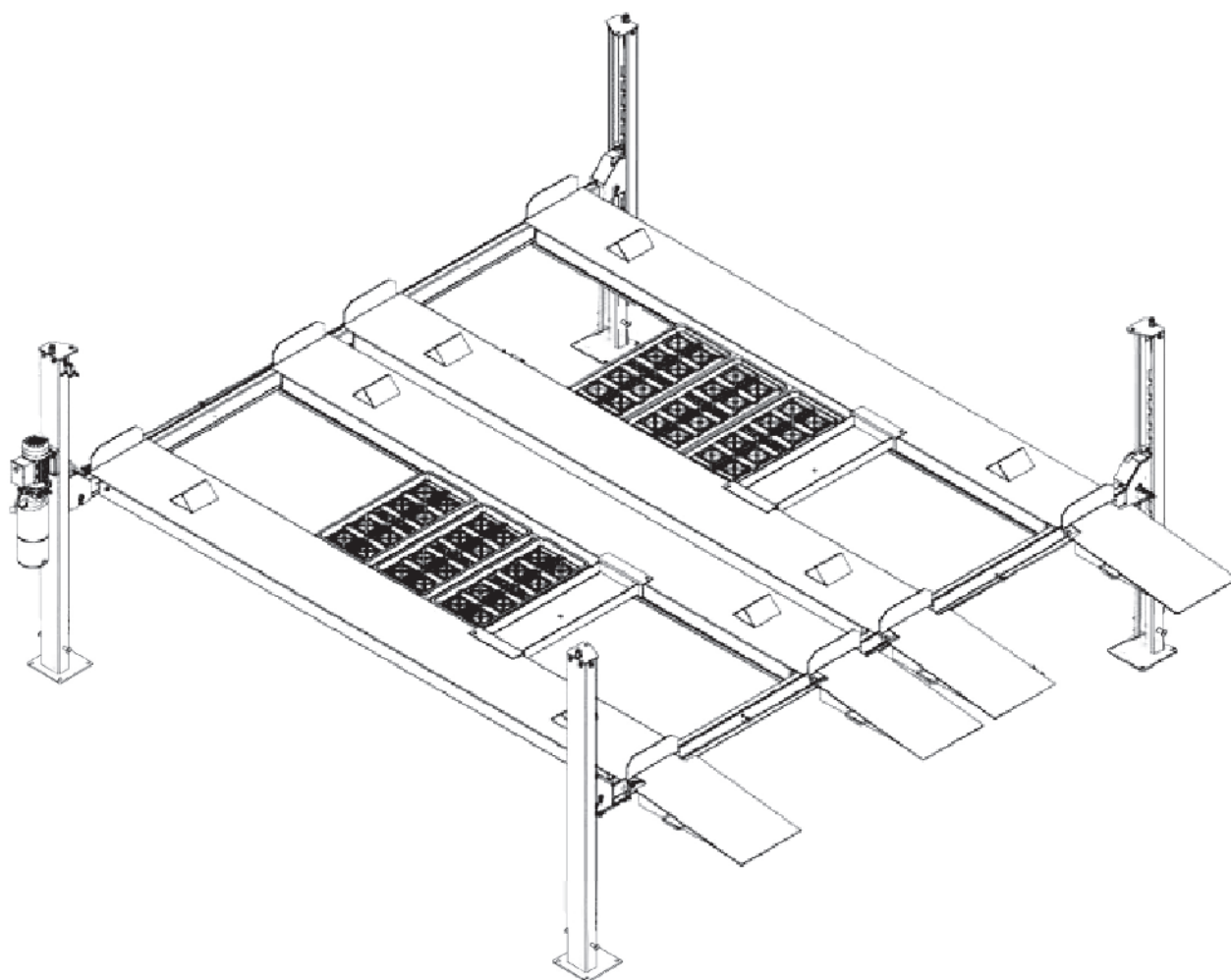




9000lbs Dual Parking Lift

MODEL: TRDW40TS142M

INSTALLATION, OPERATION AND MAINTENANCE MANUAL



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SAFETY INSTRUCTIONS

1.1 Statement

- We will give the user one-year warranty of quality for the machine. If something wrong with the machine within the term of service, we will repair or replace the product according to the user's demand. The manufacturer will not take any responsibility for improper installation and operation, overload running, wrong concrete ground (that cannot meet the requirements in the manual), normal mechanical abrasion and insufficient maintenance.
- The lifting machine is designed for lifting vehicles and does not allow any other use. Neither the dealers nor we are liable for the accidents and damage caused by the machines for other purposes.
- Be sure to pay attention to the tonnage mark on the machine and shall not attempt to lift the vehicle beyond the rated lifting weight.
- Please read the manual carefully before installation and operation of the lifting machine so as to avoid any loss of property or even personal injury caused by improper operation.
- In the absence of the manufacturer's permission, no user may alter the control and other mechanical parts of the machine without permission.

1.2 Qualified operator and instructions for use

- 1.2.1 Professional trained personnel can operate the lift.
- 1.2.2 Electrical connections must be operated by personnel with electrical qualifications.
- 1.2.3 Laypeople shall not use lifting machines.

1.3 Notes

- 1.3.1 Concrete shall have compression strength of at least 3,000 PSI and a minimum thickness of 6-1/4" in order to achieve a minimum anchor embedment. Do not install the lift on asphalt. The thickness of the concrete must meet the requirements.
- 1.3.2 Before you operate the lift, read and understand the instructions for safety operation carefully.
- 1.3.3 Customers do not have special needs customized, lifts are generally not used outdoors.
- 1.3.4 Hands and feet away from the lift's moving parts, when the machine falling, remove the hands and feet, to avoid being hurt.
- 1.3.5 Professional trained personnel can operate the lift.
- 1.3.6 The operator is not allowed to wear loose clothing so as not to be caught in the moving parts during the lifting of the machine.
- 1.3.7 The lifting machine must be kept clean and tidy and should not be piled up so as not to cause accidents.
- 1.3.8 The lifter is designed to lift the vehicle as a whole rather than a part; do not attempt to lift more than the rated lifting weight of the vehicle.
- 1.3.9 Work under the car, make sure the safety of the lift in engaged state. CRAIG:
- 1.3.10 Lift the lifting pad must be placed in the vehicle manufacturers recommended position, and then slowly lift the vehicle, to determine the smooth, no tilt, tipping, fall off in order to lift to the desired height.
- 1.3.11 Check the parts for damage at any time, check the synchronism of the machine and the flexibility of the moving parts, and pay attention to the regular maintenance. Once the abnormal situation is found, stop using and contact the dealer immediately.
- 1.3.12 Please completely lower the machine after operation.
- 1.3.13 The components of the lift shall not be altered without the manufacturer's permission.
- 1.3.14 If the machine is not used for a long time, the user needs to
 - A. Cut-off power
 - B. Empty hydraulic fluid
 - C. Lubricated the moving parts with hydraulic oil.

Attention :

The parking car lift belongs to high-risk products, installation or improper operation, or modify the mechanical components, are likely to cause injury or death of the operator, read the instructions carefully and strictly follow the requirements of work, and do not randomly discharge liquid, protect the surrounding Environment.

1.4 WARNING SIGNS

All safety warning signs presented on the machine with the purpose to draw the operator's attention from dangerous or unsafe situations. The labels must be kept clean and they have to be replaced if detached or damaged. Read the labels carefully and memorize it.

CAUTION Lift to be used by trained operator ONLY.	CAUTION Authorized personnel only in lift area.
WARNING Remain clear of lift when raising or lowering vehicle.	WARNING Clear area if vehicle is in danger of falling.
WARNING Keep feet clear of lift while lowering.	WARNING Keep clear of pinch points when lift is moving.
WARNING Check wheel to prevent vehicle movement.	WARNING Do not override self-closing lift controls.
SAFETY INSTRUCTIONS Read operating and safety manuals before using lift.	SAFETY INSTRUCTIONS Proper maintenance and inspection is necessary for safe operation.
SAFETY INSTRUCTIONS Do not operate a damaged lift.	SAFETY INSTRUCTIONS The messages and pictographs shown are generic in nature and are meant to generally represent hazards common to all automotive lifts regardless of specific style. Replacement labels sets may be obtained from the original lift manufacturer.

IMPORTANT OPERATION / MAINTENANCE INSTRUCTIONS FOR 4-POST AUTOMOBILE LIFT PLEASE READ

OPERATION

- Adjust ramp width as necessary so that vehicle tires are in center of each ramp.
- Set parking brake or use a wheel chock to hold vehicle in position.
- Before raising vehicle be sure all personnel are clear of the lift. Pay careful attention to the overhead so as not to raise the vehicle into an obstruction.
- Raise vehicle to the desired working height.
- Lower lift on nearest safety ladder to support base.
- Do not permit the chains to go slack.

TO LOWER THE LIFT

- First raise the lift to clear the safety ladder.
- Depress air safety release button and HOLD.
- If not so equipped manually raise the 4 safety catches.)
- Put the lowering handle and hold until the lift has descended completely.
- If the lift is shaking, vibrating or swaying reduce the descending speed. Consult your manual or call the factory.
- Lift should descend at the same speed as raising.)

WEEKLY MAINTENANCE

- Lubricate chains with SAE 30 oil.
- Check all chain connections, knots and pins to insure proper mounting.
- Lubricate primary safety pivot pins with general purpose lubricating oil.
- Lubricate the 4 air cylinders by placing approximately 2 drops of general purpose oil down the piston shaft hole.
- Lubricate all rollers with 90 weight oil or equivalent.

MONTHLY MAINTENANCE

- Check rollers making sure they are in good operating condition.
- Inspect all anchor bolts and tighten if necessary.
- Check post for straightness according to manufacturers specifications.
- For lift with ramp options Follow procedure as outlined above for normal lubrication of pivot points and safety inspection.

WARNING

1. WARNING If cement anchor bolts are loose or any component of the lift is found to be defective DO NOT USE LIFT!
2. Never operate the lift with any person or equipment below.
3. Always stand clear of lift when lowering or raising.
4. Never exceed the rated capacity.
5. Always insure safeties are engaged before any attempt is made to work on or near vehicle.
6. Never leave lift in an elevated position unless the safeties are engaged.

ALL ROLLERS MUST BE LUBRICATED WEEKLY WITH 90 WT.GEAR OIL OR EQUIVALENT. COVER MOTOR IF OUTSIDE DAMAGE TO MOTOR CAUSED BY DAMP CONDITIONS IS NOT COVERED UNDER WARRANTY.

DANGER

SAFETY LOCKS ENGAGED OK TO PROCEED

SAFETY LOCKS NOT ENGAGED REMAIN CLEAR

SAFETY LADDER

BLACK SAFETY REMAIN SAFETY

BLACK SAFETY REMAIN SAFETY

VISUALLY CONFIRM THAT ALL PRIMARY SAFETY LOCKS ARE ENGAGED BEFORE ENTERING WORK AREA.

Suspension components used on this lift are intended to raise and lower lift only and are not meant to be load holding devices. Remain clear of elevated lift unless visual confirmation is made that all primary safety locks are fully engaged and the lift is LOWERED onto the safety locks. Refer to installation/operation manual for proper safety lock procedures and/or further instruction.

