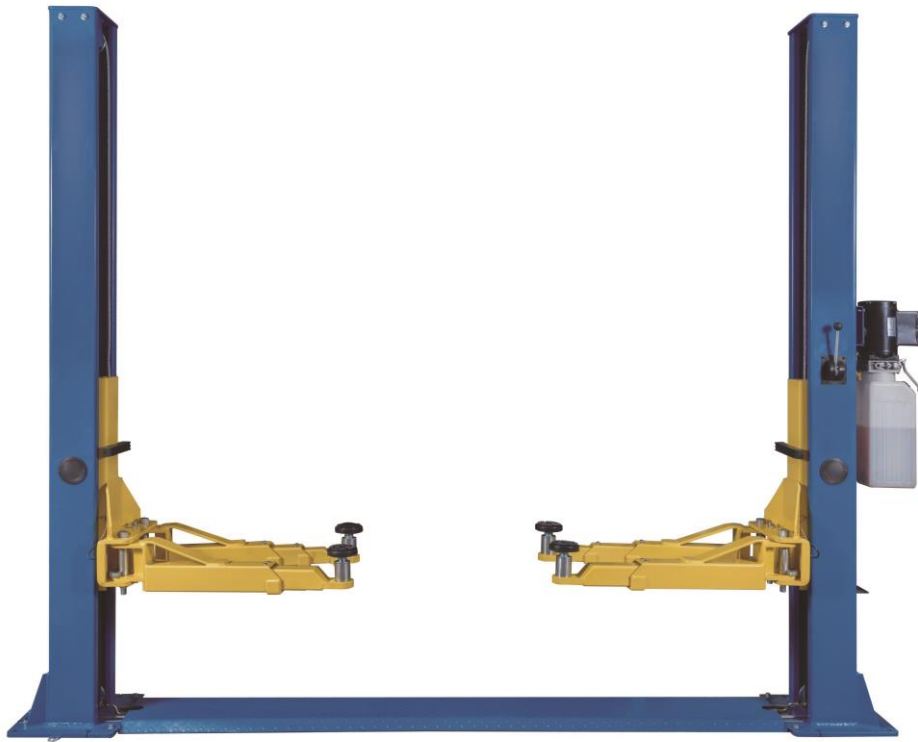


TWO COLUMN LIFT



INSTALLATION / OWNERS MANUALS

Serial No. _____

Model No. T4-AA

Read this manual thoroughly before installing, operating, or maintaining this lift. When done with installation, be sure to return documents to package and give all materials to lift owner/operator. When installation is complete, be sure to run lift up and down a few cycles with and without “typical” vehicle loaded on lift.

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DEFINITION

This lift is a 4.0T capacity, 2-column hydraulic lift, leaf chain driven.

IMPORTANT INFORMATION

1. Any freight damage must be noted on the freight bill before signing and reported to the freight carrier with a freight claim established. Identify the components and check for shortages. If shortages are discovered, contact us immediately. Save the shipping bolts for use in the installation.
2. Consult building owner and / or architect's plans when applicable to establish the best location. The lift should be located on a relatively level floor with 300MM minimum thickness, 3000 psi concrete slab that has been properly cured. **There can be no cracks in the slab within 36" of the base plate location, and no seams in the foundation within 6" of its location! Remember: any structure is only as strong as the foundation on which it is located!**

IMPORTANT! Make sure you have extra help or heavy duty lifting equipment when unloading and assembling the lift.

3. Please read the safety procedures and operating instructions in this manual before operating lift. Keep this manual near lift at all times. Make sure all operators read this manual.
4. The lift should be located on a relatively level floor of less than 3 degrees slope. If slope is questionable, consider a survey of the site and/or the possibility of pouring a new level concrete slab.
5. Make sure you have enough area and ceiling height to install lift.
6. Never raise a car until you have double checked all bolts, nuts and hose fittings.
7. Always lower the lift onto the locks before going under the vehicle. Never allow anyone to go under the lift when raising or lowering.

This is a vehicle lift installation/operation manual and no attempt is made or implied herein to instruct the user in lifting methods particular to an individual application. Rather, the contents of this manual are intended as a basis for operation and maintenance of the unit as it stands alone or as it is intended and anticipated to be used in conjunction with other equipment.

Proper application of the equipment described herein is limited to the parameters detailed in the specifications and the uses set forth in the descriptive passages. Any other proposed application of this equipment should be documented and submitted in writing to the factory for examination. The user assumes full responsibility for any equipment damage, personal injury, or alteration of the equipment described in this manual or any subsequent damages.

CAUTION!!

Ensure that all cable sheaves, bearings and shafts are sufficiently lubricated. Also, the corners of each column should be lightly greased with quality lithium grease prior to operating the lift. Lubricate all on an annual basis.

Motors and all electrical components are not sealed against the weather and moisture. Install this lift in a protected indoor location. Failure by the owner to provide the recommended shelter could result in unsatisfactory lift performance, property damage or personal injury.

BASIC SPECIFICATION

Lifting Capacity	4.0T
Lifting time	40-60 Seconds
Overall Height	2824mm
Overall Width	3380mm
Between Posts	2820mm
Drive Thru Width	2500mm

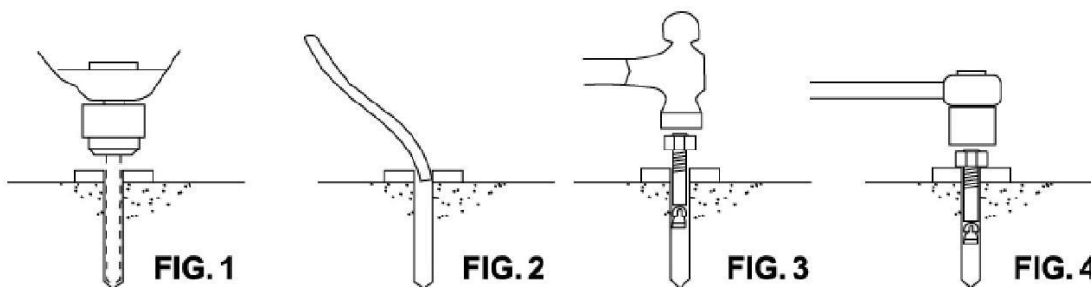
Please also read the general information about this lift shown of Fig1 and Fig 2.

FOUNDATION AND ANCHORING INFORMATION

1. Concrete shall have compression strength of at least 3,000 PSI and a minimum thickness of 300MM order to achieve a minimum anchor embedment of 3 1/4". NOTE: When using the standard supplied 3/4"x5 1/2" long anchors, if the top of the anchor exceeds 2 1/4" above the floor grade, you DO NOT have enough embedment.

