Daytona

AUTOMOTIVE EQUIPMENT

10,000lb 4-POST PARKING LIFT

LFPP10

User Manual

Serial No. _____

Above image shows lift with drip trays

verification проверка verification проверка verification проверка verification проверка verification

VERIFICATION OF CONFORMITY

S/N: 013017

No.: **ICR/VC/HM250363**

Name and address of Applicant	Daytona Automotive Equipment Inc. 101 Applewood Dr. Unit 3, Brighton, Ontario. K0K1H0, Canada
Name and address of manufacturer:	Acme Industrial Technologies (Nanjing) Limited FORTUNE PLAZA, 2703 WEST TOWER, 359 HONGWU ROAD, NANJING, CHINA
Product name:	Vehicle Lift
Product types:	LTPF9, LTPA10, LTPO10, LTPO12, LTPF12, LTPO14, LTPO15, LTOP18, LFPP9A, LFPP10A, LFPA12, LFPA14, LFPA24, RAJ4, RAJ5, RAJ8, RAJ9, RAJ11, RAJ12, LHS7, LMS6, LMATV, LMC16
Product trademark:	n/a

Verification was carried within following scope:

Information on the Declaration of Conformity:

Result:	**Legislation:**	**Standard:**
✓	MD [2006/42/EC]	EN ISO 12100:2010 EN 60204-1:2018 EN 1493:2022 EN 1494:2000+A1:2008

The assessment process has been carried out in accordance with individual rules and conditions agreed with the applicant. Evaluation has been carried out in accordance with:

Test report:	MTZ202503035MD
Tests conducted by:	Daytona Automotive Equipment Inc.
Issue date:	07.03.2025
Expiration date:	06.03.2030

Remarks:

- VoC was issued on voluntary basis and does not imply meeting all essential requirements listed in Declaration of Conformity.
- For introducing this product on European market may be needed EC/EU-type examination conducted by appropriate Notified Body.

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Edition: 5.1.1.B of 06.03.2024

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

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Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services Shenzhen Ltd. Guangzhou Branch.

Control Number: 3191617 **Authorized by:** _____
Thomas J. Patterson, Certification Manager

RECOGNIZED COMPONENT
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This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Rotating Electrical Machines – General Requirements - UL1004-1, 2nd Ed., Rev. Sep. 27, 2013 Motors and Generators - CSA C22.2 No.100-04 (R2013)
Product:	Hydraulic AC Motor
Models:	YL90GA-2, YL90GB-2

Daytona
AUTOMOTIVE EQUIPMENT

Safety Information for 4-Post Lifts

I. Instructions for Owner and/or Employer

• The Owner/Employer shall ensure that lift operators are qualified and that they are trained in the safe use and operation of the lift using the manufacturer's operating instructions;

• The Owner/Employer shall establish procedures to periodically inspect the lift in accordance with the lift manufacturer's instructions, Inspection and Maintenance; and The Employer Shall ensure that lift inspectors are qualified and that they are adequately trained in the inspection of the lift.

• The Owner/Employer shall establish procedures to periodically maintain the lift in accordance with the lift manufacturer's instructions The Employer Shall ensure that lift maintenance personnel are qualified and that they are adequately trained in the maintenance of the lift.

• The Owner/Employer shall maintain the periodic inspection and maintenance records recommended by the manufacturer

• The Owner/Employer shall display the lift manufacturer's operating instructions operator.

• The Owner/Employer shall provide necessary lockout/tagout means for energy sources per, Safety Requirements for the Lockout/Tagout of Energy Sources, before beginning any lift repairs.

• The Owner/Employer shall not modify the lift in any manner without the prior written consent of the manufacturer.

II. Safety Instructions

• Never allow unauthorized or untrained persons to operate lift or rolling jacks.

• Shop Policy should prohibit customers or non-authorized persons from being in shop area while lift is in use.

• Thoroughly train all employees in the use and care of lift and rolling jacks.

• Be sure no one is standing in front or behind lift while vehicle is being driven onto or backed off the lift.

• DO NOT allow rear tires or portion of vehicle to interfere with ramp/chocks.

• Be Sure front wheel stops are in raised position before driving vehicle onto lift.

• Never allow front wheels to strike the front wheel stops.

• DO NOT permit employees or customers on lift when it is either being raised or lowered.

• Always stand clear of lift when raising or lowering and observe "Pinch Points" Warning.

• Never overload lift: Follow recommended capacities listed on the data tag mounted near the controls the post of the lift.

• Always engage parking brake and use the rear wheel chocks to keep the vehicle from rolling freely on the runways.

• Always lower lift on locks before working on vehicle.

• Keep area around lift clean of tools, debris, grease, and oil.

• Always keep runway clean.

• Replace all caution, warning, or safety related decals on the lift when unable to read or missing.

• For Rolling Jack Safety Instructions see Rolling Jack Installation, Operation and Maintenance Instructions in the rolling jack box.

III. Operating instructions

WARNING To avoid personal injury and/or property damage, permit only trained personnel to operate lift. After reviewing these instructions, get familiar with lift controls by running the lift through a few cycles before loading vehicle on lift. Observe and heed SAFETY and WARNING labels on the lift.

1. Loading: Lift must be fully lowered and no one in service bay while the vehicle is brought on lift.

2. If lift is equipped with rolling jacks, jacks must be fully lowered and the rear jack pushed toward center of lift to provide under car clearance.

WARNING Engage runway locks before raising vehicle on jacks! DO NOT operate lift while jacks are engaged with a vehicle!

3. Stop vehicle when it contacts the front wheel stops. At all times, be sure rear wheels are forward of the ramp/chocks and the ramp/chocks will clear tires when the lift is raised,
Driver and passengers must exit before raising.

4. Place triangular wheel chocks on each side of one of the rear tires,

5. To Raise Lift: Push the "RAISE" button on the power unit. Release button at desired height.

7. Before Lowering Lift: Be sure no one is in the lift area and that all tools, tool trays, etc. have been removed from under the lift and vehicle.

CAUTION Keep hands clear of yoke ends during lift operation.

WARNING The runways, ramps and connecting yokes at each end of lift are designed to rest on the floor when fully lowered. Observe pinch point warning decals,

8. Repeat Step 2.

9. To Lower Lift: If lift has been resting on the locking latches, lift must be raised high enough for all four latches to clear the latch plate slots inside the columns.

10. Actuate the latch release handle near the power unit column to disengage all four locking latches, Hold the handle until lift has fully lowered. Note: If the handle is released, the latches will automatically reset to the engaged position.

11. Push the lowering handle on the power unit to lower lift . Lowering speed can be controlled by the force applied to the lowering handle.

12. Observe lift and vehicle to be sure lift is level while being lowered. If not, STOP repeat Steps 10 through 13.

13. Fully lower lift, remove the triangular wheel chocks and check to be sure area is clear before removing vehicle from lift,
14. If your lift is not operating properly, DO NOT use until adjustments or repairs have been made by qualified lift service personnel.

WARNING Keep hands clear of yoke ends while the lift is being raised or lowered,

IV. Maintenance Instructions

WARNING If you are not completely familiar with automotive lift maintenance procedures, STOP. Contact factory for instructions.

To Avoid Personal Injury, permit only qualified lift service personnel to perform maintenance on this equipment.

- Periodically: Check all column, lift/runway attaching bolts for tightness.

- Always raise lift when cleaning floor area with solvents and/or cleaning compounds.

- Always keep runways and linkages clean. In salt belt or other corrosive environments, the lift must be washed down weekly.

- Daily: Check cables and sheaves for wear. Observe for frayed cable strands. Wipe cables with a rag to detect hard to see small broken cable strands. Replace cables showing any broken strands. Replace worn parts as required with genuine Daytona parts.

- Daily: Inspect front wheel stops and ramp/chocks for damage or excessive wear. Replace as required with genuine Daytona parts.

- Daily: Check locking latch operation and reset. Adjust per instructions or repair if required with genuine Daytona parts.

- Weekly: Clean foreign debris from rear wheel slip plates and turning radius gauges by blowing out with shop air.

- Weekly: Check torque on the column anchor bolts per specifications .

- Monthly: Clean wire rope cables with lift in both lowered and raised position by spraying with penetrating oil and wiping the cable down.

- Monthly: Check cables for wear. Refer to 4-Post Inspection and Maintenance Guide for wear inspection information.

- Monthly: Check level of runway. Adjust per instructions.

- Monthly: Lubricate Guide on each turning radius plate . Clean and lubricate more often as conditions warrant.

- Semi-Annually: Check fluid level of lift power unit and refill if required. If fluid is required, inspect all fittings, hoses and seals. Repair as required.

• Semi-Annually: Lubricate front wheel stop and ramp/ chock hinge pins. IMPORTANT Cable adjustment should be checked by Installer after the first 50 loaded lift cycles and after 300 loaded lift cycles.

• For Rolling Jack Maintenance Instructions see Rolling Jack Installation, Operation and Maintenance Instructions in the rolling jack box.

V. Lift Lock Out/Tag Out Procedure

Purpose

This procedure establishes the minimum requirements for the lockout of energy that could cause injury to personnel by the operation of lifts in need of repair or being serviced. All employees shall comply with this procedure.

Responsibility

The responsibility for assuring that this procedure is followed is binding upon all employees and service personnel from outside service companies (i.e., Authorized Daytona Installers, contactors, etc.). All employees shall be instructed in the safety significance of the lockout procedure by the facility owner/manager. Each new or transferred employee along with visiting outside service personnel shall be instructed by the owner/manager (or assigned designee) in the purpose and use of the lockout procedure.

Preparation

Employees authorized to perform lockout shall ensure that the appropriate energy isolating device (i.e., circuit breaker, fuse, disconnect, etc.) is identified for the lift being locked out. Other such devices for other equipment may be located in close proximity of the appropriate energy isolating device. If the identity of the device is in question, see the shop supervisor for resolution. Assure that proper authorization is received prior to performing the lockout procedure.

Sequence of Lockout Procedure

1) Notify all affected employees that a lockout is being performed and the reason for it.
2) Unload the subject lift. Shut it down and assure the disconnect switch is "OFF" if one is provided on the lift.
3) The authorized lockout person operates the main energy isolation device removing power to the subject lift.
• If this is a lockable device, the authorized lockout person places the assigned padlock on the device to prevent its unintentional reactivation. An appropriate tag is applied stating the person's name, at least 3" x 6" in size, an easily noticeably color, and states not to operate device or remove tag.

• If this device is a non-lockable circuit breaker or fuse, replace with a "dummy" device and tag it appropriately as mentioned above.
4) Attempt to operate lift to assure the lockout is working. Be sure to return any switches to the "OFF" position.
5) The equipment is now locked out and ready for the required maintenance or service.

Restoring Equipment to Service

1) Assure the work on the lift is complete and the area is clear of tools, vehicles, and personnel.
2) At this point, the authorized person can remove the lock (or dummy circuit breaker or fuse) & tag and activate the energy isolating device so that the lift may again be placed into operation.

Rules for Using Lockout Procedure

Use the Lockout Procedure whenever the lift is being repaired or serviced, waiting for repair when current operation could cause possible injury to personnel, or for any other situation when unintentional operation could injure personnel. No attempt shall be made to operate the lift when the energy isolating device is locked out.

For further information or assistance, please reach out to Daytona Automotive Equipment at 613-475-5400, or toll free at 1-866-219-9991

CONTENTS

I. PRODUCT FEATURES AND SPECIFICATIONS

4-POST MODEL A435-P FEATURES

- Single point manual safety release.
- Four mechanical locking devices, each equipped with both primary and secondly safety locks.
- Power side column can be installed at both side, front or rear.
- Non-skid diamond platforms and adjustable safety lock ladders.
- Optional kits: Sliding jack with hand pump, Mobile set, Jack tray

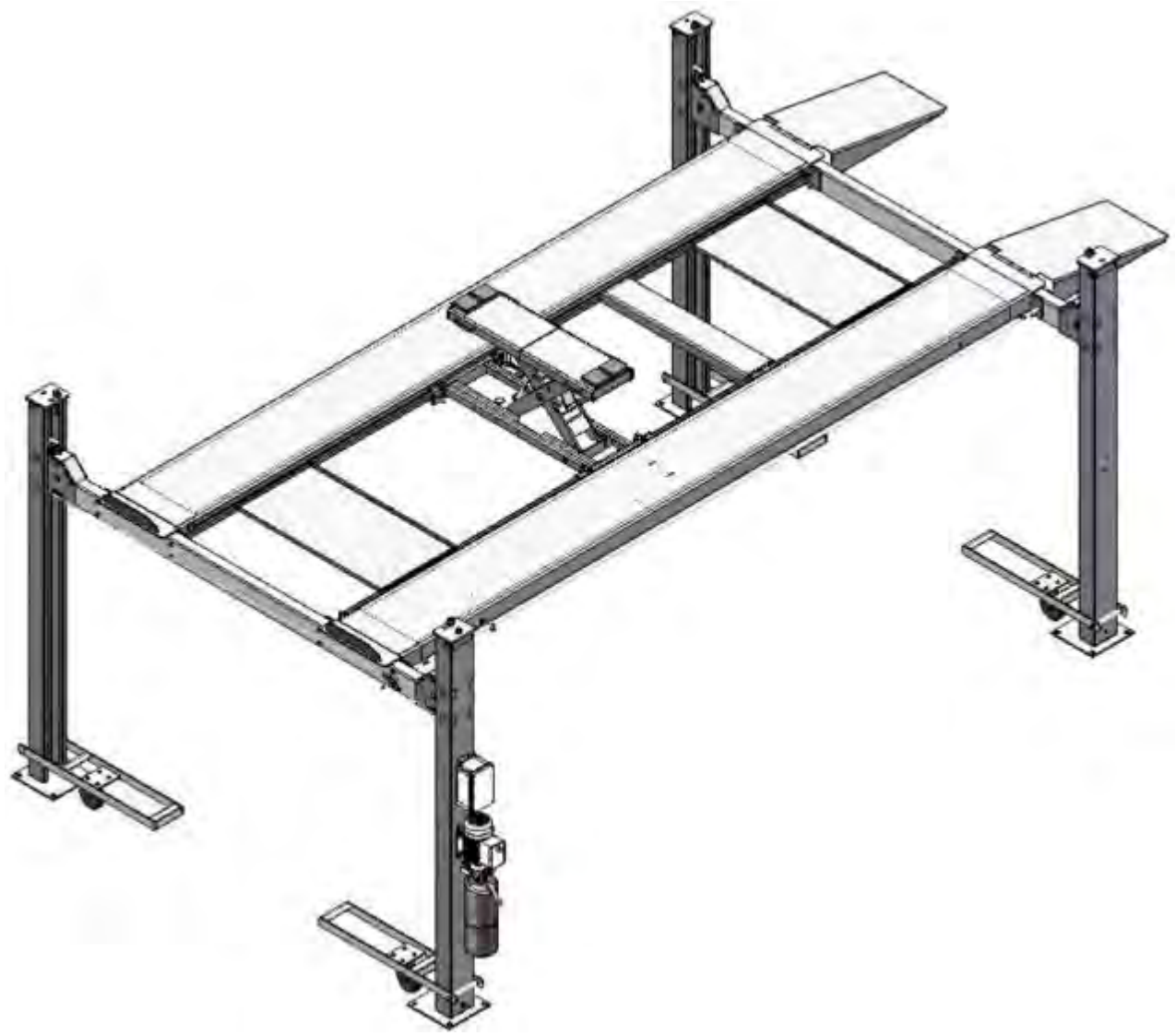


Fig.1

Lifting Capacity	Lifting Height	Lifting Time	Overall Length (Inc. Ramps)	Overall Width	Width Between Columns	Gross Weight	Motor
4.5T (10000lbs)	2140mm (84.25)	83S/ 40S	5835mm (229.73″)	3471mm (136.66″)	2865.5m (112.81″)	960kg	220V/380V

II. INSTALLATION REQUIREMENT

A. TOOLS REQUIRED

P Tape Measure（7.5m ）

P Carpenter's Chalk

P Hammer

P Screw Sets

P Level Bar

P Pliers

P English Spanner (12")

P Lock Wrench

P Wrench set：(12#、13#、14#、15#、17#、19#
24#、30#)

P Socket Head Wrench：(3#、5#、6#、8#)

Fig.2

B. SPECIFICATIONS OF CONCRETE (See Fig. 3)

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 and no cracks.

