TYRE CHANGER

INSTRUCTION & MAINTENANCE MANUAL

We follow the way that wheel moving!

Read this entire manual carefully and completely
before installation or operation of the tire changer

TYRE CHANGER INSTRUCTION MANUAL

INDEX **PAGE**

Tyre Changer

Warning

This instruction manual is important for the machine, please read carefully before installation and use; also it is important for safe use and machine maintenance of machine. Please keep this manual properly in order to further maintenance of the machine.

1. Introduction:

Application Range: The full automatic tyre changer is especially designed for demounting / mounting tyres from wheel rims.

Caution：Please use the machine only for purpose for which it is designed, don't use it for other purposes. Manufacturer shall not be liable for any damage or injury caused by failure to comply with these regulations.

2. Safety Warnings:

Safety regulation: Use of this machine is especially reserved to trained and qualified professional persons, those who already read the introduction manual carefully, or someone have the experience for operating similar machinery. Any changes and beyond the scope of use on this machine without manufacturer's permission or do not according to the manual, may cause the malfunction and damage to machine, manufacturer can cancel warranty coverage for above. If some parts are damaged due to some reason, please replace them according to the spare parts list. (Attention: warranty is one year after manufactures' delivery date; Manufacturer shall not be liable for any damage or injury caused by failure to comply with these regulations(in especially the electrical parts)
Any treatment for the electrical parts can be done by the professional personal

3. Technical data

External locking rim dimensions	12~26 "
Internal locking rim dimensions	16~28 "
Max. Wheel diameter	1143mm（45 ")
Max. Wheel width	457mm(18 ")
Bead breaker pressure (Air pressure is 1Mpa)	2500kg
Working Pressure	8-10bar
Power supply	110V (1ph)/ 220V (1ph)/ 380V (3ph)
Optional Motor power	0.75/1.1 kw
Max. Rotating Torque (Turntable)	1078 Nm
Overall Dimension	1500*1650*1620 mm
Noise Level	<75dB

4. Transport:

When transporting, the machine should be with original package and placed according to the mark on the package. For the already packaged machine should be handled with a corresponding tonnage forklift for loading and unloading. The location to insert the fork feet shown as **Fig 1**

5. Unpacking & Inspection:

Pull out the nail which is nailed on the plate with tip jaw; unpack the carton and plastic cover. Check and make sure all parts shown on the spare parts list are included. If any parts are missing or broken, please do not use the machine and contact the manufacturer or dealer ASAP.

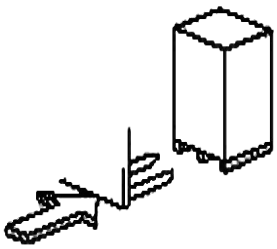


Fig 1

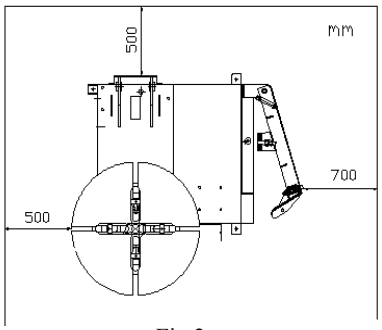


Fig 2

6. Workplace requirements:

Choose workplace in compliance with safety regulations. Connect power supply and air source according to manual and workplace must have good air condition; in order to make the machine run well, its workplace requires at least clear space from each wall shown as **Fig 2**. If installing it outdoor, it must be protected by roof against rain and sunshine.

Warning: the machine with motor must not be operated in explosive atmosphere.

7. Product introduction:

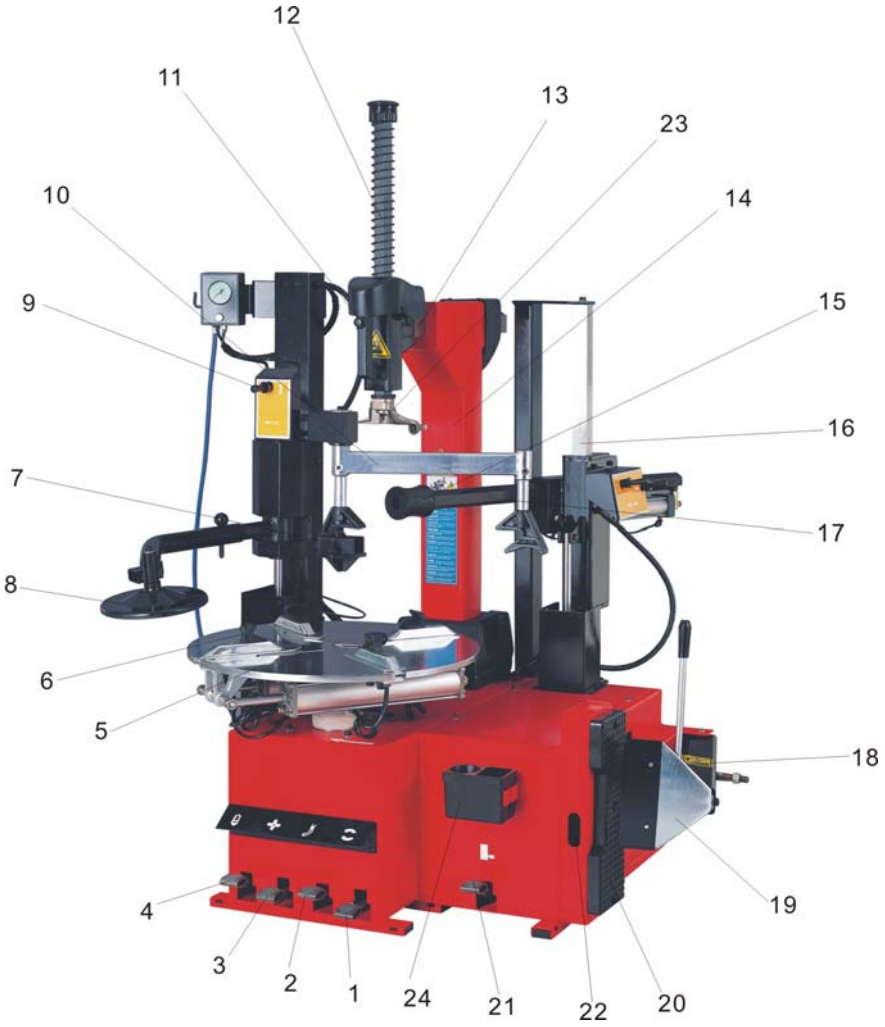


Fig 3

1	Turntable rotation pedal	2	Rapid tire inflation pedal
3	Jaws open and close Pedal	4	Titling pedal
5	Turntable 228	6	Claw
7	Combined tire pressing head seat	8	Tire lifting roller
9	Rise-fall switch handle	10	Rotating arm
11	Pneumatic locking button	12	Hexagonal vertical arm
13	Slide arm	14	Tilting column
15	Tire pressing roller	16	Square column 008
17	Hexagonal horizontal arm	18	Bead breaker arm
19	Bead breaker	20	B-shape rubber buffer
21	Tire pressing pedal	22	Lifting level
23	Mounting/demounting head	24	Oil-water box

8.Installation:

7.1 Install the column (accessories details refer to the exploded drawing)

1) Tools preparation

2) Place the tilting seat (3, Fig 4) on the body (1, Fig 3) with 4 bolts (M12), push air hose (2, Fig 4) through the hole of the column. Tighten 4 self-locking nut (8, Fig 3).

3) Insert screw (9, Fig 4) into the holes of both column and tilting cylinder shaft (11, Fig 4), tighten it with self-locking nut (10, Fig 4).

4) Unscrew the two bolts on the left cover and remove the cover, connect air hose (2, Fig 4) previously mentioned to the side holes which control the tilting 5-way valve. Fix the left cover.

5) Fix the plastic cover (7, Fig 4) with two bolts (4, Fig 4).

6) Mount the plastic back cover (5, Fig 4) on the column with screw (6, Fig 4).

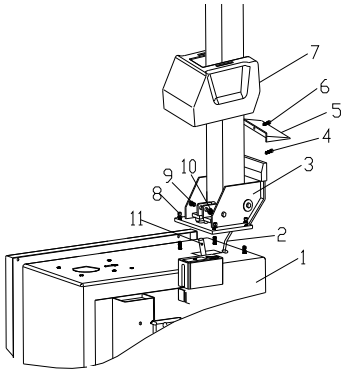


Fig 4

9. Pneumatic connection:

Follow the steps below:

1）Tread the pedal 3(Fig 3), make sure that the claw will not open suddenly

2）Connect the inflation gun with the relevant connector if installation is needed

3）Connect the air tube(inner diameter is 7-8mm) with the tyre changer through the connector. The recommended working pressure is 8-10bar

Caution: The compressed air pressure exceed 10 bar is not allowed. Please install the pressure adjustment valve if the air source is over 10bar

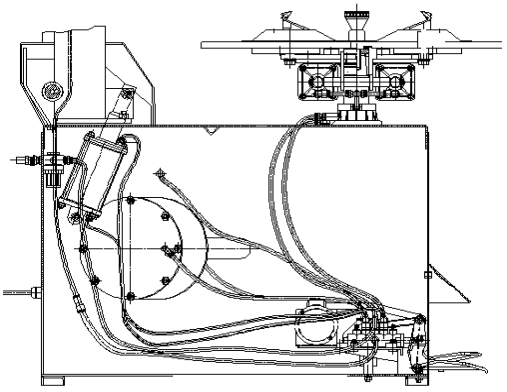


Fig 5

10. Power supply connection:

Check whether the voltage is the same as the voltage data marked on the machine or not. The equipment should be well ground connection. Leakage current is set at 30A

Caution: Any treatment for the electrical parts can be done by the professional personal. Manufacturer shall not be liable for any damage or injury caused by failure to comply with these regulations.

Warning: Keep your body away from the rotating parts. Do not wearing Chains, bracelets, loose clothes. When the warning label is dim or missing, replace it at once. Stop any operation when several warning labels are missing

11. Control device:

The control device is shown as Fig 3, including:

Pneumatic locking button 11: use for locking and losing hexagonal vertical arm and slide arm., and control the distance from Mounting head/demounting head to the edge of wheel rim about 2-3 mm

Tilting pedal 4: lean the column backward

Jaw open and close pedal 3: open/close the four claws of the turntable

Tire pressing pedal 21: control the tire bead breaker 19

Rotation petal 1: rotate the turntable 5 clockwise/anticlockwise

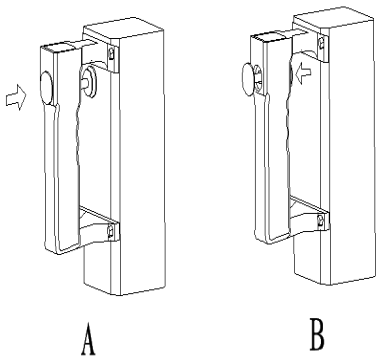


Fig 6

12. Operation inspection:

Check the tyre changer whether works normally or not by following steps:

1）Tread the Turntable Rotation Pedal 1(Fig 3), Turntable clockwise rotation;Lift up the Turntable Rotation Pedal 1, Turntable counterclockwise rotation. Keep the pedal in the middle position, the turntable will stop rotating.

2）Tread Bead Breaker Pedal 18, Bead Breaker shovel 18 compress; release Bead Breaker Pedal 21, Bead Breaker shovel 18 back to original position.

3）Tread totally down Jaws open and close Pedal 3, four clamps on the turntable open; Tread again, four clamps close. When the pedal is in the middle position, the four clamps stop moving.

4）Tread the Bead Breaker pedal 4, the tilting column 14 backwards down; depress again, the tilting column return.

5）Dress pneumatic locking button 11 to lock the Slide arm 13 and Vertical arm 12, and the mounting/demounting head will be rise 2-3mm from the tire rim. Press again the button to lose the Slide arm 13 and Vertical arm 12.

6）Press the trigger of pressure gauge, the gas should spray from the air nozzle

13. Operation guide

Warning: Remove all the wheel weights from the rim

13.1 Breaking the tire bead

When tread the tire pressing pedal, the bead breaker shovel moves rapidly and powerfully. It may cause some damage to goods in the working range. It should be cautious to demount the tire rim

1）Exhaust the air in the tire and remove the valve cap from the valve stem

2）Close the four claws to avoid scratching the tire. If the claws are open, it may touch the hands of operator. Do not touch the tire bead when demounting it.