2. Maintain a 6" minimum distance from any slab edge or seam. Hole to hole spacing should be a minimum 6 1/2" in any direction. Hold depth should be a minimum of 4".
3. **CAUTION!** DO NOT install on asphalt or other similar unstable surface. Columns are supported only by anchoring to floor.
4. Using the horseshoe shims provided, shim each column base as required until each column is plumb. If one column has to be elevated to match the plane of the other column, full size base shim plates should be used. Torque anchors to 150 ft-lbs. shim thickness **MUST NOT** exceed 1/2" when using the 5 1/2" long anchors provided with the lift. Adjust the column extensions plumb.
5. If anchors do not tighten to 150 ft-lbs. installation torque, replace the concrete under column base with a 4'x4'x6" thick 3,000 PSI minimum concrete pad keyed under and flush with the top of existing floor. Allow concrete to cure before installing lifts and anchors (typically 2 to 3 weeks).

ANCHORING TIP SHEET



Anchors must be at least 6" from the edge of the slab or any seam.

1. Use a concrete hammer drill a carbide tip, solid drill bit the same diameter as the anchor, 3/4" (.775 to .787 inches diameter). Do not use excessively worn bits which have been incorrectly sharpened.
2. Keep the drill in a perpendicular line while drilling.
3. Let the drill do the work. Do not apply excessive pressure. Lift the drill up and down occasionally to remove residue to reduce binding.
4. Drill the hold to depth equal to the length of anchor.
5. For better holding power blow dust from the hold.
6. Place a flat washer and hex nut over threaded end of anchor, leaving approximately 1/2 inch of thread exposed carefully tap anchor. Do not damage threads. Tap anchor into the concrete until nut and flat washer are against base plate. Do not use an impact wrench to

tighten. Tighten the nut, two or three turns on average concrete (28-days cure). If the concrete is very hard only one or two turns may be required.

PREPARATION

The installation of this lift is relatively simple and can be accomplished by 2 men in a few hours. The following tools and equipment are needed:

Appropriate lifting equipment

AW 32, 46 or other good grade Non-Detergent Hydraulic OIL SAE-10 (12 quarts)

Chalkline and 12' tape measure

Rotary Hammer drill with 3/4" Drill Bit. Core Drill ReBar Cutter recommended

Transit and a 4' Level

Sockets and Open Wrench set, 1/2" thru 1-1/2" (1-1/8" for 3/4" Anchors)

Locking Pliers, 8mm Socket Head Wrench

GENERAL INFORMATION

This lift is a 4.0T capacity, two post lift. The locking latch system is very similar to an extension ladder. The locking latch is in contact with the latch rack. As the lift rises the locking latch drops into place. The locking latch engages the latch rack in 3" increments starting at about 16" from the ground. The locking latches must be manually disengaged for the lift to lower. The locking latch is released by pulling the release cable, first raising the lift to get the latch up off the latch rack. Once the raise button is pressed, the latch will automatically reengage after approximately 3" of travel. Heavy bearings and heavy duty leaf chains are used throughout the lift. The work is done with the heavy duty chain connected to a 2-1/2" cylinder, driven by an electric / hydraulic pump.

INSTALLATION PROCEDURES

PLEASE READ THIS INSTRUCTION BEFORE STARTING TO ASSEMBLE THE LIFT.

STEP 1: After unloading the lift, place it near the intended installation location.

STEP 2: Remove the shipping bands and packing materials from the lift.

STEP 3: Remove the packing brackets and bolts holding the two columns together (do not discard bolts, they are used in the assembly of the lift).

STEP 4: Once the power unit column location is decided, insure that the proper lift placement is observed from walls and obstacles. Also check the ceiling height for clearance in this location.

Note: the power unit column Can be Located on either side. It is helpful to try and locate the power side with the passenger side of the vehicle when loaded on the lift to save steps during operation.

STEP 5: Install the top plate onto the top of the columns.

STEP 6: Position the column facing each other 134" outside base plates.

STEP 7: Use the existing holes in column base plate as a guide for drilling the 3/4" diameter holes into the concrete. Drill the anchor holes, installing anchors as you go (see Fig.3). Verify drive over plate will fit between column base plates before anchoring second column.

STEP 8: Use a level, check column for side-to-side plumb and front-to-back plumb. Use 3/4" washers or shim stock, placing shims as close as possible to the hold locations. This will prevent bending the column bottom plates. Tighten 3/4" anchor bolts to 150 ft-lbs. of torque.

STEP 9: Installing the equalizing cables: Refer to Fig.4. Set carriages on the first safety latch engagement. Be sure each carriage is at the same height by measuring from the top of the base to the bottom of the carriage (double check the latches before working under the carriages). This dimension should be within 1/4". Run first cable Fig.4. Tighten nut on one cable stud so that the end of stud passes the nylon on the nut. Pull the other end of cable and run nut on it. Tighten both nuts. Repeat above for second cable.

STEP 10: Install the cylinder: Put one cylinder into each carriage by sliding it all the way down to the top of the cylinder mount at column base. Make sure the "Tip" on the bottom of the cylinder will fit into the center hole on top of the cylinder mount in base. Pull the pre-attached leaf chain in both sides up and over the chain sheave on top of the cylinders. Refer to Fig.5.

STEP 11: Connect the hydraulic hoses, as shown on Fig.5.

STEP 12: Mount the power unit on lift as Fig.5.

STEP 13: Mount the floor plate as shown on Fig.3. Drill holes using holes in plate as guides. Following drill steps/directions used when anchoring columns. Tighten to 25 ft-lbs.

STEP 14: Install the swing arms on the carriages using the included 1-1/2" diameter pins. Check for proper engagement of the arm lock – the teeth on the lock should fully engage the gear on the arm. Note, if arm pins are not fitting, you will need to pull up on arm lock to allow slack for the arm to move around in the carriage, allowing the arm pin to fit easier.

STEP 15: Adjust the carriage cables tension. Adjust each cable to approximately 1/2" side-to-side play. Check the latch releases to insure the carriage is still sitting on the appropriate latch.

STEP 16: Remove the vented fill cap from the power unit and fill the reservoir. Use a Ten Weight (SAE-10) non-foaming, non-detergent hydraulic fluid (Texaco HD46 or equal). The unit will hold approximately twelve quarts of fluid.

STEP 17: Make the electrical hookup to the power unit. It is recommended that a twist lock plug be installed in the power line just ahead of the power unit.