(See Fig. 3)

C. POWER SUPPLY

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

III. STEPS OF INSTALLATION

A. Check the parts before assembly

1. Packaged lift and Hydraulic Power Unit (See Fig. 4).

2. Open the outer packing carefully(See Fig. 5).

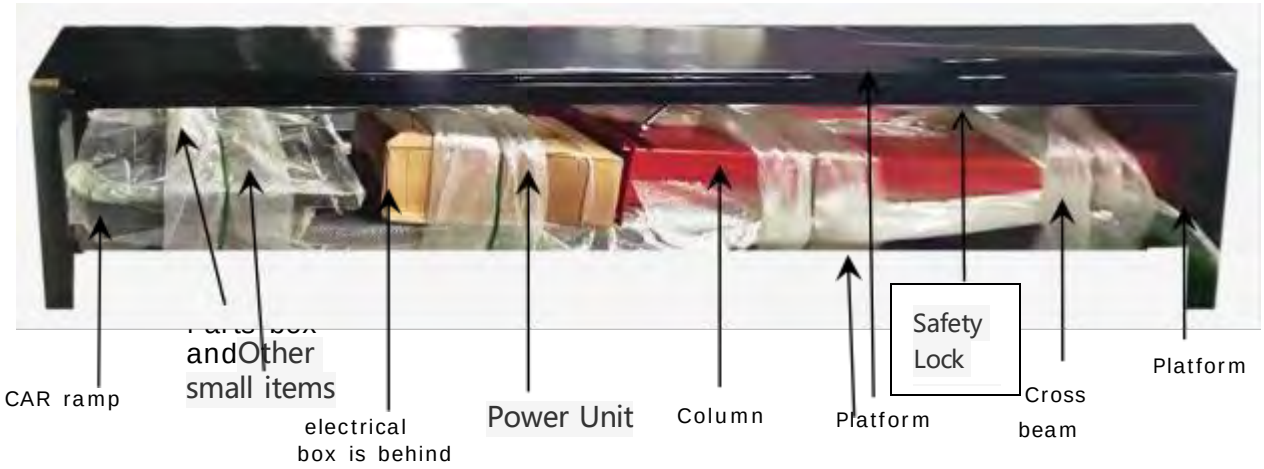


Fig.5(Note: Parts may be located in different parts in different batches)

3. Take off the drive-in ramps and The platform above (See Fig.6).

4. Loosen the screws of the upper package stand, take off the offside platform, take out the parts inside the pack, then remove the package stand.

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

(See Fig. 7-See Fig. 8).

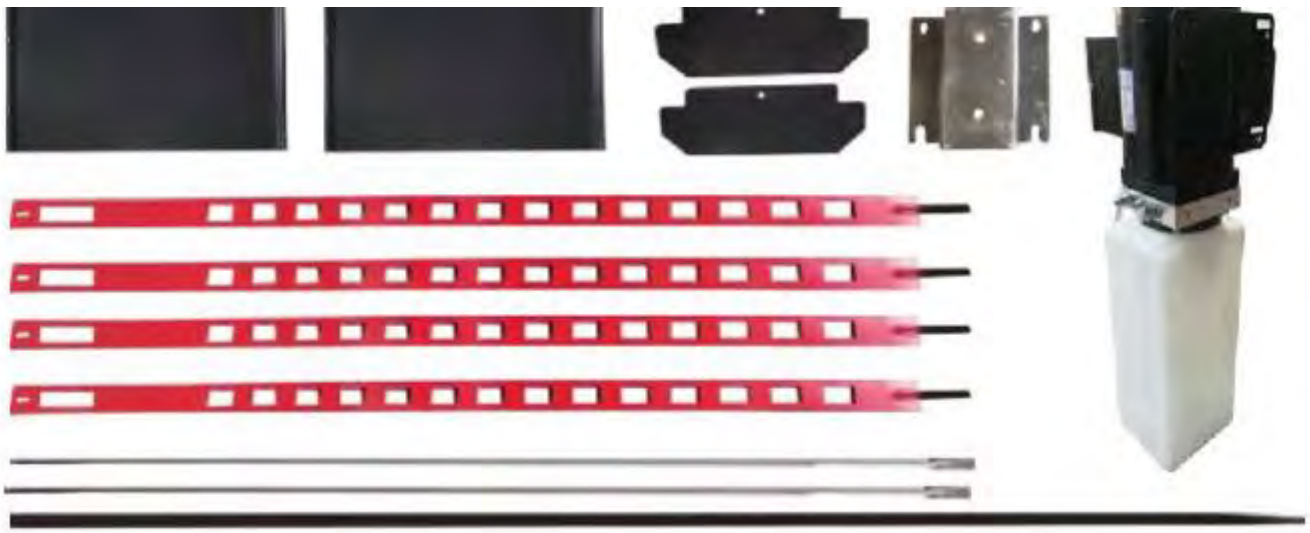
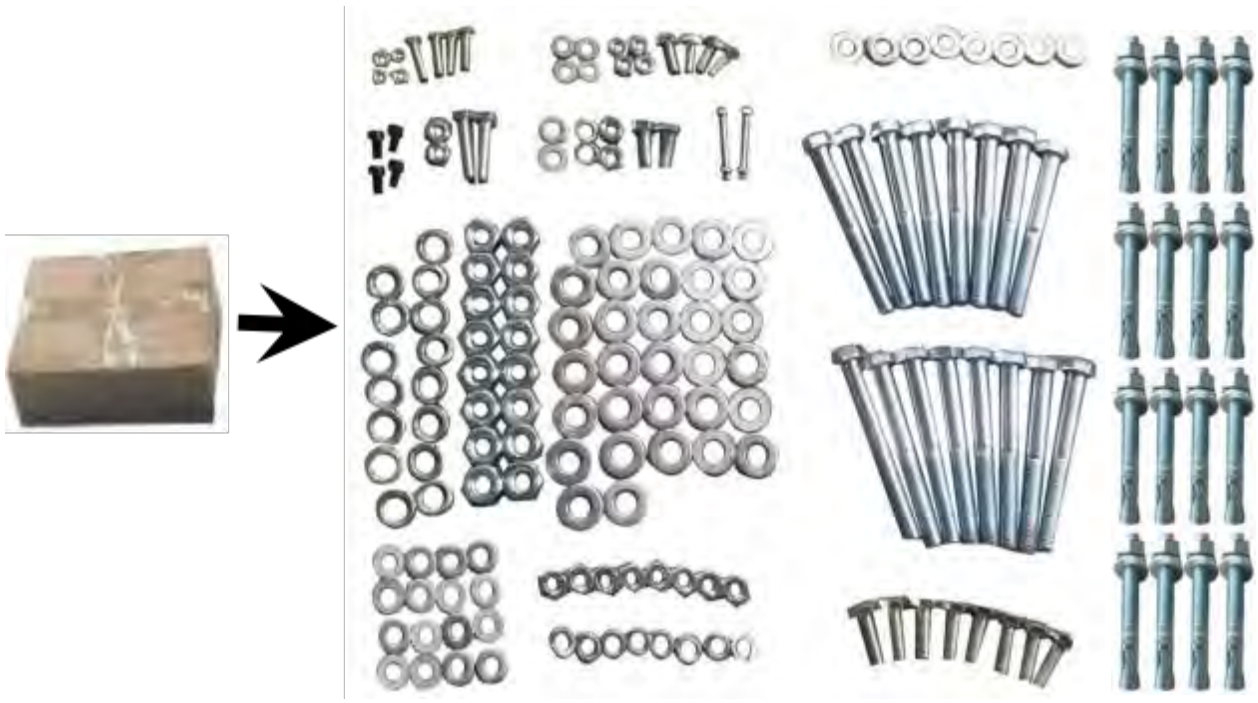


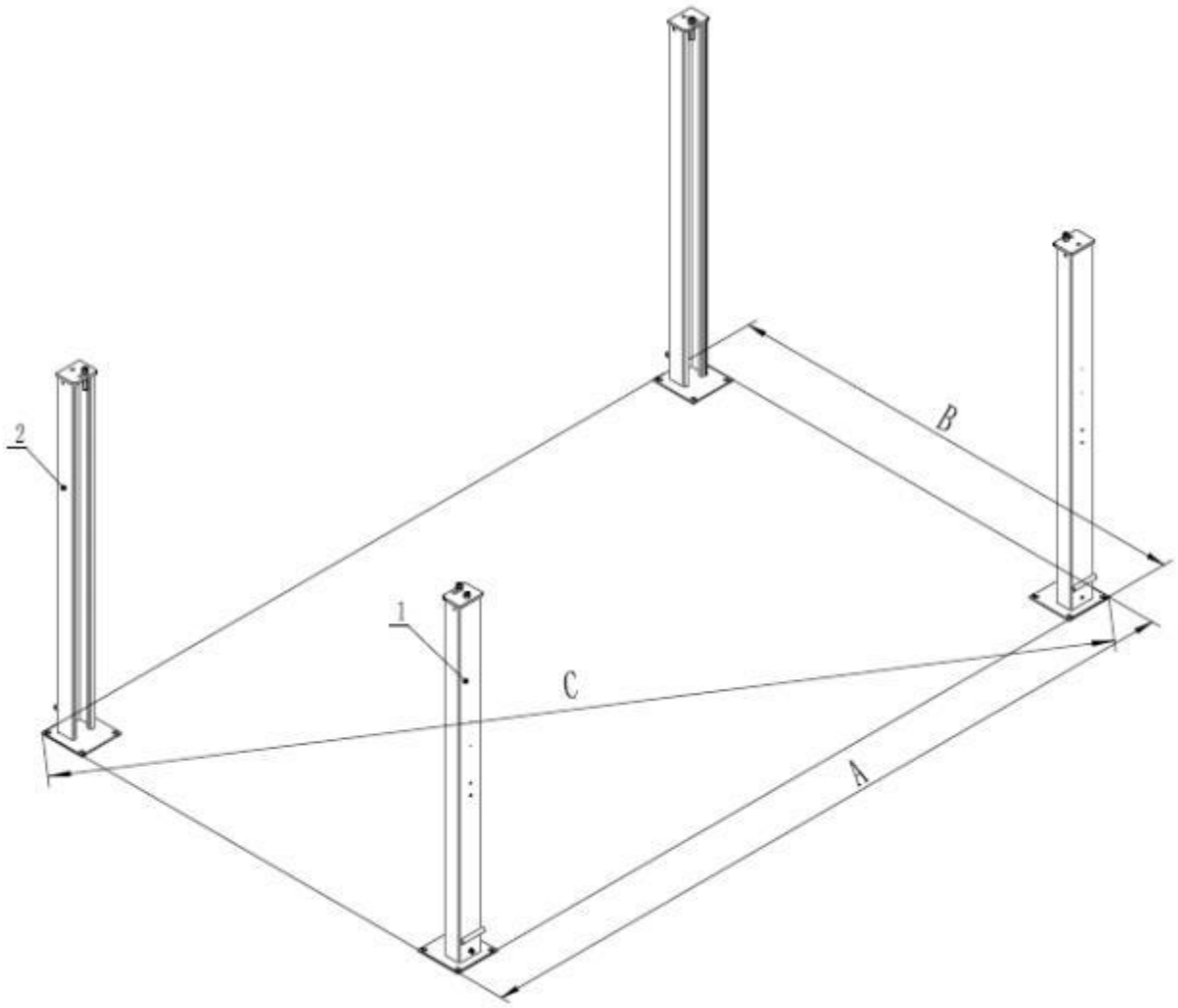
Fig.7

Fig.8

6. Check the parts of the parts bag (See Fig. 9).



B. Use a carpenter's chalk line to establish installation layout as per Table 1
Make sure the size is right and base is flat (see Fig. 10)
Note: Reserve appropriate space in front and behind the installation site.



4.5T	A	B	C
4.5T	5019mm 197.6″	3204mm 126.14″	5954mm 234.41″

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C. Install cross beams (See Fig.11, Fig.12).

Note: Pay attention that the cross beam's slot should be positioned towards inward and the safety locks connecting assy. should be adjacent to the power unit column.

The power side column need to be installed according to the installed position of the safety lock release handle.

