can adjust the distance between two pits according to the vehicle, but no more than 1000mm.



- Note:
1. Foundation concrete is C20
 2. The level tolerance of two pits $\leq 5\text{mm}$
 3. User can adjust the distance between two pits according to the vehicle, but not more than 1000mm

(二) Transport to the installation location

1. The transport can be performed with a forklift or a crane. When transport with a crane, ensure that the machine does not sway to heavily.

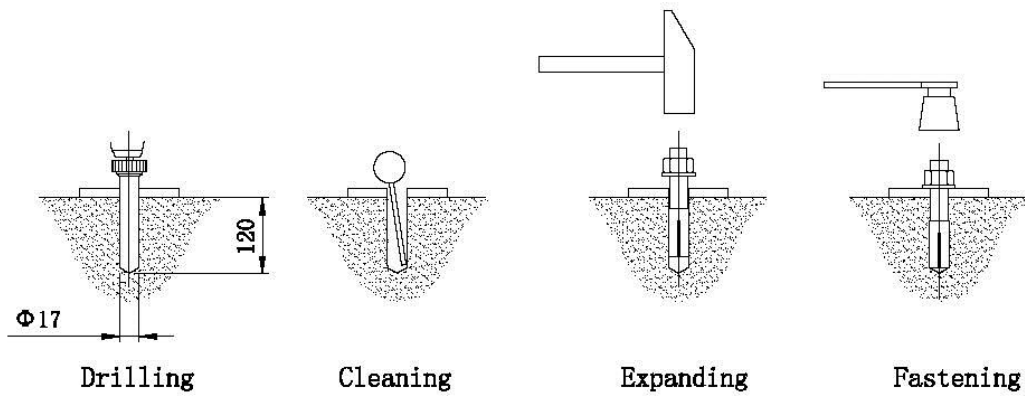
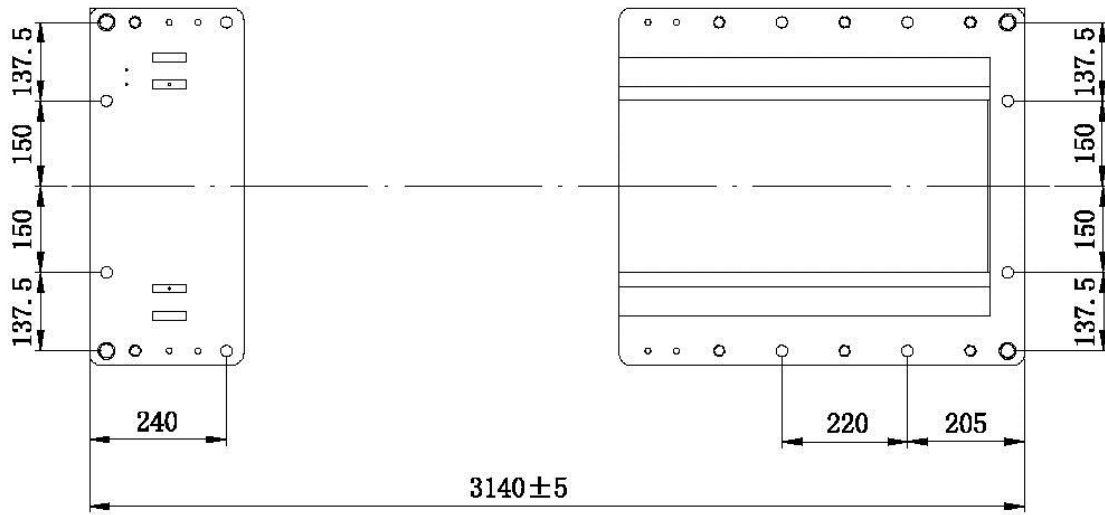
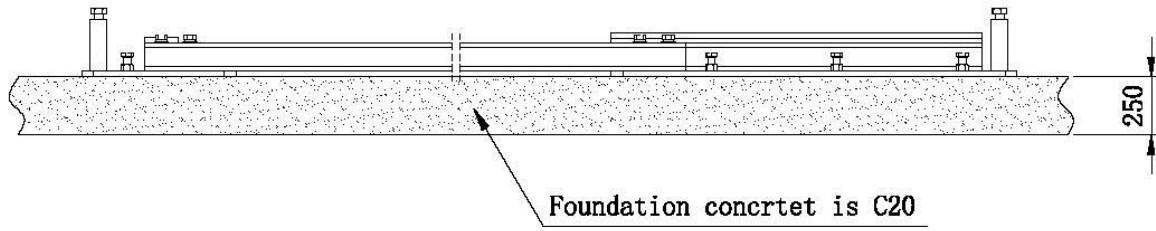


2. Open the packages to check whether any part is omitted or damaged in transportation.

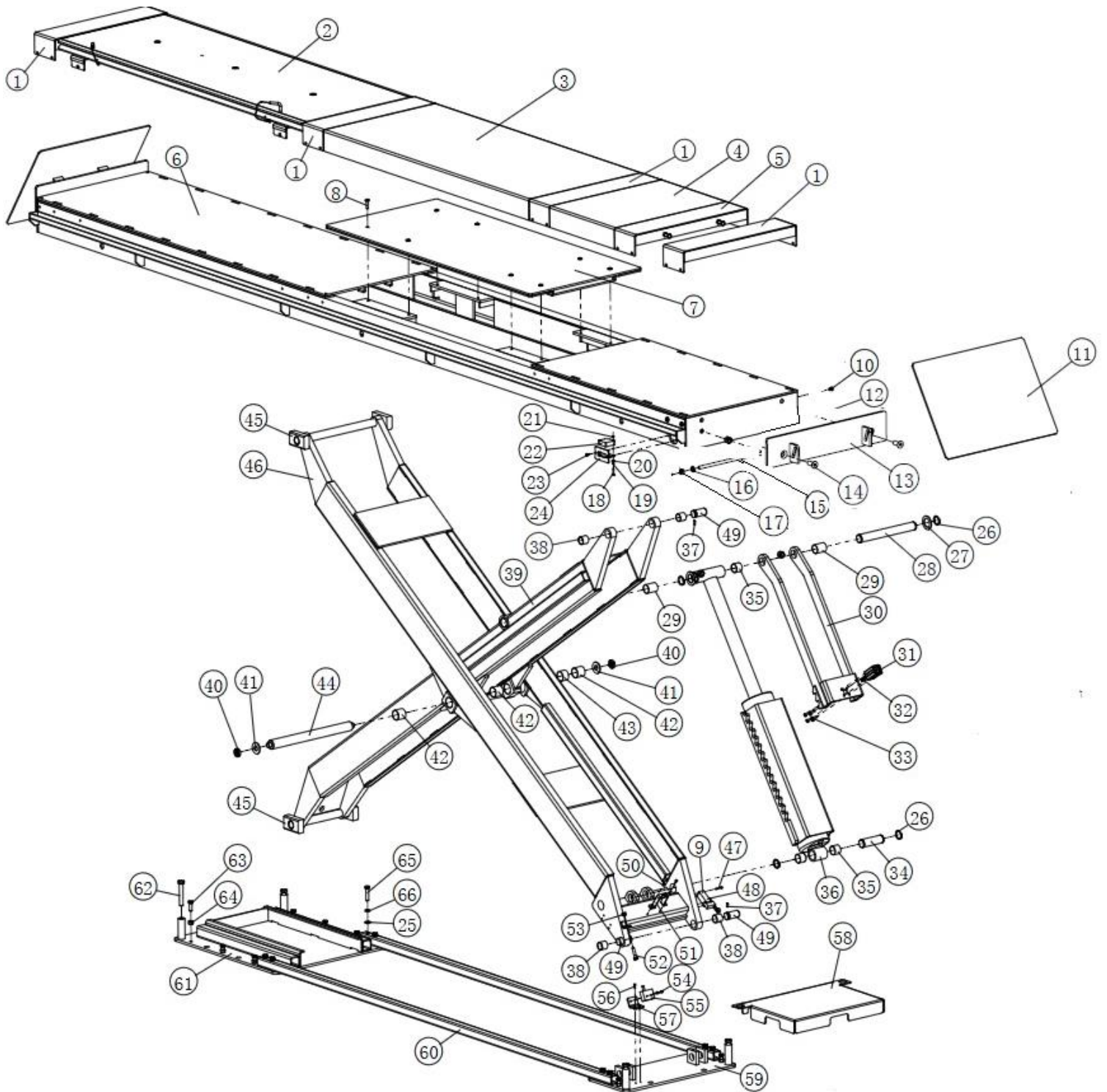
3. Measure the underframe of the lift and transfer the measurements to the installation site.