Warning: the wiring must comply with local code. Have a certified electrician make the electrical hook-up to the power unit. Protect each circuit with time delay fuse or circuit breaker 220v single phase 50 Hz / 380v three phase 50 Hz.

STEP 18: Do not place any vehicle on the lift at this time. Cycle the lift up and down several times to insure latches click together and all air is removed from the system. To lower the lift, both latch releases must be manually released. Latches will automatically reset once the lift ascends approximately 17" from base. If latches click out of sync, tighten the cable on the one that clicks first.

STEP 19: With lift fully lowered, recheck power unit fluid level. Fill as required.

SAFETY PROCEDURES

Never allow unauthorized persons to operate lift. Thoroughly train new employees in the use and care of lift.

Caution – the power unit operates at high pressure.

Remove passengers before raising vehicle.

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

Total lift capacity is 4.0T. Do not exceed maximum weight capacity of lift.

Prior to lifting vehicle, walk around the lift and check for any objects that might interfere with operation of lift and safety latches: tools, air hoses, shop equipment.

When approaching the lift with a vehicle, make sure to center the vehicle between the columns so that the tires will clear the swing arms easily. Slowly drive the vehicle between the columns. It is recommended to have someone outside the vehicle guide the drive.

Always lift vehicle using all four pads.

Never use lift to raise one end or side of vehicle.

Always raise vehicle about 3" and check stability by rocking vehicle.

Prior to lowering vehicle, walk around the lift and check for any objects that might interfere with the operation of lift and safety latches: tools, air hoses, shop equipment. Swing the arms out of the path and slowly drive the vehicle out. Have someone outside the vehicle guide the driver.

Always lock the lift before going under the vehicle. Never allow anyone to go under the lift when raising or lowering.

IMPORTANT SAFETY INSTRUCTIONS

When using your garage equipment, basic safety precautions should always be followed, including the following:

1. Read all instructions.
2. Care must be taken as burns can occur from touching hot parts.
3. Do not operate equipment with a damaged cord or if the equipment have been dropped or damaged – until it have been examined by a qualified service person.
4. Do not let a cord hang over the edge of the table, bench, or counter or come in contact with hot manifolds or moving fan blades.
5. If an extension cord is necessary, a cord with a current rating equal to or more than that of the equipment should be used. Cords rated for less current that the equipment may overheat.
6. Always unplug equipment from electrical outlet when not in use. Never use the cord to pull the plug from the outlet. Grasp plug and pull to disconnect.
7. Let equipment cool completely before putting away. Loop cord loosely around equipment when storing.
8. To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
9. Adequate ventilation should be provided when working on operating internal combustion engines.
10. Keep hair, loose clothing, fingers, and all parts of body away from moving parts.
11. To reduce the risk of electric shock, do not use on wet surfaces or expose to rain.
12. Use only as described in this manual. Use only manufacturer's recommended attachments.
13. ALWAYS WEAR SAFETY GLASSES. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses.

SAFETY AND OPERATING INSTRUCTIONS

Only authorized personnel are to operate lift

Read operating and safety procedures manual completely before operating lift.

1. Properly maintain and inspect lift in accordance to owner's manual.
2. Do not operate a lift that is damaged or in need of repair.
3. Allow only authorized personnel in the lift bay.
4. Stay clear of lift when raising or lowering (NO RIDERS).
5. Keep hands and feet away from pinch points at all times.
6. Never override the lift's operating and safety controls.
7. If a vehicle is suspected of falling, clear area immediately.
8. Do not rock vehicle while positioned on lift (except first 3" of rise when checking for stability).
9. Always use safety jack stands when removing or installing heavy components.

Vehicle Loading

1. Position vehicle for proper weight distribution (center of gravity should be midway between adapters).
2. Swing arms under vehicle to allow adapters to contact the manufacturer's recommended pick up points.
3. Use caution before lifting pick up trucks, suv's and other framed vehicles. The individual axle weight capacity should not exceed 1/2 of lift capacity.
4. Make sure vehicle is neither front nor rear heavy.
5. Make sure the lifting pads are in a proper and safe position to support the vehicle (Ref: Lifting Point Guide and decal on Main side column for typical arm positioning).

Raising Lift

1. Push up switch to raise lift (make sure arm restraints engage or stop slightly move arm to allow gear to mesh) until tires clear floor.
2. Stop and check for secure contact on adapters and vehicle weight distribution. If secure raises to desired height.
3. ALWAYS lower the lift in to the nearest lock position by pressing the lower lever to relieve the hydraulic pressure and let the latch set right in a lock position.
4. Always lock the lift before going under the vehicle. Never allow any one to go under the lift when raising or lowering. Read the safety procedures in the manual.

Lowering Lift

1. Clear all obstacles from under lift and vehicle and ensure only the lift operator is the lift area.

2. Stay clear of lift and raise the lift off the safety locks.
3. Pull both safety latch releases and press the lower lever to begin descent.

Warning Always Release Both Sides

4. Unload lift by first completely lowering lift, then swinging arms to drive-thru position before moving vehicle.

MAINTENANCE SCHEDULE

The following periodic maintenance is the suggested minimum requirements and minimum intervals; accumulated hours or monthly period, whichever ever comes sooner. If you hear a noise or see any indication of impending failure – cease operation immediately – inspect, correct and/or replace parts as required.

Periodic maintenance is to be performed on a daily, weekly and yearly basis as given in the following paragraphs.

WARNING!!

Occupational Safety and Health Administration (OSHA) and the American National Standards Institute (ANSI) requires users to inspect lifting equipment at the start of every shift. These and other periodic inspections are the responsibility of the user.

Daily Pre-Operation Check (8 Hours)

The user should perform daily check. **ATTENTION! LOOK OUT!** Daily check for 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 and even death.

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 looseness.
5. Check cables connections – bends, cracks – and looseness.
6. Check for frayed cables in both raised and lowered position.
7. Check snap rings at all rollers and sheaves.
8. Check bolts, nuts and screws and tighten.
9. Check wiring & switches for damage.
10. Keep base plate free of dirt, grease or any other corrosive substances.
11. Check floor for stress cracks near anchor bolts.
12. Check swing arm restraints.

Weekly Maintenance (every 40 Hours)

1. Check anchor bolts torque to 150 ft-lbs for the 3/4" anchor bolts. Do not use impact wrench to tighten anchor bolts.
2. Check floor for stress cracks near anchor bolts.
3. Check hydraulic oil level.
4. Check and tighten bolts, nuts and screws.
5. Check cylinder pulley assembly for free movement or excessive wear on cylinder yoke or pulley pin.
6. Check cable pulley for free movement and excessive wear.