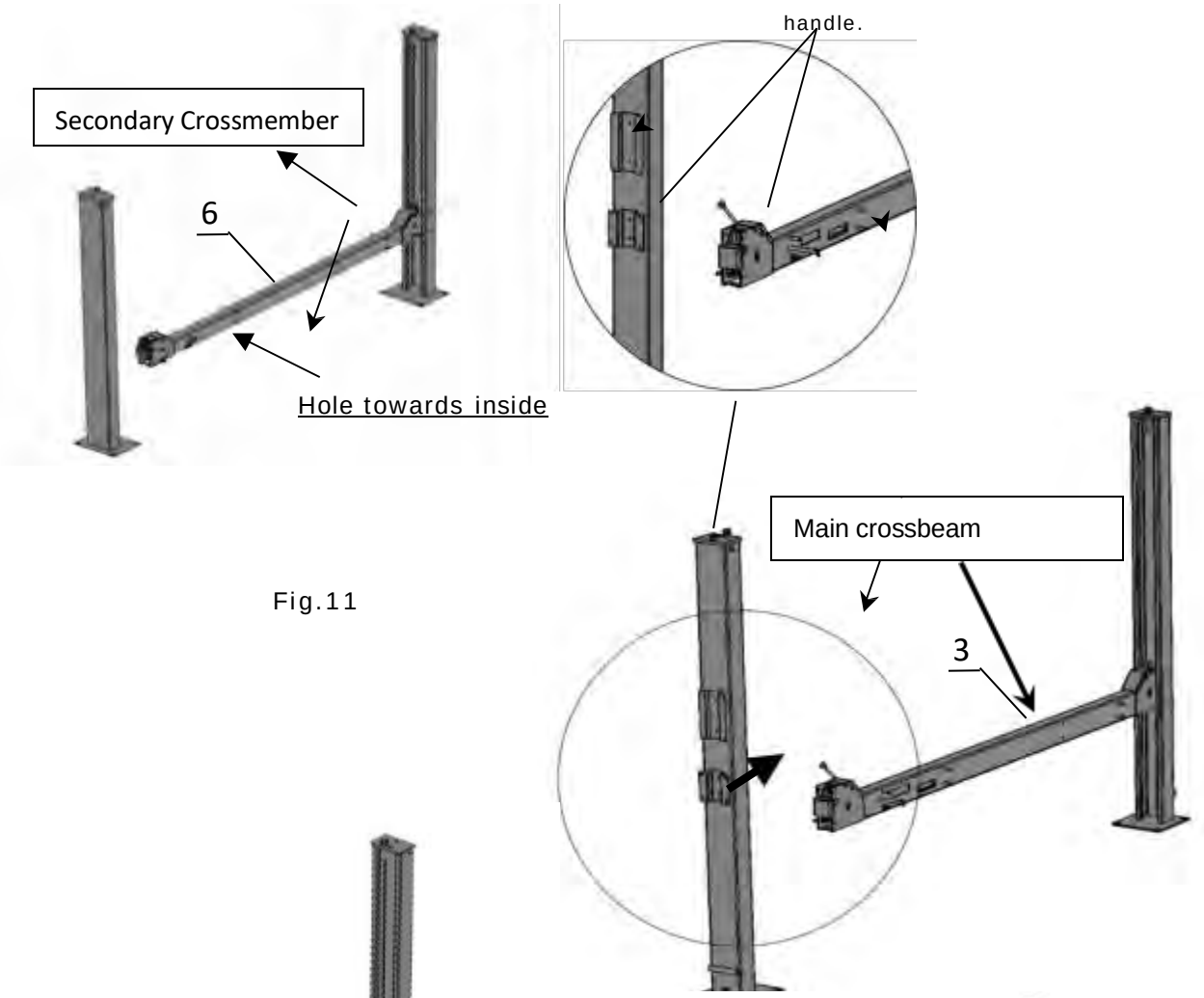


Fig.11

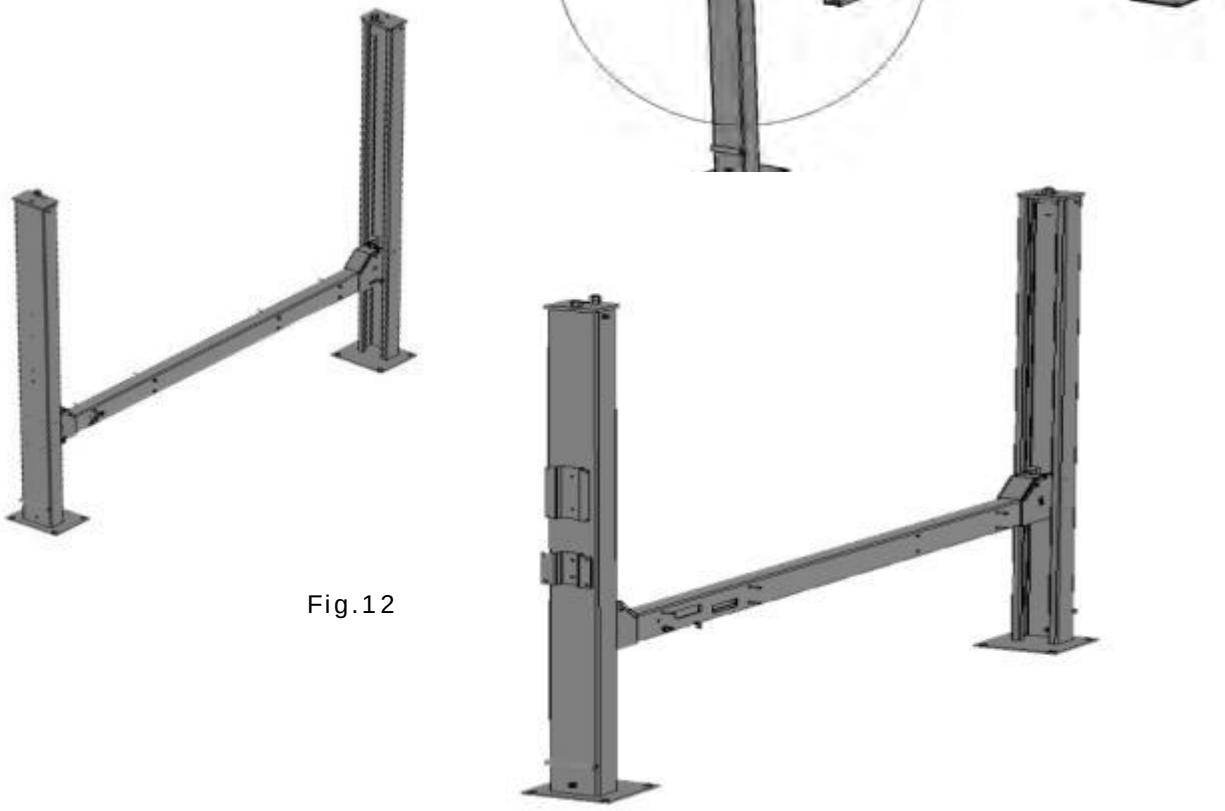
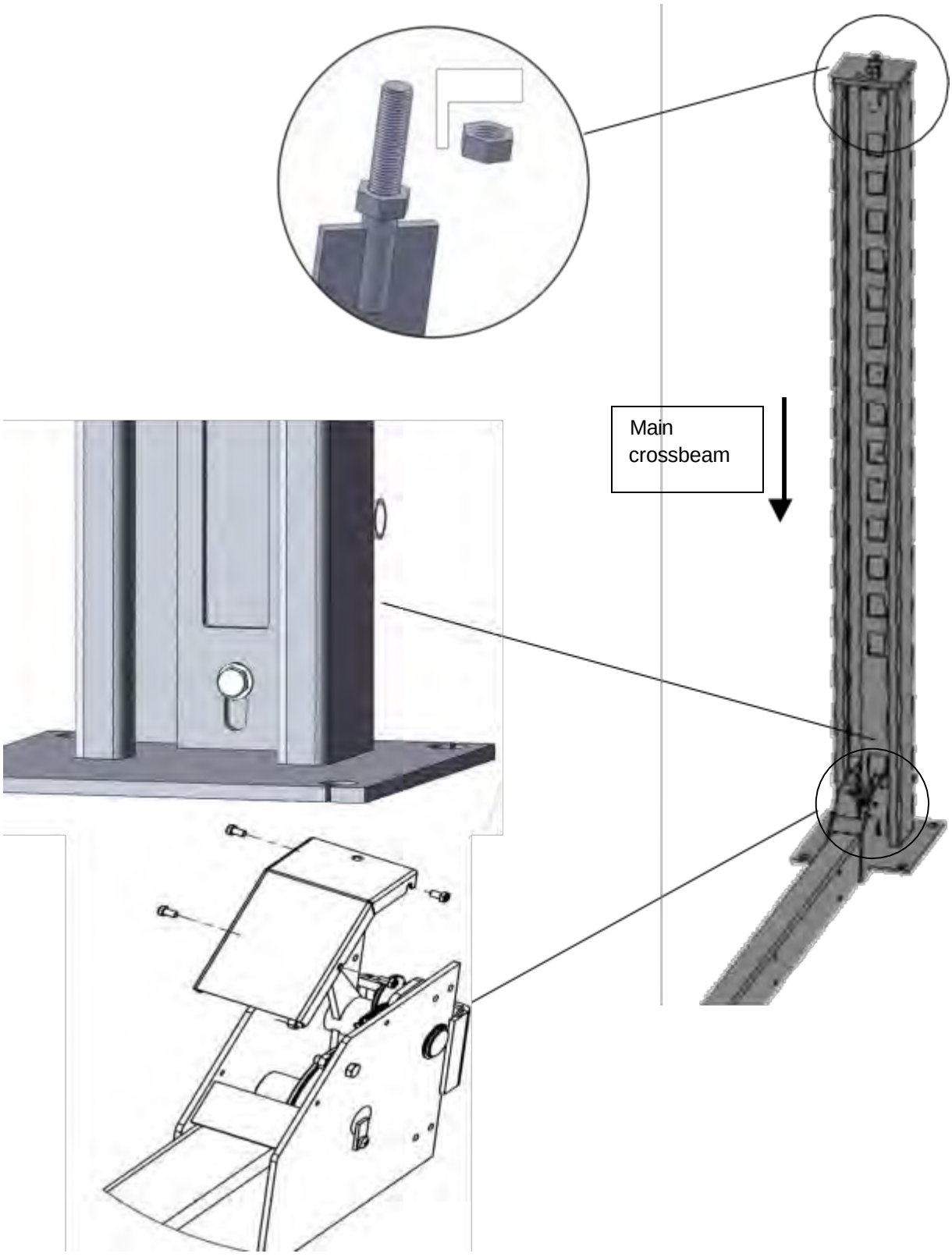


Fig.12

D. Install the Safety Ladders.

1. adjust the four lower nuts so they are at the same position. Then insert the safety ladder (See Fig. 13).



2. Install Safety Ladders (See Fig. 14)

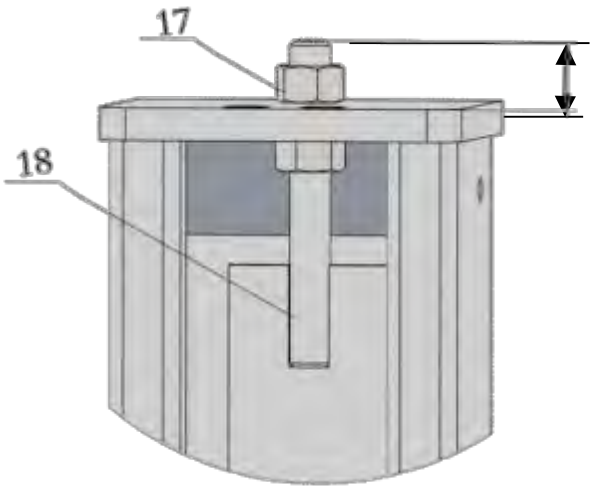
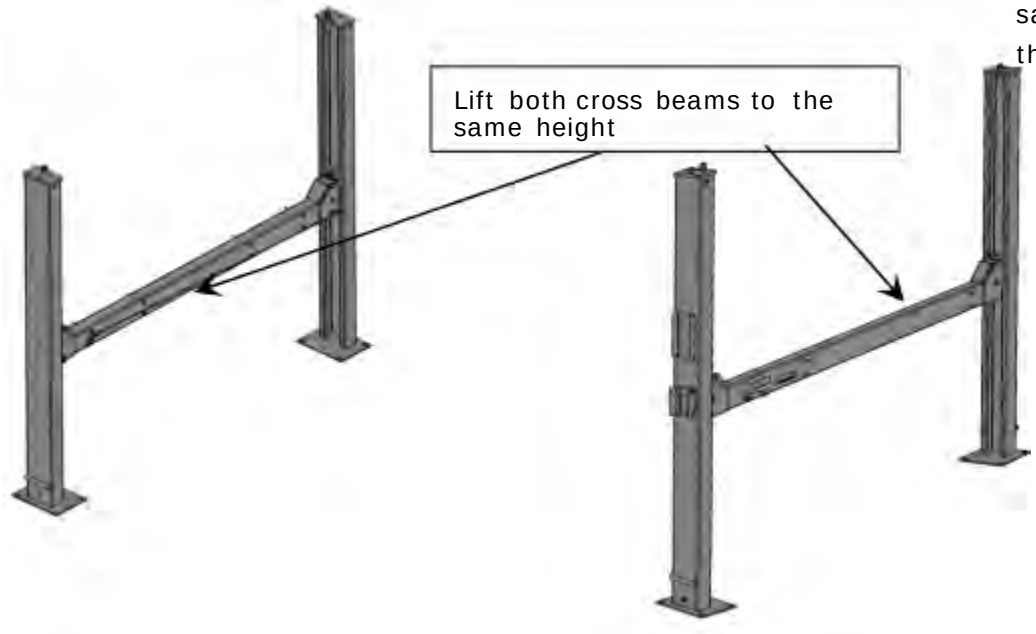


Fig.14

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

E. Raise the cross beams at the same height and lock them on the safety ladders (See Fig. 15).

The safety device on the cross beam should be engaged in the safety ladders at the same height.



The lifting cross beam height should be fitted for installing the platform and its parts . 1m height is recommended.

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Fig.15

F. Install power side platform.

1. Raise the power side platform above the cross beam by a forklift or crane. Then move the cross beam outwards until the pulleys of both platforms can be rested into the cross beams, slots (see Fig.16). Tighten the Power side Platform to the Cross beams by using bolts.

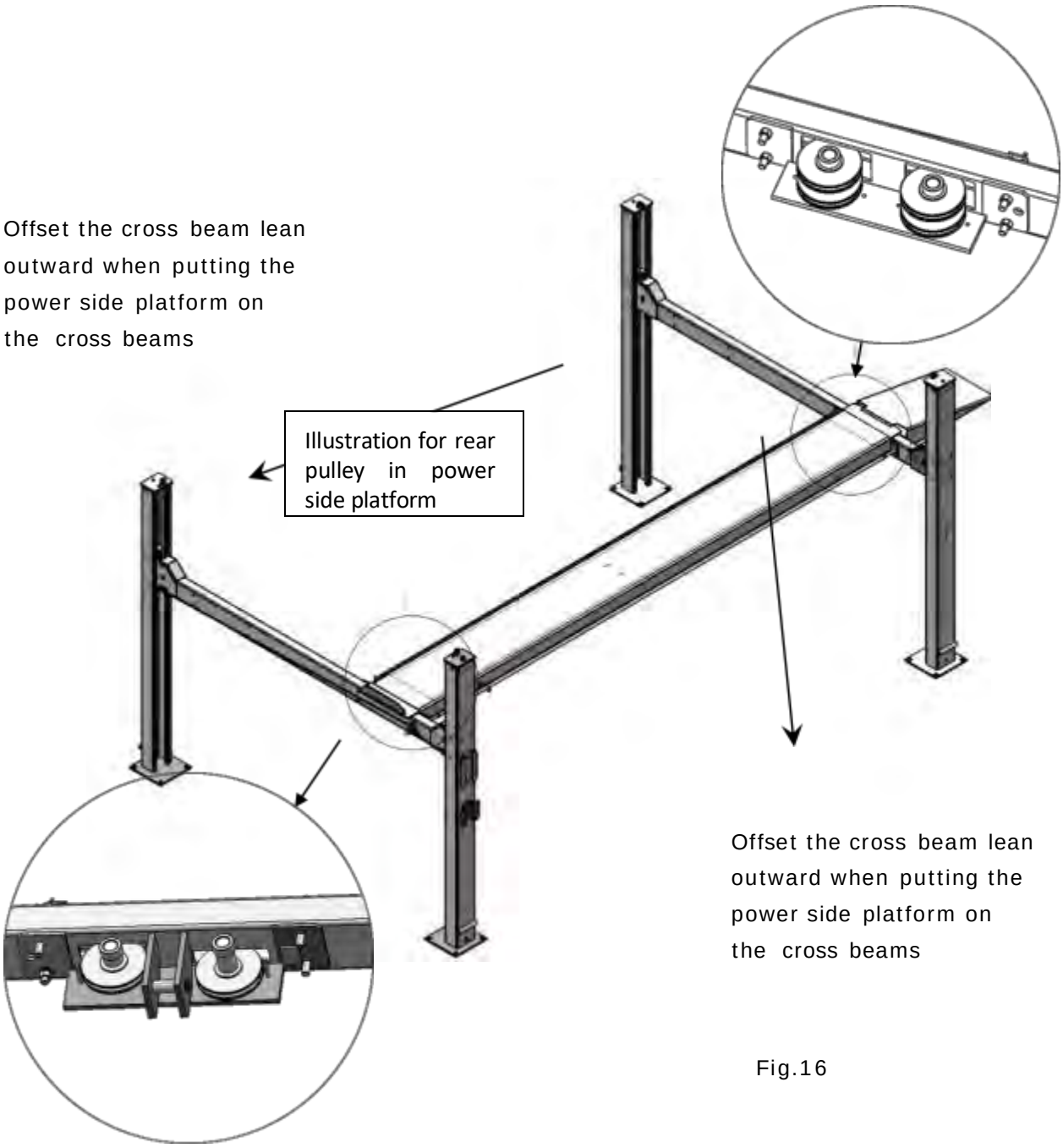


Fig.16

2. Install the tire stop plate and connecting bolts: Tighten the platform and the cross beam 1 with bolts. Tighten the tire stop plate , platform and cross beam 2 with bolt.

Note: Install the tire stop plate on the drive- in position . And the bolts for connecting with tire stop plate is longer, pay attention when choosing the bolts. (See Fig.17)

Instruction :

1) This lift is designed to be driven in at any position according to the space.

Below is the instruction for the drive -in position on cross beam 1. If it is chosen to be driven in from cross beam 2, install the tire stop plate to the other side only.