3）Push the bead breaker shovel outward, make the tire live on the rubber buffer(shown as Fig 7). Place the tyre against the rubber buffer . Bring the shovel against the bead about 10mm from the edge of the rim

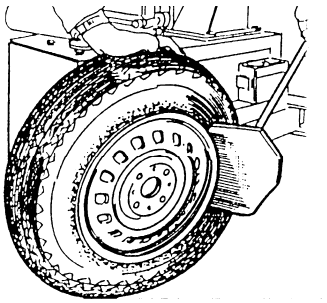


Fig 7

Warning: The bead breaker shovel lie on the tire edge, not the tire rim.

4）Depress Bead breaker Pedal to push paddle into tyre. Repeat the above operations on different positions around the tyre and both sides of tyre until tyre bead is released completely.

13.2 Clamping the tyre

1）Ensure to remove all the weights on the wheel rim and to exhaust the air in the tyre completely before this operation

2）Apply lubricating grease (or similar lubricant) around the tyre bead

3）Tread the Bead Breaker pedal 4(Fig 3), the tilting column 14 backwards down

4）**a-** to clamp the wheel from outside:(rim diameter: 12″ ～25″)

Depress the Jaws open and close Pedal 3 halfway down to middle, positioning for the four clamps by reference scale on the Turntable ; put the tyre on turntable, hold the rim, and depress the Jaws open and close Pedal until the wheel is secured by the jaws.

b- to clamp the wheel from inside: (rim diameter: 14″ ～28″)

Positioning for the four clamps and let them all closed. Put the tyre on the turntable and depress the Jaws open and close Pedal to open the clamps thereby lock the wheel in place.

13.3. Demounting the tyre：

1）Pull the slide arm 13(Fig 3) to its working position. When moving the slide arm, do not put hands on the tire rim, avoid scratching hands.

2）Make the mounting/demounting head 23(Fig 3) lie on the rim edge, press the button 11to lock the slide arm 13(Fig 3) and hexagonal vertical arm 12(Fig 3). The mounting/demounting head will be rise 2-3mm upward and moved 2-3mm backward.

3）Insert the Lifting Lever 22(Fig 3)between the tyre bead and the front section of the mounting head/demounting head , and move the tyre above the mounting head/demounting head as shown as **Fig 8**.Caution :Place the air nozzle on the right side about 10cm from the mounting/demounting head in order to avoid extruding the inner tire. With the Lifting Lever held in position, depress the Turntable Rotation Pedal 1, rotate the Turntable 5 in a clockwise direction until the tyre is completely separated from the wheel rim. Keep your hands and body away from the rotation parts to avoid accident. **Caution:** If the rubber is very hard and easily slide from the mounting/demounting head, rotating the turntable anticlockwise about 1-2cm before clockwise rotation. Keep the lifting level in position shown as Fig 8

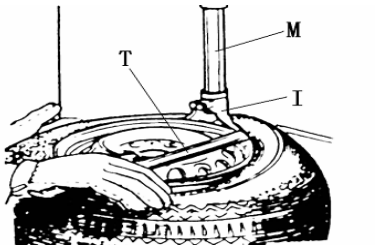


Fig 8

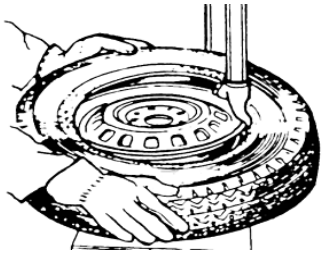


Fig 9

4）Remove the inner tire if it exists

5）Repeat the step 3 and demount the tire bead

6）Tread the pedal 4(Fig 3), the tilting column 14 backwards down. Take down the tire from the tire rim

13.4.Mounting the tyre：

A . Check the tire and tire rim

Caution: Checking the tire and tire rim is very important to avoid tire break during inflation and tire rim installation.

Items confirmed before installation:

1）The tire and cord tire fabric are not damaged. Do not mount the tire when damage is found

2）No upheaval and sinking on the tire rim

Caution: Sinking may cause invisible inner microscopic crack to the tire rim, especially the alloy tire rim. Even that may bring danger during inflation.

3）The tire diameter is same as the tire rim

Caution: The diameter is printed on the tire rim and the tire sidewall. Do not fixing the tire when tire diameter is not confirmed.

B . Fixing the tire

1）Use the rubber lubricant recommended by manufacture to lubricate the tire bead and tire rim

2）When installing different size of rims, clamping them on the turntable according to the step “clamping the tyre”

3）Pull the slide arm 13(Fig 3) back to its working position. When moving the slide arm, do not put hands on the tire rim, avoid scratching hands

4）Make the mounting/demounting head lie on the rim edge, press the button 11to lock the slide arm 13 and hexagonal vertical arm 12

Important note: If the tire rim size is the same as the before one, only tread the pedal 4 to reset the tire

5）Let one side of tyre down bead above the rear section of the Mounting head/demounting head, the other side under the front section of the Mounting head/demounting head. Shown as Fig 8

Importance: If there is no inner tire, let the air nozzle and mounting/demounting head lie in a line. Tread pedal 1, the turntable rotates clockwise. When the tire rotates, the tire bead which on the opposite side of mounting/demounting head is pressed to the dent of tire rim. That can decrease the pressure of tire rim. Keep your hands and body away from the rotation parts when turntable rotates.

6）Mount the inner tire if the tire has

7）If the down tire bead is mounted completely, repeat the steps above and mount the upper tire bead. Tread the pedal 4 after mounting the tire, the tilting column 14 backwards down.

8）Tread the pedal 3, take down the tire from the tire rim

Caution: When mounting/demounting tire and installing the machine, the turntable always rotates clockwise. Anticlockwise rotation only used for correcting operation mistake.

13.5. Inflating the tire :

Importance: It is very dangerous during inflating operation, take carefully and comply with instruction. When inflating, it will turn to be extremely dangerous if problems happen to tyre or rim. The possible burst force tire goes upward and outward, the big power may cause injury or death of the operator or the people around.

Tyre may burst caused by following(Fig 9)

1) The wheel rim and the tyre are not of the same size;
2) The tyre or the wheel rim is damaged;
3) The pressure of tyre inflation is over the max. pressure recommended by manufacturer;
4) The operator fail to comply with the safety regulation;

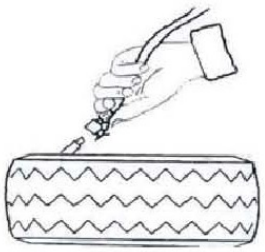


Fig 10

Please operate as follows:

1) Remove the valve cap from the valve stem;
2) Check to make sure the air nozzle is pressed down completely over the threads of the valve stem.
3) Check to make sure that the tyre and the wheel rim are of the same size;
4) Lubricate both the tyre bead and the wheel rim, additional lubrication is required if needed;
5) Inflate the tyre with break, while inflating, check the pressure listed on the pressure gauge, also check whether the bead is fixed or not. Repeat operation above until the bead is secured; you need take special steps when inflating convex rim or double convex rim;
6) Continue inflating and check the air pressure frequently until to reach the required pressure.

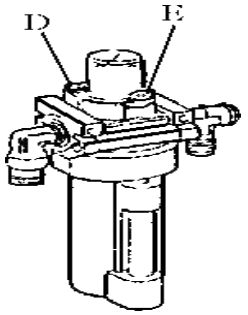


Fig 11

Note: Never exceed the max. inflation pressure given by the tyre manufacturer.
Keep hands and your body away from inflating tyres.
Only specially trained persons are allowed to perform the operations, do not allow other to operate or be near the tyre changer.

14. Storage

Cut off the power supply and air source if the equipment needs long time storage. Lubricate the parts: slide block, slide block groove on the turntable, slide arm, installation position and so on. Drain out the oil from the storage unit. Cover the equipment with plastic cover to keep it away from water and dust

15. Maintenance:

Caution: only the professional persons can do the maintenance. Disconnect the tyre changer from the electric power supply and pneumatic power supply

1) Disconnect the tyre changer from the electric power supply
1) Disconnect the tyre changer from the pneumatic power supply

Do the daily maintenance as following steps:

Clean the machine once every day after work. Clean the dirt on the turntable with diesel oil once per week and lubricate the slides and clamps.

Following maintenance must be done at least once per month:

Check oil level in Oil Fog Maker, please be filled with SAE30# oil if need.Unscrew with hex wrench (E). Based on connection of compressed air, first to depress Jaws open and close Pedal or Turntable Rotation Pedal 5-6 times, and

then check whether oil in Oil Fog Maker drops down a drip of oil. For continuous operation, depress twice every time, drop down a drip of oil, otherwise adjust the screw (D) that controlled oil enter with minus screwdriver.
(Fig 11). In order to extend the service lift of machine, the operator should proceed the maintenance as the manual requirement. If not, the machine may bring some damage to the operators and nearby personal

- As shown in Figure 9-1, when you found there are some water in the cup, push up the drain valve to drain away water with your fingers; loosen your fingers after drained water, drain valve can be automatic closed under the action of the spring.

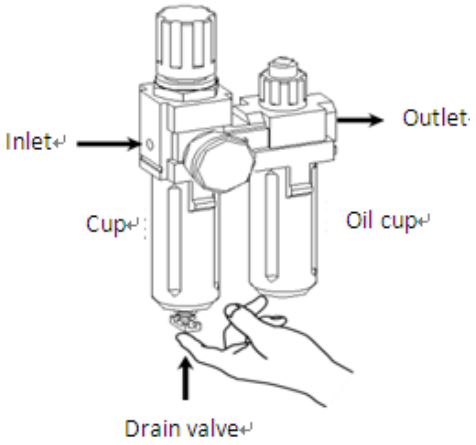


Fig11-1

Note: Before performing any maintenance, disconnect the tyre changer from the electric power supply and pneumatic power supply, and depress the Jaws open and close Pedal or Turntable Rotation Pedal for 3~4 times to evacuate all compressed air from the machine. Damaged parts must be replaced by professional persons with the spare parts provided by manufacturer

Note: After the first 20 days of use, retighten the jaws with tightening screws (B) on the Turntable (Fig 20)

Note: in the event of turntable lose power, check to see if the belt is tight as follow steps:
Remove the left side cover by unscrewing the screws; adjust two screws located on the motor support, keep a suitable distance between motor support and motor base; tight the screws for the belt tension.(Fig 21)

Caution: please disconnect the machine from electric power supply and pneumatic power supply.

Note: In order to achieve the reliability of jaws and Bead Breaker shovel, operate as follows to keep their valves clean:
1. Remove the left side cover of the machine body by unscrewing the two screws;
2. Loosen the valve mufflers (A) which belong to Jaws open and close Pedal and Bead Breaker Pedal;
3. Clean the mufflers with compressed air, please replace it referring to the spare parts list if it is damaged.

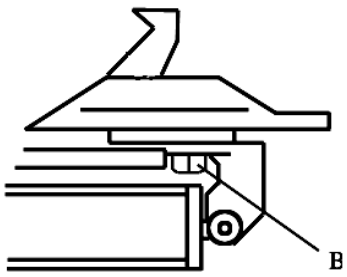


Fig 12

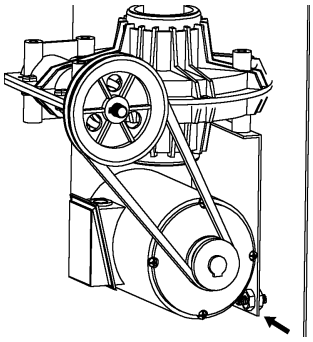


Fig 13

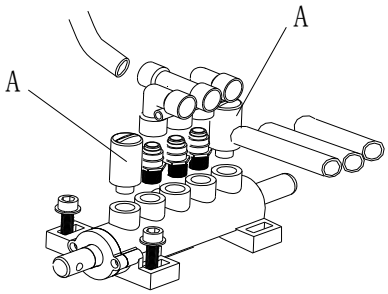


Fig 14

16. Help Arm introduction

The help arm 007B left and help arm 028 are auxiliary devices for tire changer, it is used to help to demount and mount tires.

Before any operation of this machine, the operator is requested to read the manual carefully. Do not attempt any operations that are not stated in it. Manufacturer will not be responsible for any injury or damage caused by improper operation. Please keep the manual handy for consulting.

16.1 Technical Data

Work Pressure	8~10 bar
Noise Level	LpA<75dB

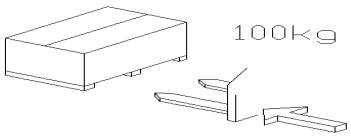


Fig 15

16.2. Safety Regulations

This device is especially reserved to trained professional personnel or somebody who has experiences on mechanical operation and read this manual carefully. This device must be used together with our tire changers, we are not sure it can work with others. Manufacturer won't be responsible for any unauthorized modification.

16.3. Installation

Notice!