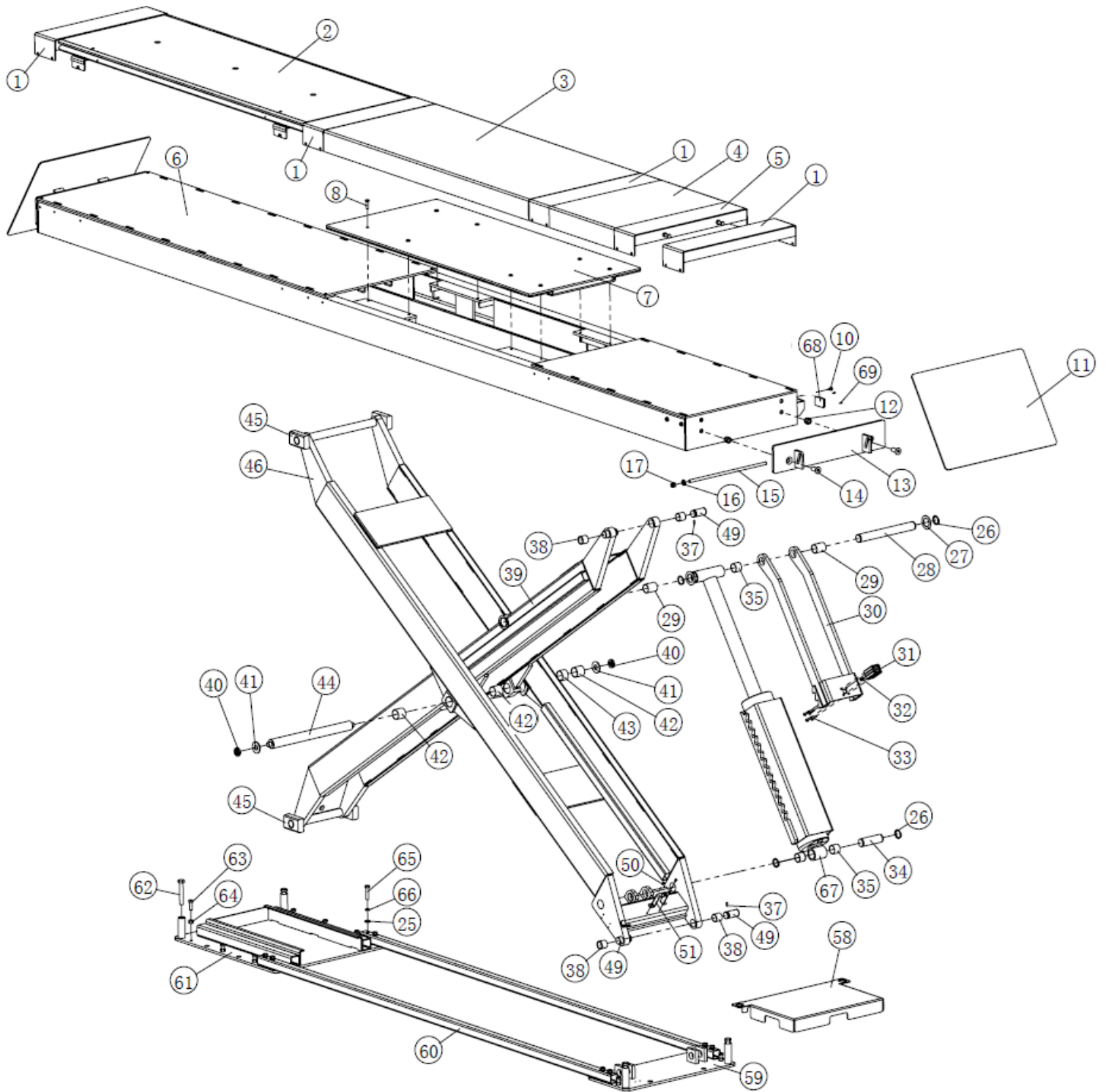
4. Place the lift on the installation site, with the turning radius gauges in the front direction where the vehicle enters in, and the side of platform with sliding groove on the inside of the lift.

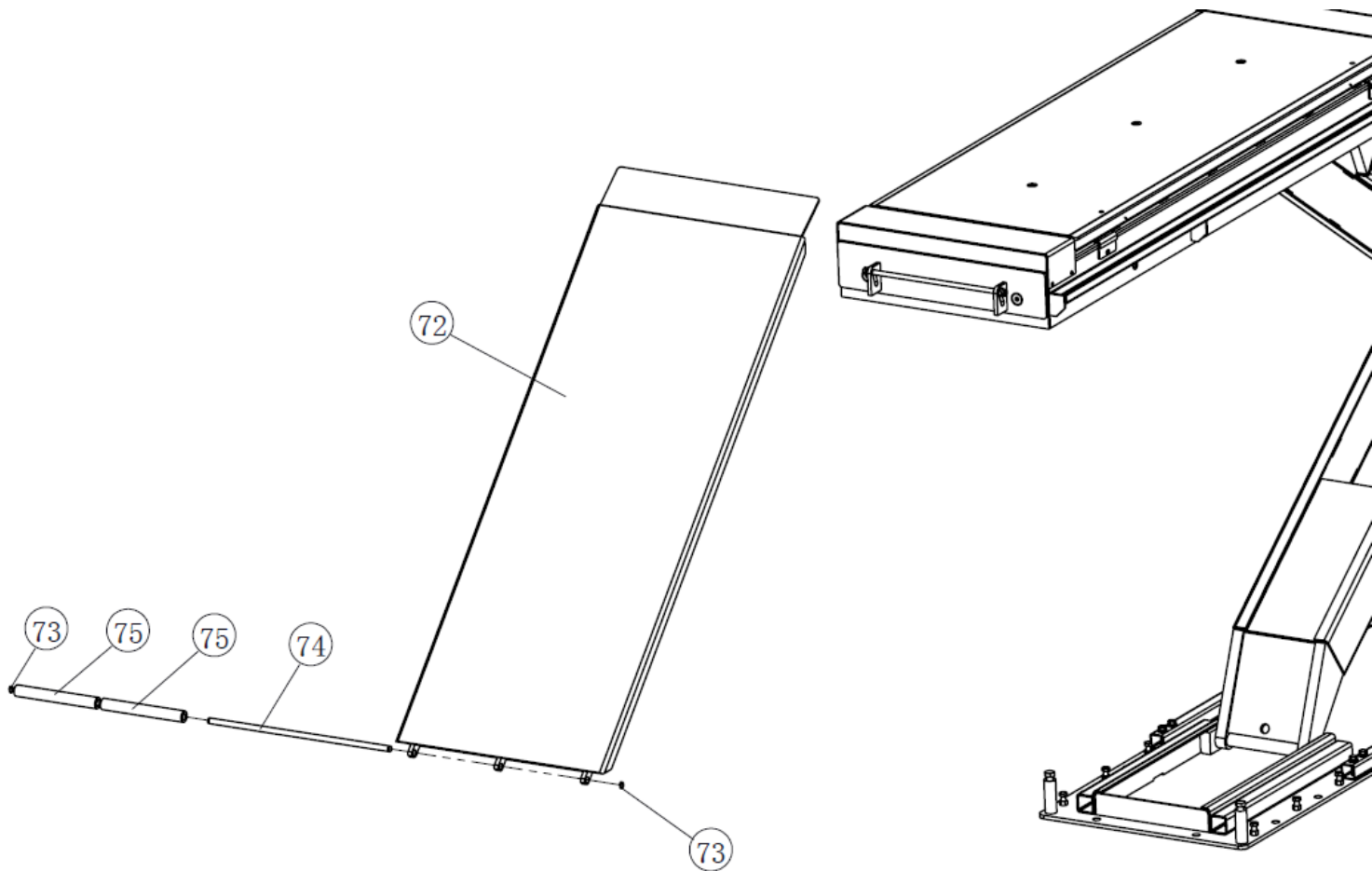
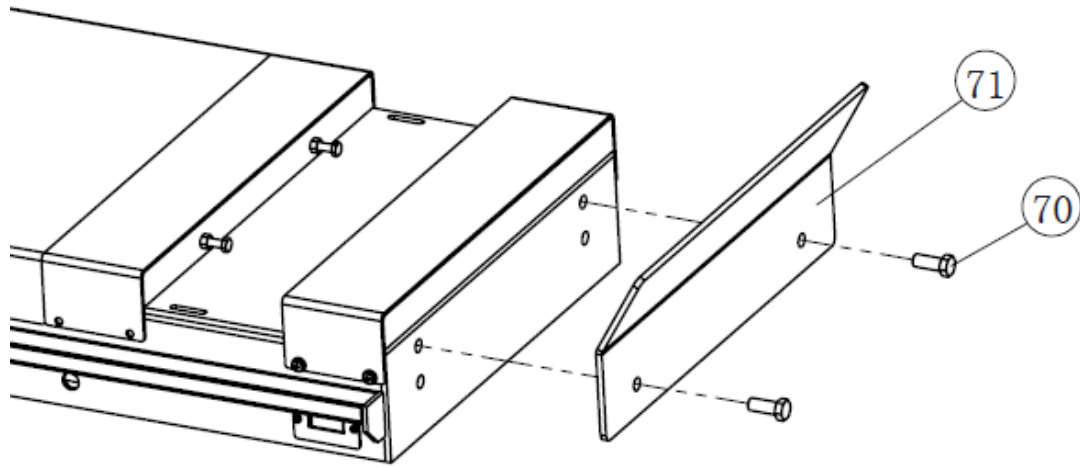
5. Place the control box in a location ensuring the operator has a clear view of the load and the lift, and ensure that the operator has avenues of escape if a danger arises.