2) Power side column can be installed at any position accordingly. But the power unit must always be installed adjacent to the safety lock release handle. Pay attention to direction when installed the safety lock release handle, power unit and hydraulic system.

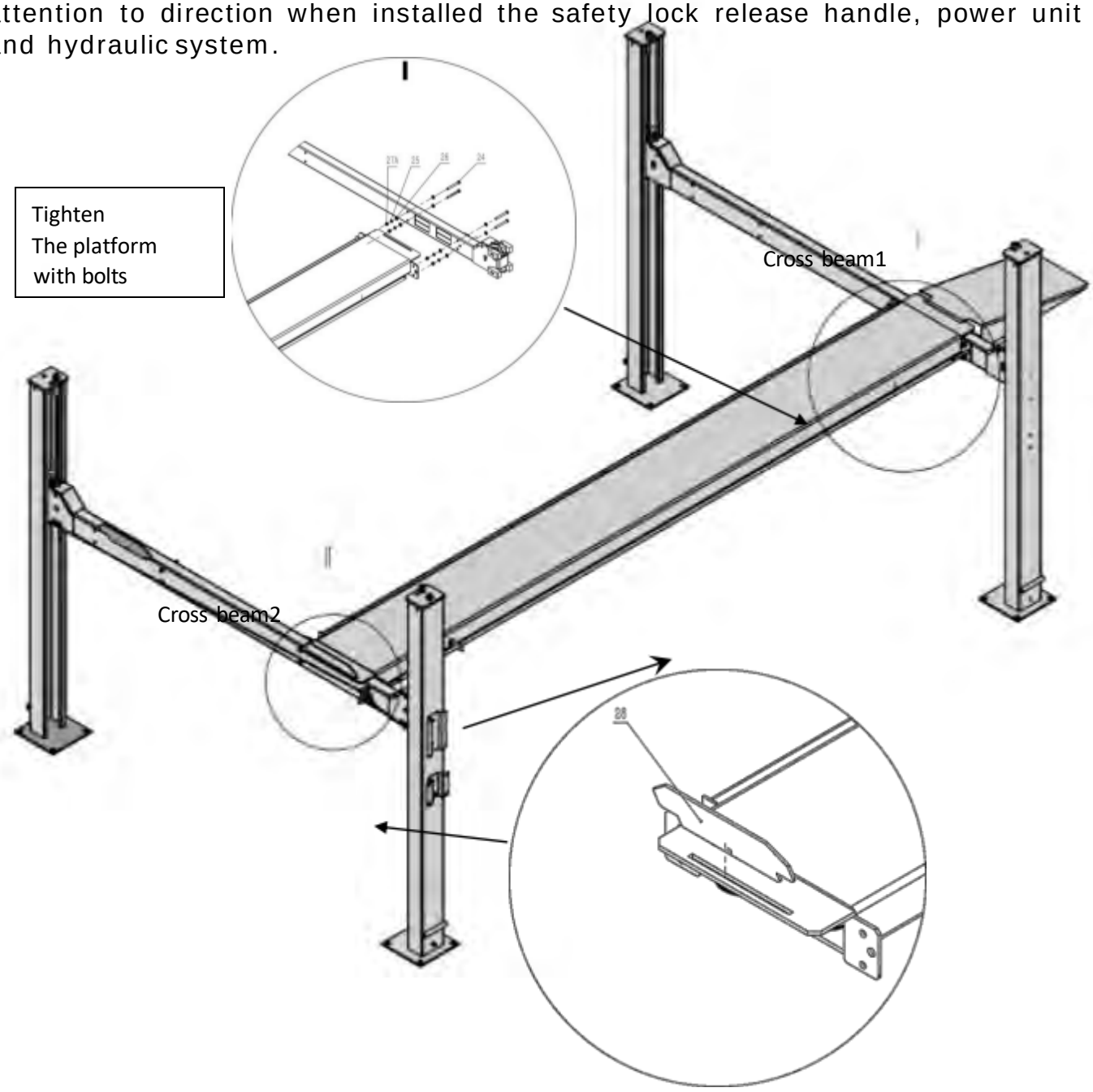


Fig.17

G. Install the offside platform and limit slide block, and platform strengthen bolts. Check the verticality of columns with level bar and adjust with shims. (See Fig. 18)

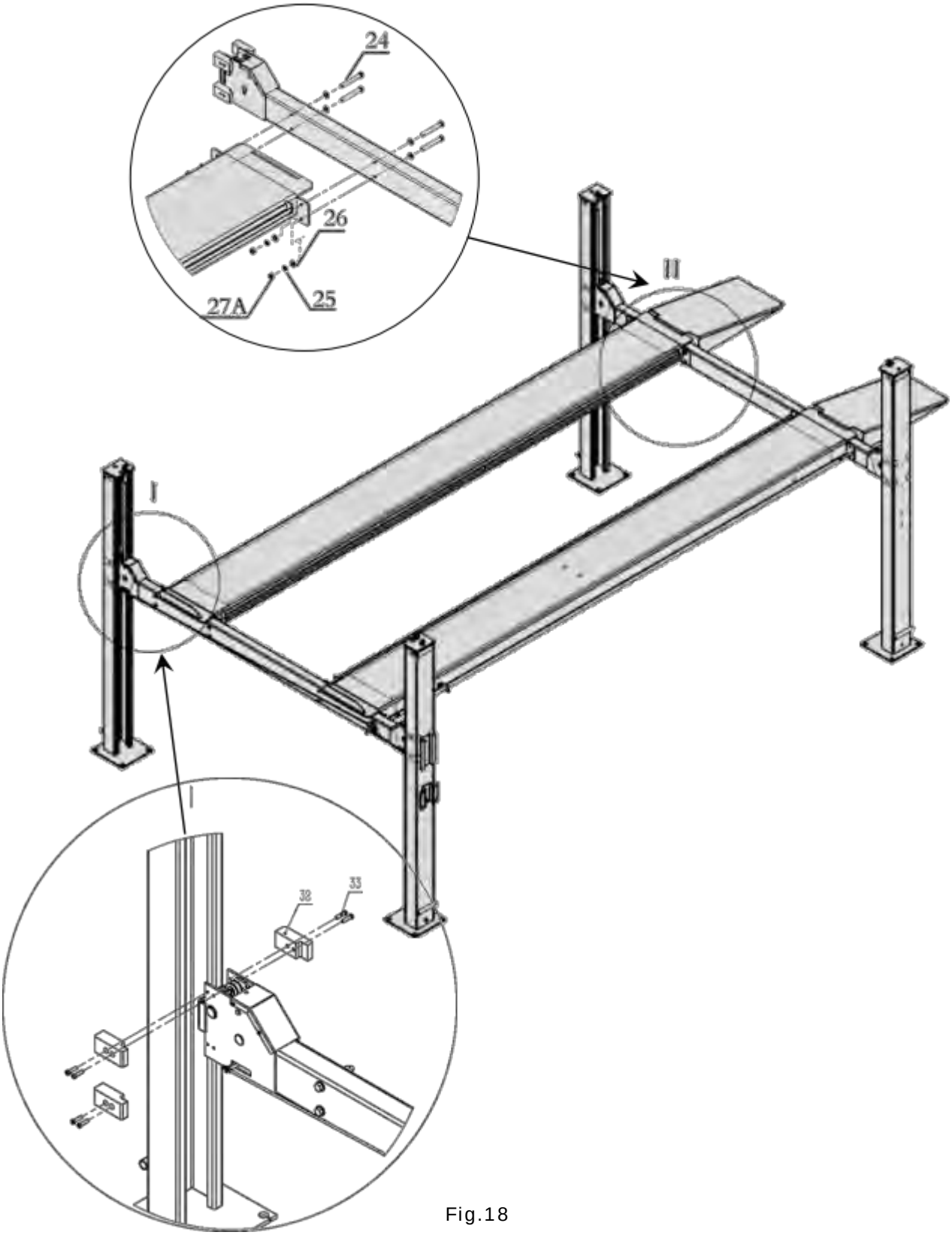
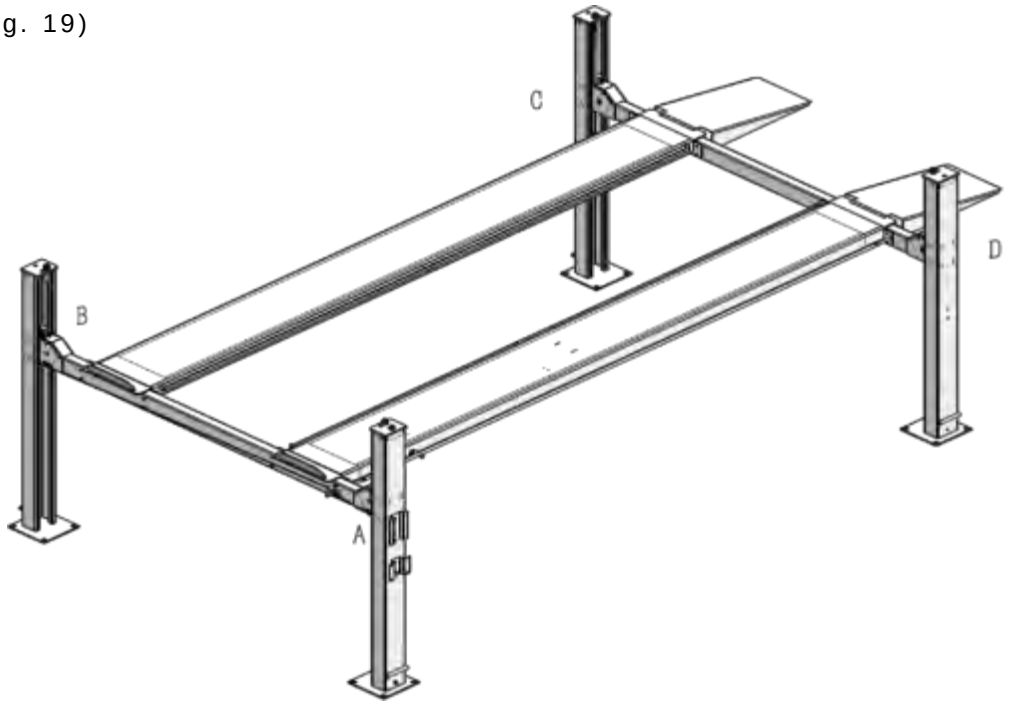


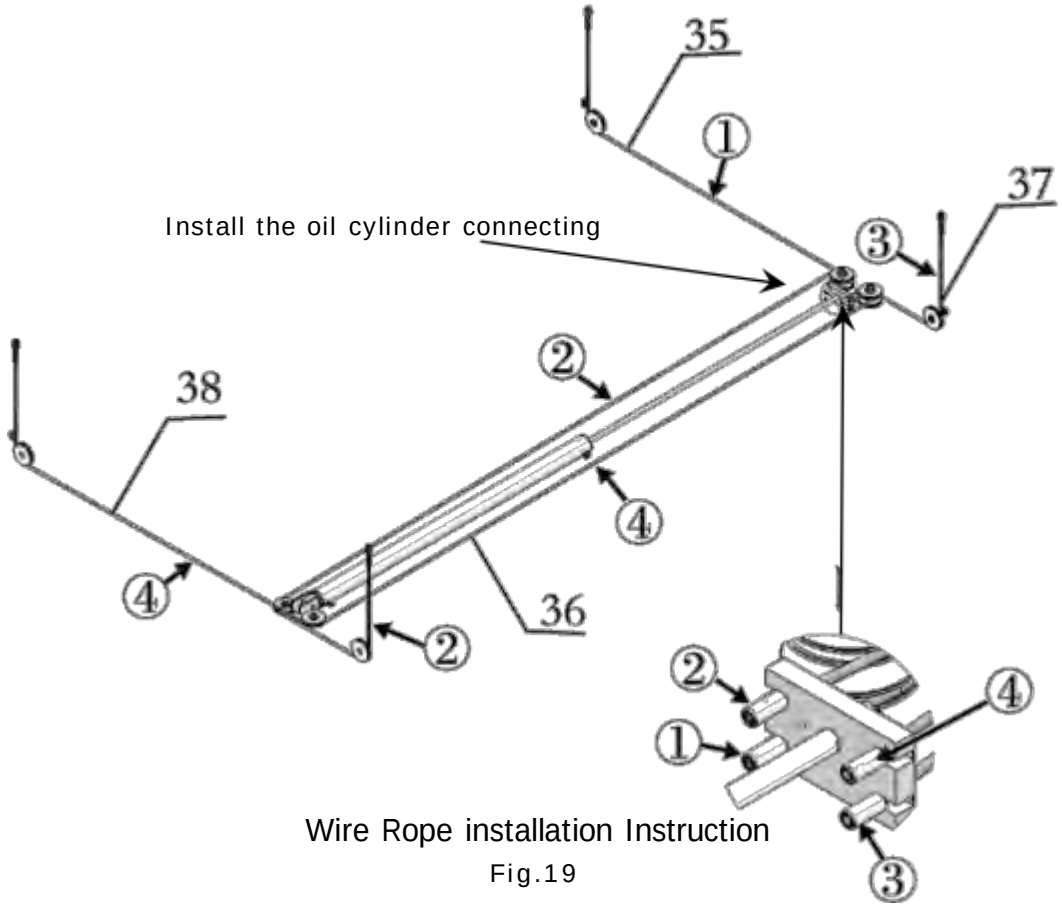
Fig.18

H. Illustration for Wire Rope installation

1. Route the Wire Rope from the power side platform via the pulleys according to the number below and then connect them to the columns. (See Fig. 19)



NO. Wire Rope	○1	○2	○3	○4
Length (inc. connecting fitting)	4782mm (188.27″)	8135mm (320.38″)	3156mm (125.74″)	9762mm (384.33″)