The installation of this auxiliary device should be done by professional personnel. Before assembly, disconnect the device from power supply and air source.

16.4.Transport

Move the device with a forklift truck as illustrated in Fig 8.

16.5. Unpacking

When unpacking, check and make sure all parts shown on the packing list are included. If any parts are missing or broken, please call the manufacturer or the dealer asap. Please keep the package out of children's reach.

16.6. Workplace Requirement

Fig 16 shows the minimum distance (cm) from walls after assembly this auxiliary device. Please choose the right place to install it.

16.7. Assembly

Install the help arm 007B and 028 on the tyre changer as following:

1) Disconnect the tire changer from power supply and air source.
2) Dismount the left side plate of tyre changer
3) Install the two triangle support of help arm 007B. Install the help arm 007B and 028 on the tyre changer with the standard parts shown as Fig 17:

1、M 10 x 30 bolt　　2、φ10　washer　　3、M 10 self-locking nut

4) Let the 8mm air tube go through the prepared hole behind the machine body and connect it with the relevant T-union
5) Connect the 6mm air tube with the 5-way valve inside the mahine body.(Fig 5)
6) Cover the left side plate

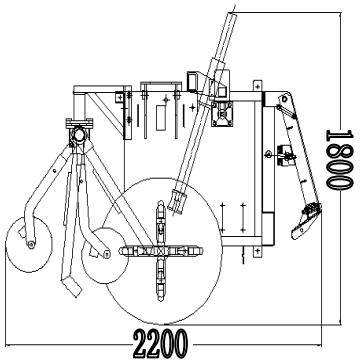


Fig 16

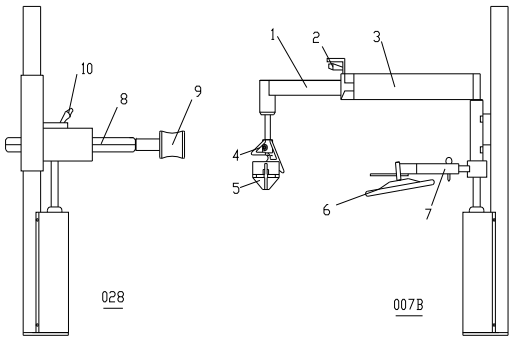


Fig 17

16.8. Functional Parts

Fig 17 shows functional parts to the help arm device:

1. 007B swing arm
2. Rise-fall switch handle
3. Tire lifting roller support
4. Tire pressing head (upper)
5. Tire pressing head (bottom)
6. Tire lifting roller
7. Bended rod component
8. Hexagonal vertical arm
9. Tire pressing roller
10. 028 rise-fall switch handle

Function introduction of the rise-fall switch handle:
007B rise-fall switch handle (2,Fig 17): use for rising/falling 007B swing arm
028 rise-fall switch handle (10,Fig 17): use for rising/falling 028 tire pressing roller

16.9. Trial operation

图 18

The help arm devices must connect with the air compressor, and adjust the air pressure about 8 bars (the working air pressure of the help arm is 8 bars). Push the 007B switch handle(Fig 17) upward, the swing arm 1(Fig 17)rise. Push the switch handle downward, the swing arm 1 fall. Push the 028 switch handle(10,Fig 17) upward, the tire pressing roller 9(Fig 17) rise. Push the switch handle downward, the tire pressing roller fall.

Safety warning label:
Warning: Unreadable and missing warning labels must be replaced immediately.
Do not use the tire changer if one or more labels are missing.
Do not add any object that could prevent the operator from seeing the labels.
Order the warning labels shown as below on the place where you need

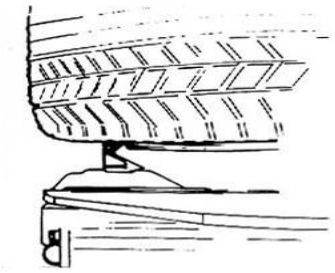


Fig 19

16.10. Operations

Help arm device is used to mount and demount big flat tire and sports car wide tire. It can also use the help arm device when mounting/demounting tire run across difficulties. By the help of help arm to mount/demount the tire from the tire bead will make the operation easier. It is a good helper for tire changer.

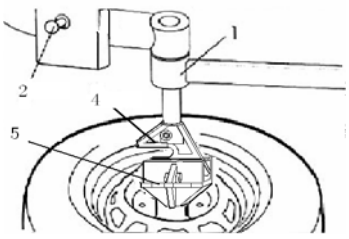


Fig 20

A. Fixing The Tire

Loosen the bead according to the manual. The mounting/demounting power is greater when using this help arm. Clamp the tire from outside (suggest to using the protection cover on the jaws). Tread the corresponding pedal to open the jaws, and rotate the auxiliary arm to the non-working position; Put the tire on the turntable, depress the corresponding pedal to close the jaws until they near the rim and touch with the tire(Fig 20). Rise the 007B help arm to let it be in the non-working position. Insert the tire pressing head (upper) 4 and tire pressing head (bottom) 5 on the rotating arm 1(Fig 20); Turn the rotating arm 1 to its working position. Fix the tire with the tire pressing head (bottom) 5 preparing for central positioning. Lower the auxiliary arm slowly with the switch handle 2 until the tire pressing head (bottom) 5 get touch with the rim center. Then lower it about 1 cm once more to make the jaws touch the rim; Tighten the jaws, and raise the auxiliary arm with the switch handle. Remove the tire pressing head (upper) and tire pressing head (bottom) , turn the rotating arm 1 to its non-working position.

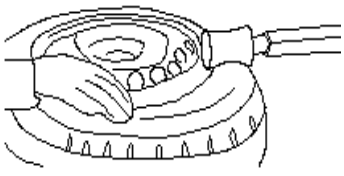


Fig 21

B. Demounting The Tire

Generally speaking, tire is very tight. Loosen the beads with the tire pressing head first (or using the bead breaker if it too tight to loosen).Pull out the Hexagonal horizontal arm; let the tire pressing roller above the tire without collision. Lower the tire pressing

Fig 22

roller lower with the 028 switch handle to press the tire. Tread the pedal to rotate the turntable. Loosen the bead during this procedure. **(Fig 21)**

Caution：Lubricate the tire pressing head (upper) and the bead before the operation.

C. Demounting the upper bead

Move the mounting head near the edge of the rim, rotate the 007B tire pressing arm to move the tire pressing block above the tire about 3-5cm, press the switch handle to depress the tire, and insert the lifting lever in the clearance between the tire and the rim, then hang the bead on the mounting head. (**Fig 22**) Raise the 007B auxiliary arm, rotate the tire pressing head to the opposite(Fig 23). Press the tire with the switch handle to create enough space. Insert the Lifting Lever between the tyre bead and the front section of the mounting head/demounting head, and move the tyre above the mounting head/demounting head. Rise the 007B help arm and rotate it to the non-working position. Tread the power supply pedal to rotate the turntable. With the help of the tire pressing head, the upper tire bead is detached. Raise the help arm to move the tire pressing block to its non-working position.

D. Demounting the bottom bead

a-Turn the roller support and move it under the tire, but don't touch it with the rim.；**(Fig 24)**

b-Insert the lifting level into the hole of tire lifting roller, let the tire lifting roller adjoin behind the tire. Tread the power supply pedal to rotate the turntable, meanwhile, lift help arm gradually to loosen tire and completely demount the bottom bead.

Caution: The roller support can't be used for all tires, some tires need following operation: Move the mounting head above the rim; Insert the lifting lever in the clearance between the bottom tire bead and the rim, have the tire hung on the mounting head; Tread the power supply pedal to rotate the turntable and rise the 028 help arm. With the help of the mounting head, the tire is detached completely.

E. Mounting the tire

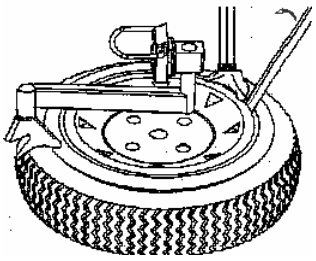


Fig 23

1) Mount the bottom bead with the mounting head first
2) Pull the hex rod out, press the upper bead under the mounting head 5mm with the tire pressing roller,
3)rotate the rotating arm and move the tire pressing block above the tire;

Tread the power supply pedal to rotate the turntable and the tire pressing block, lower the help arm to press the tire under the rim. Mount the tire with the mounting head. Please pay attention to the safety in the process of operation.（Fig 26）

Caution :Don't touch with the rim in the operation, or it causes damage on the rim due to friction.

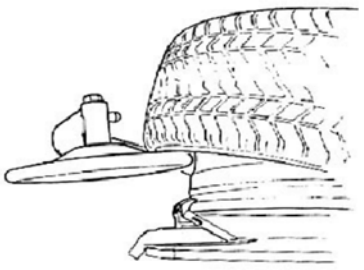


Fig 24

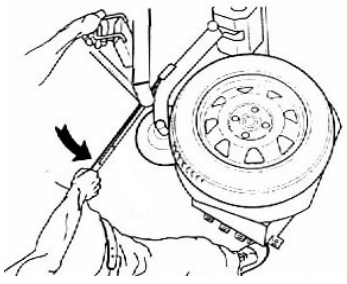


Fig 25

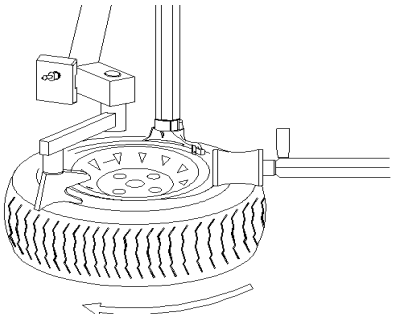


Fig 26

17. Rapid tyre inflation system

1)Rapid Tire Inflation Device**:**

2)Note: before inflating operation, please make sure the pneumatic power supply connect well.

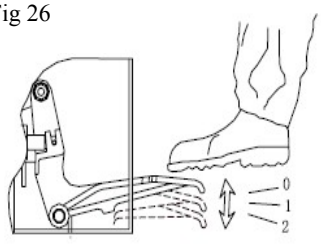


Fig 27

3)Before operation, must check the devices perform well as follow:
a. Press Rapid Tire Inflation Pedal to the middle position (Fig 27, position 1), the inflating head should give air.
b. Press Rapid Tire Inflation Pedal all the way down (Fig 27, position 2), a strong air blast should come from the holes in the four jaws' locking sliders. **(Fig 28)**

17.1. Wheel rim lock and Tire inflation:

Note：A wheel can explode if:
1). the diameter of the rim is not exactly the same at the tyre's.
2). the rim or tyre are defective.
3). the tyre is inflated to a pressure higher than the maximum recommended by the manufacturer.
4). the operator does not observe the requisite safety regulations.

17.2. Inflation for tire with inner tube:

1). Remove the valve stem.
2). Check to be certain that tyre and rim diameter correspond.
3). Check to be certain that rim and beads are sufficiently lubricated.
4). Press the pedal down to the middle position to start inflation.
5). Release frequently the inflating pedal to check pressure on the manometer. If the air pressure is too high, press the button under the manometer for release the rest air until the correct pressure is reached.