Yearly Maintenance

1. Lubricate chain
2. Grease rub blocks and column surface contacting rub blocks.
3. Change the hydraulic fluid – good maintenance procedure makes it mandatory to keep hydraulic fluid clean. No hard fast rules can be established: operating temperature, type of service, contamination levels, filtration and chemical composition of fluid should be considered. If operating in dusty environment shorter interval may be required.

The following items should only be performed by a trained maintenance expert.

Replace hydraulic hoses.

Replace chains and rollers.

Replace cables and sheaves.

Replace or rebuild air and hydraulic cylinders as required.

Replace or rebuild pumps / motors as required.

Check hydraulic and air cylinder rod and rod end (threads) for deformation or damage.

Check cylinder mount for looseness and damage.

CAUTION!!

Relocating or changing components may cause problems. Each component in the system must be compatible; an undersized or restricted line will cause a drop in pressure. All valve, pump, and hose connections should be sealed and/or capped until just prior to use. Air hoses can be used to clean fittings and other components. However, the air supply must be filtered and dry to prevent contamination. Most important is cleanliness. Contamination is the most frequent cause of malfunction or failure of hydraulic equipment.

TROUBLE SHOOTING

The common problems that may be encountered and their probable causes are covered in the following paragraphs:

1. Motor does not run

- A. Breaker or fuse blown. Repair or replace.
- B. Motor thermal overload tripped. Wait for overload to cool.
- C. Faulty wiring connections call electrician.
- D. Defective up button call electrician for checking.

2. Motor runs but will not raise

- A. A piece of trash is under check valve. Push handle down and push the up button at the same time. Hold for 10-15 seconds. This should flush the system.
- B. Check the clearance between the plunger valve of the lowering handle. There should be 1/16" clearance.
- C. Remove the check valve cover and clean ball and seat.

WARNING!!

Failure to properly relieve pressure in the following step can cause injury to personnel. This lift uses ISO Grade 32 AW, 46 or other good grade non-detergent hydraulic oil at a high hydraulic pressure. Be familiar with its toxicological properties, precautionary measures to take, and first aid measures as stated in the Safety Summary before performing any maintenance with the hydraulic system.

- D. Oil level too low. Oil level should be just under the vent cap port when the lift is down!!!
Relieve all hydraulic pressure and add oil as required.

3. Oil blows out breather of power unit

- A. Oil reservoir overfilled. Relieve all pressure and siphon out hydraulic fluid until at a proper level.
- B. Lift lowered too quickly while under a heavy load. Lower the lift slowly under heavy load.

4. Motor hums and will not run

- A. Impeller fan cover is dented. Take off and straighten.
- B. Lift overloaded. Remove excessive weight from lift

WARNING!!

The voltages used in the lift can cause death or injury to personnel. In the following steps, make sure that a qualified electrician is used to perform maintenance.

- C. Faulty wiring.....call electrician
- D. Bad capacitor.....call electrician
- E. Low voltage.....call electrician

5. Lift jerks going up and down

- A. If the lift jerks while going up and down, it is usually a sign of air in the hydraulic system. Raise lift all the way to top and return to the floor. Repeat 4-6 times. **Do not let this overheat power unit.**

6. Oil leaks

- A. Power unit: if the power unit leaks hydraulic oil around the tank-mounting flange check the oil level in the tank. The level should be two inches below the flange of the tank. Check with a screwdriver.
- B. Rod end of the cylinder: the rod seal of the cylinder is out. Rebuild or replace the cylinder.
- C. Breather end of the cylinder: the piston seal of the cylinder is out. Rebuild or replace the cylinder.

7. Lift makes excessive noise

- A. Column of the lift is dry and requires grease.
- B. Cylinder pulley assembly or cable pulley assembly is not moving freely.
- C. May have excessive wear on pins or cylinder yoke.

OWNER / EMPLOYER RESPONSIBILITIES

The owner / Employer:

1. Shall establish procedures to periodically maintain, inspect and care for the lift in accordance with the manufacture's recommended procedures to ensure its' continued safe operations.
2. Shall provide necessary lockout / tagout of energy sources per ANSI Z244.1 – 1982 before beginning any lift repairs.
3. Shall not modify the lift in any manner without prior written consent of the manufacturer.
4. Shall display the operating instructions and "Lifting It Right" and "Safety Tips" supplied with the lift in a conspicuous location in the lift area convenient to the operator.
5. Shall insure that lift operators are instructed in the proper and safe use and operation of the lift using the manufacturer's instructions and "Lift It Right" and "Safety Tips" supplied with the lift.