WARNING

WIRE ROPE INSPECTION AND MAINTENANCE

- Lifting cables should be replaced every three years or when visible signs of damage are apparent. DO NOT USE LIFT WITH DEFECTIVE/WEAR CABLES.
- Wire rope should be maintained in a well-lubricated condition at all times. Wire rope is only fully protected when each wire strand is lubricated both internal and external. Excessive wear will shorten the life of the wire rope. The factory suggested wire rope lubricant that penetrates to the core of the rope and provides long-term lubrication between each individual strand is AMSOIL Synthetic Open Gear and Wire Rope Compound. In order to make sure that the inner layers of the rope remain well lubricated, lubrication should be carried out at intervals not exceeding three months during operation.
- All sheaves and guide rollers in contact with the moving rope should be given regular visual checks for surface wear and lubricated to make sure that they run freely. This operation should be carried out at appropriate intervals generally not exceeding three months during operation. For all sheave axles, the factory recommends standard wheel bearing grease. For all sheaves and/or guide rollers, the factory recommends 90-WT gear oil or similar heavy lubricant applied by any method including pump/spray dispensing, brush, hand and/or swabbing.

Failure to read, understand, and follow these instructions may cause death or serious injury. Read and understand these instructions before using lift.

1.5 Noise standard

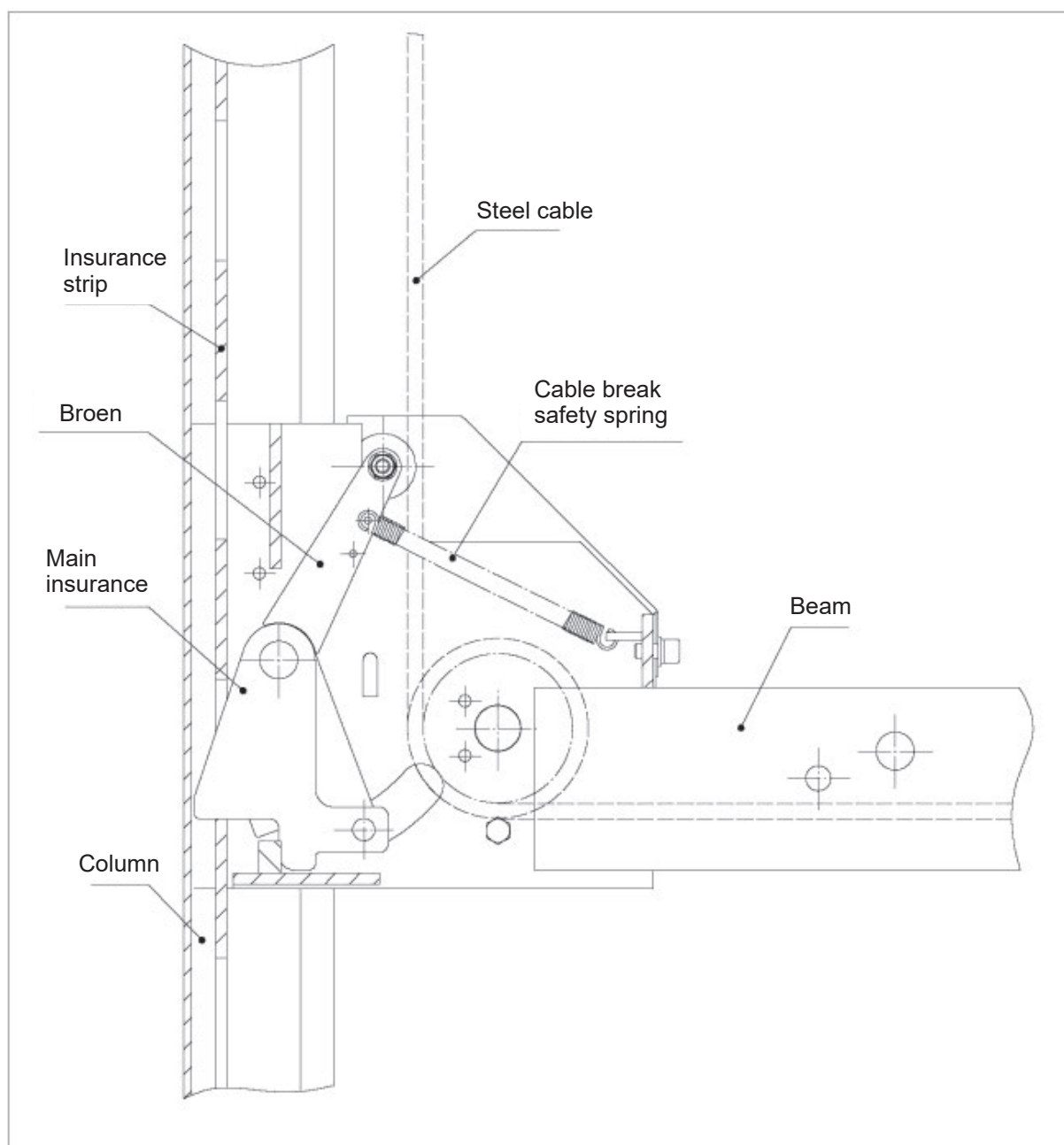
Lifting machine noise should be less than 75dB, for your health sake, it is recommended to put a noise meter in your work area, observe the noise of the lifting machine at any time.

INTRODUCTION

2.1 Product description

- A: Four parking lift is composed of a main side column, beam, bridge, bridge, safety mechanism, hydraulic cylinder, power unit and other major components.
- B: The power unit is switched on, the gear pump operation, promote the hydraulic oil cylinder piston rod, wire rope driven mobile cylinder movement process, because the steel wire rope traction between bridge decks and beams, so as to realize the lift up and down movement, and then achieve the purpose of lifting.
- C: The insurance agency safety lock block in each process will automatically rise and bite the column within the rack together, make sure not because the hydraulic system failure caused by falling.

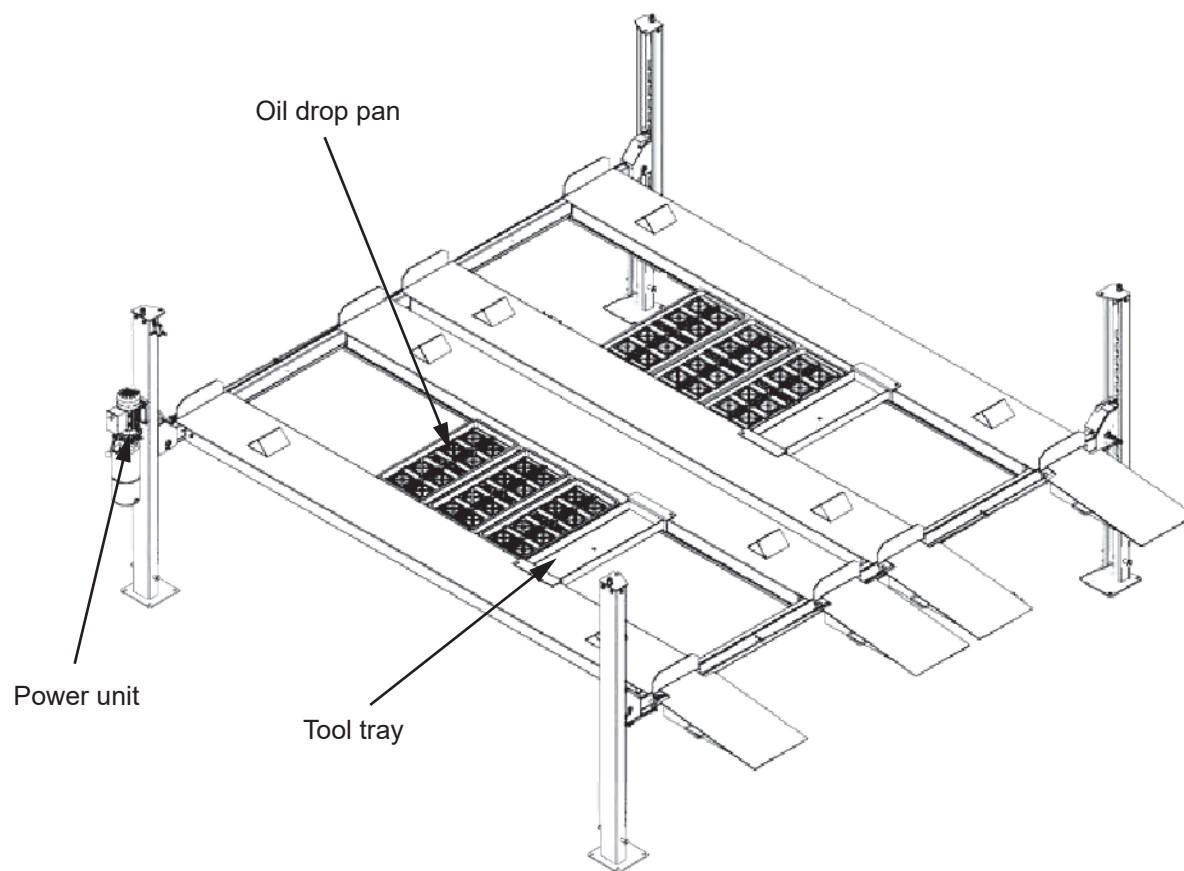
Security structure diagram



2.2 Technical parameter

Model	TRDW-4.0TS-1-4.2M
Lifting capacity	9000lbs
Rise / fall time	≤60s
Lifting Height	74-13/16"
Total height	86-1/16"
Total width	184-7/8"
Total length	217-3/4"
Overall length	217-3/4"
Overall Length Plate to Plate	175-5/8"
Overall width	184-7/8"
Overall height	86-1/16"
Max. lifting height to top of run- ways	74-13/16"
Minimum ground clearance	7-3/16"
Approach ramp length	51-5/16"
Runway dimensions length	165-5/16"
Runway dimensions width	18-11/16"
Clearance between runways (Adjustable)	37-3/16"
Max. clearance between posts	175-5/8"
Time of full rise (seconds)	≤ 60s
Motor phase(s)	1 Phase
Voltage	208-240 V
Htz	50/60 Hz
Power Rating (W)	2200
Amperage (A)	14/14.7
Overall Dimensions (in.)	217-3/4"x184-7/8"x86-1/16"
Includes	Oil drop pan, Tool tray , Block the tire bracket
Manufacturer warranty	1Year Limited