Wire Rope installation Instruction

Fig.19

2. The cable goes through the cross beam to column top plates and tightened with cable nuts (See Fig. 20)

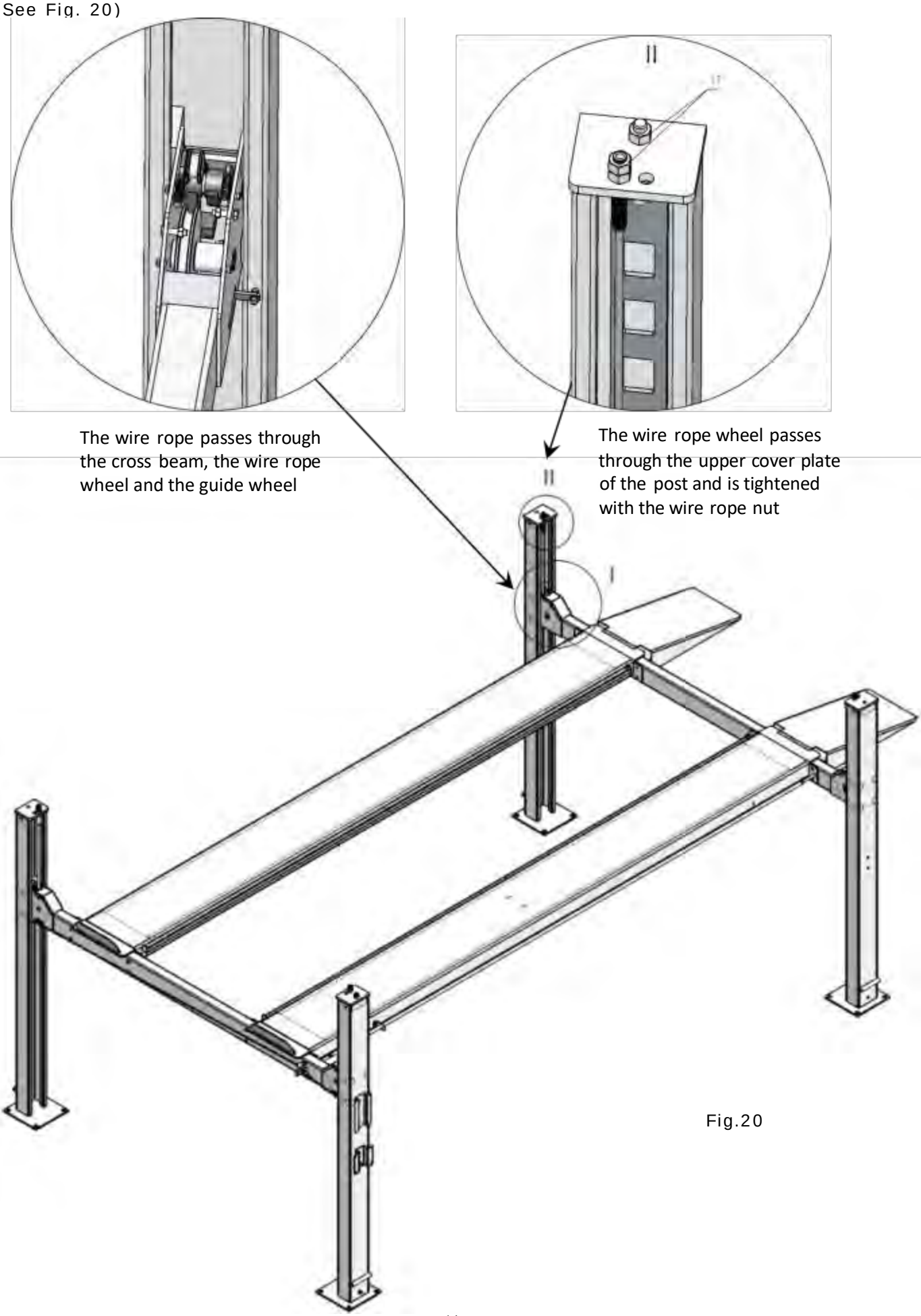


Fig.20

3. Illustration for cables under platform . (See Fig. 21)

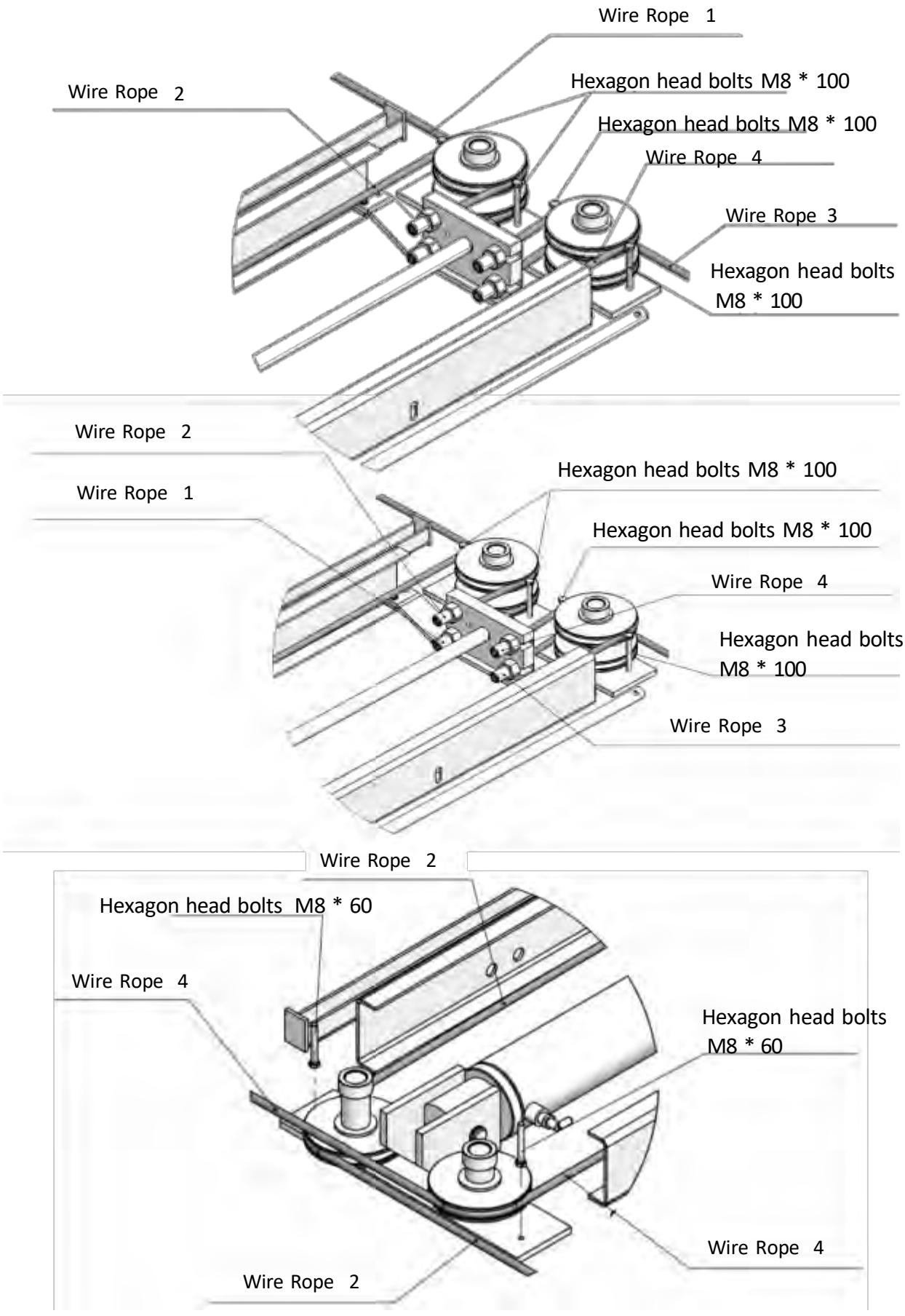


Fig.21

I. Install release handle assy. (See Fig. 22)

Noted: Power unit must be installed near the safety release handle.

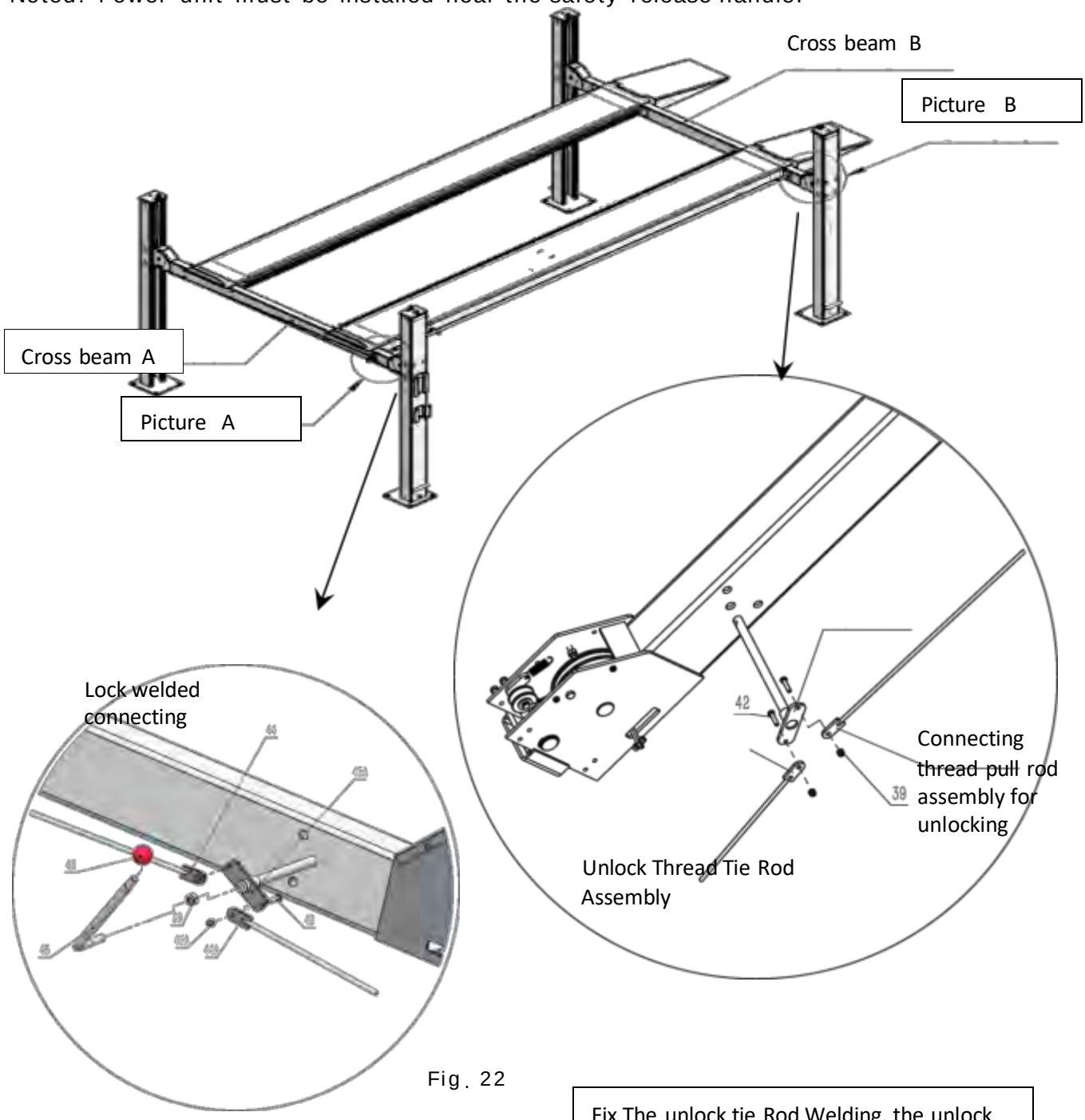


Fig. 22

Safety Lock Connection System

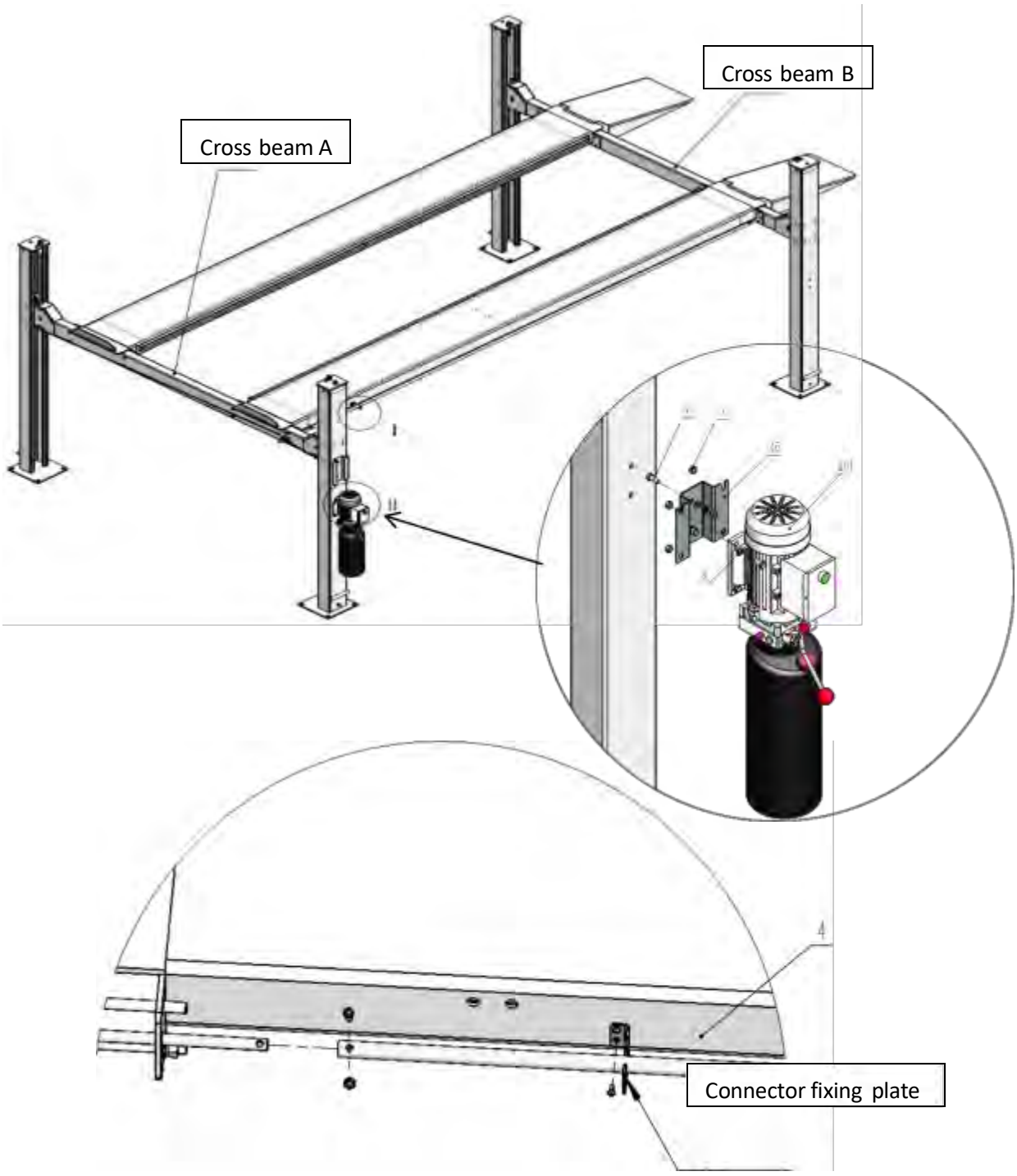
Fix the welding of the unlocking tie rod and the safety lock handle. The welding of the unlocking tie rod is connected with the Hexagon head bolt of M6X25 and the hexagon locking nut of Type 1 non-metal insert and the unlocking thread tie Rod Assembly..

Fix The unlock tie Rod Welding, the unlock tie rod welding is equipped with M6X25 hexagon head bolt and Type 1 non-metal Insert Hexagon lock nut and unlock thread tie rod assembly, unlock linkage thread tie rod assembly to connect.

J. Install power unit and connecting tube (See Fig. 23).

Noted: Power unit must be installed near the safety release handle.