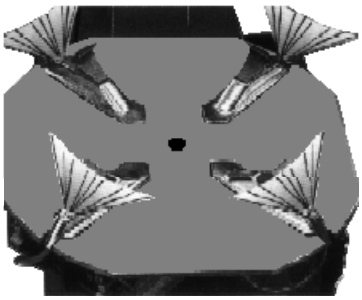


Fig 28

17.3. Inflation for tubeless tire:

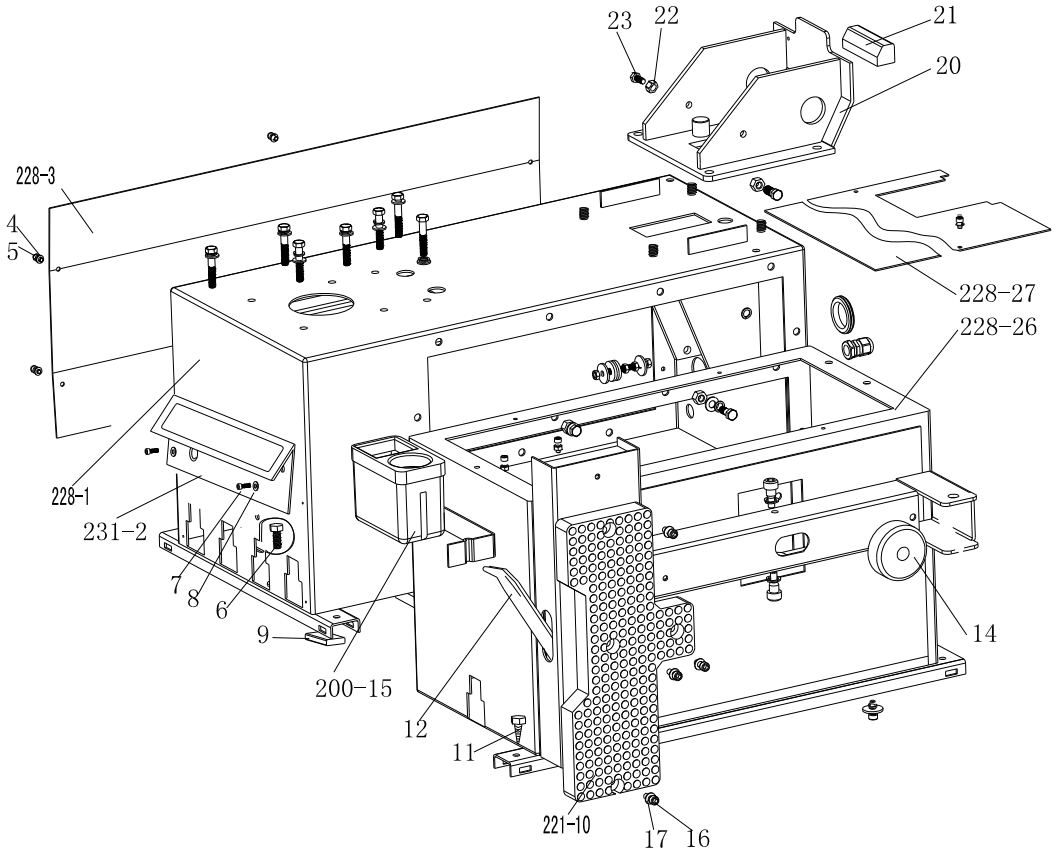
Note: When inflating tubeless tire using a strong jet of air, the wheel must be clamped from the inside of the rim.
1). Remove the valve stem.
2). Check to be certain that tire and rim diameter correspond.
3). Check to be certain that rim and beads are sufficiently lubricated.
4). Press the pedal down to the middle position to start inflation.
5). If the bead of the tyre is not well seated, due to a strong bead, lift tyre manually until the upper bead seals against the rim, then press the pedal all the way down. A strong jet of air will be released through the nozzles in the slides and this will help the bead seal.
6). Release the tyre, set the pedal back to the middle position and continue to inflate the tyre to the required pressure. If the air pressure is too high, press the button under the manometer for release the rest air until the correct pressure is reached.

Note:
1). Failure to follow all warnings and instructions may lead to serious personal injury or death to operator or bystander. NEVER exceed 3.5 bar (50 psi) when seating beads or inflating tyres.
2). If a higher tire inflation pressure is required, remove the wheel from the tyre changer and continue the inflation procedure with the wheel inside a special protection cage. NEVER exceed the maximum inflation pressure given by the tyre manufacturer.
3). Only specially trained persons are allowed to perform these operations. Do not allow others to operate or be near to the tyre changer.

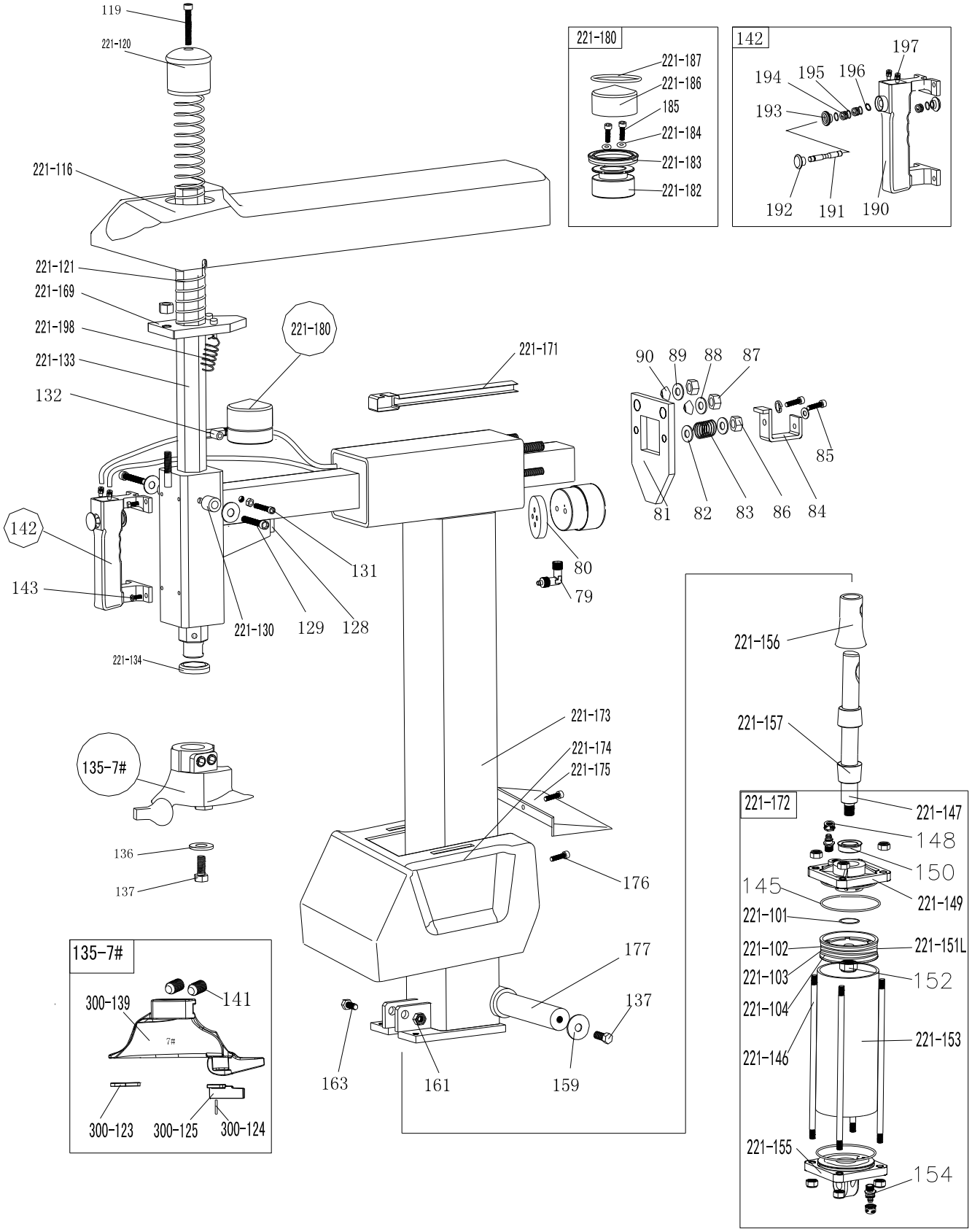
18. Trouble shooting table:

Problem	Reason	Solution
The turntable rotate just in one direction or can't rotate.	Reverse Switch broken	Replace the Reverse Switch
	Belt broken	Replace the belt
	The Motor's malfunction	Check the motor cable or terminal block wire; Replace the motor if it was broken.
Demount or fix the wheel, the turntable can't lock (spin with wheel); The jaws delay to open/close; The turntable locks the rim incorrectly.	Leakage of Air network	Check all the parts on the air network.
	The clamping cylinder can't work.	Replace the cylinder piston.
	Worn jaws	Replace the jaws.
	Broken washers of the chuck cylinder	Replace it.
The mounting head/demounting head always touch the rim during operation.	The locking plate incorrectly adjust or unqualified.	Replace or adjust it.
	Screws on the chuck loose; the Vertical Arm can't be locked by Locking Plate	Tighten the screws; replace the Locking Plate.
The Bead Breaker Pedal and Jaw open and close Pedal can't turn back to the original position.	pedal spring broken	Replace it.
The switch handle operates difficultly	No air source connected	Connect the air source according to requirement
	Air tube bend or fracture	Check the gas circuit, replace the broken air tube and union
	Air valve is broken	Please contact the after-sales service department
The Bead Breaker shovel operates difficultly.	Jammed silencer	Clean it or replace it.
	The washer on the Bead Breaker cylinder is broken.	Replace it.