2.3 Main structure of the machine



INSTALLATION

3.1 Before installation

3.1.1 Tools and equipment needed

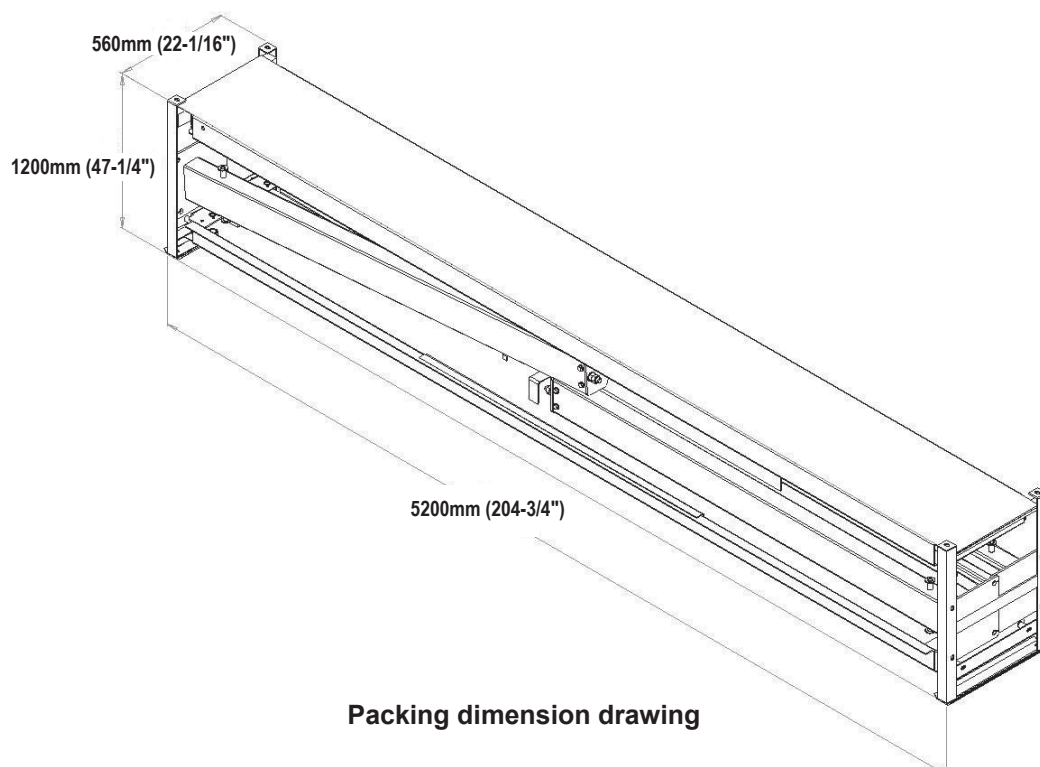
1. Lifting equipment 1 piece
2. Antiwear hydraulic oil 12 L No. 32 or 46 anti-wear hydraulic fluid (22.5lbs-23.8lbs).
3. Electric drill
4. Chalk
5. Tape
6. Magnet sag
7. Ø15mm horizontal pipe 8 m
8. Open spanner 1 set
9. Inner hexagon spanner 1 set
10. Phillips #2 screwdriver
11. Flat #2 screwdriver
12. A needle nose pliers
13. Ø17mm, Ø19mm, Ø22 mm Socket wrench 1 each
14. Hammer 1 pieces (4 pounds)
15. Circlip pliers 1 piece

3.1.2 Ground requirement

The car lift must be installed on the concrete ground level, concrete strength is more than 3000psi, the error is less than 3/16", and the minimum thickness is no less than 6-1/4" and the new pouring concrete needs maintenance of 28 days above.

3.1.3 Check accessories

Open the package and check for missing parts in accordance with attachment 1 (complete machine packing list). Once missing parts found, contact the distributor or the manufacturer immediately. If leakage is found, installation is still performed, distributor shall not be held responsible and shall not be settled free of charge.



Packing dimension drawing

3.2 Precautions during installation

- During installation, please observe that the two upright columns are parallel and vertical to the ground, and shall not be tilted.
- Hydraulic hose and steel cable connection, the joint must be connected in place, so as to avoid oil leakage and steel cable loose.
- All bolts and nuts must be tightened to ensure fastening.
- No vehicles shall be placed during the test.

3.3 Installation steps

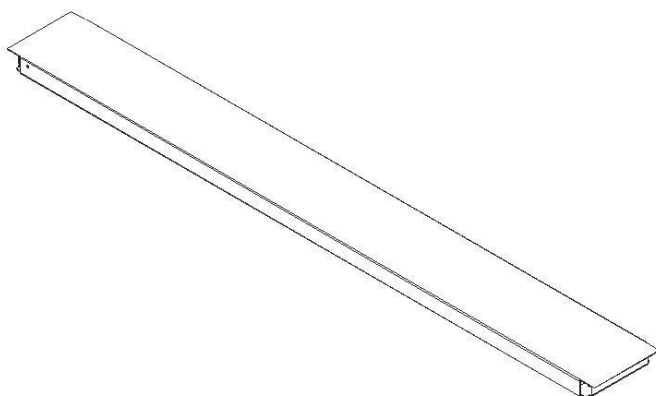
Step 1: Choose the suitable place

The lift is for indoor use only. It is installed on strong concrete, not installed on the expansion joint of the cement ground, and shall not be installed on the ground floor of the two or high floor without the permission of the relevant building personnel.

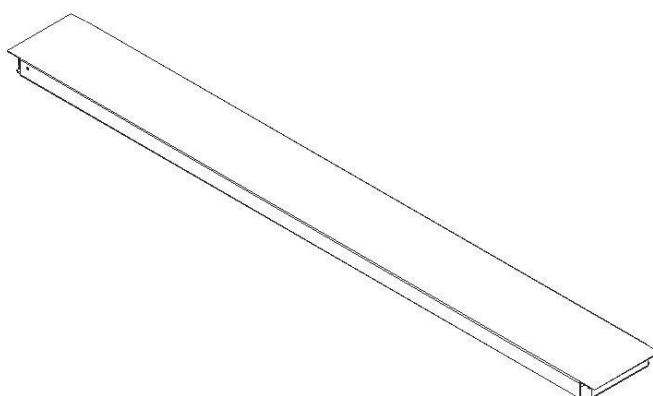
Step 2: Determine the installation position and lift the hoist to the installation site with a crane

Step 3: Disassembly package

1. The pre placed wood on the ground (wood thickness greater than 3-15/16"), crane for packaging side below the runway is placed on wood, the purpose is to let off the ground at the bottom of the packing frame.
2. Remove the packing.
3. Remove the connecting screws between the main bridge board and the packing rack. Hang the runways with the crane and put it in the free space.

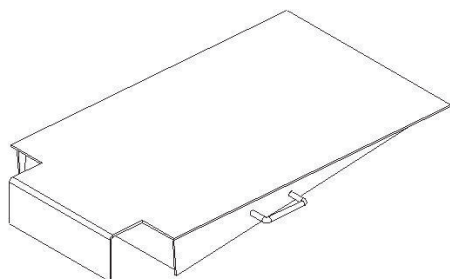


PG23 1-1 Powerside runway 1 piece

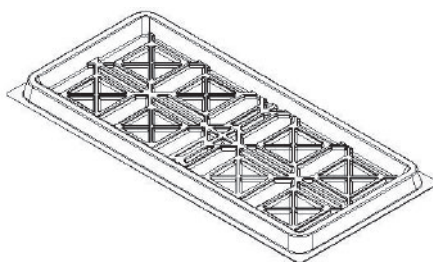


PG23 1-2 Offside runway 3 pieces

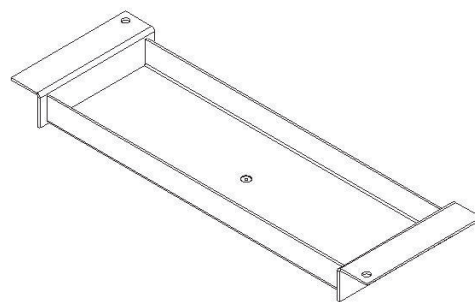
4. Remove the packing bags, take A:4 approach spans, B:6 oil drop pans, C:2 tool plates, D:1 power units, E:1 parts cases, and put them in the free space.



PG23 1-15 Approach spans 4 pieces

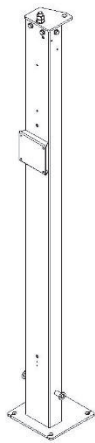


PG23 1-7 Oil drop pan 6 pieces

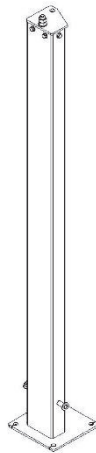


PG23 1-8 Tool tray 2 piece

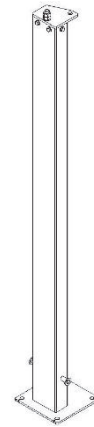
5. Remove the belt and remove the screws from the main and secondary posts and the packing frame. Take the main and the secondary columns off and put them in the free space



PG23 1-3
Main column 1 pieces
(with motor board)

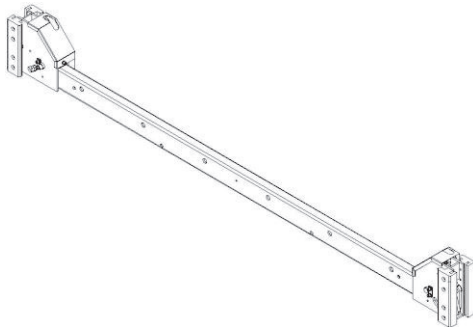


PG23 1-2
Secondary column 2 pieces

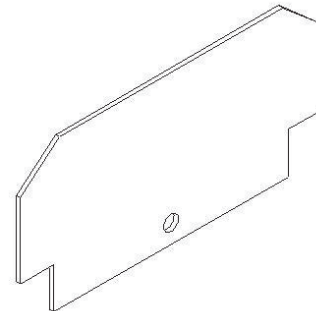


PG23 1-2
Secondary column A 1 pieces

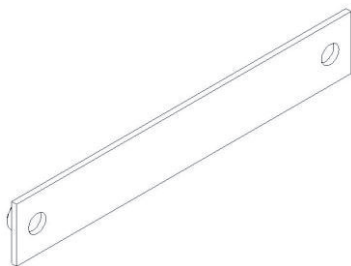
6. Take out: A: beam 2, B: insurance mechanism is connected with the 1 sets of C components before and after blocking 8, D: dashboard 8, E: Tire bracket 8 , put it in a free place