Fig.1

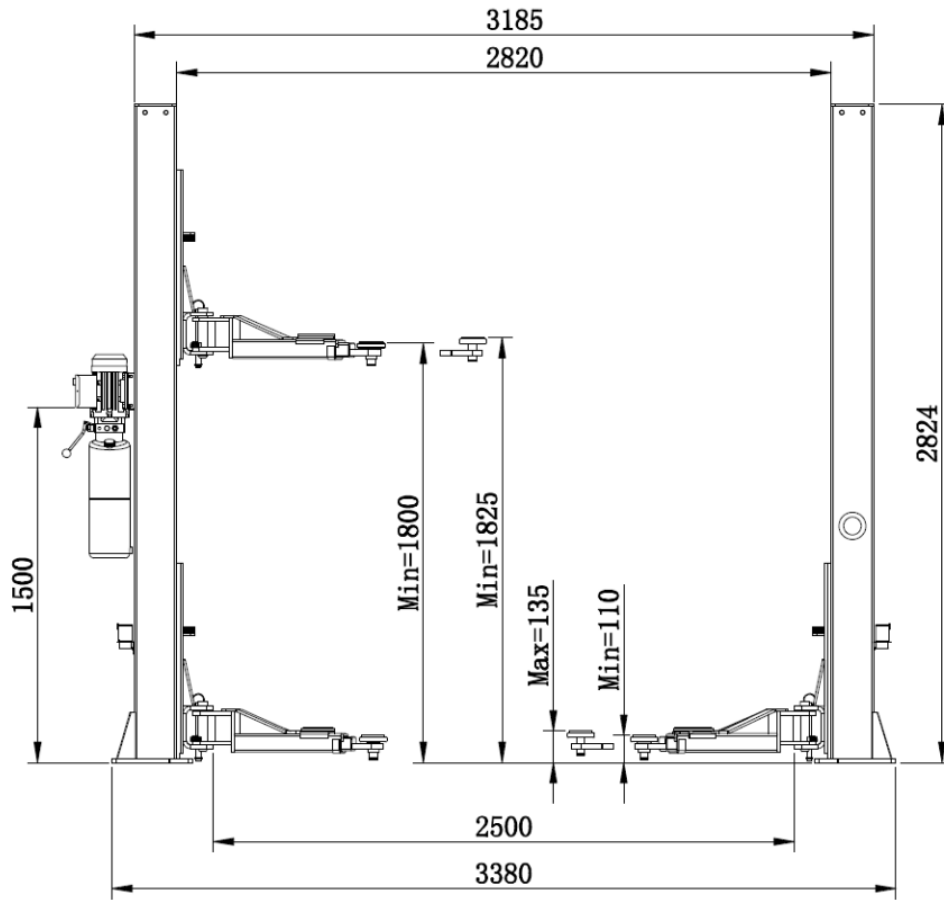


Fig.2

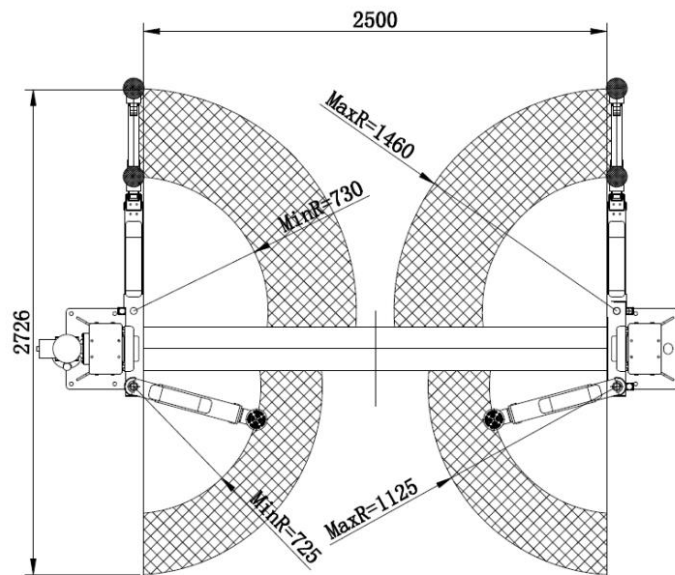


Fig.3

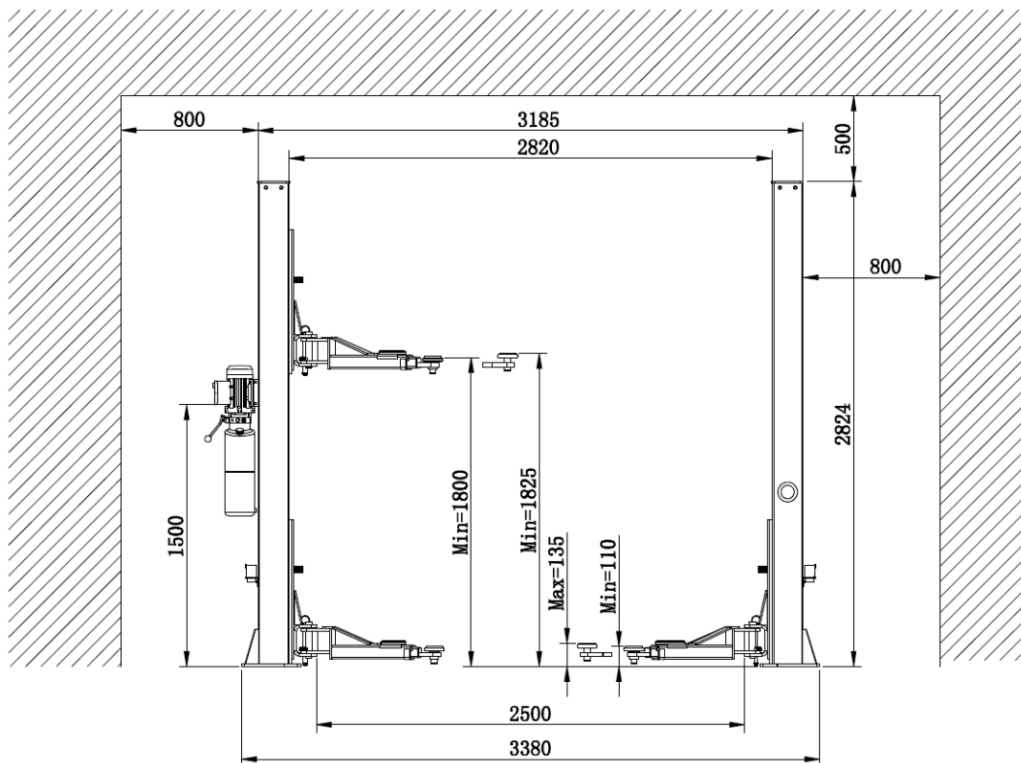
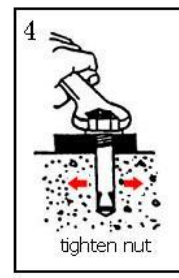
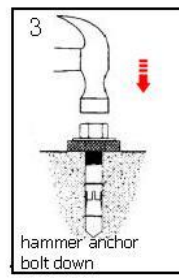
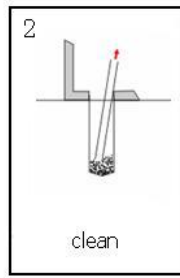
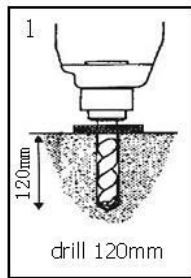
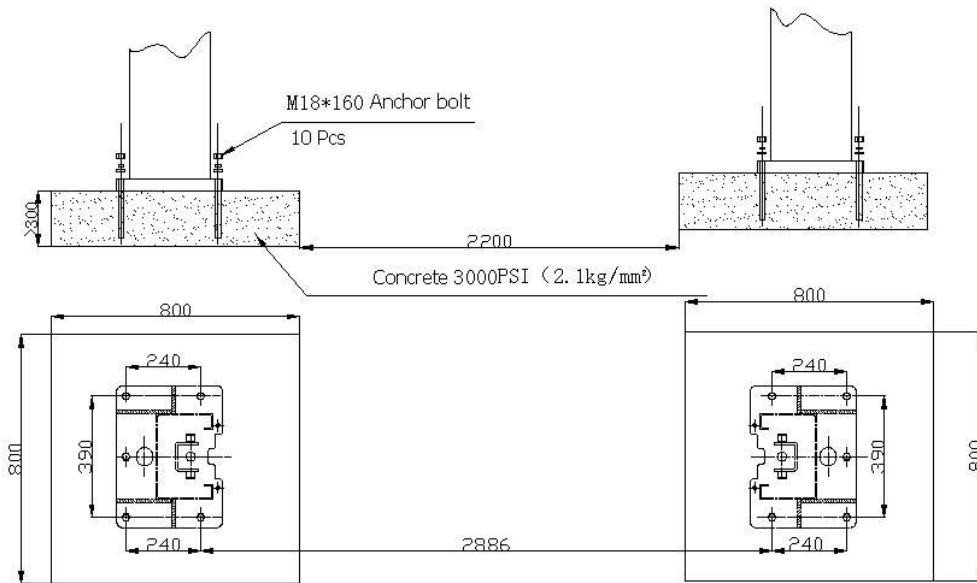