19. Exploded drawing:



228-1	CX-228-010100-0	Main machine body
231-2	CZ-231-080000-0	Pedal front cover
228-3	CX-228-020000-0	Left cover
4	B-010-060101-0	Flat washer Ø6*14*1.2
5	B-040-061412-1	Hex socket head bolt M6×10
6	B-014-080251-0	Outer hex bolt M8x25
7	B-010-080201-0	Hex socket head bolt M8×20
8	B-040-061412-1	Flat washer Ø 6*14*1.2
9	C-000-001020-0	Rubber foot buffer
221-10	C-221-500000-0	Bead breaker buffer
11	B-027-060401-0	Grounding screw M6x40
12	C-200-580000-0	Lifting lever
14	C-200-510000-0	Bead breaker arm rubber
200-15	C-200-470000-0	Oil-water box
16	B-010-080201-0	Hex socket head bolt M8x20
17	B-040-081715-1	Flat washer Ø8*17*1.5
20	CX-221-010106-0	Tilting seat
21	C-221-820000-0	Tilting protect cover
22	B-001-100001-0	Nut M10
23	B-014-100251-0	Outer hex bolt M10×25
228-26	CX-228-010200-0	Sub machine body
228-27	CX-228-010400-0	Upper cover plate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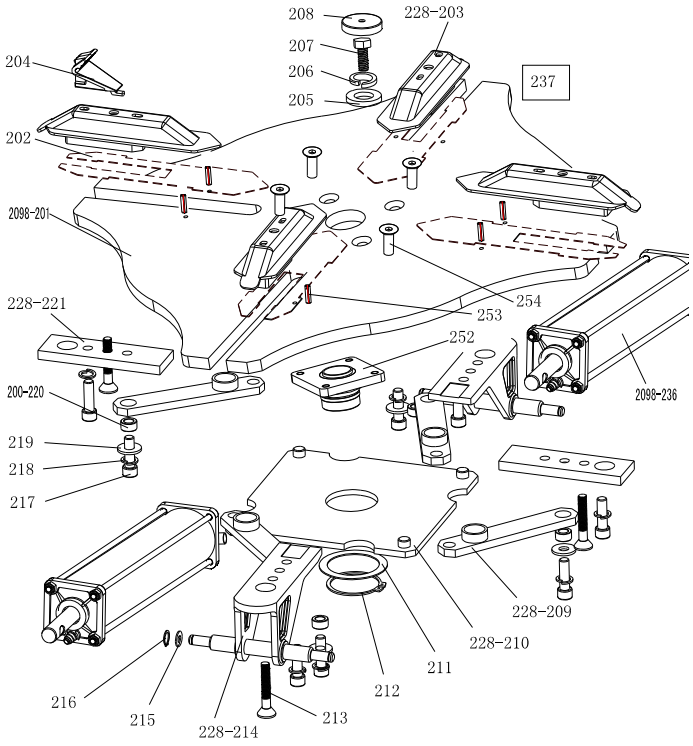
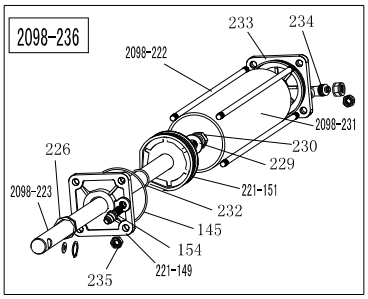
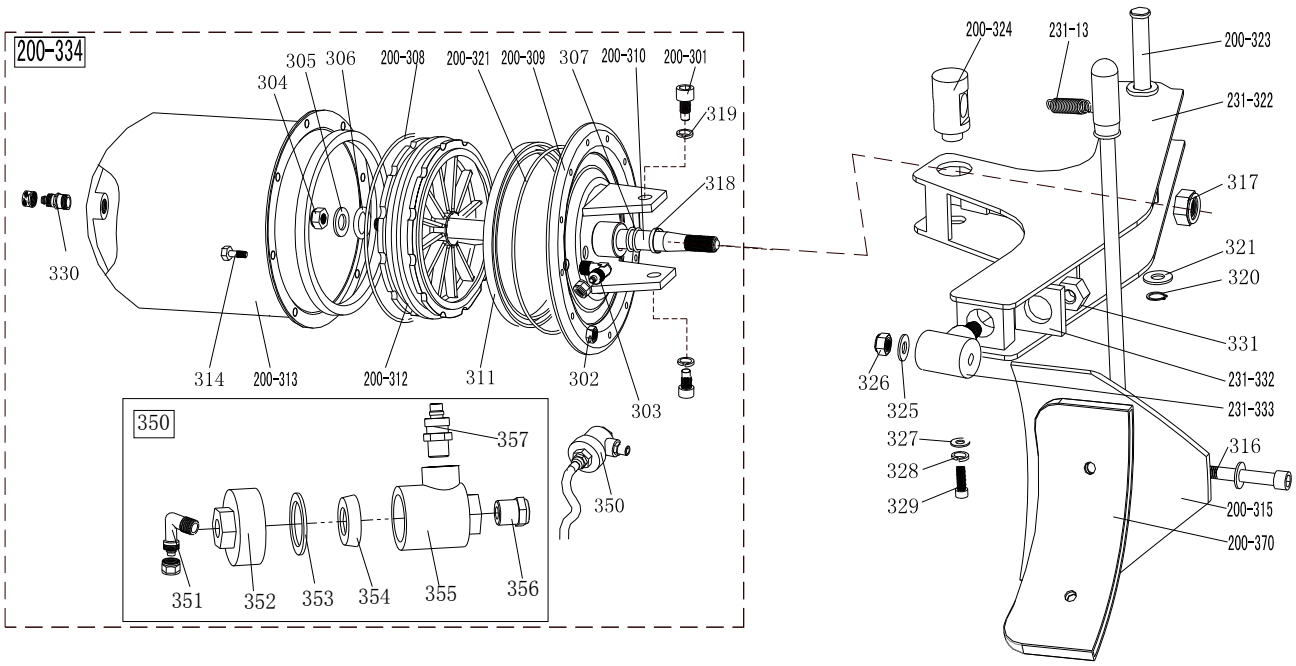
79	S-012-010806-0	Quick union 1/8-Ø6	221-147	C-221-350200-0	Tilting cylinder piston rod
80	C-221-250600-0	Locking cylinder plate	148	B-001-080001-0	Self-locking nut M8
81	CX-231-190000-0	Horizontal arm locking plate	221-149	C-221-350100-0	Tilting cylinder cover
82	B-040-081715-1	Flat washer Φ8*17*1.5	150	S-005-020075-0	V seal Ø20*28*7.5
83	C-221-410000-0	Horizontal arm locking spring	221-151	C-221-550000-0	Tilting cylinder piston(Al-alloy) ϕ 75
231-84	CX-231-240000-0	Horizontal arm block	152	B-004-120071-0	Nut (silver) M12*1.5*7
85	B-014-080201-0	Outer hex bolt M8*20	221-153	C-221-350500-0	Tilting cylinder barrel
86	B-001-080001-0	Self-locking nut M8	154	S-010-010806-0	Straight union 1/8-Ø6
87	B-001-120001-0	Self-locking nut M12	221-155	C-221-350300-0	Titling cylinder cover with
88	B-040-122520-1	Flat washer Φ 12*25*2	221-156	CX-221-351000-0	Tilting cylinder pistion rod
89	B-040-122520-1	Flat washer Φ 12*25*2	221-157	C-221-350700-0	Titling cylinder rubber
90	C-221-230000-0	Locking spacer	159	B-040-104030-1	Flat washer 10*40*3
231-91	C-231-780000-0	Horizontal arm protection back cover	161	B-001-120001-0	Self-locking nut M12
231-92	B-007-100161-0	Hex socket head bolt M10*16	163	B-014-120651-0	Outer hex bolt M12×65
231-93	B-007-080161-0	Hex socket head bolt M8*16	221-169	CX-221-220000-0	Hex locking board 221
231-94	CX-231-251300-0	column side pulley	231-171	C-231-790000-0	hose guide
231-95	C-231-251400-0	column side pulley pin	221-172	CW-105-021102-0	Complete titling cylinder
231-116	C-231-480000-0	Horizontal arm protection front cover	231-173	CX-231-250000-A	Column
119	B-010-100501-0	Hex socket head bolt M10*50	221-175	C-221-460000-0	Titling Column back cover
228-120	C-228-490000-0	Vertical arm cap 228	231-174	C-231-450000-0	Column protection cover
228-121	C-228-390000-0	Vertical arm spring	176	B-024-050161-1	Cross head screw 5*16
128	C-221-200000-0	Shock absorber	177	CX-221-260000-0	Column shaft
129	B-010-060351-0	Hex socket head bolt M6×35	221-180		Complete locking cylinder
221-130	P-120-260000-0	guide pulley	221-182	CZ-221-090100-0	Complete locking cylinder
131	B-010-060161-0	Hex socket head bolt M6×16	221-183	S-005-050065-1	V seal Ø50*60*6.5
132	S-017-010806-2	T-union 1/8-2*O6	221-184	S-000-006300-0	O-ring 6×3
221-133	CX-221-160000-0	Vertical arm	185	B-010-060551-0	Hex socket head bolt M6
221-134	C-228-520000-0	Vertical arm washer	221-186	CX-221-090200-0	Locking cylinder cover
135-7#	CW-013-030000-0	Complete Mount/demount head 7#	221-187	S-000-052200-0	O-ring Ø52×2
300-139	C-300-150000-0	Mount/demount head 7#	190	C-221-210100-0	Pneumatic handle switch
300-123	C-300-150300-0	Mount/demount head pulley	191	C-221-210200-0	Pneumatic handle valve
300-124	C-200-150400-0	hex round pin	192	C-221-210500-0	Pneumatic valve rod cap
300-125	C-300-150500-0	7# Mount/demount head protection	193	C-221-210300-0	Pneumatic handle cover
136	CX-200-170000-0	7# Mount/demount head protection washer	194	C-221-210400-0	Pneumatic handle spacer
137	B-014-100251-0	Outer hex bolt M10×25	195	S-000-007265-0	O seal 7.5*2.65
141	B-007-120121-0	Hex socket head bolt M12×12	196	B-055-080001-0	Snap ring Ø8
142	CW-119-021100-0	Complete Pneumatic locking switch	197	S-010-010806-0	Straight union 1/8-Ø6
143	B-010-060161-0	Hex socket head bolt M6×16	221-198	C-221-400000-0	Hex locking board spring
145	S-000-068353-0	O seal Ø68.26*3.53	199	B-007-100121-0	Hex socket head screw
221-146	C-221-350900-0	Tilting cylinder threaded			





2098-201	CX-298-130100-0	Turntable 720
202	CX-298-120300-0	Jaw sliding plate(optional)
228-203	CX-228-120000-0	Jaw cap assembly
204	C-200-570000-0	Jaw 200
205	CX-200-140000-0	Big washer
206	B-050-160000-0	Spring washer Ø16
207	B-014-160401-0	Outer hex bolt M16×40x15
208	C-200-440000-0	Turntable cap
228-209	CX-298-310000-0	Connection rod assembly 615
228-210	CX-298-280000-0	Square turntable 660
211	CX-200-290000-0	Square turntable washer
212	B-055-650001-0	Snap ring Ø65(shaft)
213	B-012-120631-0	Hex socket sunk head screw
228-214	CX-228-110200-0	Jaw seat with shaft
215	B-040-122520-1	Flat washer Ø12X25X2
216	B-055-120001-0	Snap ring Ø12(shaft)
217	B-014-120801-0	Hex socket head bolt M12×40
218	B-046-122050-1	Teeth locking washer Ø12*1
219	B-040-123030-1	Flat washer Ø12X30X3
200-220	CX-200-300000-0	Connection rod nut
228-221	CX-228-110100-0	Jaw slide guide without pin
2098-222	C-298-100400-0	Threaded connection rod
2098-223	C-298-100200-0	Clamping cylinder piston rod
221-149	C-221-350100-0	Clamping cylinder cover without handle
154	S-011-010808-0	Straight union 1/8"-Ø8
226	S-005-020075-0	V- seal 20*28*7.5
145	S-000-068353-0	O- seal 68.26*3.53
221-151	C-221-550000-0	Tilting cylinder piston
229	B-040-122520-1	Flat washer Ø12X25X2
230	B-004-120071-1	Nut M12X7X1.5
2098-231	C-298-100500-0	Clamping cylinder barrel 406
232	S-000-019262-0	O- seal Ø19.6X2.62
233	C-221-350300-0	Tilting cylinder cover with handle
234	S-018-010808-0	Quick union 1/8-φ8
235	B-001-080001-0	Self-locking nut M8
2098-236	CW-105-209800-5	Complete clamping cylinder
237	CW-104-209800-0	Complete spe-shape turntable 720
252	CX-298-130200-0	Turntable spacer
253	B-070-050016-0	Elastic cylindrical pin M5X16
254	B-012-120301-0	Hex socket head bolt M12X30



231-13	C-231-360000-0	Bead breaker arm spring	231-322	CX-231-030000-0	Bead breaker arm 231
200-301	B-010-140301-0	Hex socket head boltM14×30	200-323	CX-200-040000-0	Bead breaker pin
302	B-001-060001-0	Self-locking nut M6	200-324	CX-200-050600-0	Bead breaker cylinder rotating pin
303	S-018-010408-0	Union (90°) 1/4-Ø8	325	B-040-122520-1	Flat washer Ø12*24*2
304	B-001-160001-1	Nut M16*1.5	326	B-001-120001-0	Self-locking M12
305	B-040-162820-1	Flat washer Ø16*28*2	327	B-040-083030-1	Flat washer Ø8*30*3
306	S-000-016265-0	O-seal Ø 16*2.65	328	B-050-080000-0	Spring washer Ø8
307	S-000-020265-0	O-seal Ø 20*2.65	329	B-014-080201-0	Outer hex bolt M8×20
200-308	S-000-180500-0	O-seal 180x5	330	S-011-010808-0	Straight union1/8-Ø8
200-309	CX-200-050500-0	Bead breaker cylinder cover assembly	331	B-001-160001-0	Self-locking nut M16*1.75
200-310	C-200-050100-0	Bead breaker cylinder piston rod	231-332	CX-231-030900-0	Bead breaker rotating shaft washer
311	S-005-168115-0	V-seal 185X168X10.8	231-333	CX-231-030800-0	Bead breaker rotating shaft
200-312	C-200-050200-0	Bead breaker cylinder piston	200-334	CW-108-020000-0	Complete bead breaker cylinder
200-313	CX-200-050300-0	Bead breaker cylinder barrel	335		Flat washer
314	B-010-060161-0	Hex socket head bolt M6×16	350	CW-112-209800-0	Bead breaker cylinder exhaust valve
200-315	CX-200-070000-0	Bead breaker shovel assembly	351	S-012-010808-0	Union (90°)1/8-Ø8
316	B-010-120901-0	Hex socket head bolt M12×90	352	C-098-600200-0	Bead breaker cylinder exhaust valve cover
317	B-001-160001-1	Self-locking nut M16*1.5	353	C-098-600400-0	Seal washer
318	U-006-000001-2	Guide belt	354	C-098-600300-0	Bidirectional seal
319	B-050-140000-0	Spring washer Ø14	355	C-098-600100-0	Bead breaker cylinder exhaust valve barrel
320	B-055-160001-0	Snap ring Ø16	356	S-023-010401-6	Muffler
321		Flat washer	357	S-010-010408-0	Straight union 1/4- Ø8
200-321	S-000-175500-0	O-seal Ø173.4x5.3	200-370	C-200-070600-0	Bead breaker shovel protection cover(optional)