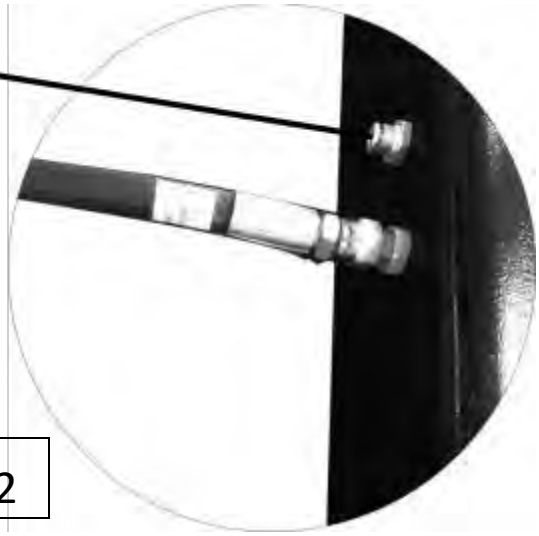
1. Install Power unit on the cross beam A



M8x35, hexagon socket head bolts are used to secure the connecting pipe and connecting rod of the safety device

K. Install Hydraulic System (See Fig. 24)

1



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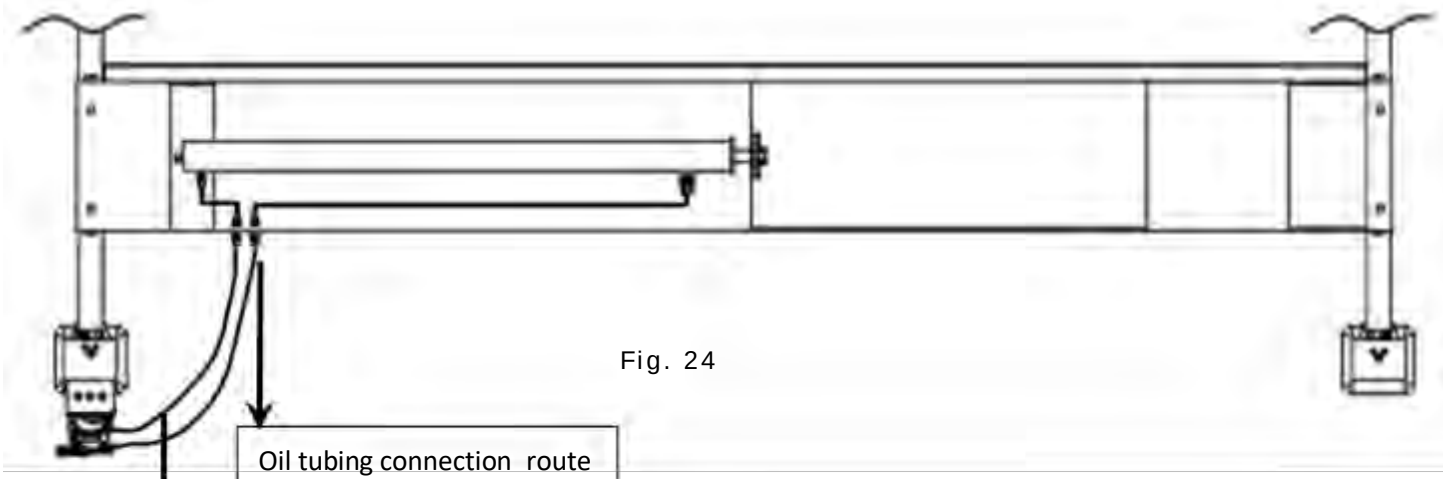


Fig. 24

L. **Install the control box(See. Fig.25)**
(Electric control box is optional)

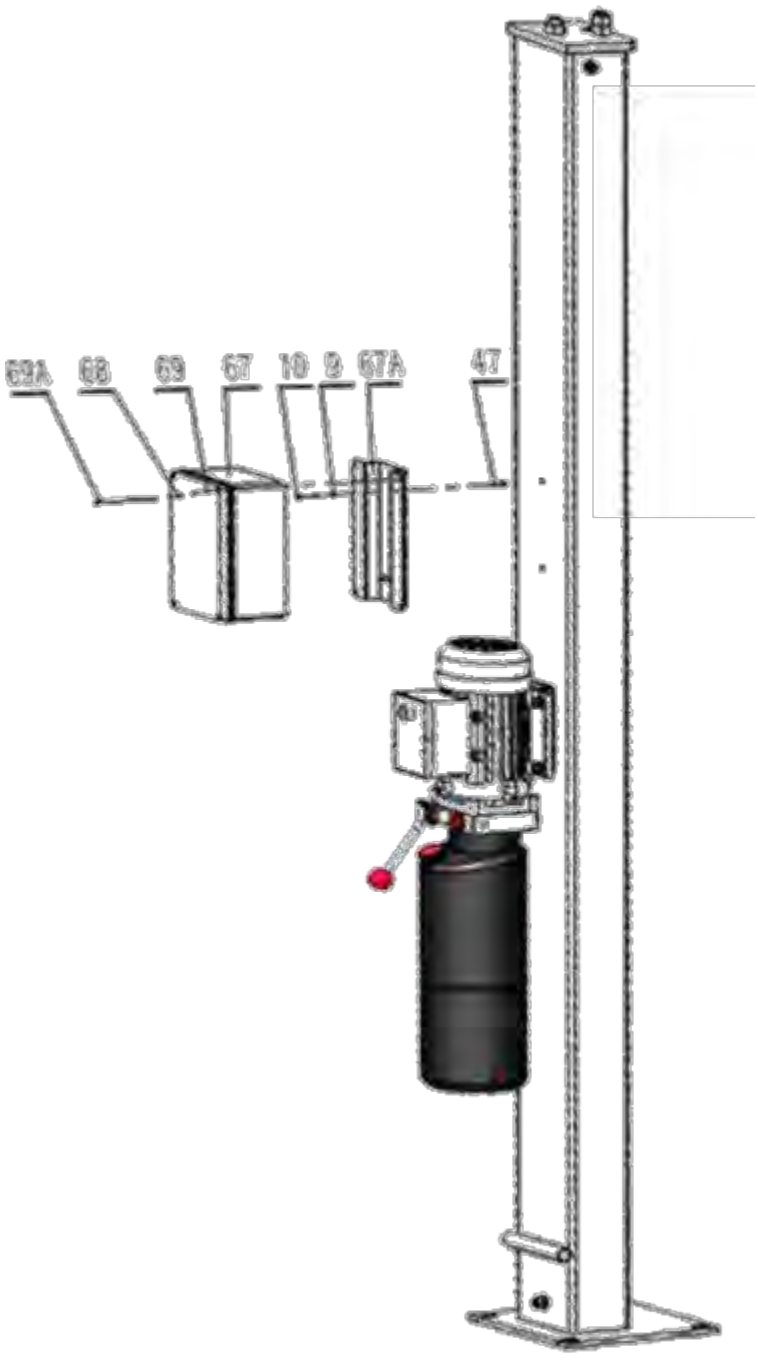
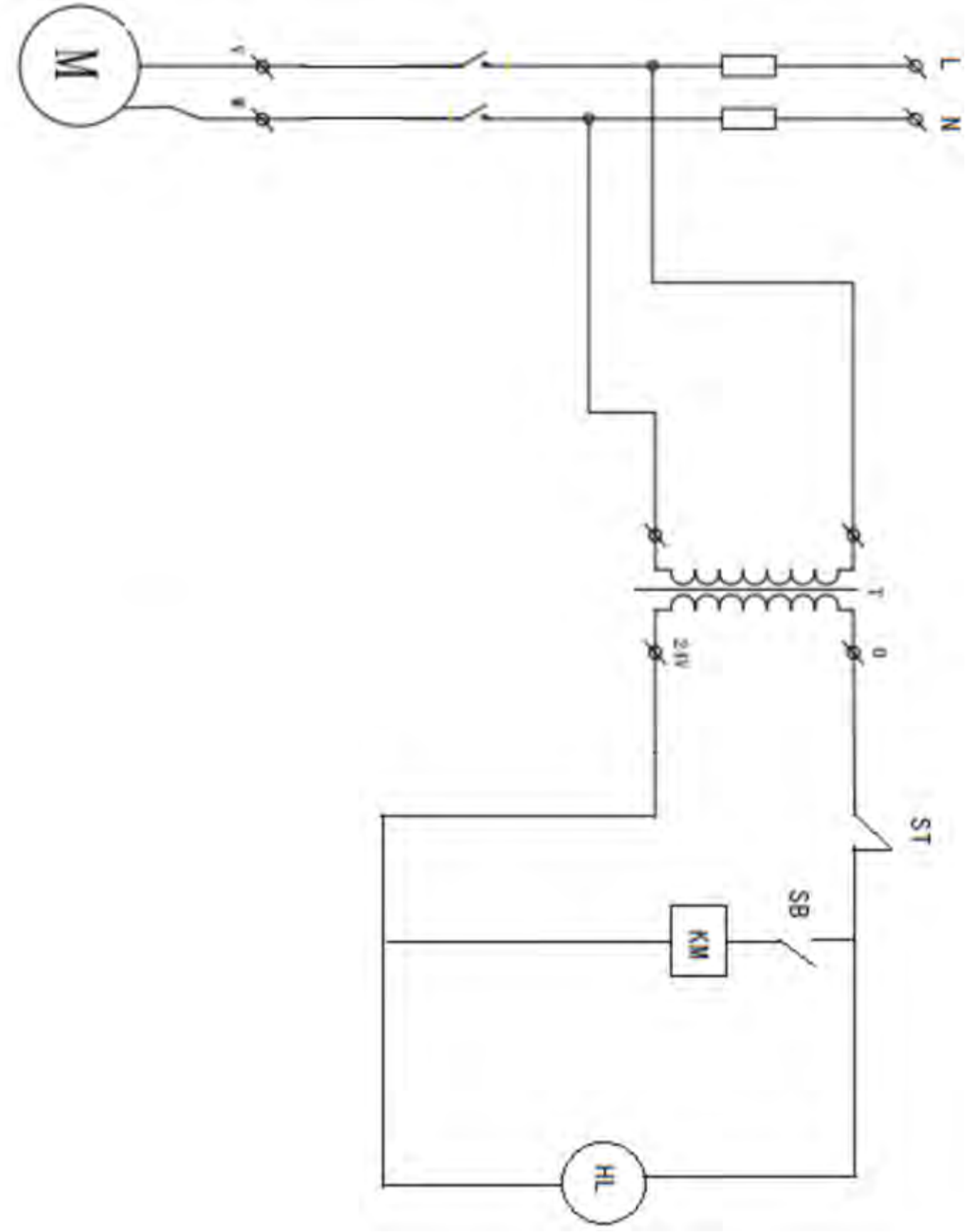


Fig.25

Note: When the cross beam goes to highest place, the cross beam slide block touched the high limit switch drive bar and the lift stop rising.

M、Circuit diagram (See Fig. 26)