Fig.4

Cable Installation

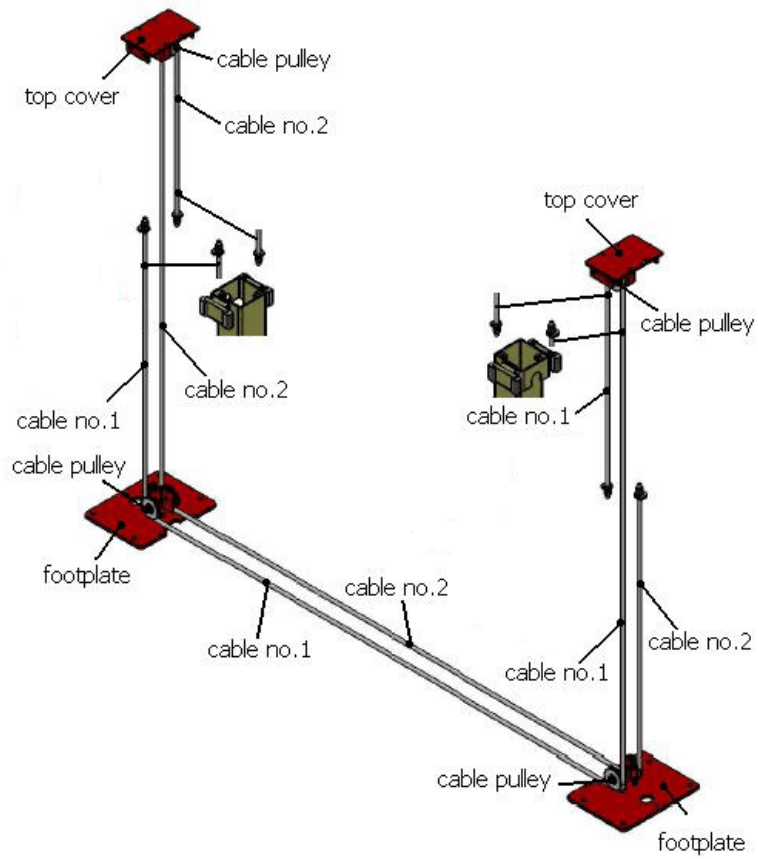
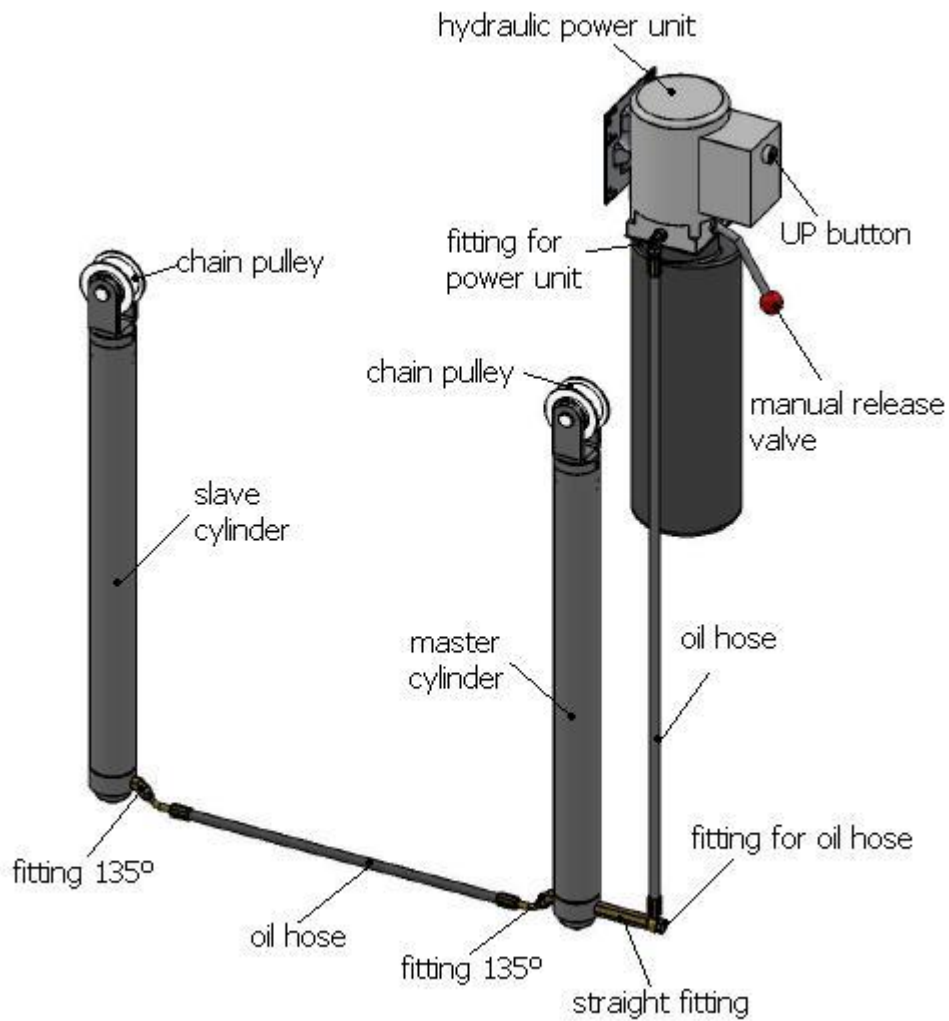
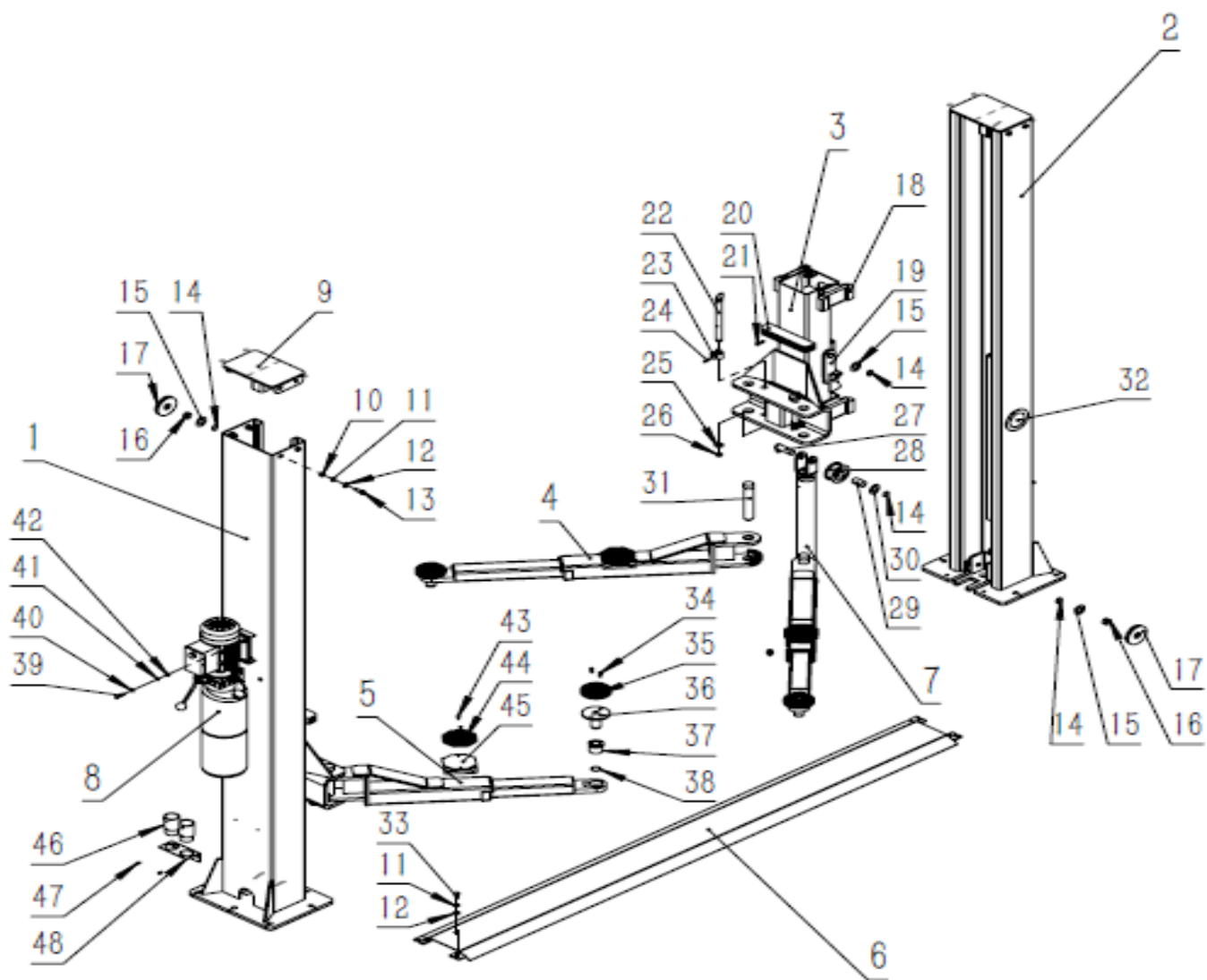