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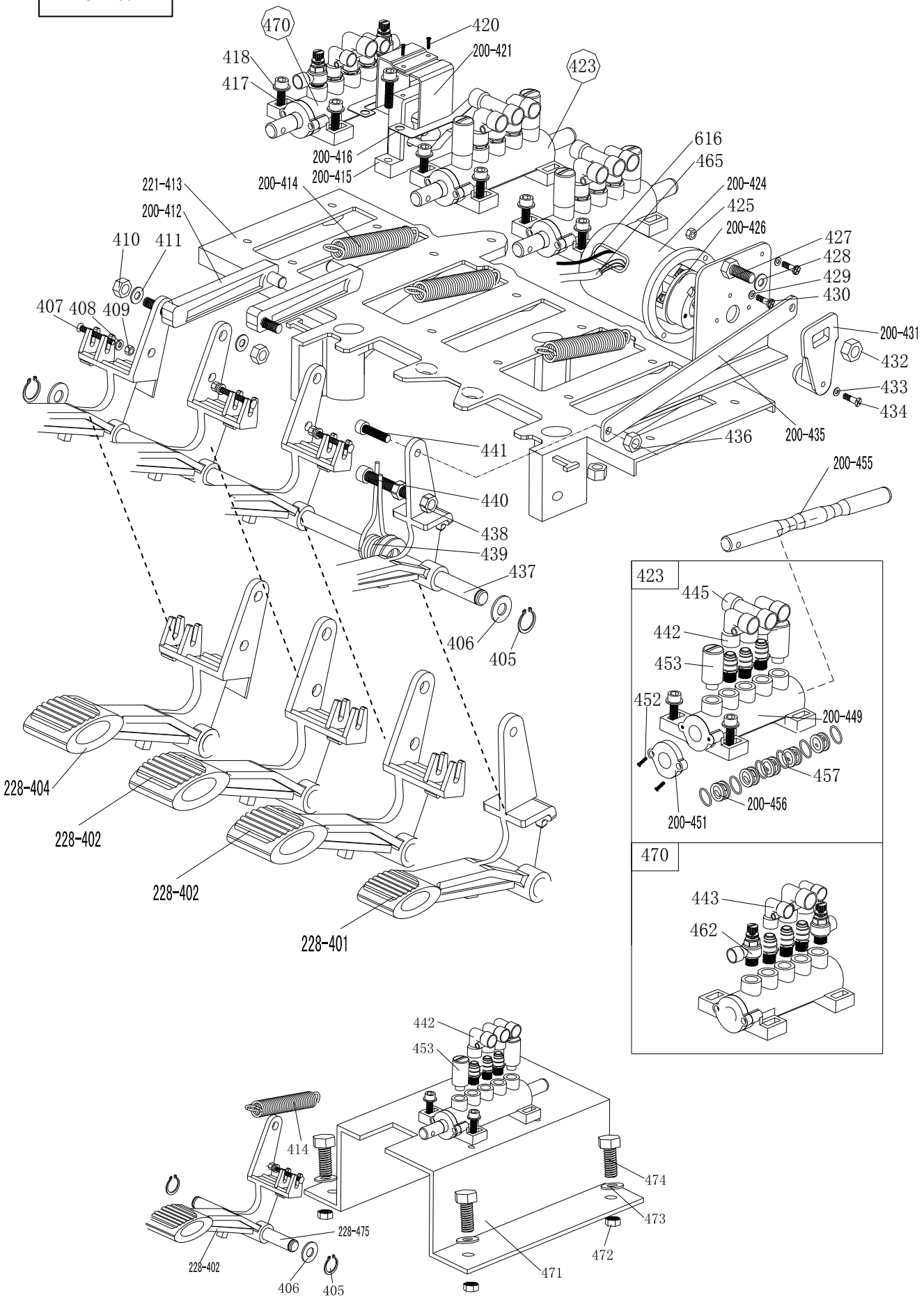
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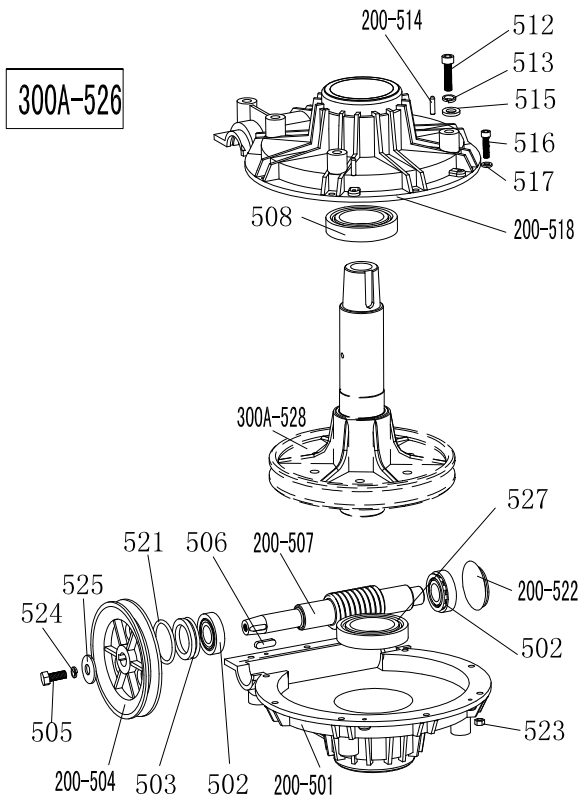
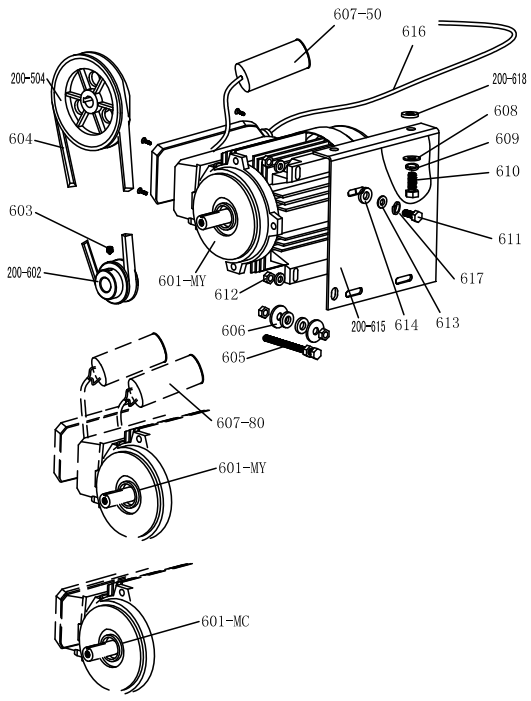
228-401	C-228-060400-0	Reverse switch pedal	429	B-040-040000-1	Flat washer Ø 4
228-402	C-228-060300-0	5-way valve pedal(right)	430	B-024-040161-0	Cross head screw M4*16
228-404	C-228-060200-0	5-way valve pedal(left)	200-431	C-200-530000-0	Reverse switch handle
405	B-055-120001-0	Snap ring Ø12	432	B-001-060001-0	Self-locking nut M6
406	B-040-122520-1	Flat washer Ø12*24*2	433	B-040-030000-1	Flat washer Ø3
407	B-024-040301-0	Cross head screw M4X30	434	B-017-030161-0	Cross head screw M3X18
408	B-040-040000-1	Flat washer Ø 4	200-435	CX-200-060600-0	Pedal connection rod
409	B-001-040001-0	Self-locking nut M4	436	B-001-080001-0	Self-locking nut M8
410	B-001-080001-0	Self-locking nut M8	437	CX-200-060700-0	Pedal front shaft
411	B-040-081715-1	Flat washer Ø8*17*1.5	438	B-004-080001-0	Nut M8
200-412	C-200-061300-0	Cam connection rod	439	C-200-370000-0	Pedal twist spring
221-413	C-221-060100-0	Pedal support board	440	B-010-080501-0	Hex socket head bolt M8×50
200-414	C-200-380000-0	Pedal Spring	441	B-010-080201-0	Hex socket head bolt M8×20
200-415	C-200-061500-0	Cam	442	S-012-010808-0	Quick union1/8- Ø 8
200-416	C-200-810000-0	Cam washer	443	S-012-010806-0	Quick union1/8- Ø 6
417	B-010-060201-0	Hex socket head bolt M6×20	445	S-016-010808-2	Quick T-union1/8-2* Ø 8
418	B-040-061210-1	Flat washer Ø6	200-449	C-200-060901-0	5-way valve barrel (right)
420	B-019-290121-0	Cross head self tapping screw 2.9*12	200-451	C-200-061100-0	5-way valve cover
200-421	CX-200-060500-0	Cam cover	452	B-024-290-121-0	Cross head ST2.9*14
423	CW-110-020001-0	Complete 5-way valve for Bead breaker cylinder	453	S-023-010801-0	Muffler 1/8"
			200-455	CX-200-061200-0	5-way valve rod
200-424	C-200-061400-0	Reverse switch cover	200-456	C-200-061000-0	5-way valve rod spacer
425	B-004-040001-0	Nut M4	457	S-000-012400-0	O seal 12*20*4
200-426	S-060-016000-1	Reverse switch	462	S-030-010806-0	Throttle valve
427	B-010-060201-0	Hex socket head bolt M6×20	470	CW-110-021102-0	Complete tilting 5-way valve
428	B-040-061210-1	Flat washer Ø 6X12X1	465	CZ-000-103150-0	Power supply cable
231-480	CW-109-023100-0	Complete 4-pedals assembly 231	616	CZ-000-205150-0	Motor cable

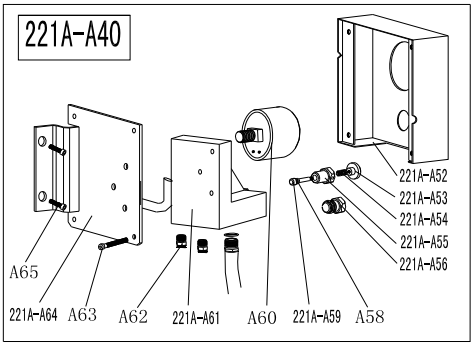
471	CX-228-061600-0	Pedal support 228
472	B-001-080001-0	Nut M8
473	B-040-081820-1	Flat washer Ø8
474		Bolt M8
475	CX-228-061700-0	Support shaft of pedal 228

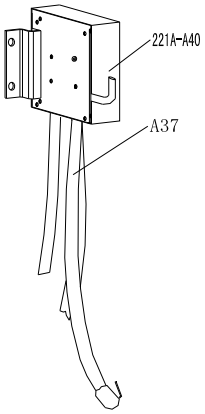


200-501	C-300-320302-0	Gear box lower cover
502	S-040-030204-0	Bearing 30204
503	S-005-020080-1	Gear box seal φ20*35*8
200-504	C-200-320500-0	Gear Belt pulley
505	B-014-080251-0	Outer hex bolt M8×25
506	B-065-006020-0	Key washer 6×20
200-507	C-200-320400-0	Worm rod
508	S-040-006010-0	Bearing 6010
512	B-014-100551-0	Outer hex bolt M10×55
513	B-050-100000-0	Spring washer Ø10
200-514	B-060-006020-0	Pin 6X20
515	B-040-102020-1	Flat washer Ø10*20*2
516	B-010-060201-0	Hex socket head bolt M6×20
517	B-040-061412-1	Flat washer Ø 6*14*1.2
200-518	C-300-320301-0	Gear box upper cover
521	S-000-027310-0	O-seal Ø 27.8*3.1
200-522	C-200-320700-0	Oil resistant seal
523	B-001-060001-0	Self-locking nut M6
524	B-050-080000-0	Spring washer Ø 8
525	B-040-083030-1	Flat washer Ø 8*30*3
300A-526	CW-107-030001-A	Complete gear box
527	S-040-006028-0	Bearing 6208
300A-528	C-300-320100-0	Worm gear

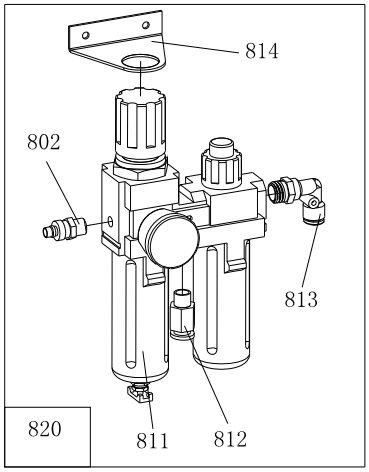


200-504	C-200-320500-0	Gear Belt pulley
601-MC	S-050-220110-5	Motor 220V/50HZ
601-MY	S-050-230075-0	Motor 220v
200-602	CX-200-330000-0	Motor Belt pulley
603	B-007-080121-0	Hex socket head bolt M8×12
604	S-042-000686-0	Tyre changer belt A-28
605	B-014-080651-0	Outer hex bolt M8X65
606	B-040-083030-1	Flat washer Ø8X30X3
607-80	S-063-008000-0	Capacitor 80μf,110V
607-50	S-063-005000-0	Capacitor 50μf,220V
608	B-040-102020-1	Flat washer Ø10X20X2
609	B-050-100000-0	Spring washer Ø10
610	B-014-100251-0	Outer hex bolt M10X25
611	B-014-080351-0	Outer hex bolt M8X35
612	B-004-080001-0	Nut M8
613	B-040-082220-1	Flat washer φ8X22X2
614	C-200-560000-0	Motor rubber washer
200-615	CX-200-340000-2	Motor support
616	CZ-000-205150-0	Motor cable 5×1.0
617	B-050-080000-0	Spring washer φ8
200-618	C-200-560000-0	Motor rubber buffer