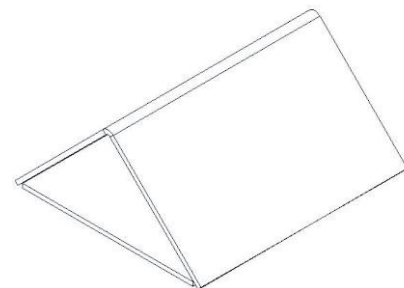
PG23 1-6 Beam 2 pieces



PG23 1-10 Before and after blocking 8 pieces



PG23 1-11 Dashboard 8 pieces

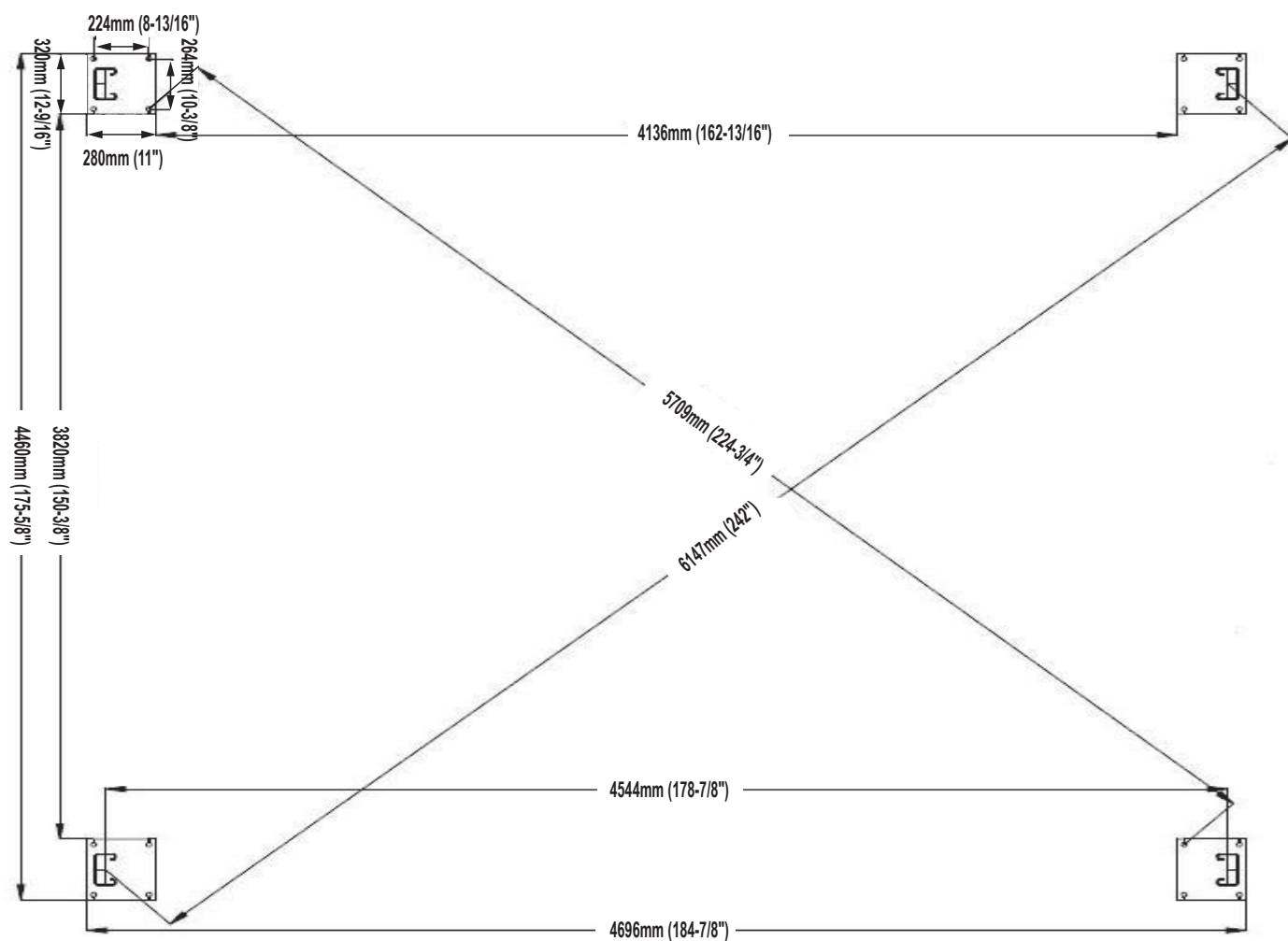


PG23 1-12 Block the tire bracket 8 pieces

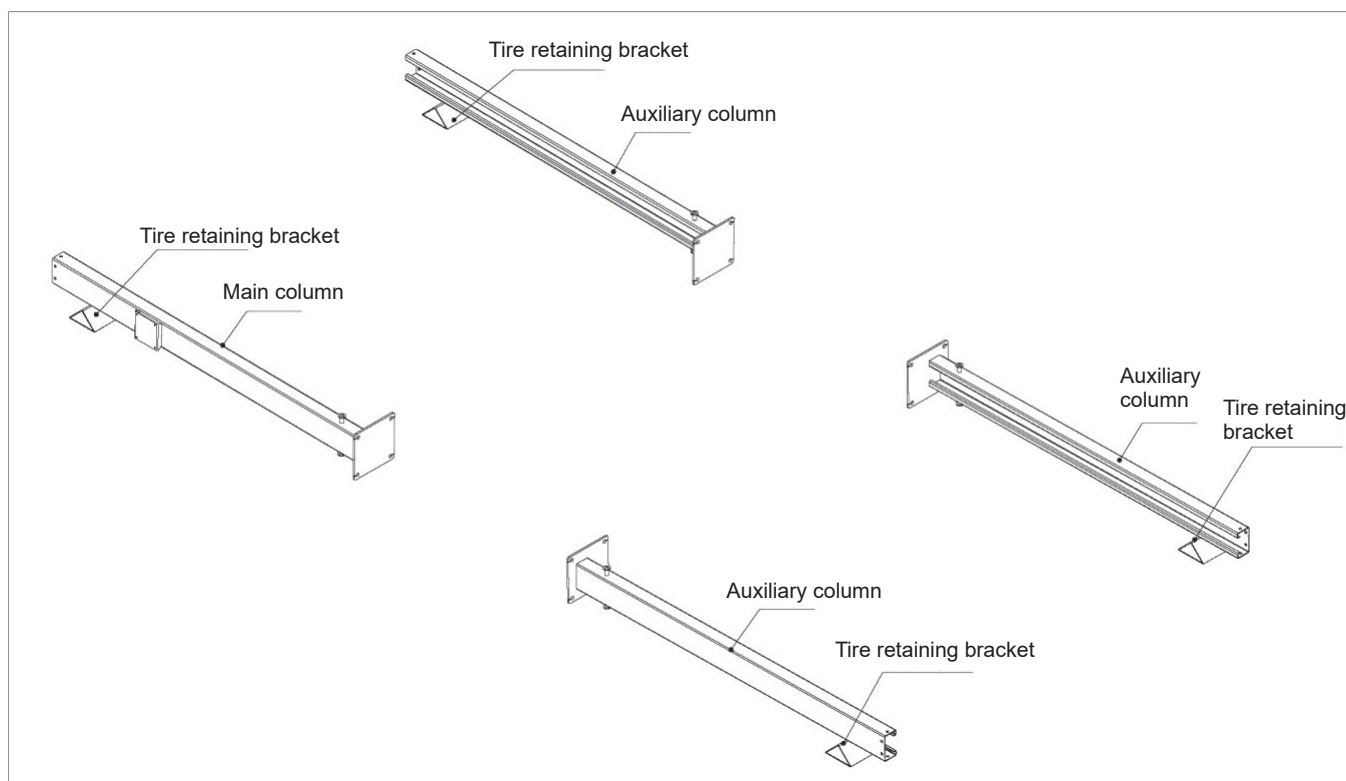
7. The demolition of the runway and side packing frame screws, remove the packing frame, crane for bridge side away, moved to the vacant places.

Step 4: Install column and beam

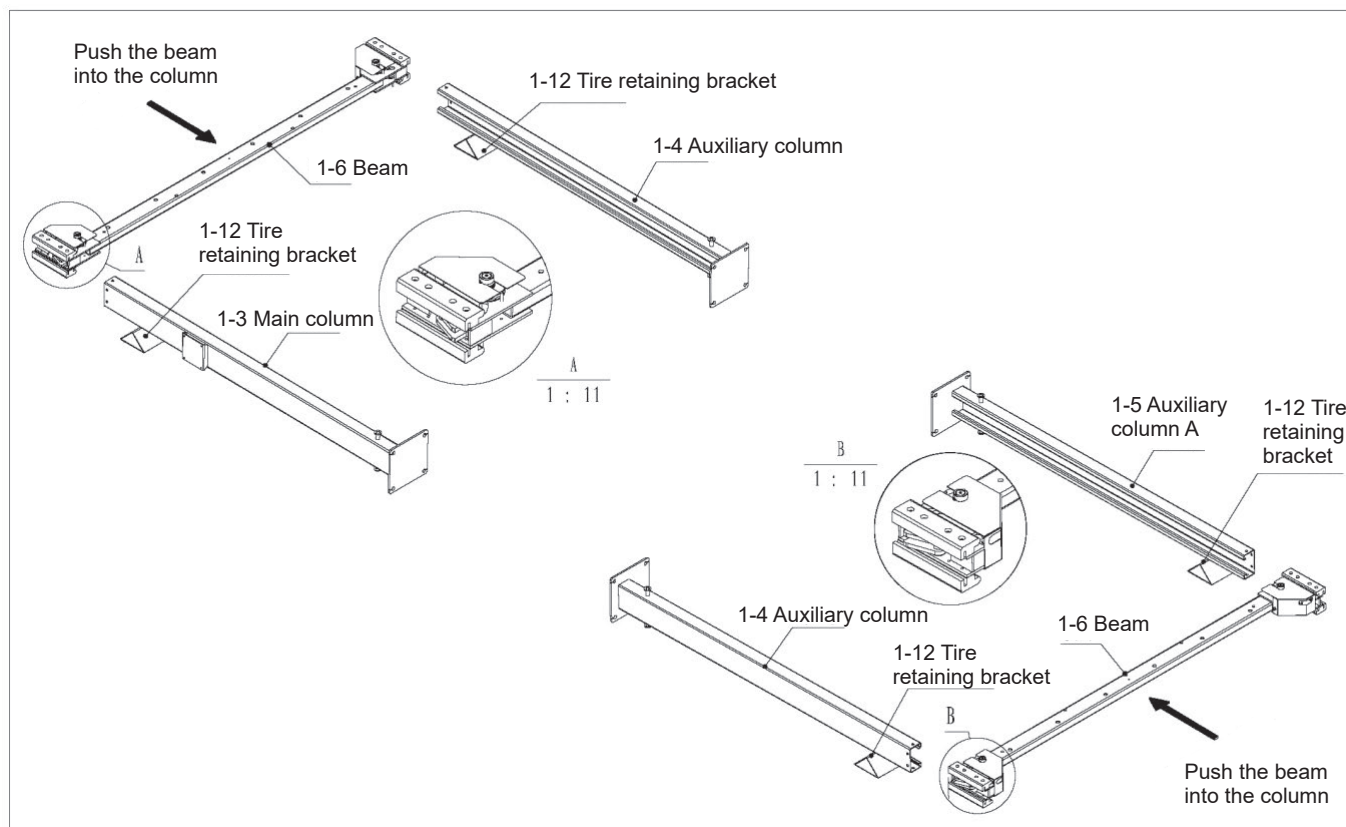
1. Mark the standing points of the four columns with tape measure and chalk, make sure the two diagonals are the same length.



2. Position the column with the tire retaining bracket and place the column upright on the ground, as shown below.

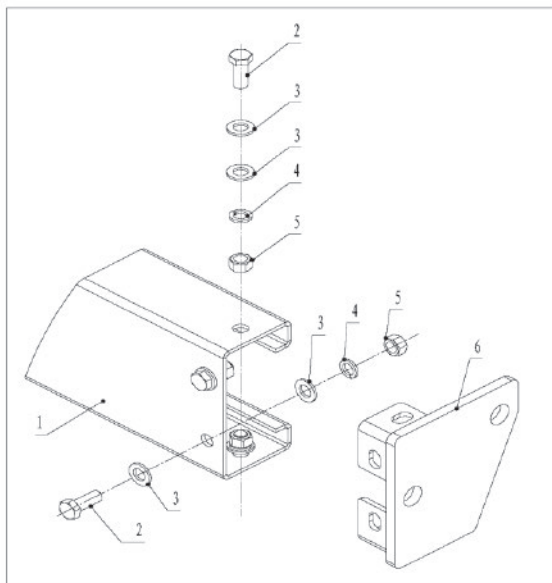


3. Load the beam in the column, as shown in the following figure. (Notice: when installing the beam, pay attention to the direction of the beam).