N. Install spring and beam safety cover of cross beam (See Fig.27).

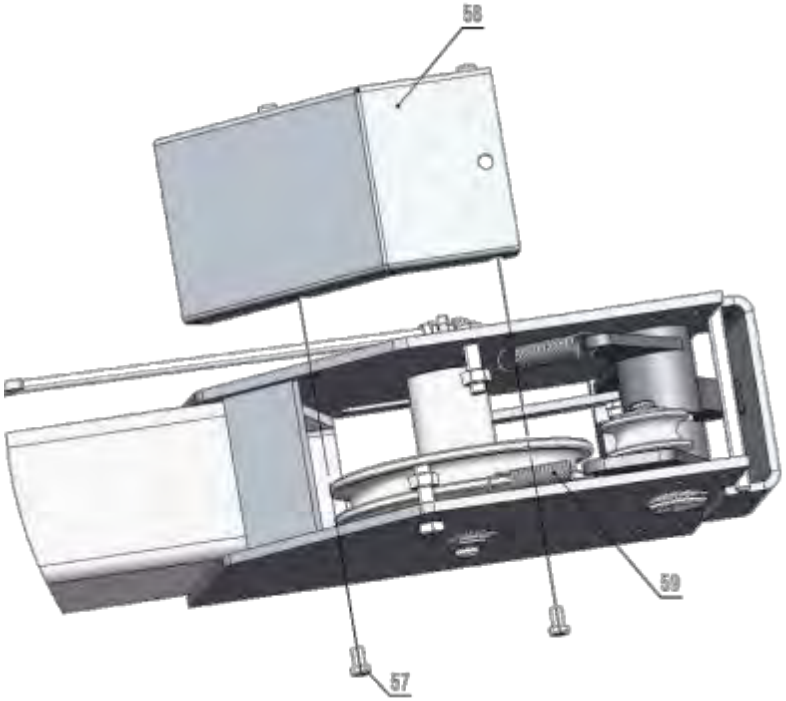


Fig. 27

N. Install drive-in ramp, optional jack tray and optional oil pans (See Fig.28). then attach the drive-in ramp.

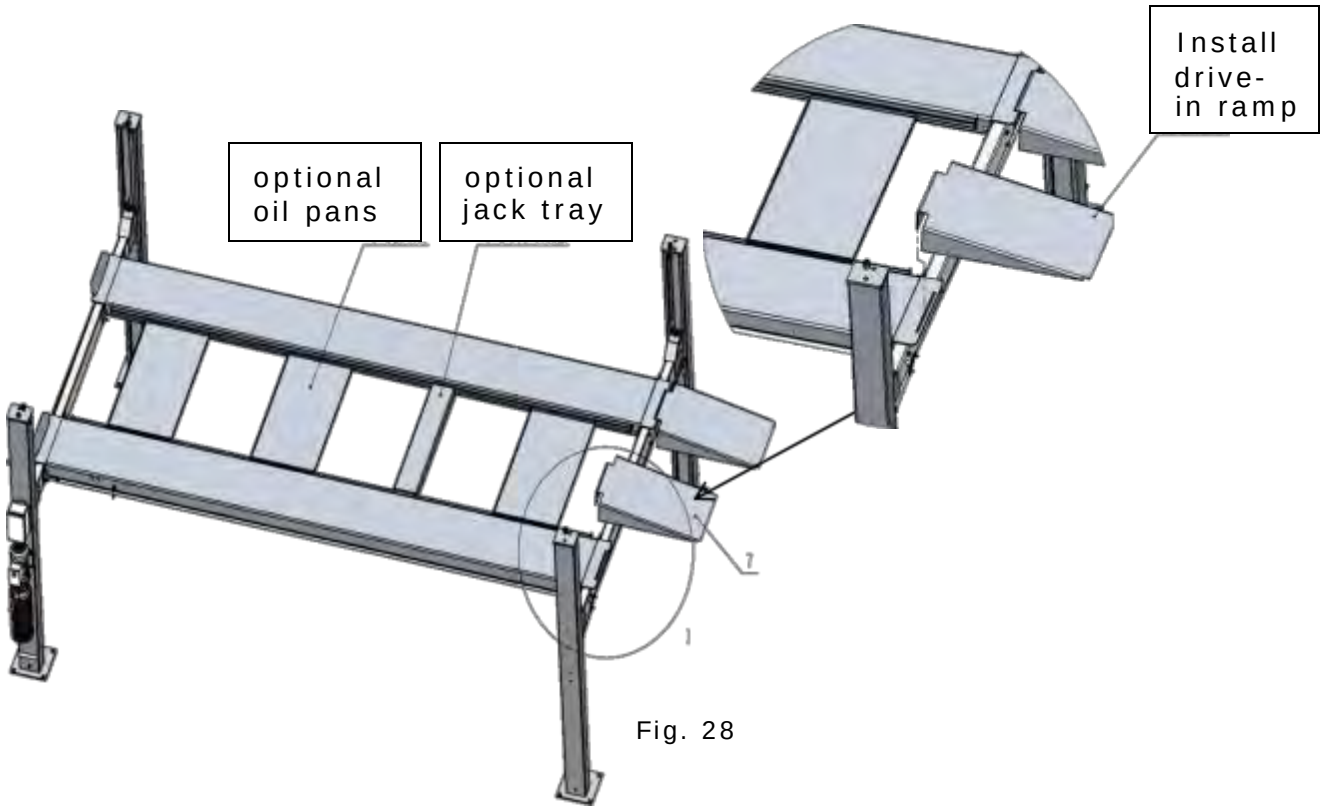


Fig. 28

O. Install front wheel platform baffles (See Fig. 29)

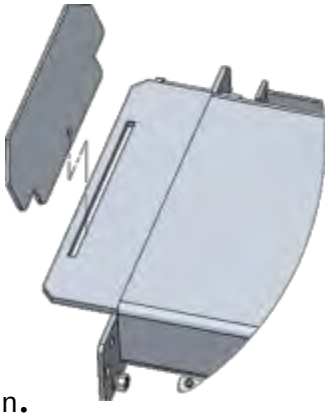
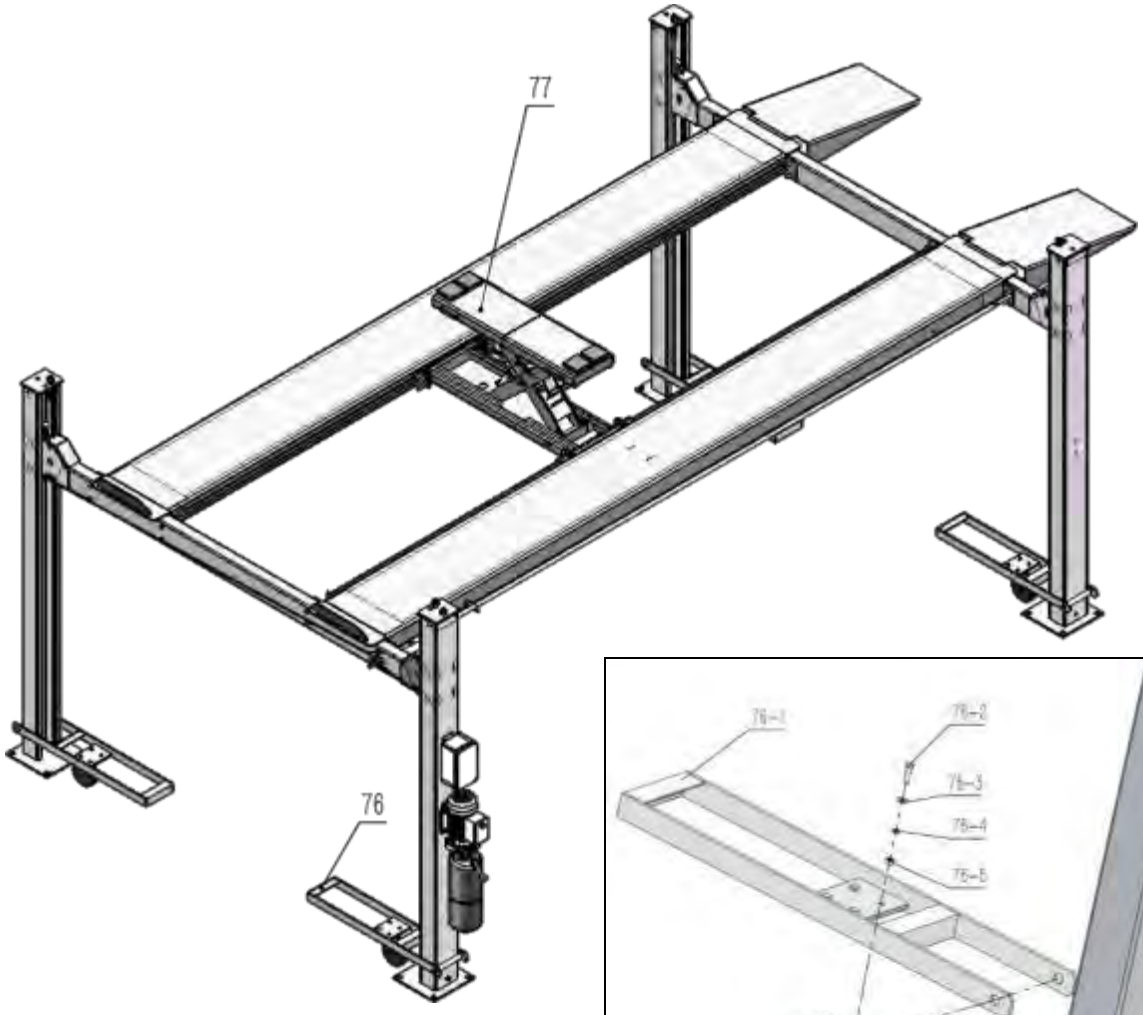


Fig.29

P. For optional kits installation.

1. Install optional caster kits or jack(assembly body)-------optional (See Fig. 30)



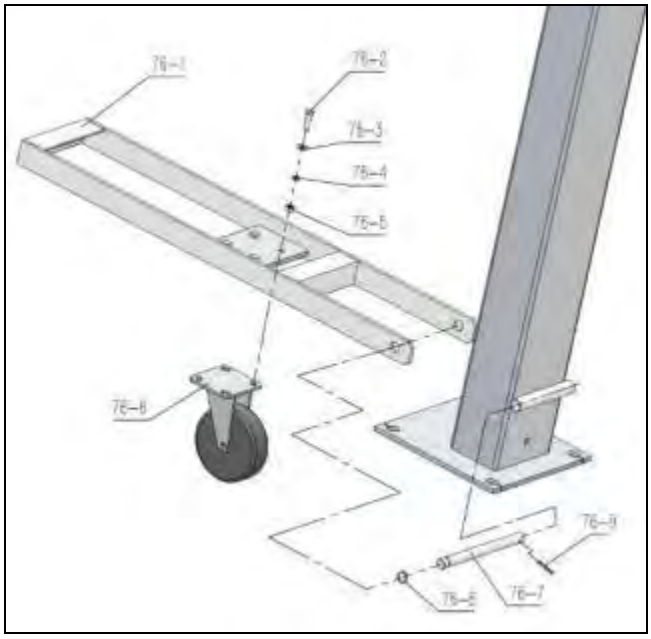


Fig.30

2. Install motor fixing bracket (See Fig. 31)

Fig.31

Q. Fix the anchor bolts

1. 1. Prepare the anchor bolts (See Fig. 32)

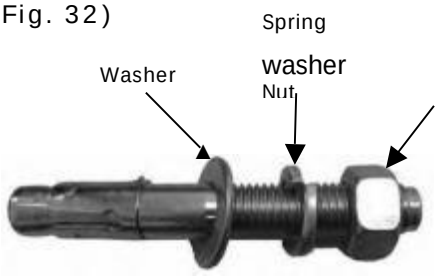


Fig.32

1.2 Adjust the column with the leveling bar and leveling pad , drill the anchor hole and install the anchor bolts. Tap the anchor bolts into the anchor hole with a hammer and tighten the bolts.(See Fig.33)

Note: The tightening torque for the anchor bolt is 150N.m.
Tap anchor bolts into the anchor hole at least 90mm deep.

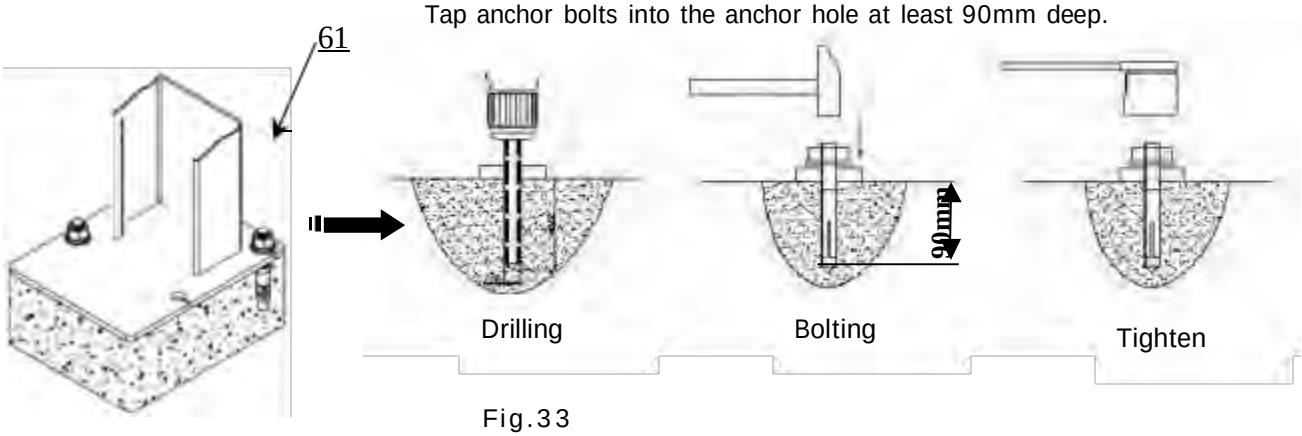
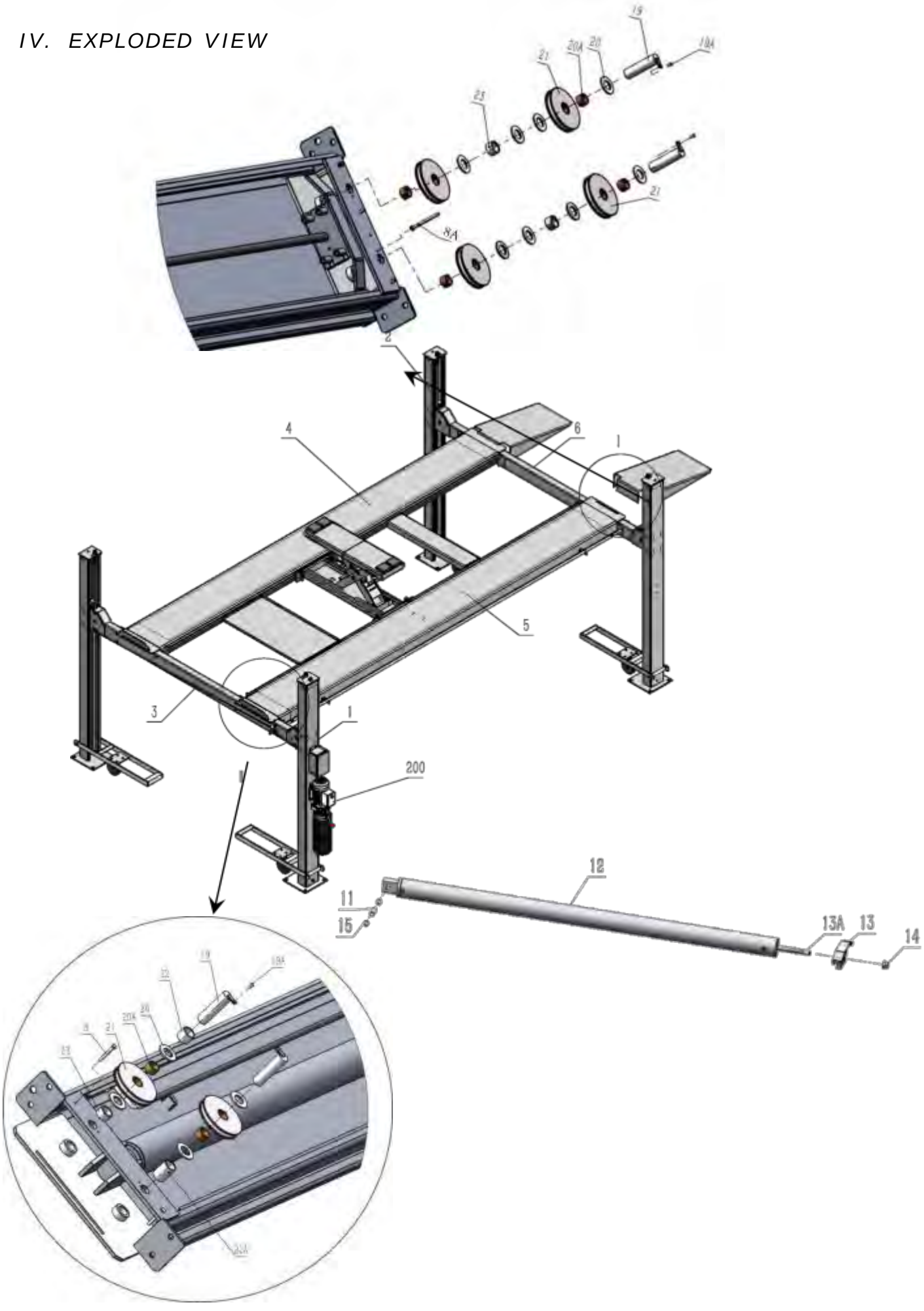
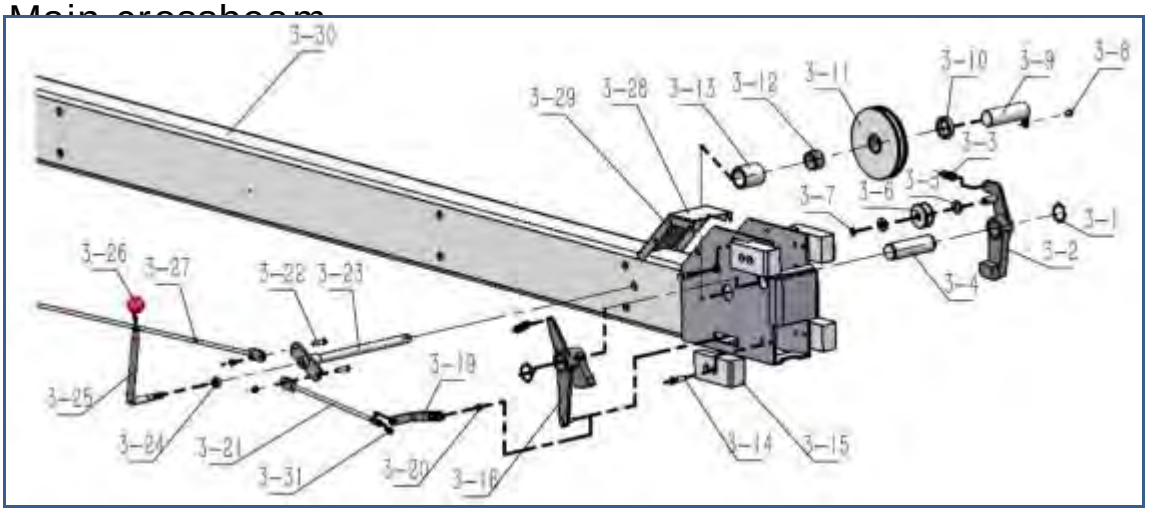