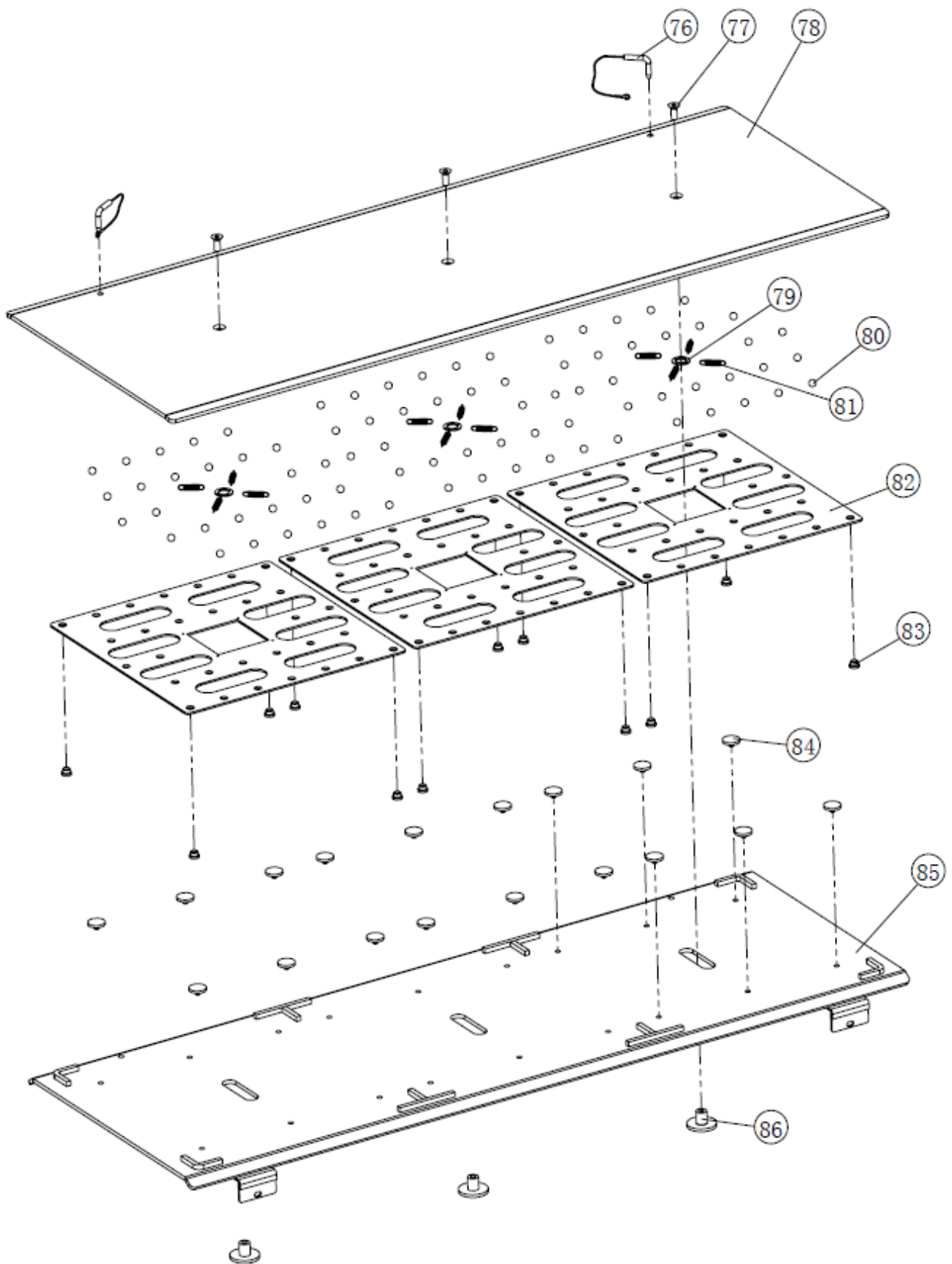


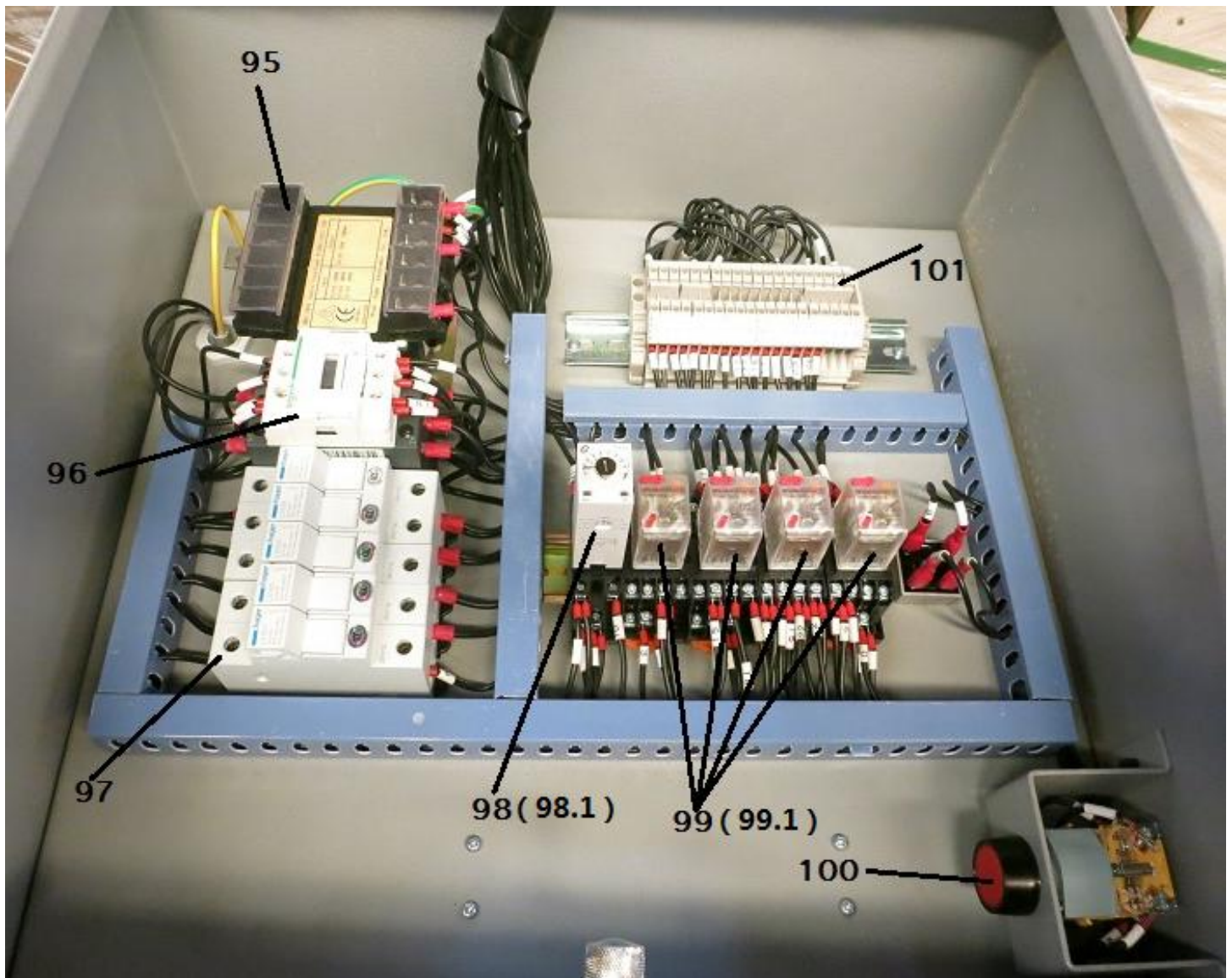
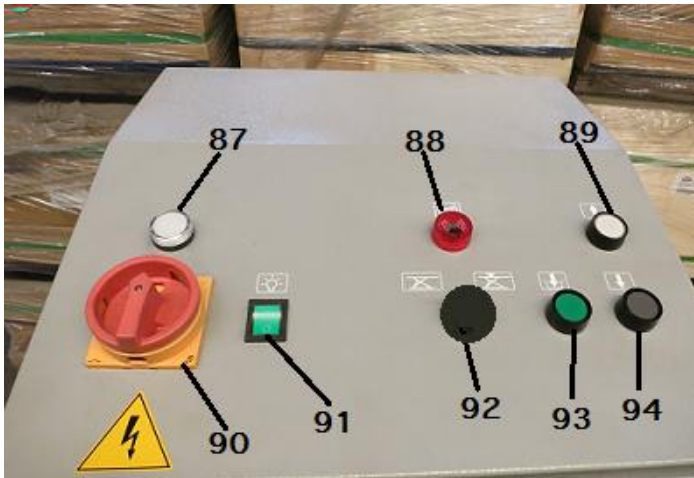
Parts Breakdown











ITEM	DRAWING	DESCRIPTION	QTY
1	HBS40-1510	Filler plate	8
2	HBS40-1400	Slip plate assembly	2
3	HBS40-1540	Filler plate	2
4	HBS40-1530	Filler plate	2
5	HBS40-1520	Filler plate	2
6	HBS40-1200	Runway weldmet	1
7	HBS40-1610	Cover plate	2
8	B20-10×35	Bolt M10×35	16
9	AZ-8108	Low-position limit switch	1
10	B201-10×35	Bolt M8×10	40
11	HBS40-1310	Slope plate weldment	4
12	B331-16	Nylon nut M16	8
13	HBS40-1320	Slope connection plate weldment	4
14	B26-M16×10	Bolt M16×10	8
15	HBS40-1301	Threaded rod	4
16	B41-12	Washer Φ12	8
17	B331-12	Nylon nut M12	8
18	B23- M4×25	Cross Recess Head Screw M4×25	2
19	B40-4	Spring washer	2
20	B41-4	Washer Φ4	2
21	B30-4	Nuts M4	2
22	E3JK-R4M2/AC24V	Photoelectric switch	1
23	B23- M5×12	Cross Recess Head Screw M5×12	2
24	PV4-1814	Angle iron	1
25	B41-12	Washer Φ12	16
26	B60-40	Shaft circlip Φ40	8
27	HBS40-3009	Gasket	4
28	HBS40-3003	Shaft	2
29	3550SF-1	Bearing	4
30	HBS40-3300	Lock weldment	2
31	CQ2B25-25S	Air cylinder	2
32	HBS40-3008	Cylinder grinding head	2
33	B25A-6×35	Bolt M6×35	8
34	HBS40-3004	Shaft	2
35	3530SF-1	Bearing	8
36	HBS40-9100M	Master cylinder	1
37	B22-6×15	Stopper screw	8
38	3030SF-1	Bearing	8
39	HBS40-3200	Outside leg weldment	2
40	XG130007	Nut	4
41	HBS40-3006	Gasket	4
42	4040SF-1	Bearing	8

43	4030SF-1	Bearing	4
44	HBS40-3002	Shaft	2
45	HBS40-3001	Siding block	8
46	HBS40-3100	Outside leg weldment	2
47	B23- M4×30	Cross Recess Head Screw M4×30	4
48	AZ-8108	Low-position limit switch	1
49	HBS40-3004	Shaft	8
50	B23- M5×12	Cross Recess Head Screw M5×12	4
51	HBS40-3007	Connection seat	2
52	GB/T5781-2000	Hexagonal head bolt M10×50	2
53	GB/T41-2000	Hex nut M10	2
54	GB/T818-2000	Cross Recess Head Screw M4×30	4
55	AZ-7310	High-position limit switch	2
56	B23- M4×14	Cross Recess Head Screw M4×14	4
57	HBS35-2302	Limit connection plate	1