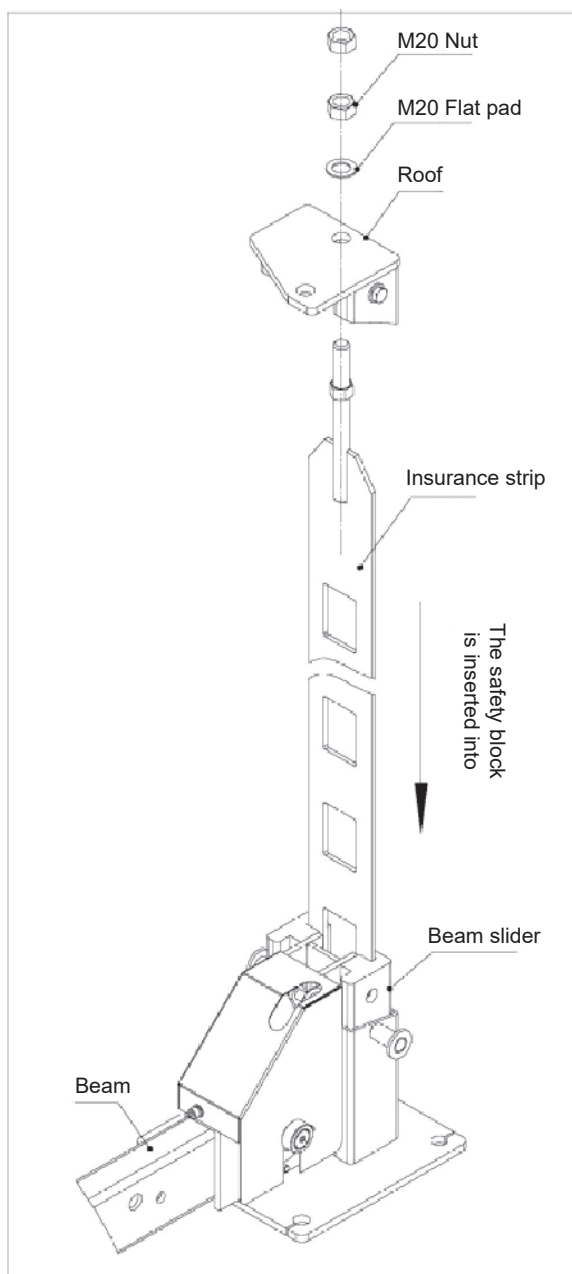


4. Install the roof of the column, as shown in the following figure :

1. Column
2. M12x30 six angle screw
3. M12 flat pad
4. M12 cushion
5. M12 nut
6. Roof



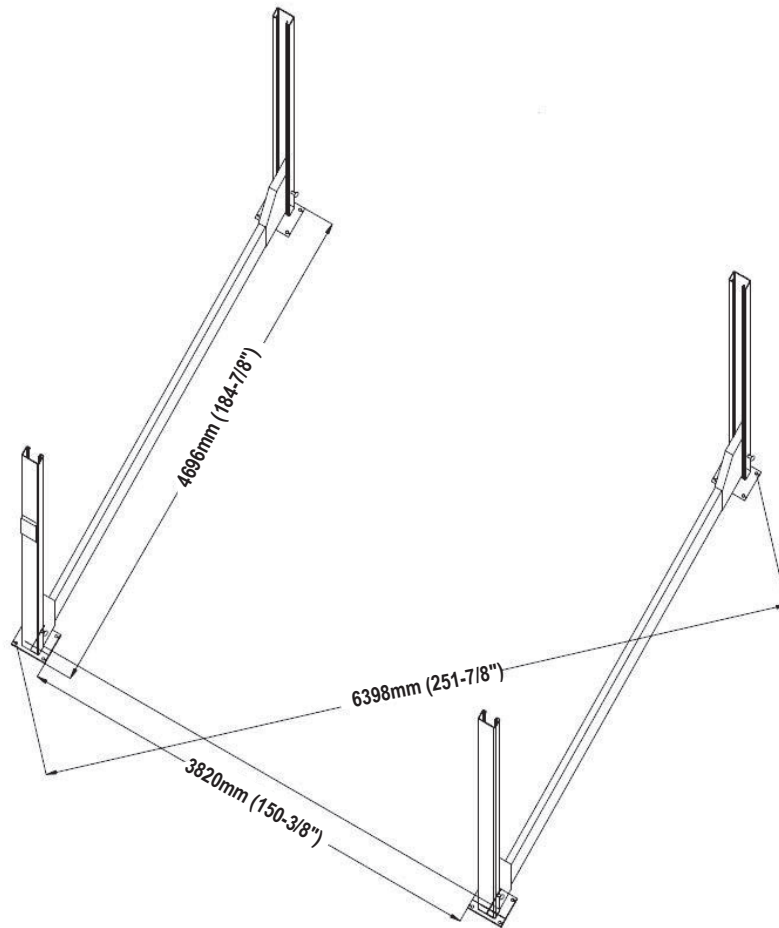
5. Install the insurance strip as shown in the following picture



6. Erect the columns, as shown in the following figure.

Note: the column erected after need to measure the relative position of four column, provide accurate size for subsequent installation of runway.

Attention: according to the chart, pay attention to the direction of the main and secondary column roof.



Step 5: Installation of the runways and dashboard

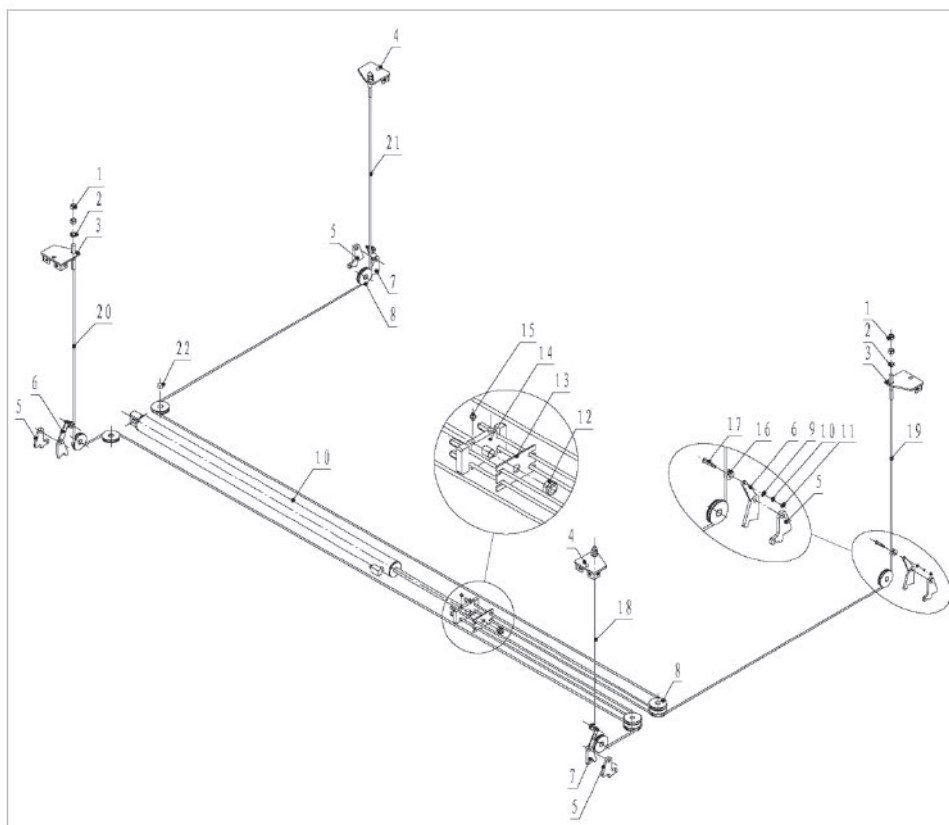
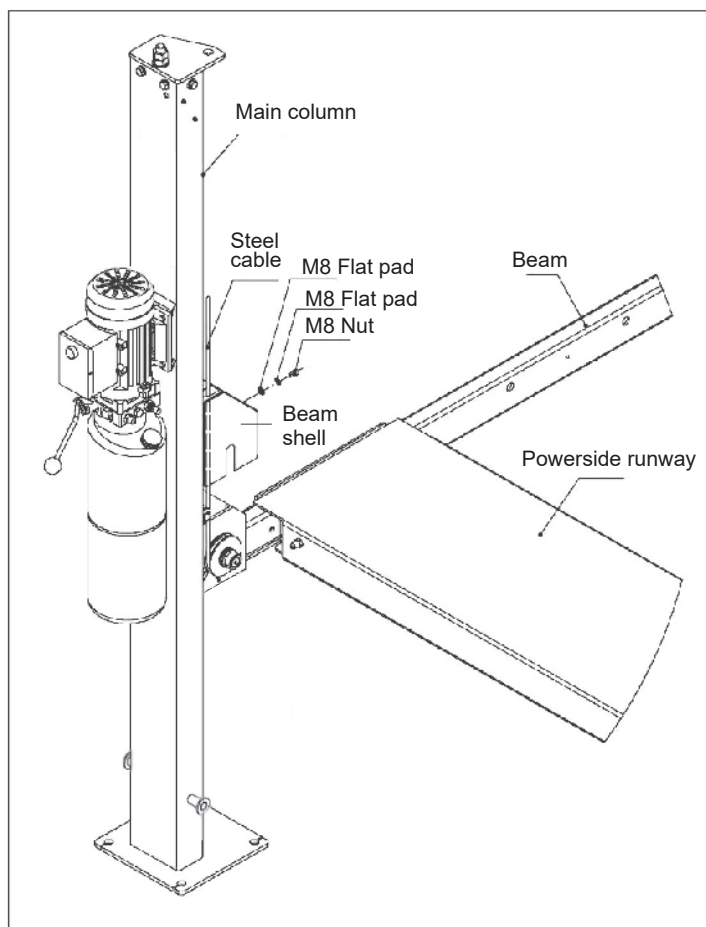
Lock the beam in the third lock, and then the Runways with a crane on the beam, with the M18x110 six angle screw, spring washer, flat washer, nut "dashboard". The beam and the runways are as follows.



Step 6: Install the steel cable

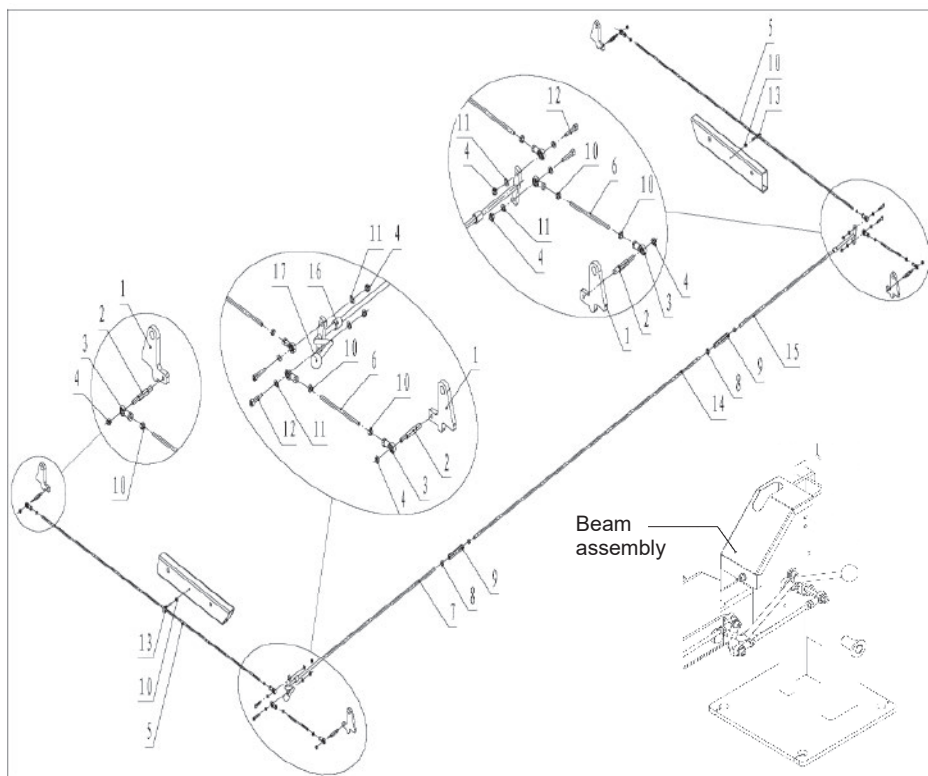
Note: in the installation of steel cable, first of all, "beam shell" removed, or else the wire rope cannot be installed, as shown below:

Note: when the steel cable is installed, the "beam shell" shall be installed.