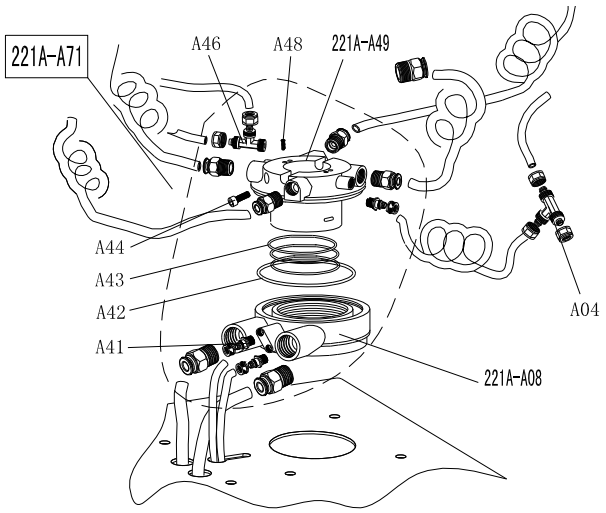




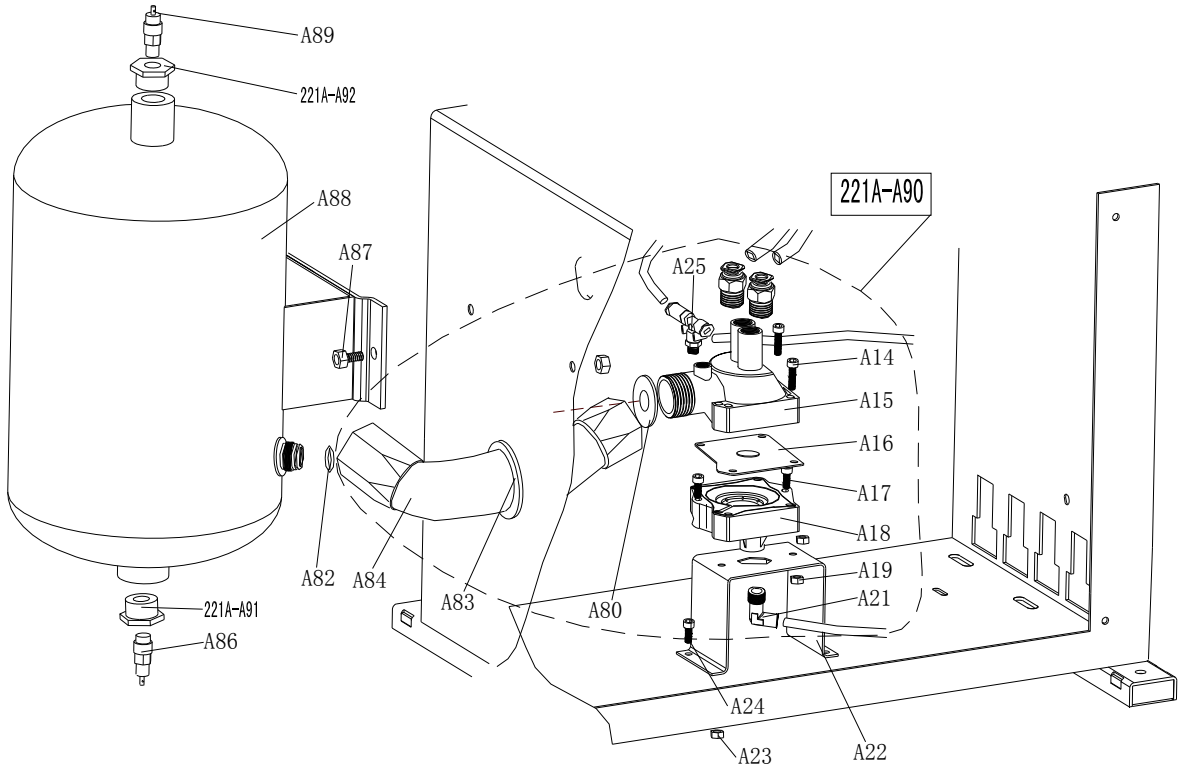
221A-A52	C-221-700000-A	Pressure gauge box Φ60
221A-A53	C-221-690300-A	Button
221A-A54	C-221-690400-A	Button spring
221A-A55	C-221-690100-A	Button valve
221A-A56	B-007-180081-R	Hex socket head bolt 1/8*8
A58	S-000-004200-0	O-seal 4*2
221A-A59	C-221-690200-A	Button rod
A60	S-038-000020-0	Pressure gauge 10kg
221A-A61	C-221-680000-A	Seat with holes
A62	S-010-010808-0	Quick straight union 1/8-Ø8
A63	B-017-040301-0	cross head screw M4*30
221A-A64	CX-221-710000-A	Pressure gauge box support
A65	B-010-060161-0	Hex socket head bolt M6*16
A37	CX-001-000001-0	Rubber hose 1.5 with clip
A38		Air tube 12X8
A39		Air tube 12X8
221A-A40	CW-118-022100-0	Complete pressure gauge box



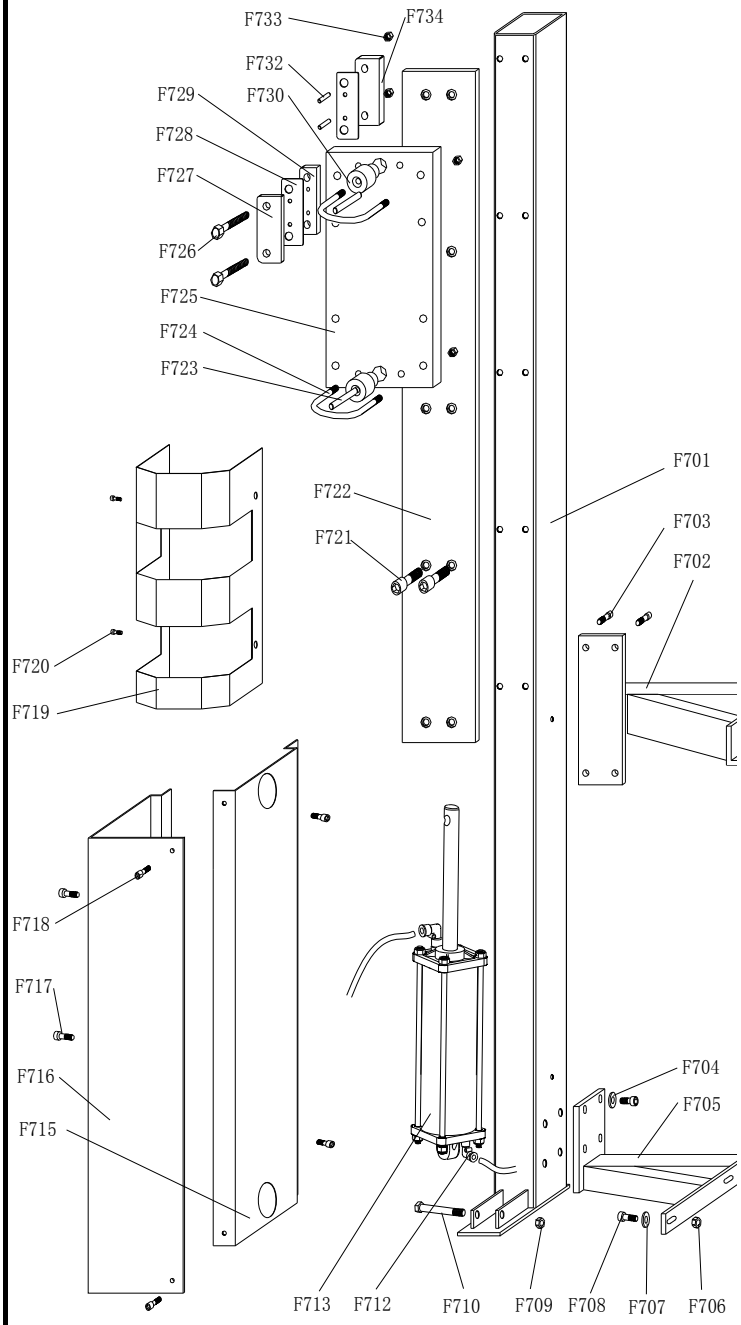
802	S-025-000050-0	Quick nozzle PM20
811	S-033-350000-0	Oil fog maker 3500
812	S-010-010806-0	Quick straight union 1/8-Ø8
813	S-018-010408-0	Bend union 1/4- Ø8
814	C-200-011200-0	Oil fog maker support
820	CW-114-035000-0	Complete oil fog maker 3500



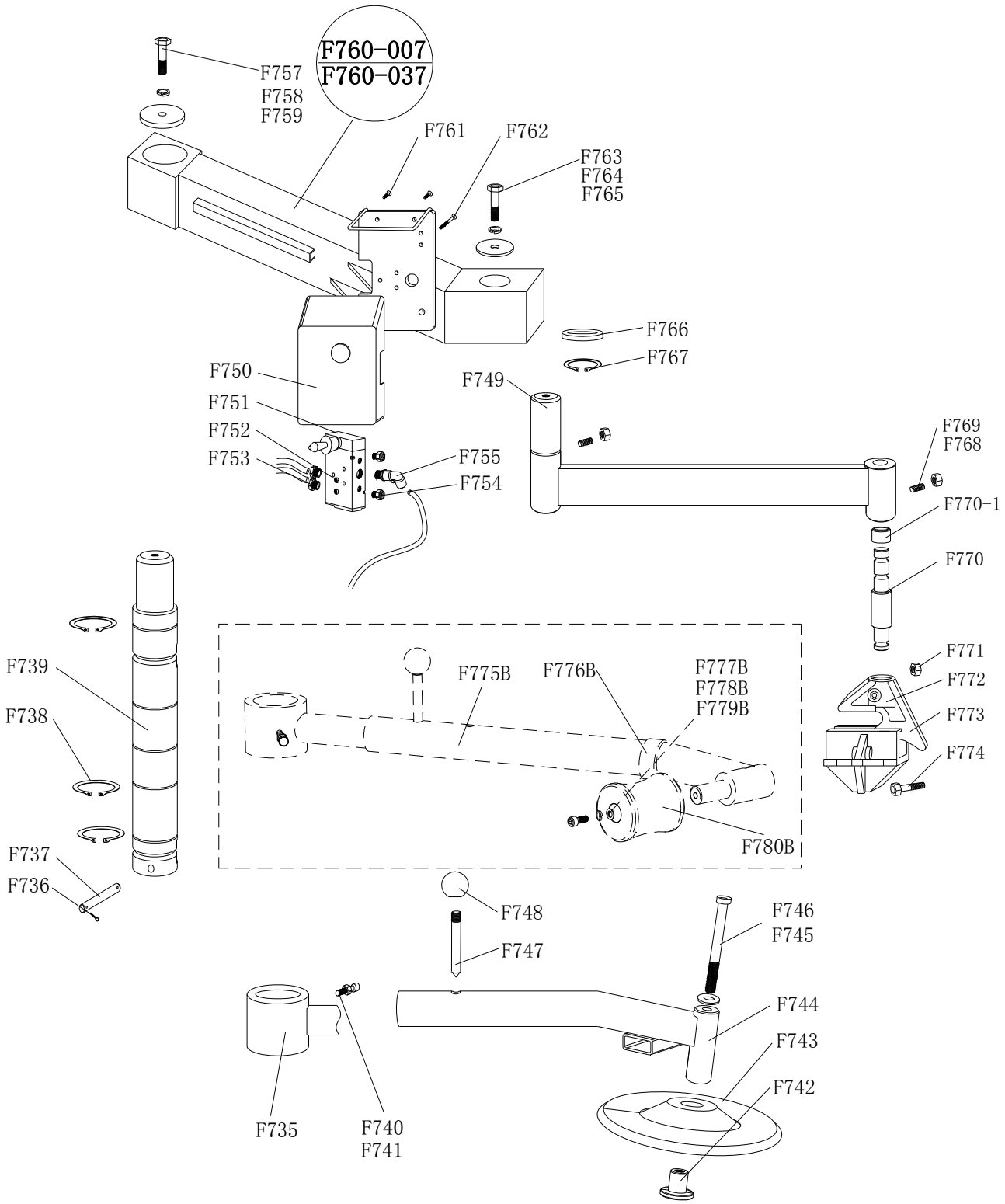
221A-A08	CX-221-430100-A	Rotating valve casing (A)
A04	S-015-000008-3	T-union 3* Ø 8
A41	S-011-010808-0	Straight union 1/8-Ø8
A42	S-000-089200-0	O-seal Ø89*2
A43	S-000-062280-2	O-seal Ø62*2.8
A44	B-010-060201-0	Hex socket head bolt M6X20
A46	S-015-010808-2	T-union 1/8-2*Ø8
A48	B-007-040061-0	Hex socket head bolt M4*6
221A-A49	CX-221-430200-A	Rotating valve mandrel (A)
221A-A71	CW-106-022102-A	Complete Rotating valve (A)