58	HBS40-2401	Cover	2
59	HBS40-2100	Fixed base weldment	2
60	HBS35-2301	Connection pipe	4
61	HBS40-2200	Slide base weldment	2
62	GB/T2672-1986	Hexagon pan head screws M16×80	8
63	GB/T5781-2000	Hexagonal head bolt M12×35	16
64	GB/T41-2000	Hex nuts M12	16
65	GB/T5781-2000	Hexagonal head bolt M12×55	16
66	B40-12	Spring washer Φ12	16
67	HBS40-9100S	Slave hydraulic cylinder	1
68	E3JK-R4M2/AC24V	Photoelectric switch	1
69	GB/T818-2000	Cross Recess Head Screw M4×10	2
70	GB/T2672-1986	Hexagon pan head screws M16×50	8
71	HBS35-1130	Wheel stop	2
72	HBS35-1710	Ramp	2
73	GB/T894.2-1986	Shaft circlip Φ15	4
74	PV4-1602	Shaft	6
75	PV4-1601	Nylon pipe	8
76	H4P-7500	Pin	1
77	B26- M12×30	Bolt M12×30	6
78	HBS40-1430	Slip plate	2
79	SM60-1522	Plate	6
80	SM60-1315	Plastic ball	234
81	SM60-1316	Spring	24
82	HBS40-1420	Plate	6
83	SM60-1521-1	Plastic washer	24
84	SM60-1521	Big plastic washer	36
85	HBS40-1410	Slip plate	2

86	SM60-1312	Fix nut	6
87	AD16-22/W23	Power light	1
88	AD16-22SM/R	Buzzer	1
89	LA39-A2-13/W	Up button	
90	LW42B25-1017/LF101	Power switch	1
91	KCD1-201N/5A/AC250V	Light switch	1
92	ZB2SZ3	Stoppie	1
93	LA39-A2-21/G	Lock button	1
94	LA39-A2-31/K	Down button	1
95	JBK3-400/380/230V/24V	Transformer	1
96	LC1-D18B7	A. c. contactor	1
97	LS501	Fuse protector	5
98	REXL2TMB7	Time relay	1
98.1	RXZE1M2C	Base time relay	1
99	DRM570524LT	Intermediate relay	4
99.1	FS4C0EC0	Base intermediate relay	4
100	LA39-A2-20/R	Intervention button	1
101	DK2.5-24/HBS40	Terminal strip	1
102	3V210-06DC24V	Air vavle	1
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	GB/T818-2000	Cross Recess Head Screw M4×30	
	XG120096	Hose cover	
	HBS35-1720	Extended ramp	
	F40-M16×150	Expansion bolt	16

(三) Hydraulic circuit installation

1. Raise the lift to a certain height (where it is appropriate for installers to work in the pits) with a crane or other proper tools, ensure the safe locking latches are in-line, and secure it with the wood blocks or other tools.