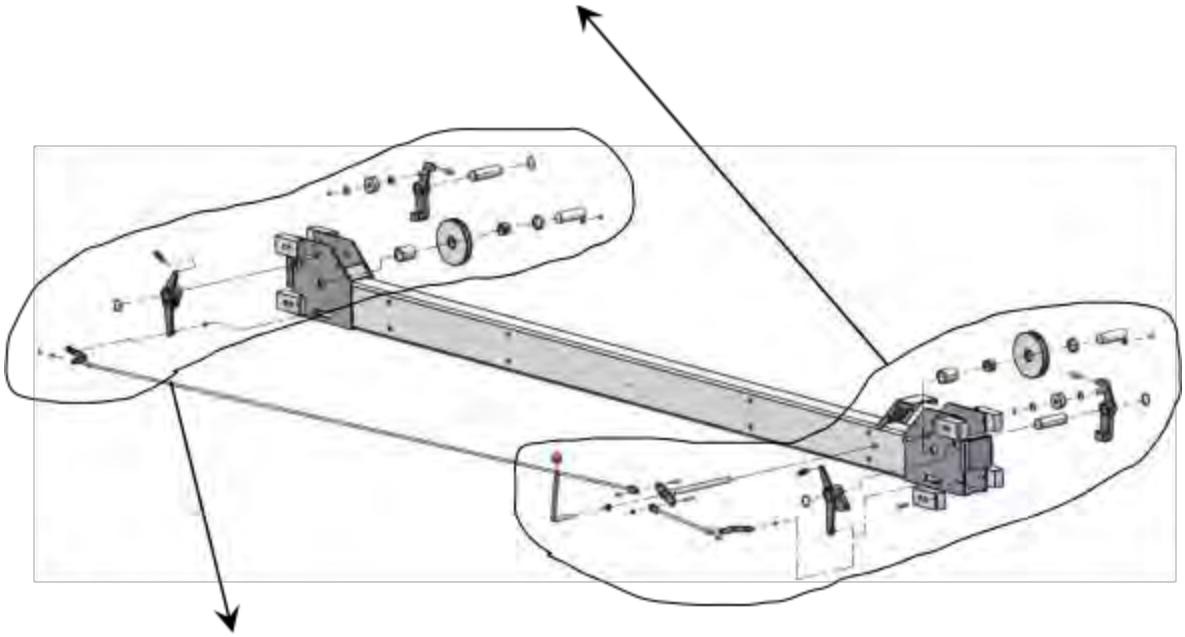
Fig.33

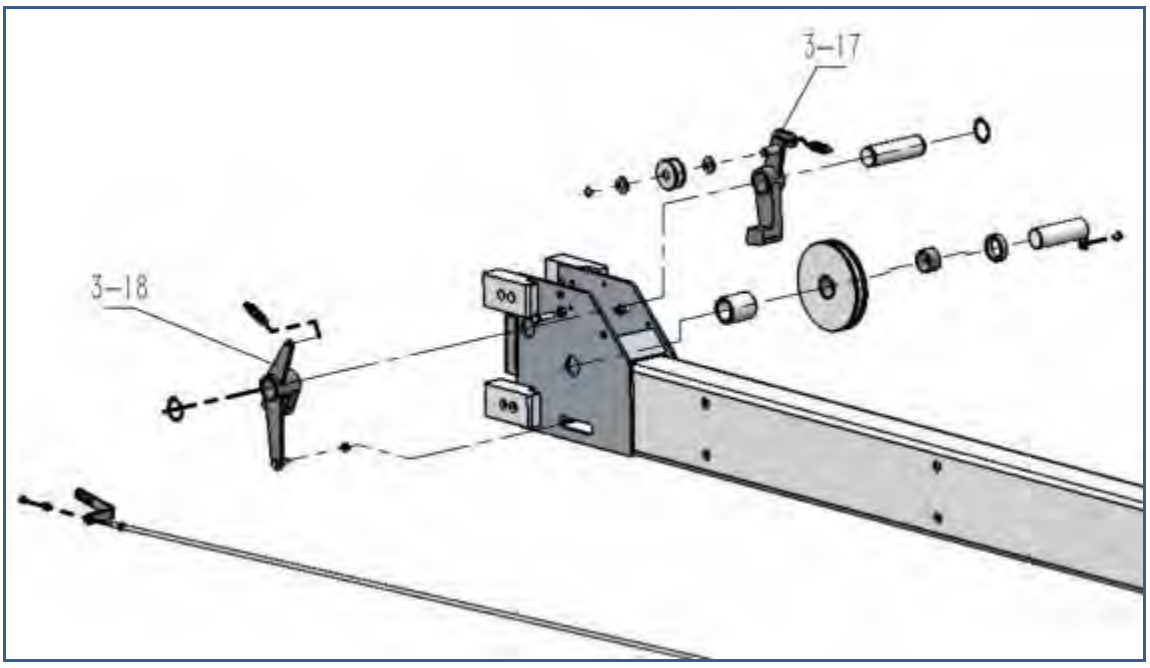
IV. EXPLODED VIEW



Main crossbeam

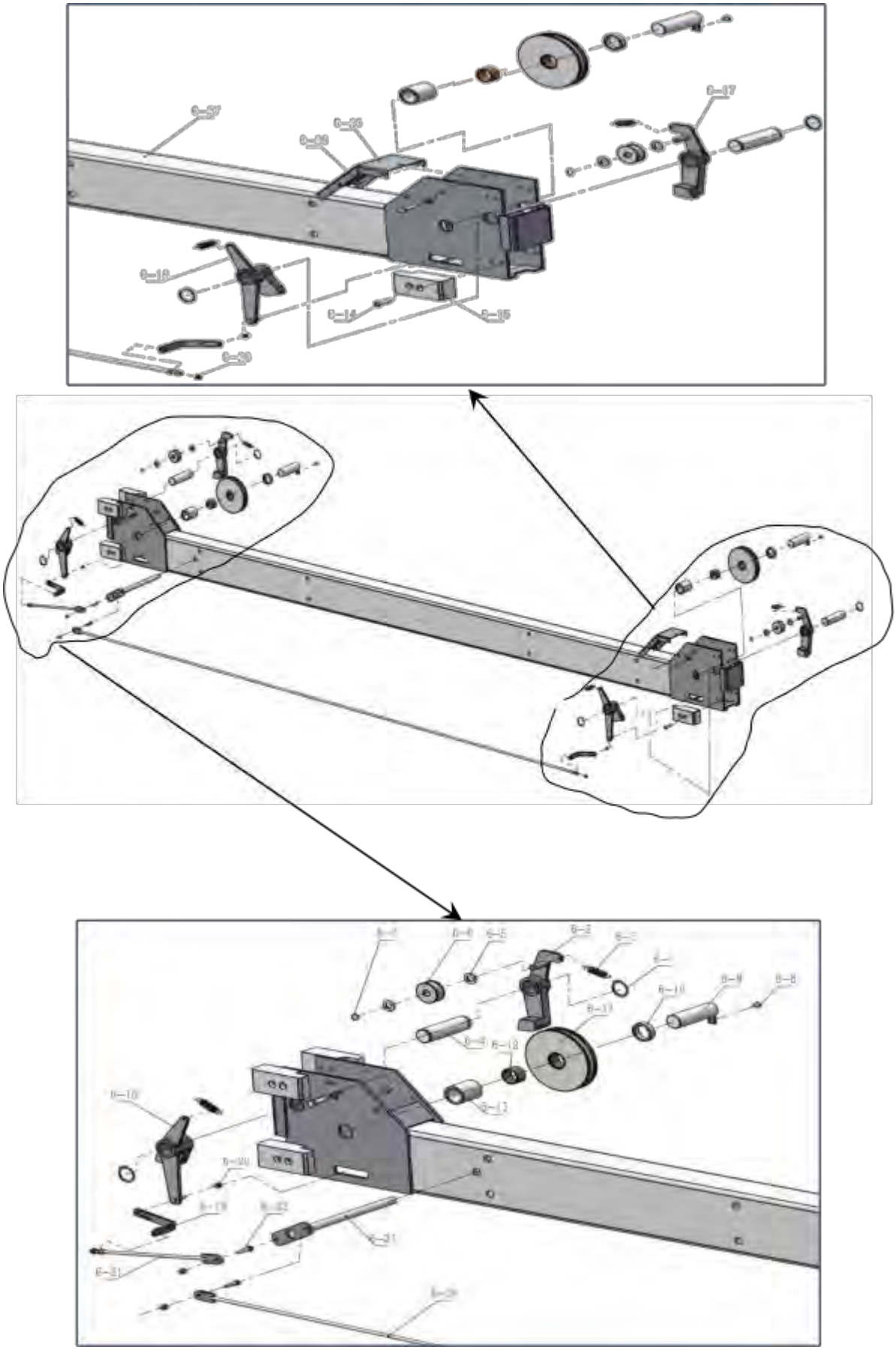






Detail table of main crossbeam decomposition

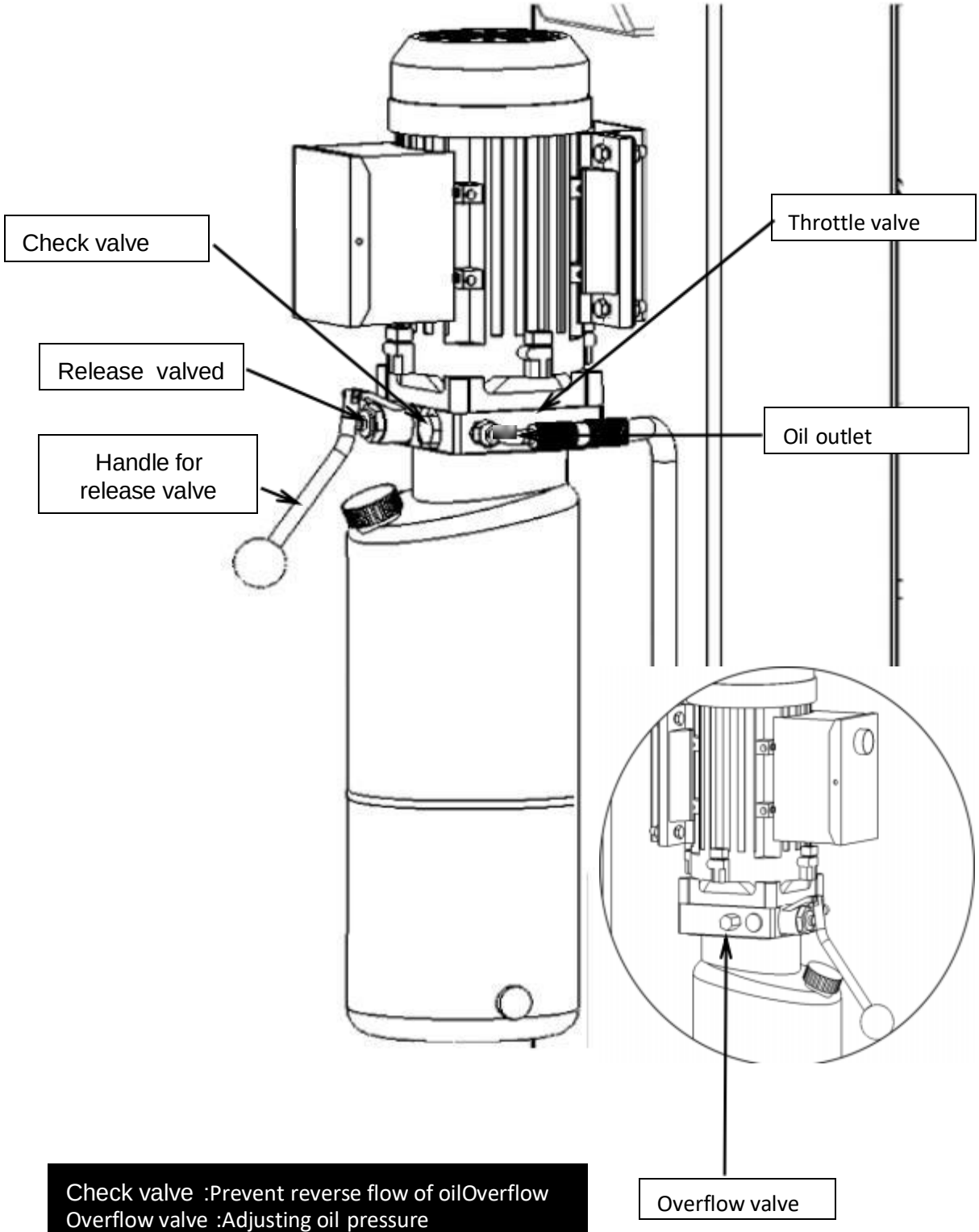
Secondary Cross member



Analytical List of sub-cross member

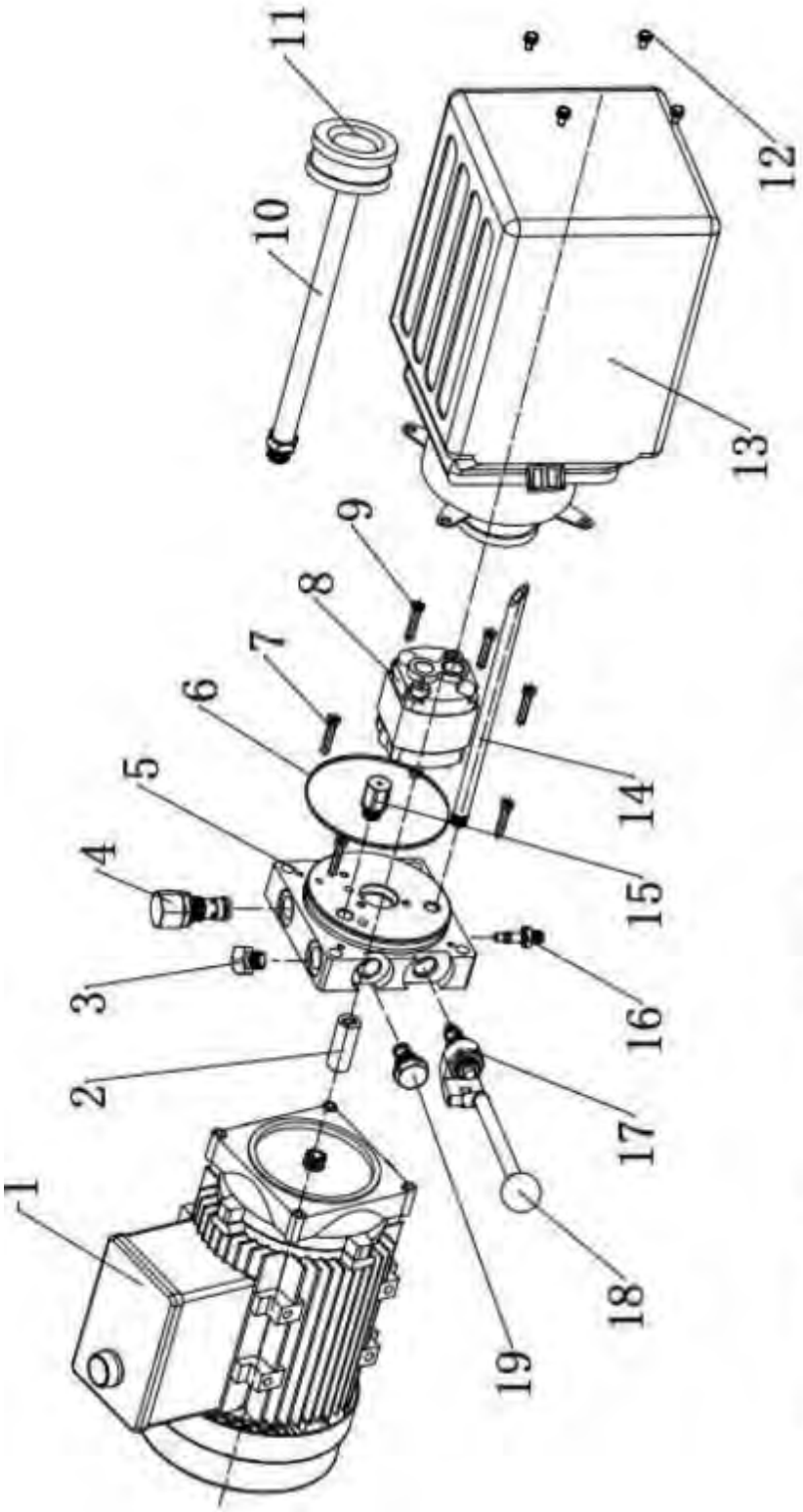
List of other machine parts（Refer to the text breakdown diagram）

Motor Function Analysis



Check valve :Prevent reverse flow of oilOverflow
Overflow valve :Adjusting oil pressure
Throttle valve :Adjusting the descent rate

Motor drawing and part list



Nos.	Name	Quantity
1	Iron motor	1
2	Motor connecting shaft	1
3	Valve block blockage	1
4	Overflow valve	1
5	Valve Body	1
6	O-Ring	1
7	Valve Body Bolt	4
8	Gear Pump	1
9	Gear Pump Bolt	2
10	Oil Inlet Pipe	1

Nos.	Name	Quantity
11	Filter	1
12	Socket bolt	4
13	oil storage tank	1
14	Oil REturn PiPe	1
15	Buffer Valve	1
16	Throttle valve	1
17	Release valved	1
18	Handle for release valve	1
19	Check valve	1
20		

V. TEST RUN

1. Fill the reservoir with Hydraulic Oil.

2. Press button control box  till the cables are strained. Check the cables and confirm they are in the proper pulley position. Make sure the cables are not across.

3.When the Power Unit pressure relief valve is pressed down , the cross beam will be locked to the safety ladders and then adjust the platforms to be level by adjusting the nuts of safety Ladder. Tighten the nuts above and under the safety ladder top plate After leveling.

4. Adjust the cable fitting hex nuts to make platforms and four safety locks work synchronously. You need to run the lift up and down for several times, meanwhile do the synchronous adjustment till the four safety devices can lock and release at the same time.

5. After finishing the above adjustment, test running the lift with load. Run the lift with platforms in low position first, make sure the platforms can rise and lower synchronously and the safety device can lock and release synchronously. And then test run the lift to the top completely.

6.If there are anything improper, repeat the above adjustment.