Fig.5

Hydraulic System





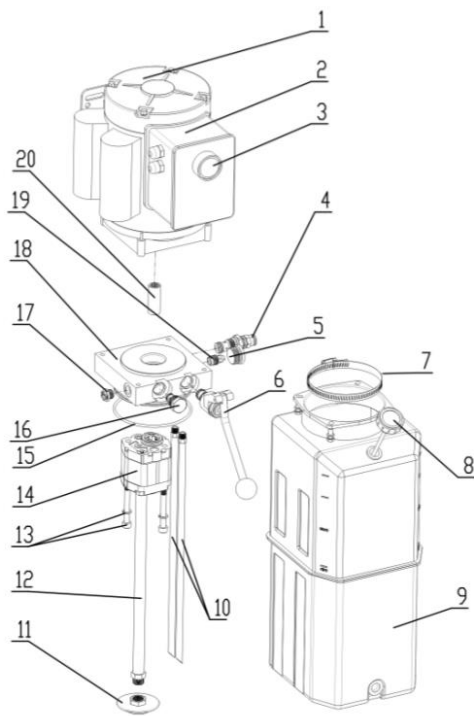
PARTS LIST

No.	Item No.	Descriptions	Qty.	Remark
1	SYJ-4.0-H-1000-A	Main Column Weldment	1	
2	SYJ-4.0-H-1000-B	Slave Column Weldment	1	
3	SYJ-4.0-H-2000-A	Carriage	2	
4	SYJ-4.0-H-3000-B3	Short Straight Arm	2	
5	SYJ-4.0-H-3000-A3	Long Straight Arm	2	
6	SYJ-4.0-H-4000-A	Base Plate	1	
7	SYJ-4.0-H-5000-01	Hydraulic Cylinder	2	
8	FYJ-B-DB-01	Power Unit	1	
9	SYJ-4.0-H-1000-10A	Top Cover Base	2	
10	SYJ-B-92-12	Hex Nut M12	8	Zinc Coating
11	SYJ-B-93-12	Spring asher ϕ 12	8	Zinc Coating
12	SYJ-B-93-12A	Flat Washer ϕ 12	8	Zinc Coating
13	SYJ-B-6170-1235	Outter Hex Bolt M12*35	8	Zinc Coating
14	SYJ-B-1000-25	Bearing Calliper ϕ 25	10	Rust-proof
15	SYJ-B-97.1-2518	25x1.8 Flat Spacer	8	Zinc Coating
16	SYJ-B-5000-14	Bearing *14	6	Copper
17	SYJ-4.0-H-1000-13	Pulley	6	Zinc Coating
18	FYJ-B-2000-11	Nylon Slip Block	16	Nylon
19	SYJ-4.0-H-2000-09	Safety Weldment	2	
20	FYJ-B-2000-12	Rubber Strip	2	Nylon
21	FYJ-B-6171-830	Inner Hex Bolt M8*30	4	Rust-proof
22	SYJ-4.0-H-2000-17	Arm Lock Pin	4	Zinc Coating
23	SYJ-4.0-H-2000-05	Arm Lock Gear	4	Zinc Coating
24	SYJ-4.0-H-2000-532	Tension Round Pin	4	Rust-proof
25	SYJ-B-2000-15	Spacer	4	Zinc Coating
26	SYJ-B-5000-22	Outter Calliper ϕ 22	4	Rust-proof
27	SYJ-4.0-H-5000-A	Pulley Pin	2	Rust-proof
28	SYJ-4.0-H-5000-01	Chain Pulley	2	Zinc Coating
29	SYJ-B-100-047	Bearing *47	2	Copper
30	SYJ-B-97.1-2508	Flat Spacer 25*0.8	2	Zinc Coating
31	SYJ-4.0-H-3000-22	Arm Pin	4	Zinc Coating
32	SYJ-4.0-H-1000-11	Window Cover	2	Nylon
33	SYJ-B-6170-1220	Hex Bolt M12*20	4	Zinc Coating
34	SYJ-B-6170-0816	Inner Hex Bolt M8*16	8	Rust-proof
35	SYJ-4.0-H-3000-17-04	Rubber Pad	4	Nylon
36	SYJ-4.0-H-3000-17-A	Steel Adapter	4	Zinc Coating