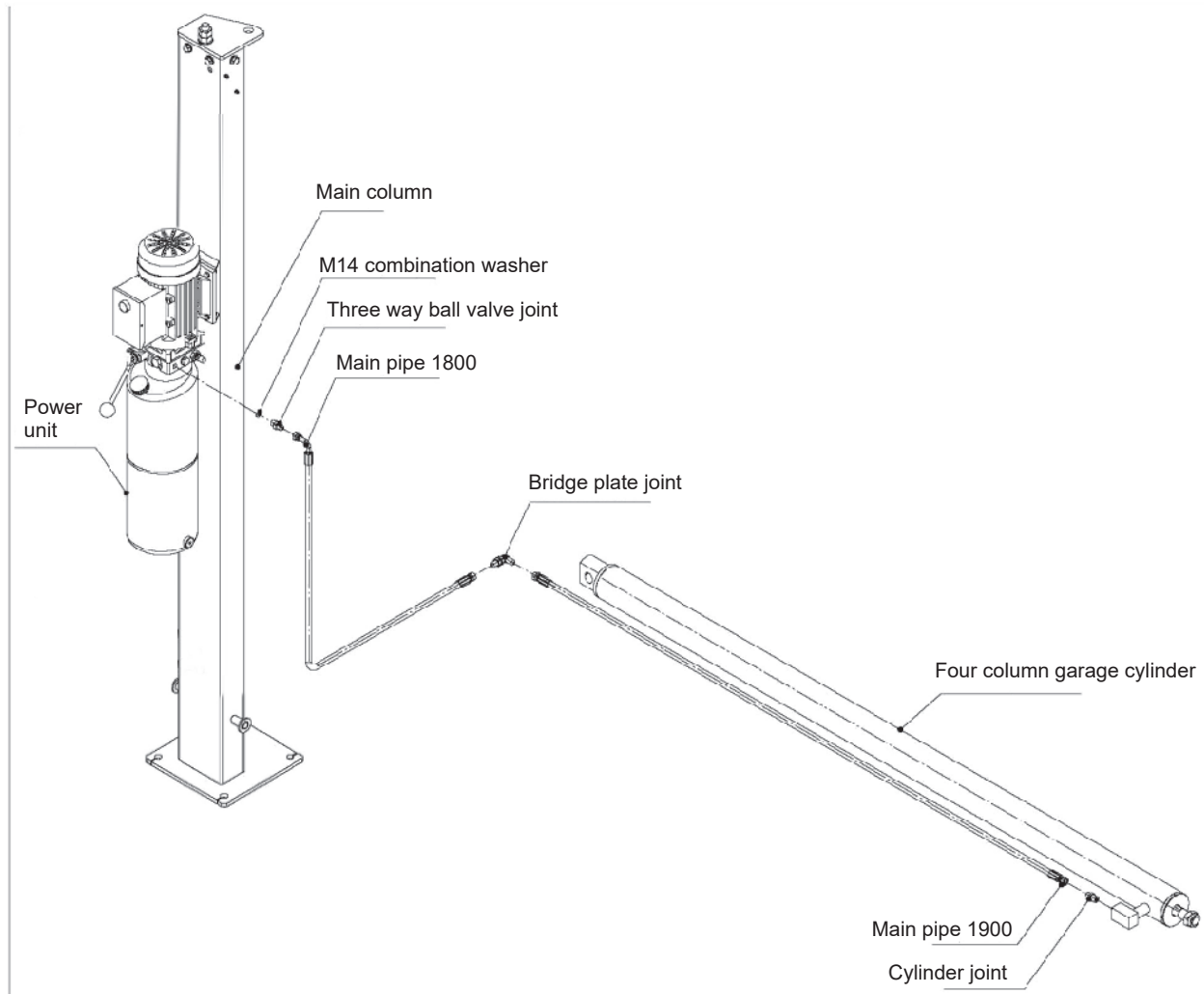
1. M20 nut
2. M20 flat pad
3. Main column roof
4. Auxiliary column roof
5. Main safety plate
6. Main, diagonal column, rope breakage insurance
7. Auxiliary, diagonal column, rope break insurance
8. Rope pulley
9. M8 flat pad
10. M8 elastic pad
11. M8 lock nut
12. M24x2 lock nut
13. Steel cable holder, block
14. Steel cable holder
15. Limit cushion
16. Rope pulley
17. Rope break safety shaft
18. Steel wire rope 2660
19. Steel wire 4090
20. Steel wire 6730
21. Steel cable 8150
22. Oil less bearings 2519

Step 7: Installation of insurance institutions

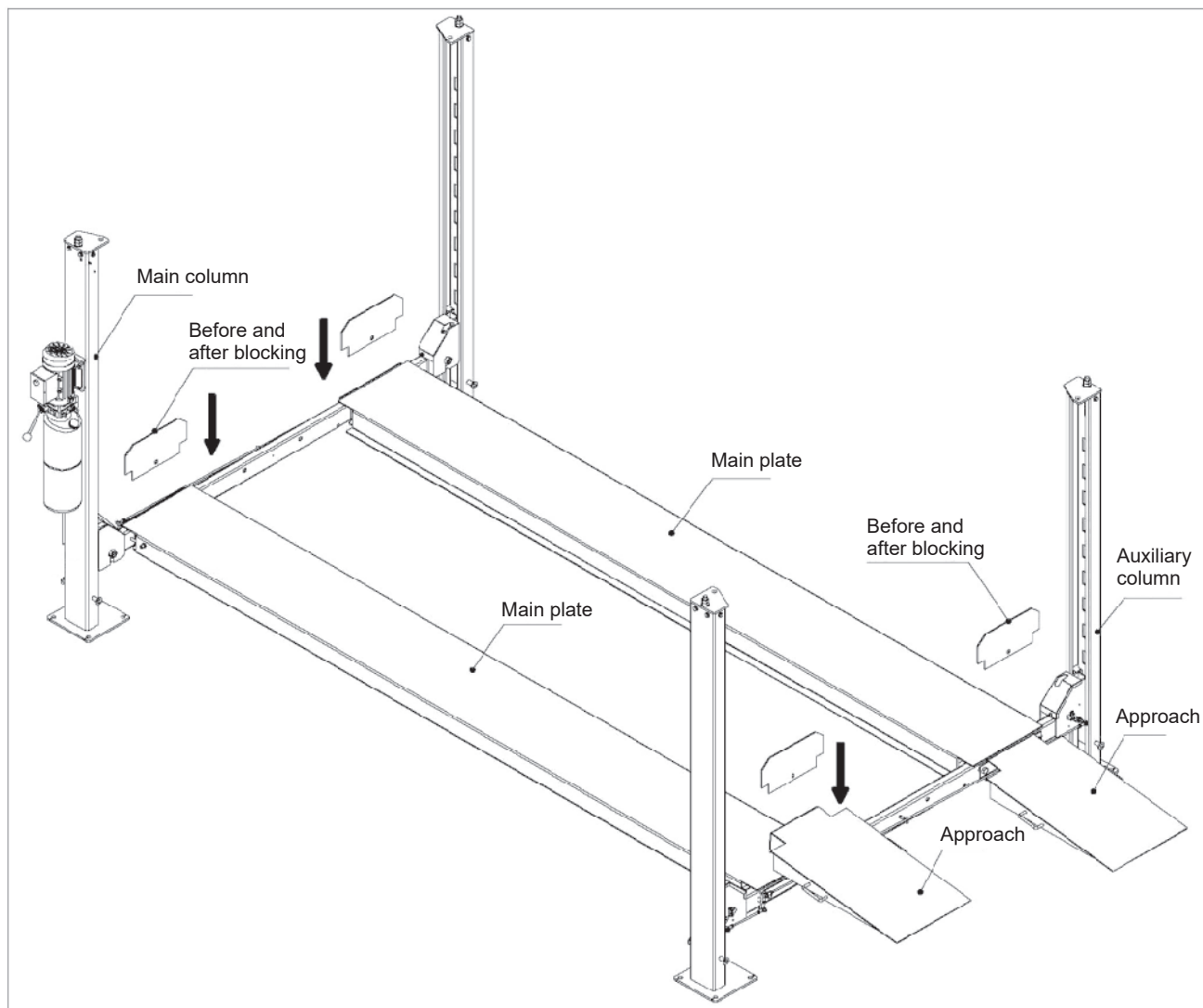


1. Main insurance
2. Main insurance connection rod
3. Vientiane earring
4. M8 lock nut
5. Long pull rod
6. Short pull rod
7. Main safety handle
8. M12 nut
9. Connecting rod, screw rod
10. M8 nut
11. M8 flat pad
12. M8x40 six angle screw
13. Long rod fixing ring
14. Main and secondary safety handle connecting rod
15. Auxiliary safety pull rod
16. Handle isolating sleeve
17. Plastic bowls

Step 8: Installation of oil pipe joints



Step 9: Installing the before and after dashboard and approach: as shown below



Step 10: Fill up with hydraulic fluid

Note: when the actual temperature is above 18°C, it is recommended to use No. 46 anti-wear hydraulic fluid. When the temperature is lower than 18°C, 32 anti-wear hydraulic oil is recommended. The viscosity of the hydraulic oil largely determines the lifting speed of the lifter.

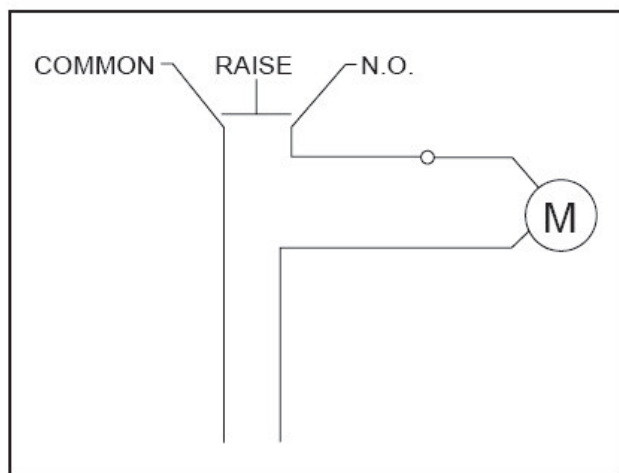
The tank has a capacity of 12L, usually only a capacity of 80%.

Step 11: Connect the power supply, test run

Connect the Electrical hookup to the power unit; 208-240VAC Single Phase. Use wire capable of supporting a 25-amp circuit. Longer Electrical Runs may require a larger diameter electrical wire.

WARNING: A certified electrician must install any and all electrical wiring. Protect each circuit with a time delay fuse or circuit breaker; 208v-240v single phase 50/60 Hz 25 amp. Requires AWG 10 Wire. Do not adjust power unit pressure relief valve, any tampering will void warranty and may cause catastrophic failure. Failure to heed these warnings may result in injury or death.

DO NOT attempt to raise vehicle until a thorough operation check has been completed.