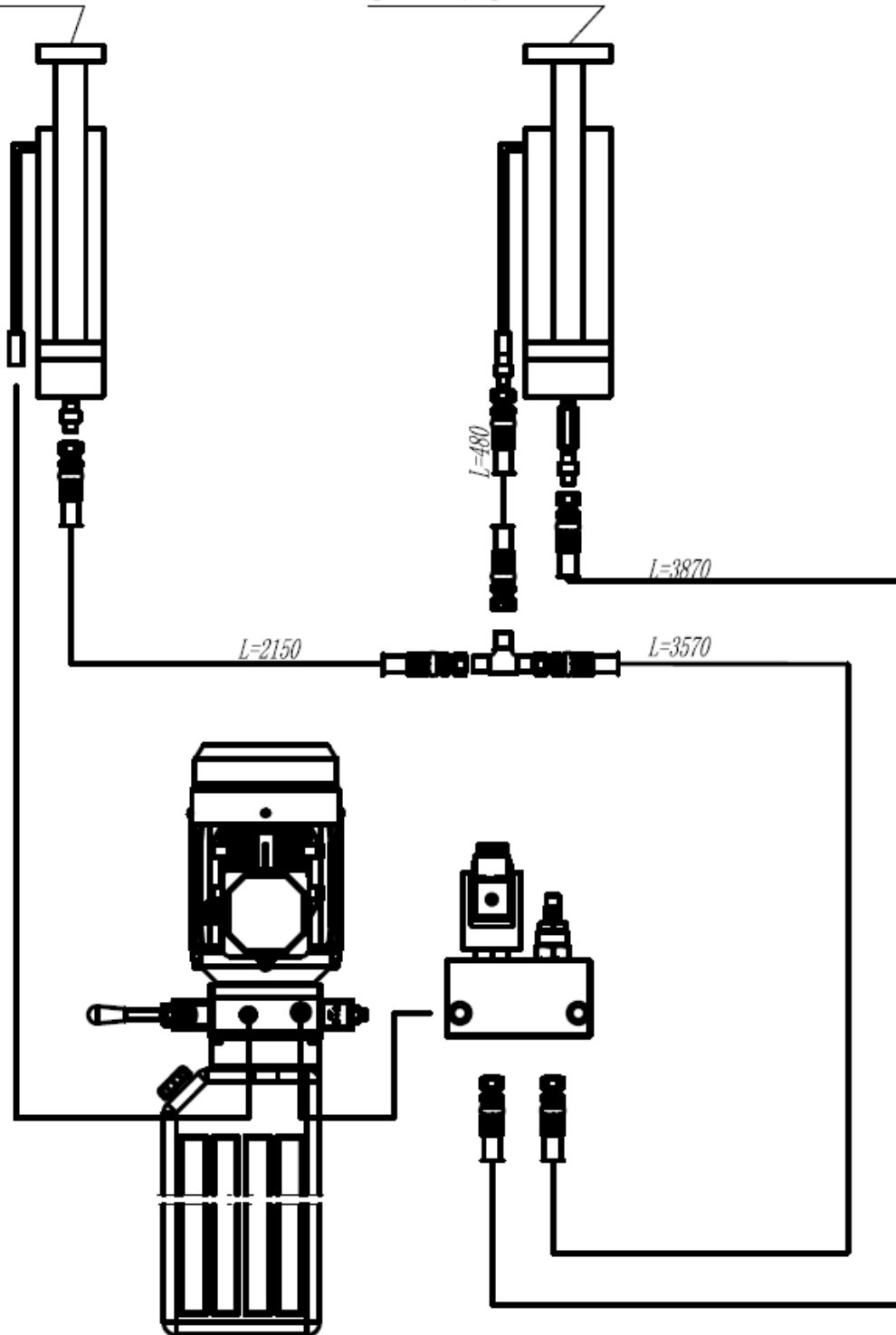


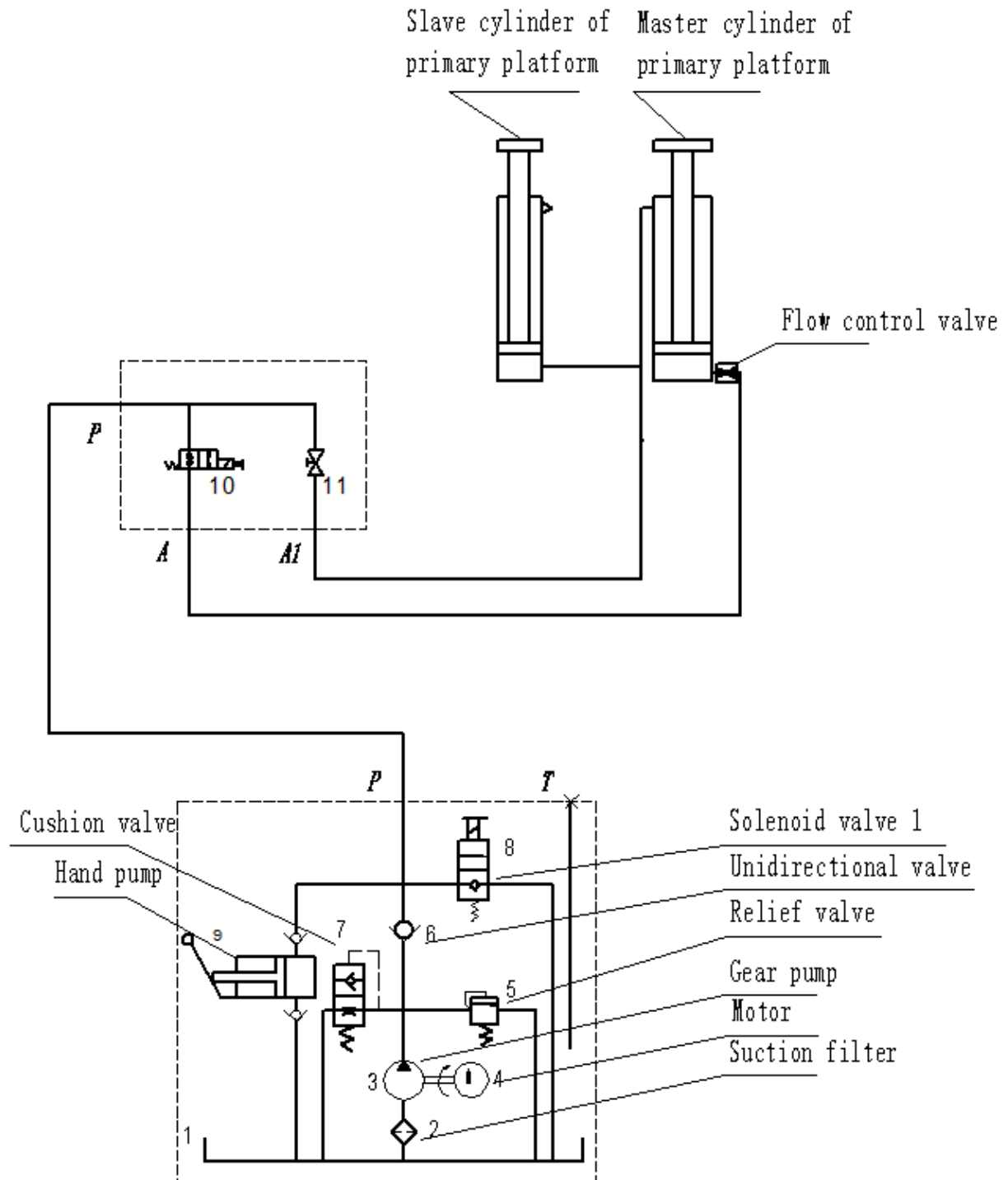
2. Connect the remaining hydraulic hoses and fittings (during the connection, please protect the hoses and fittings, preventing odds and ends such as sandy soil from entering the hydraulic circuit) according to Hydraulic Circuit Installation Diagram and Hydraulic Schematic.