37	SYJ-4.0-H-3000-17-02	Adapter Bush	4	Zinc Coating
38	SYJ-4.0-H-3000-17-05	Check Ring	4	Rust-proof
39	SYJ-B-6170-0825	Inner Hex Bolt M8*25	4	Rust-proof
40	SYJ-B-93-80	Flat Spacer $\phi 8$	4	Zinc Coating
41	SYJ-B-97.1-80	Spring Washer $\phi 8$	4	Zinc Coating
42	SYJ-B-92-80	Nut M8	4	Zinc Coating
43	SYJ-B-6172-616	Cross Head Screw M6*16	4	Zinc Coating
44	SYJ-4.0-H-3000-20	Rubber Pad	2	
45	SYJ-4.0-H-3000-21	Mobile Pad Weldment	2	
46	SYJ-4.0-H-3000-24	Adapter	4	Zinc Coating
47	FYJ-B-6171-610	Hex Screw M6*10	4	
48	SYJ-4.0-H-1000-05	Adapter Support	2	
49	SYJ-B-40-000-07	Power Unit Hose 150	1	50Mpa
	Parts of Accessories without showing on the exploded drawing :			
50	SYJ-B-40-000-08	Short oil Hose 1370	1	40Mpa
51	SYJ-B-40-000-09	Long Oil Hose 2850	1	40Mpa
52	SYJ-B-40-000-01	Power Unit Fitting 14*1.5	1	Zinc Coating
53	SYJ-B-40-000-02	90 Degree Fitting 14*1.5 -74°	1	Zinc Coating
54	SYJ-B-40-000-03	Ram Fitting 3/8-14*1.5 -74°	2	Zinc Coating
55	SYJ-B-40-000-04	Ram Fitting 3/8-14*1.5	1	Zinc Coating
56	SYJ-B-97.1-60	Screw 14*1.5	2	Zinc Coating
57	SYJ-B-97.1-65	Combination Washer $\phi 14$	2	Zinc Coating
58	SYJ-B-6001	Steel Cable 8750	2	Zinc Coating
59	SYJ-B-7380	Anchor Bolt M18	10	Zinc Coating
60	SYJ-B-6310	Grease Fitting	2	Copper

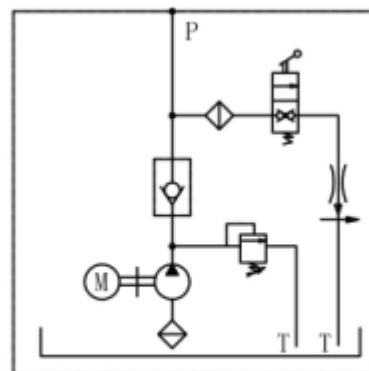
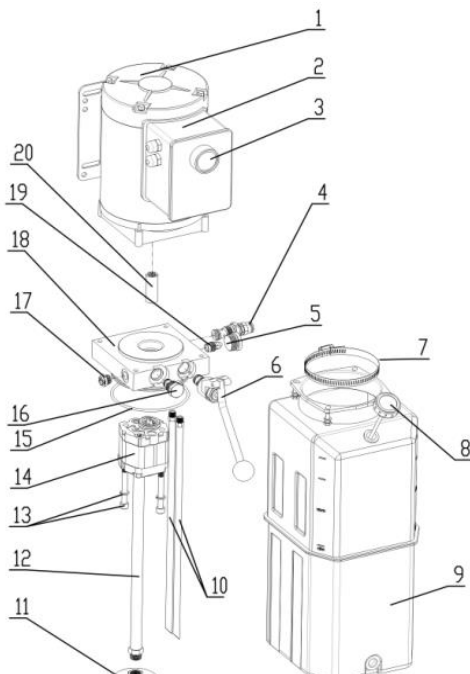
HYDRAULIC POWER UNIT

220V



NO.	Name	Specification	Unit	QTY
1	AC motor	380V 2.2kw 3PH 2850RPM 50Hz 220V 2.2kw 1PH 2850RPM 50Hz	pcs	1
2	AC Contactor	D1210-380-50/60-OT	pcs	1
3	Button switch	SBYW-W	pcs	1
4	Relief valve	RV-02B	pcs	1
5	Plug	SP-06	pcs	1
6	Solenoid valve 2way 2pos	MV-01	pcs	1
7	Clip	113-135	pcs	1
8	Breather cap	FC-04B	pcs	1
9	Tank	11L-TP120A450-V	pcs	1
10	Return pipe	RU10-390	pcs	2
11	Suction filter	FS-03B	pcs	1
12	Suction angle pipe	FP-03V-345	pcs	1
13	Screws	M8*80-N	pcs	2
14	Gear pump	CBK-F120	pcs	1
15	O-ring	112*3.55	pcs	1
16	Check valve	CV-01	pcs	1
17	Plastic valve plug	PP-09	pcs	1
18	Central manifold	CMB1-03-09C	pcs	1
19	Regulator Pressure- compensated valve	RPCV-02-08	pcs	1
20	Connector	MCP-046	pcs	1

380V



Hydraulic Circuit

HYDRAULIC CYLINDER

SN	ITEM	QTY	REMARK
1	Bottom Base	1	
2	Ram Tube	1	
3	Piston	1	
4	Limit Bush	1	
5	Piston Rod	1	
6	"O" Ring	1	
7	Self-locking Nut	1	
8	Guide Ring(①)	1	
9	Seals(①)	1	63*48*10
10	Seals(②)	1	63*53*7
11	Top Cover	1	
12	Pulley Bracket	1	
13	Guide Ring(②)	1	
14	Dust Ring	1	