Step 12: Adjust the level of the lifting machine at four points

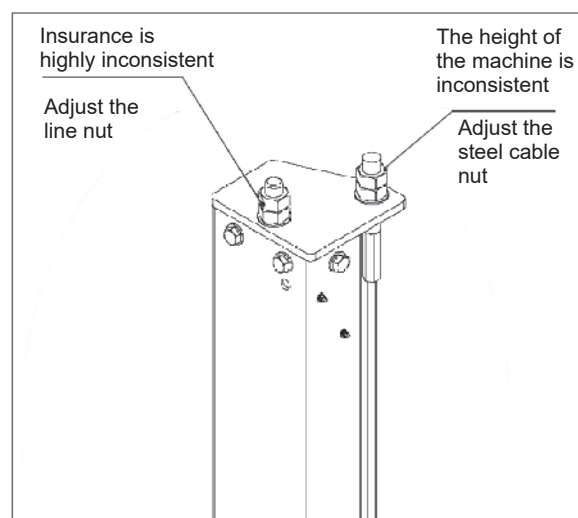
Please do not place any vehicle in adjustment time

A. Leveling of the whole machine

Press the up button, such as wire rope tension after all, and measure the 2 ends of the beam to the main side column base plate distance is equal, if not equal, adjust the top of the column nut until the wire rope 2 beam four end plate distance line.

B. Leveling of insurance

Hold the unloading handle of the power unit, lift down, until the fall to insurance work state, the wire rope is slack at the moment, and measure the 2 end of the beam to the main side column base plate distance is equal, if not equal, adjust the top of the column insurance nut until the 2 beam four end the bottom plate distance line.

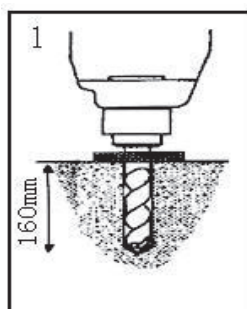


Step13: Method for fixing four column parking garage

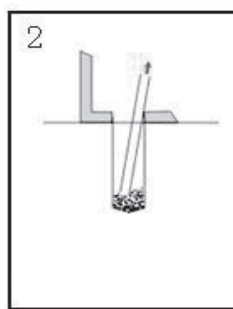
Installation of expansion bolts in accordance with the foundation diagram, before installation, you need to determine the relative position of the four pillars, the error must not exceed 3/16", and draw the outline of the motherboard with chalk, and the specific steps are as follows:

1. Use electric hammer drill to swell the bolt mounting hole, energize vertically do not allow the drill to tilt.
2. Drill through the hole and sweep away the dust, make sure that the bottom plate is aligned with the line to be drawn during drilling.
3. If the plate requires gaskets to ensure the level, plug the appropriate quantity of the gasket so that the expansion bolt is tightened and the column and the ground are vertical. Plug in the gasket and start tightening the expansion bolts.
4. Follow the chalk line to position the main column. Drill bit (19mm, 3/4") are not included with kit.

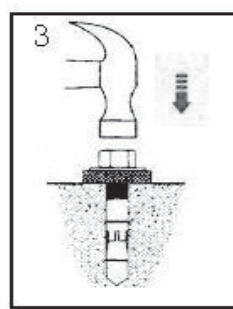
Install the auxiliary column in accordance with steps 1,2,3.



Drill hole



Dust removal



Knock expansion pin



Wrench tightening

Step 14: Install the Oil drop pan and tool tray

Attention:

1. The above steps are all the installation steps of the four column parking.
2. Committed to continuously improve product quality, update technical specifications, subject to change without notice.

3.4 Check the items after installation

1. The upright post is perpendicular to the ground
2. Tubing connections are in place
3. The wire rope is connected in place
4. The runways installed in place
5. The electrical connection is correct
6. Fastening of other parts
7. The part that needs lubrication is lubricated

OPERATION

4.1 Operating instructions

- 4.1.1 Check all connections and hose connections, the machine can be used only when there is no oil leakage.
- 4.1.2 The lift shall not be used, if its safety device malfunctions,
- 4.1.3 The machine shall not lift or lower an automobile if the center of gravity of automobile is not within the supporting range of the supporting device. Otherwise, the manufacturer will not bear any responsibility for the consequence resulted from the operation above mentioned.
- 4.1.4 The staff or operators shall be in a safe position when the machine lift or lower.
- 4.1.5 When lifting arms are in high position, the power must be switched off to avoid disoperation by non-operating personnel.
- 4.1.6 When working under the car, you must press down handle to make sure the safety lock is in occlusion. In the process of lifting and descending, people mustn't be under the vehicle.

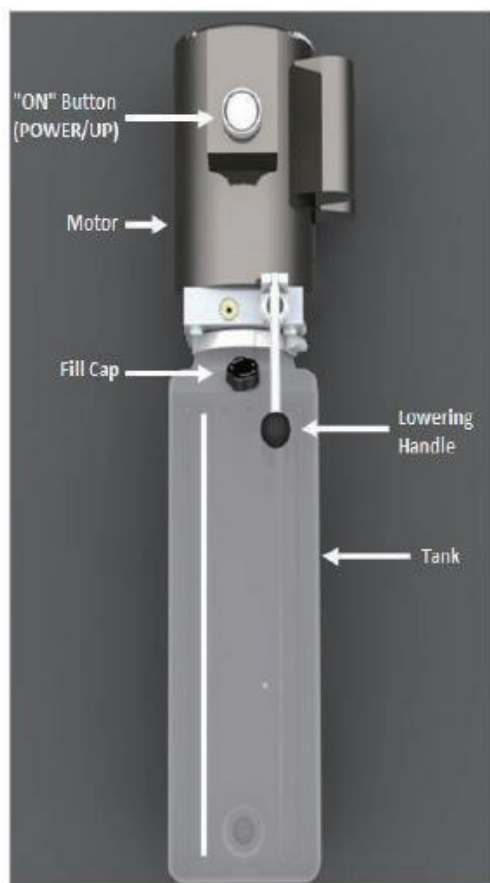
4.2 Instructions for use

Raising the lift

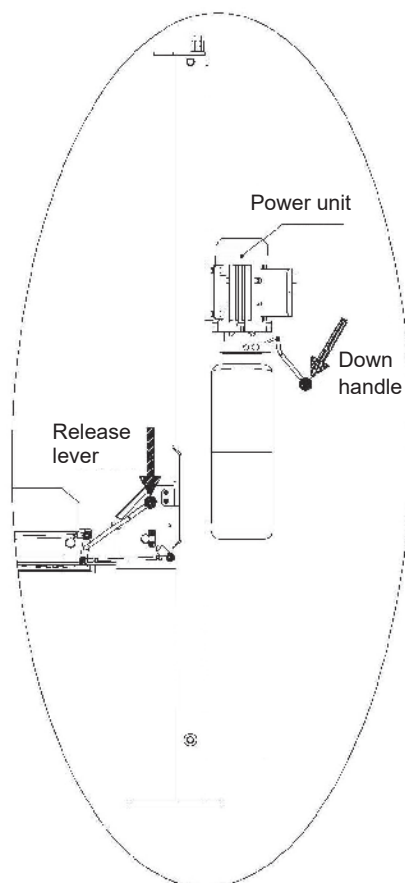
1. Place the vehicle in the middle of the platform, otherwise rollover risk may occur.
2. Press the button to raise the lift to the height you need. Release the button and the lift stops immediately.
3. When the lift reaches the required height, check the car is safe, then press down the unloading valve handle, let the safety lock in place, turn off the power, the user now can work under the runway.

Lowering the lift

1. Check whether there is any obstacle below the lift.
2. Press down the unloading valve handle.
3. Hold down the safety handle and hold down the unloading valve handle on the power unit, then the lift falls.
4. Drive away the vehicle.



Power Unit



TROUBLE SHOOTING

Caution: If you are unable to resolve the problem, please contact the manufacturer for assistance. We will be the first to help you solve the problem, provide relevant failure messages and picture of failure, so that manufacturers can troubleshoot you at the fastest speed.

Phenomenon	Reason	Method
Lift makes excessive noise	Friction mark inside column	Add some lubricating oil
	Obstacle inside column	Clear the inner obstacles
Motor does not run	Motor broken line burn out	Replace motor
	Bad wire contact	Check and connect the line
	The limit switch is off line, bad operation, damage	Connect the line. Adjust or change the limit switch.
Motor runs but will not rise	Motor reversal	Corrective wiring method
	Overflow valve loose or blocked	Adjust or clean overflow valve
	Gear pump damage	Replace gear pump
	Hydraulic oil shortage	Supply hydraulic oil
	Oil suction pipe loose and fall off	Tighten the suction pipe
	Cushion valve is loose or blocked	Tighten or clean the cushion valve
Lift go down itself after lifting up	Cylinder seal is bad	Replace seals
	Check the oil hose for leaks	Change the oil hose
	One way valve is not sealed properly	Decompose, clean, remove, or replace
	Overflow valve is not good	Decompose, clean, remove, or replace
	Manual unloading valve or electromagnetic unloading valve	Decompose, clean, remove, or replace
	Steel cable is loose	Check whether the steel cable is flat
Rise slowly	Oil filter is blocked	Clean, remove, or replace
	Oil pressure is mixed air	Supplemental hydraulic fluid
	Overflow valve adjustment is not in place	Adjustment
	Hydraulic oil becomes hot (45°above)	Replace hydraulic oil
	Cylinder seal abrasion	Replace seals
	The cylinder lubrication is poor	Replace the lubricant
Slow down	The downward throttle is stuck and has obstructions	Clean, remove, or replace
	The hydraulic oil is dirty	Replace hydraulic oil
	Explosion-proof parachute valve has obstruction	Replace Explosion-proof parachute valve
	Hydraulic hose has an obstruction	Hydraulic hose has an obstruction
Steel cable is not smooth	No grease lubrication during installation	Replace steel cable

MAINTENANCE

The several pieces of maintenance operations to be carried out are described below. A low operating cost and a long life of the machine are from routine observation of their operations.

The routine maintenance of the following recommendations can be referred to the use environment and times of the lift. Components require lubrication as follow:

- A. The steel cable needs lubrication
- B. The slider inside the column needs lubrication
- C. All cable axles need lubrication
- D. The main insurance needs lubrication
- E. Cable breakage requires lubrication

6.1 Daily pre-operation check

The user should perform daily check. Daily check of safety latch system is very important the discovery of device failure before needed could save you from expensive property damage, lost production time, serious personal injury, even death.

- At the time of the operation, according to the sound judgment occlusion safety lock.
- Check hydraulic connections, and hoses for leakage.
- Check cable connections, wiring and switch for damage.
- Check the tightness of the expansion bolt. (Inspection items used when fixing methods)

6.2 Weekly maintenance

- Check the flexibility of the action components.
- Check the safety device as previously described.
- Check hydraulic fluid level as follow: let the trolleys go up completely and in case they do not reach maximum height, add oil.
- Check the tightness of the expansion bolt. (Inspection items used when fixing methods)

6.3 Monthly maintenance

- Check the tightening of screws.
- Check the hydraulic system seal and tighten the loose unions, if necessary.
- Check the greasing and wear condition of pins, rollers, bushes, of trolley structure as well as arms and relevant extensions, if necessary, replace the damaged parts by original spare parts.
- Check the lubrication and wear of the steel cable.

6.4 Yearly maintenance

- Empty the tank and check the conditions of the hydraulic fluid.
- Clear the oil filter.

Caution: If the above maintenance operations are carried out, there will be an advantage for the user, who will find the equipment in perfect condition each time he restarts work.