3. Fill 20L HM32 or HM46 antiwear hydraulic oil into the oil tank (the users provides the hydraulic oil for themselves), with the oil level 10mm lower than the top of the oil tank at the least and 30mm at the most (which can be checked with the stock rod on the air shield on the filling mouth of the oil tank). If the oil is insufficient during the process of debugging or use, please fill in some according to the actual situation.

Slave cylinder of primary platform

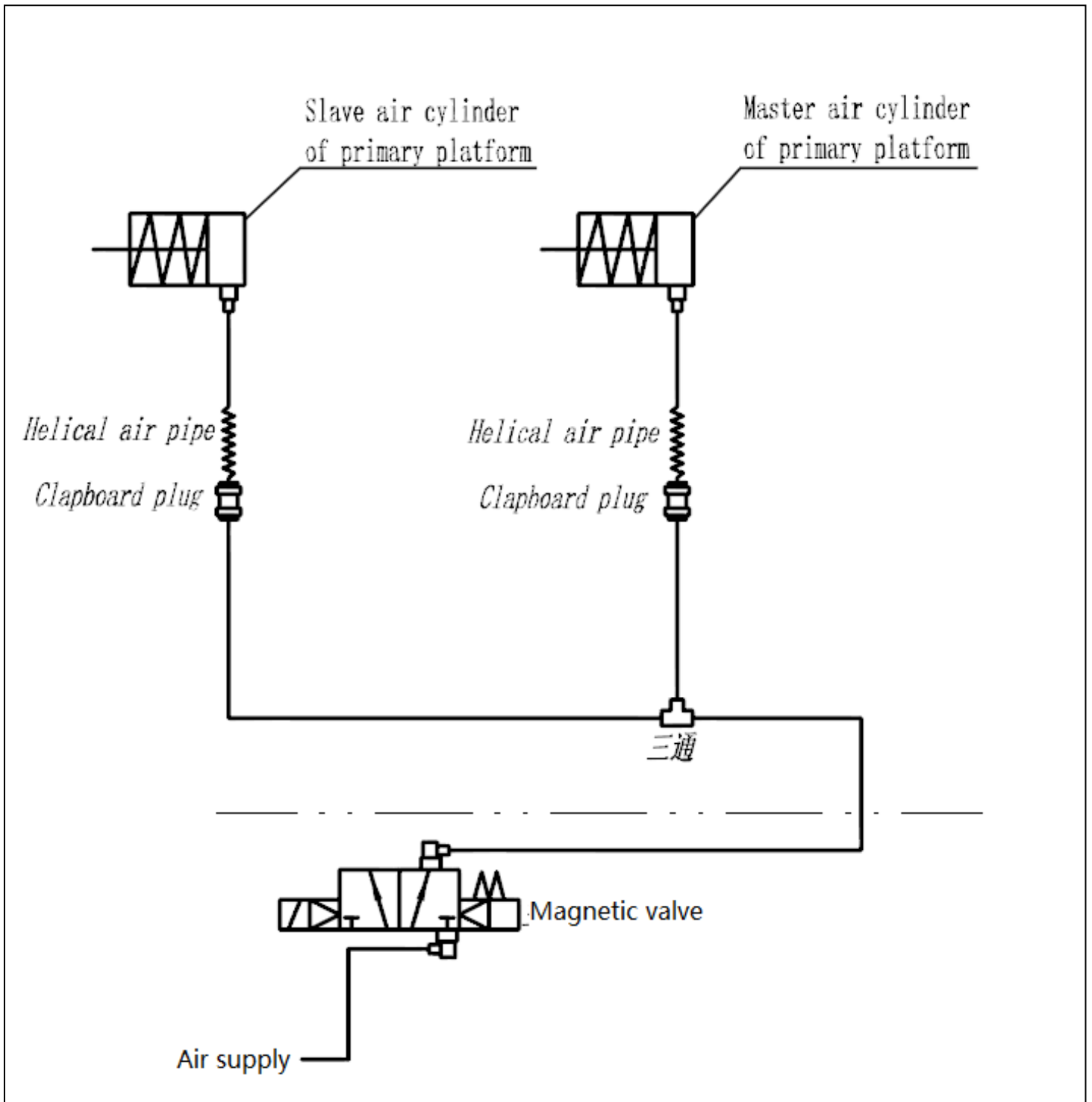
Master cylinder of primary platform

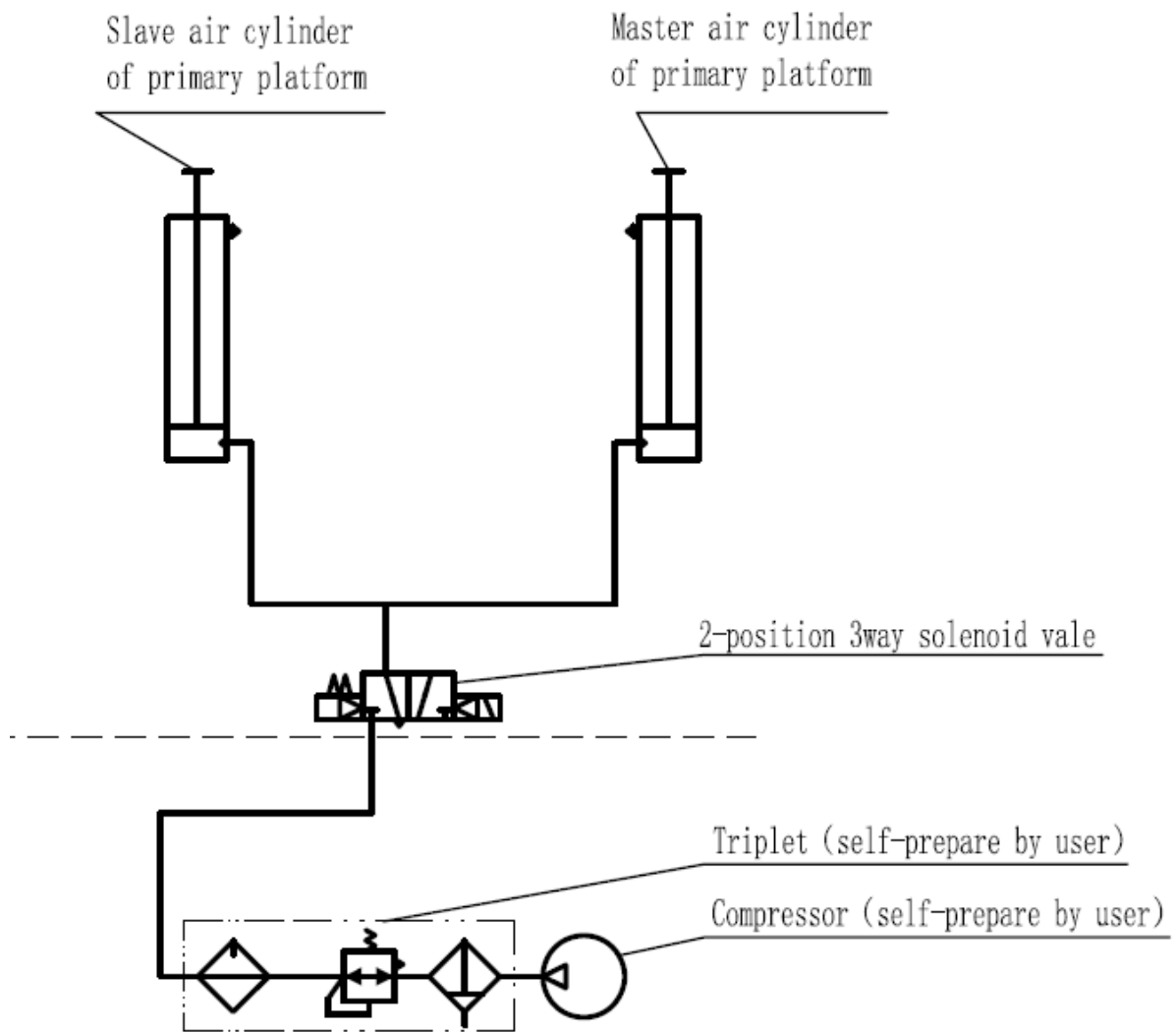




(四) Pneumatic Circuit Installation

Connect the pneumatic circuit in accordance with Pneumatic Circuit Installation Diagram and Pneumatic Schematic. The intake pipe is linked up to the air source with pneumatic triplet (offered by the user himself). The gas source pressure ranges from 6 to 8 Bar.





(五) Electrical installation

1. Connect power incoming line according to Electric Schematic, of which three black ones are phase lines, the light blue one is zero line and the one in yellow and green is earth wire. Grounding of the control box should be reliable.

2. Check the numbers of the corresponding lines in accordance with the Electric Schematic. Connect the 4-core plug-in unit of a photoelectric switch, the 2-core plug-in unit of a high-position limit switch, and the 2-core plug-in unit of a low-position limit switch with each other. Turn the high-position limit switch and the low-position limit switch on the open mode, so they will not work when refilling and level adjusting.

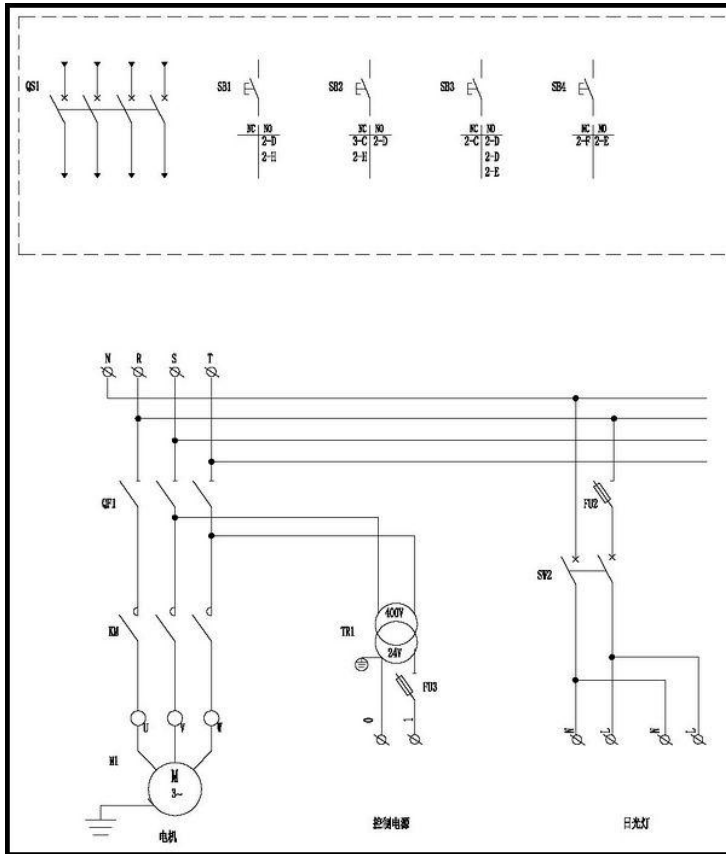
Requirements:

1. High electrical voltage, only trained professional electricians may work on the electrical system.

2. Wiring must be done in a reasonable way.

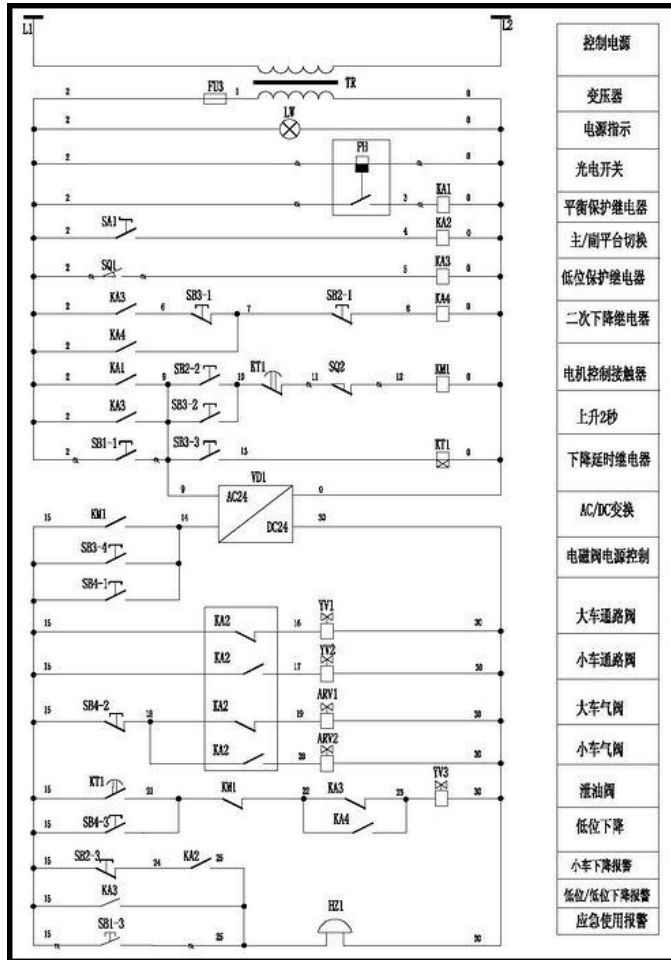
3. It is necessary to fix up a sealed and reliable distribution box.

4. Check the data plate of the motor for proper power supply.



SB1	Emergency switch
SB2	Up button
SB3	Down button
SB4	Latch button
SQ1	Low-position limit switch
SQ2	High-position limit switch
ARV1	2-position 3-way solenoid valve
ARV2	2-position 3-way solenoid valve
YV1	Solenoid valve for primary platform
YV2	Solenoid valve for lifting table

YV3	Lowering valve
QS1	Power switch
KA1	Relay for photoelectric balance protection
KA2	Relay for exchange between primary platform and lifting table
KA3	Relay for low-position protection
KA4	Relay for final lowering
KT1	Time relay
QF1	Over-current protective device
FU2	Illumination over-current fuse (2A)
FU3	Control power over-current fuse (6A)



QF	Over-current protective device
1-3FU	Fuse holder
KM1	Alternating current contactor
SB1	Emergency button
SB2	Up Button
SB3	Down button
SB4	Latch button
SA1	Exchange button
KA1	Relay for photoelectric balance protection

KA2	Relay for exchange between primary platform and lifting table
KA3	Relay for low-position protection
KA4	Relay for final falling
KT1	Time relay
HZ1	Beeper
SQ1	Low-position limit switch
SQ2	High-position limit switch
VD1	Bridge rectifier
PH	Photoelectric switch

(六) Refilling and Level Adjustment of the Primary Platform

1. Turn the switch on the cover plate of the control box to the position with “ON”.
2. Open the throttle valve controlling refilling of the primary platform, and keep pressing emergency button and up button till both primary platforms rise to the highest. If the platforms don't raise but the motor runs, check the motor for proper direction of rotation and switch the phases on the power supply line if necessary.



throttle valve
controlling refilling
of the primary
platform



3. Keep pressing emergency button and down button till both the primary platforms fall to the lowest.
4. If the two primary platforms are unbalanced during the operation, please repeat procedures 3 and 4 for several times till they are balanced. And then close the throttle valve controlling refilling of the primary platform.