ENCLOSURE

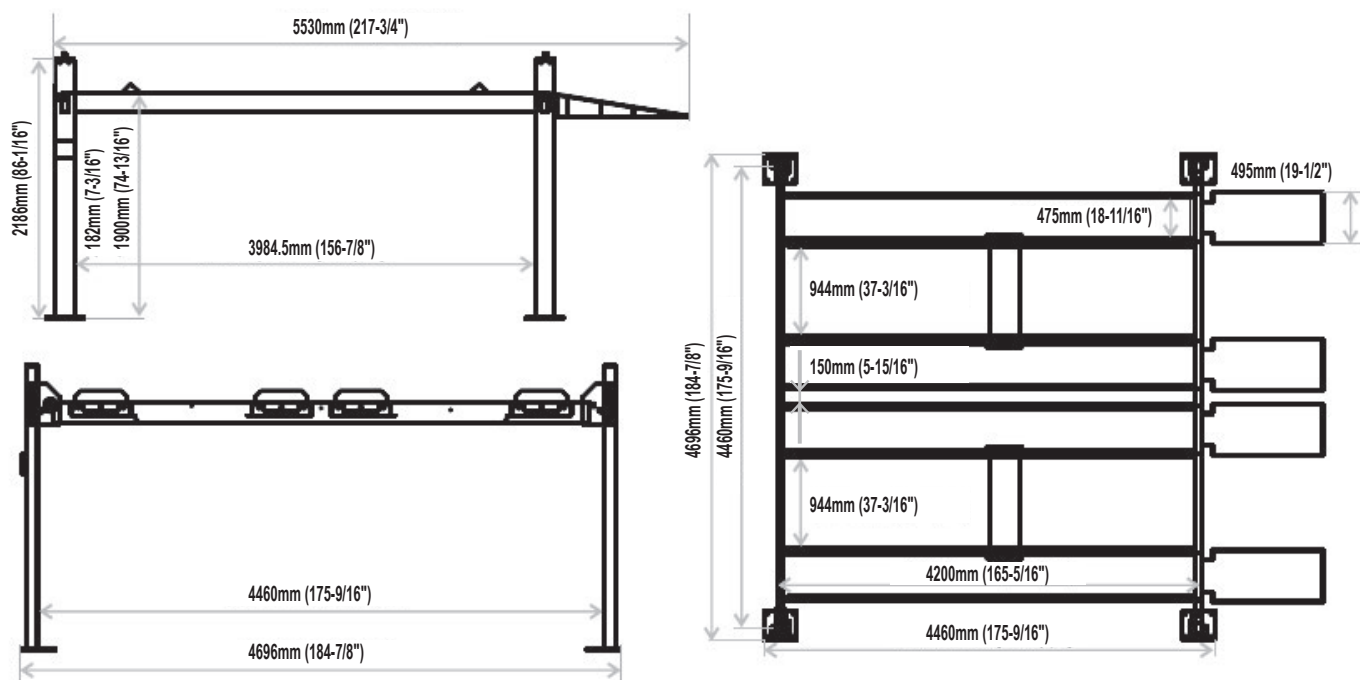
7.1 Packing list

No.	Name	Source	Qty.	Remark
1-1	Powerside runway	Assembly parts	1	
1-2	Offside runway	Assembly parts	3	
1-3	Main column	Assembly parts	1	
1-4	Auxiliary column	Assembly parts	2	
1-5	Auxiliary column A	Assembly parts	1	
1-6	Beam assembly	Assembling	2	
1-7	Oil drop pan		6	
1-8	Tool tray	Welding	2	
1-9	Power unit		1	380/220V according to customer requirements
1-10	Before and after blocking	Self-control	8	
1-11	Dashboard	Welding	8	
1-12	Tire retaining bracket	Welding	8	
1-13	Insurance institution		1 set	
1-14	Parts box		1	
1-15	Approach spans pieces		4	

Spare parts list

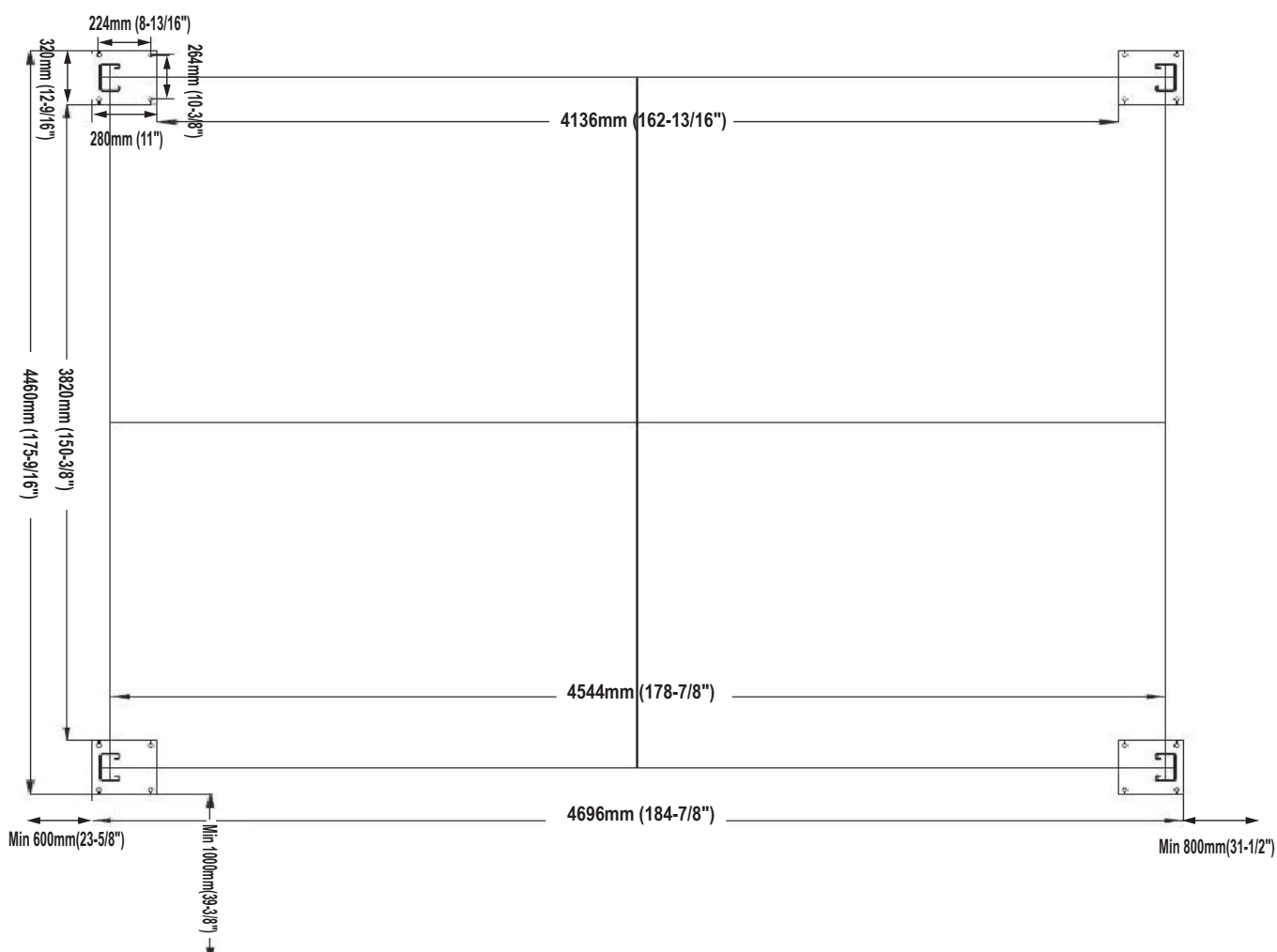
No.	Name	Qty.	Remark
3-1	M18x160 expansion bolt	16	Galvanized
3-2	M8x25 six angle screw	4	Galvanized
3-3	M8 flat pad	4	Galvanized
3-4	M8 cushion	4	Galvanized
3-5	M8 nut	4	Galvanized
3-6	Main safety link	4	Galvanized
3-7	M10 lock nut	4	Galvanized
3-8	Long tie rod retaining ring	2	Galvanized
3-9	M8 nut	2	Galvanized
3-10	M18x110 outer six corner screw	8	Galvanized
3-11	M18 flat pad	8	Galvanized
3-12	M18 cushion	8	Galvanized
3-13	M18 nut	8	Galvanized
3-14	Tie rod	2	Galvanized
3-15	M8 outer six angle nut	4	Galvanized
3-16	Purchase universal Earrings	8	Galvanized
3-17	Ring	4	Galvanized
3-18	Spring card	4	Galvanized
3-19	Main oil pipe 1800	1	
3-20	Three way ball valve joint	1	When the pump station is not available, the parts box must be matched
3-21	M14 combination washer	1	
3-22	Instructions	1	

7.2 Dimensions drawing

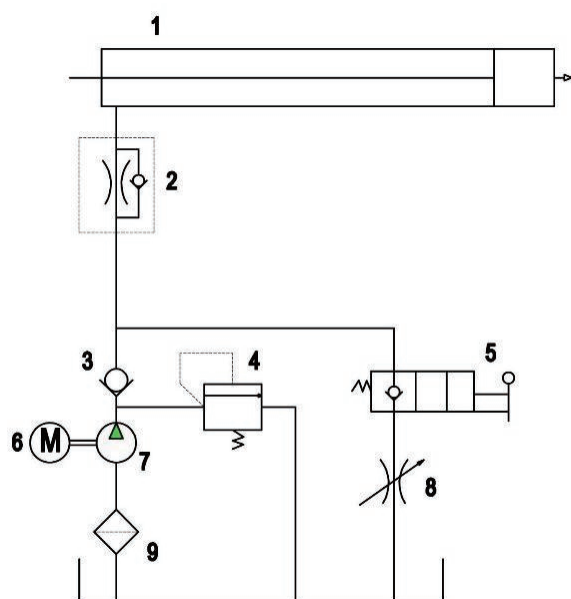


7.3 Foundation installation drawing

The foundation diagram of the lifting machine in fixed use is as follows

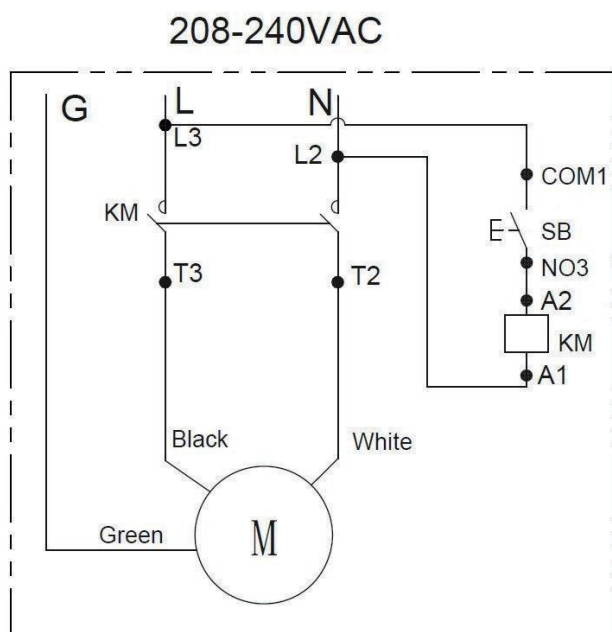


7.4 Hydraulic principle diagram



1. Cylinder
2. Throttle valve
3. Check valve
4. Relief valve
5. Manual unloading valve
6. Motor
7. Gear pump
8. Flow control valve
9. Filter screen

7.5 Schematic diagram of electrical equipment





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4355 E. Brickell Street Ontario, CA USA
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