(七) Limit switch adjustment

1. Adjust the bolt controlling high-position limited so that the platforms stop automatically just before reaching the highest. Press the latch button to make sure that the locks of the lift work well. Press the down button to make sure that the lift can be released from the locks and fall normally. If not, readjust the height of the high-position limited.

2. Adjust the angel and length of the wheels of the limit switch controlling low-position limited so that the platforms stop automatically when the bottom of the platform is about 400mm above the ground. Press the down button again, and the lift continues to fall, with a warning signal sound.

3. If the fluorescent lamp module is selected, press the lamp button on the cover plate of the control box. If the lamps are on, the module works well.

4. Latch the primary platforms in the same lock location, use the levelling instrument such as spirit level to measure the horizontal degree and the height differences of the four angles of the platforms, and eliminate the differences with thin plastic or iron sheets with high strength. The gap between the underframe and the ground must be filled in with the steel plate or cement mortar. Strike in the anchor bolts and fasten them.

5. Tie up the hoses and electrical lines with the nylon tie straps, and put the flush mount fill panels on.

6. Regulate the height adjusting bolts on the four feet of the underframes so that the platform fall into the pits, level with the ground.

(八) Load Experiment

Start loading test after checking on the high-position limit switch and low-position limit switch of the primary platforms, the hydraulic circuit and the pneumatic circuit, and the anchor bolts. Drive the vehicle offered by the client meeting the load requirements onto the lift which is then operated repeatedly for several times. If no strange noise or leaking exists, and both the lifting time and height conforms to the technological parameters, the load experiment is finished. Only after that can the lift be put into use.

Spare parts list			
ITEM	DRAWING	DESCRIPTION	QTY
22	E3JK-R4M2/AC24V	Photoelectric switch	1
29	3550SF-1	Bearing	4
31	CQ2B25-25S	Air cylinder	2
35	3530SF-1	Bearing	8
36	HBS40-9100M	Master cylinder	1
38	3030SF-1	Bearing	8
40	XG130007	Nut	4
42	4040SF-1	Bearing	8
43	4030SF-1	Bearing	4
44	HBS40-3002	Shaft	2
45	HBS40-3001	Siding block	8
48	AZ-8108	Low-position limit switch	1
55	AZ-7310	High-position limit switch	2
67	HBS40-9100S	Slave hydraulic cylinder	1
68	E3JK-R4M2/AC24V	Photoelectric switch	1
75	PV4-1601	Nylon pipe	8
76	H4P-7500	Pin	1
80	SM60-1315	Plastic ball	234
81	SM60-1316	Spring	24
83	SM60-1521-1	Plastic washer	24
84	SM60-1521	Big plastic washer	36
87	AD16-22/W23	Power light	1
88	AD16-22SM/R	Buzzer	1
89	LA39-A2-13/W	Up button	
90	LW42B25-1017/LF101	Power switch	1
91	KCD1-201N/5A/AC250V	Light switch	1
92	ZB2SZ3	Stopple	1
93	LA39-A2-21/G	Lock button	1
94	LA39-A2-31/K	Down button	1
95	JBK3-400/380/230V/24V	Transformer	1
96	LC1-D18B7	A. c. contactor	1
97	LS501	Fuse protector	5
98	REXL2TMB7	Time relay	1
98.1	RXZE1M2C	Base time relay	1
99	DRM570524LT	Intermediate relay	4
99.1	FS4C0EC0	Base intermediate relay	4
100	LA39-A2-20/R	Intervention button	1
101	DK2.5-24/HBS40	Terminal strip	1
102	3V210-06DC24V	Air vavle	1
	F40-M16×150	Expansion bolt	16

六、Trouble and Troubleshooting of NBS40 Wheel Alignment Scissor Lift

Trouble	Cause	Remedy
The electric motor does not run.	<ol style="list-style-type: none"> 1. The fuses are blown or the over-current protective device is faulty 2. The voltage to motor is wrong 3. The electrical wires are disconnected. 4. The motor contactor is faulty. 5. Blown fuse on 24V power supply. 6. The transformer is faulty. 7. The motor thermic switch is activated from overheating. 	<ol style="list-style-type: none"> 1. Replace the blown fuses or reset the over-current protective device. 2. Supply correct voltage to motor. 3. Repair and insulate all connections. 4. Check the contactor coil operation and make sure it is activated when supplied with 24V. 5. Check the fuse on the transformer and replace it if necessary. 6. Check the output voltage of the transformer (24V). 7. Wait for 10 minutes and try starting again; then, using a tester to make sure contact is closed again.

<p>The electric motor runs but will not raise lift.</p>	<ol style="list-style-type: none"> 1. Motor runs in reverse rotation. 2. Load too heavy. 3. Low fluid level. 4. The master hydraulic circuit breaks. 5. The oil filter is clogged. 6. Faulty hydraulic pump. 7. Faulty relief valve. 8. The disc of the lowering solenoid valve is dirty. 9. The emergency lowering throttle valve is open. 	<ol style="list-style-type: none"> 1. Switch the phase and make sure motor runs in the direction indicated by the arrow. 2. Check vehicle capacity. 3. Fill tank with hydraulic oil. 4. Check and retighten. 5. Check and clean. 6. Repair or replace the hydraulic pump. 7. Adjust and replace the relief valve. 8. Check the solenoid valve and clean the disc. 9. Check and tighten screw.
<p>The motor has sounds, but can't run.</p>	<ol style="list-style-type: none"> 1. Default phase occurs to the three-phase power supply. 	<ol style="list-style-type: none"> 1. Immediately stop to run the motor, and check whether default phase occurs to the main circuit.
<p>The lift rises too slowly.</p>	<ol style="list-style-type: none"> 1. The seal of the hydraulic pump is damaged, resulting in oil leakage. 	<ol style="list-style-type: none"> 1. Repair or replace the hydraulic pump.

<p>The lift vibrates while working.</p>	<ol style="list-style-type: none"> 1. There is air in the hydraulic circuit. 2. The oil filter is dirty. 3. The gas leaks in the upper part of the suction pipe of the hydraulic pump. 	<ol style="list-style-type: none"> 1. Bleed repeatedly the hydraulic circuit according to the Operation Manual. 2. Check and Clean the oil filter. 3. Check and replace it.
<p>The down button is pressed but the lift does not lower.</p>	<ol style="list-style-type: none"> 1. Make sure there are no obstacles blocking the lowering phase. 2. There is the poor contact inside the button. 3. The input voltage is abnormal. 4. Blown fuse on 24V power supply. 5. Faulty transformer. 6. The lowering Solenoid valve coil is faulty or not supplied with current. 7. Damaged or faulty lowering solenoid valve. 	<ol style="list-style-type: none"> 1. Remove the obstacles blocking the lowering phase. 2. Check and replace the button. 3. Return the input voltage to normal. 4. Check and replace the fuse after eliminating the cause of the short circuit. 5. Check the output voltage of the transformer (24V). 6. Check to see if valve coil is getting current. 7. Unscrew the valve on the hydraulic block and make sure it move freely when supplied with

	<p>8. The air pressure is insufficient to release the safety locks.</p>	<p>24V solenoid.</p> <p>8. Adjust the air pressure in the compressor.</p>
<p>The lift isn't raising synchronous.</p>	<p>1. The refilling valve is open.</p> <p>2. Leakage occurs in the hydraulic circuit.</p>	<p>1. Bleed and readjust the balance, and fasten the refilling valve.</p> <p>2. Eliminate the leakage in the hydraulic circuit.</p>

七、 Qualification Certificate

The equipment is tested to be qualified and is allowed to be released
from factory.

Product Name: Wheel Alignment Scissor Lift

Product Model: NBS35

Release No.: _____

Release Date: _____

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Quality Department

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