A14	B-010-060301-0	Hex socket head bolt M6*30
A15	C-221-600500-A	Exhaust valve barrel
A16	C-221-600700-A	Exhaust valve rubber washer
A17	B-010-060301-0	Hex socket head bolt M6*30
A18	C-221-600600-A	Exhaust valve cover
A19	B-001-060001-0	Self-locking nut M6
A21	S-012-010408-0	Quick union 1/4-Ø8
A22	CX-221-600800-A	Exhaust valve support
A23	B-001-060001-0	Self-locking nut M6
A24	B-010-060161-0	Hex socket head bolt M6*16
A25	S-030-010450-0	One way valve (EPCVB 8-01)1/8-2*ø8
A80	C-221-601000-A	Rubber washer Ø18*34*2
A82	S-000-01625-0	O-seal Ø16*2.65
A83	C-221-720000-A	Hose protector
A84	C-221-601100-A	Metal hose
A86	S-030-010400-0	Water discharge valve
A87	B-014-100251-0	Outer hex bolt M10*25
A88	CX-221-610000-A	Air-tank assembly
A89	S-030-030800-0	Safety valve
221A-A90	CW-112-022101-0	Complete exhaust valve
221A-A91	CX-221-61050-A	Air-tank down union
221A-A92	CX-221-610600-A	Air-tank up union



F701	CX-007-010000-0	Column 007 help arm
F702	CX-007-120000-0	Upper support (007 help arm Column)
F703	B-010-080201-0	Hex socket head bolt M8*20
F704	B-040-081715-1	Flat washer φ8*17
F705	CX-007-130000-0	Low support (007 help arm Column)
F706	B-001-100001-0	Self-locking nut M10
F707	B-040-102020-1	Flat washer φ10*20
F708	B-014-100251-0	Outer hex bolt M10*25
F709	B-001-100001-0	Self-locking nut M10
F710	B-014-100601-0	Outer hex bolt M10*60
F712	S-012-010806-0	Quick union 1/8-Ø6
F713	C-007-330000-0	Rise-fall cylinder
F714		Rise-fall cylinder exit pipe 6X4
F715	CC-007-300200-0	007 help arm protection 1-2
F716	CC-007-300100-0	007 help arm protection 1-1
F717	B-010-060101-0	Hex socket head bolt M6*10
F718	B-010-050101-0	Hex socket head bolt M5*10
F719	CZ-007-280000-0	007 protection 3
F720	B-010-060101-0	Hex socket head bolt M6*10
F721	B-010-080201-0	Hex socket head bolt M8*20
F722	CZ-007-020000-0	Guide track
F723	CZ-007-100000-0	Positioning pin
F724	C-007-110000-0	Locking rod
F725	CX-007-030000-0	Slipping board
F726	B-014-100601-0	Outer hex bolt M10*60
F727	CX-007-040000-0	Friction plate inside
F728		Guide plate
F729	CX-007-070000-0	Friction plate' isolation block
F730	CX-007-090000-0	Positioning sheath
F731		Nut M8
F732	CZ-007-080000-0	Guide plate positioning pin
F733	B-001-100001-0	Self-locking nut M10
F734	CX-007-050000-0	Friction plate outside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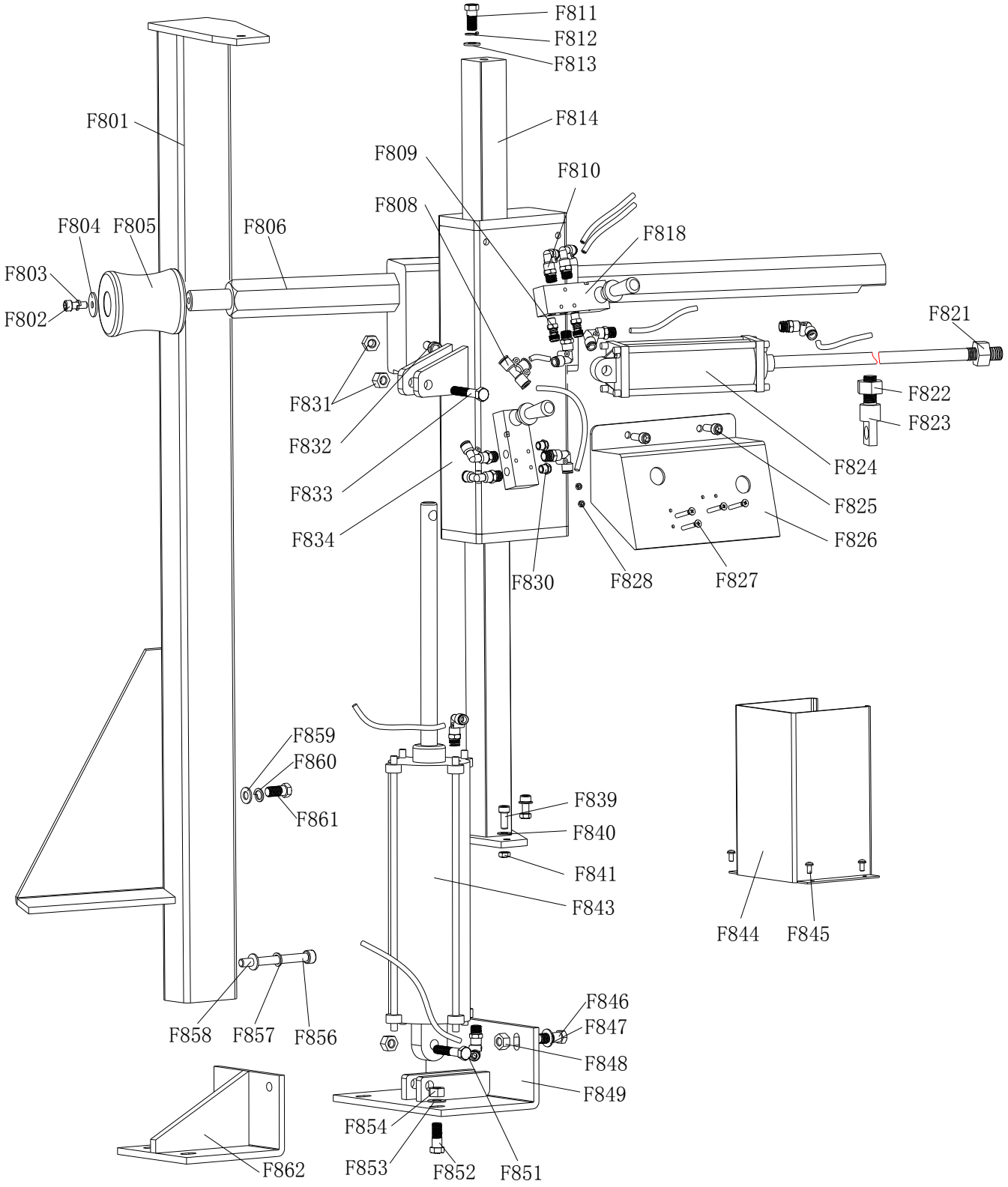
F735	CX-007-210000-0	Rotating arm support	F760-037		Control arm 037
F736	B-070-032018-0	Split pin 3.2X18	F760-007	CX-007-180000-0	007 control arm
F737	CX-007-140000-0	Connection pin	F761	B-019-420161-0	Cross head screw 4.2*16
F738	B-055-600001-0	Snap ring Ø60	F762	B-017-040301-0	Cross head screw 4*30
F739	CX-007-200000-0	Rise-fall main shaft	F763	B-014-100251-0	Outer hex bolt M10*25
F740	B-014-080251-0	Outer hex bolt M8*25	F764	B-050-100000-0	Spring washer φ10
F741		Nut M8	F765	CX-007-260000-0	Rotating shaft washer
F742	CX-005-110000-0	Tire lifting roller center hud	F766	CX-007-270000-0	Snap ring washer
F743	C-005-100000-0	Tire lifting roller	F767	B-055-400001-0	Snap ring φ40
F744	CX-007-220000-0	Pipe assembly	F768	B-004-100001-1	Nut M10
F745	B-040-123030-1	Flat washer Ø12*30*3	F769	B-007-100201-0	Hex socket head bolt 10*20
F746	B-010-121201-0	Hex socket head bolt M12*120	F770	CX-006-210000-0	Tire pressing head rotating shaft
F747	CX-007-230100-0	Pin	F771	B-001-060001-0	Self-locking nut M6
F748	C-007-230200-0	Pin block	F772	C-008-090100-0	Tire pressing head(upper)
F749	CX-007-250000-0	Tire pressing rotating arm 007	F773	C-008-090200-0	Tire pressing head(low)
F750	C-007-181000-0	Control valve protection cover	F774	B-010-060301-0	Hex socket head bolt M6*30
F751	S-030-010818-0	Control valve	F775B	CZ-007-240000-0	Tire pressing pipe assembly
F752	B-004-040001-1	Nut M4	F776B	C-000-001021-0	Tire pressing arm washer
F753	S-010-010406-0	Quick union 1/4-φ6	F777B	B-010-080201-0	Hex socket head bolt M8*20
F754	S-023-010801-0	Muffler 1/8 (copper)	F778B	B-050-080000-0	Spring washer Ø8
F755	S-012-010406-0	Quick union 1/4-φ6	F779B	B-040-083030-1	Flat washer Ø8*30
F756		Main hose6*4			
F757	B-014-100251-0	Outer hex bolt M10*25	F780B	C-008-080000-0	Tire pressing roller
F758	B-050-100000-0	Spring washer φ10	F770-1	CC-231-030802-0	Rotating shaft spacer
F759	CX-007-180800-0	control arm plate washer			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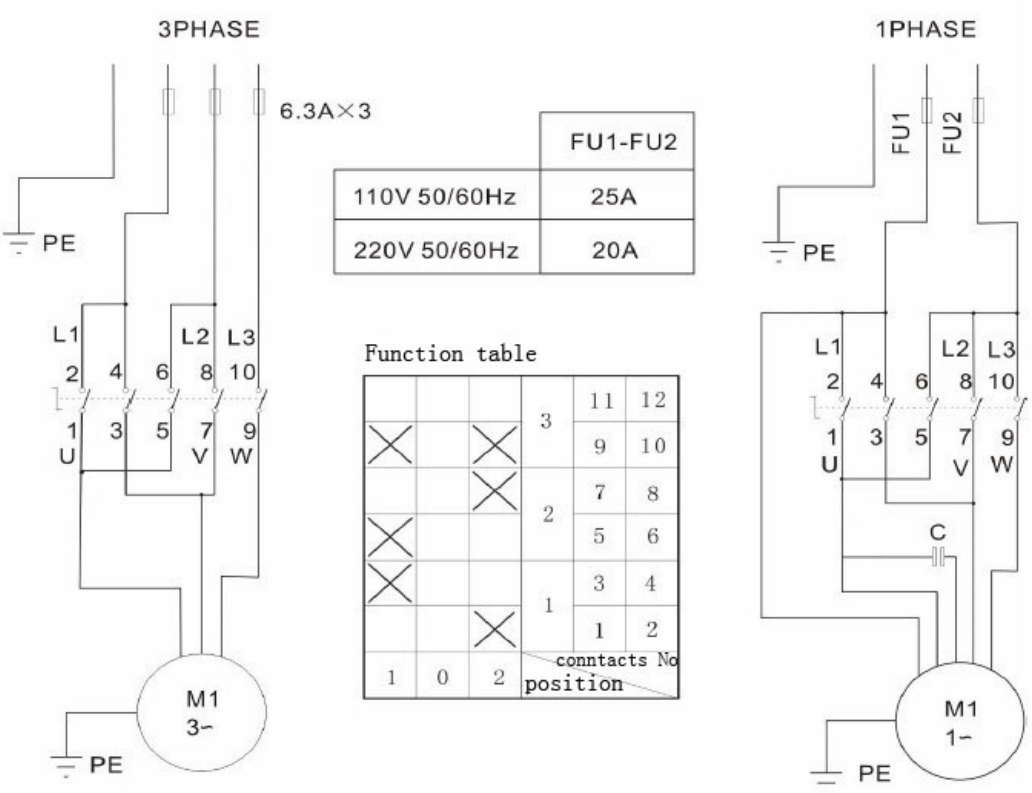
F801	CX-008-010000-0	Column 008	F831	B-001-100001-0	Self-locking nut M10
F802	B-010-080201-0	Hex socket head bolt M8*20	F832	B-010-101001-0	Hex socket head bolt M10*100
F803	B-050-080000-0	Spring washer Ø8	F833	B-014-100551-0	Outer hex bolt M10*55
F804	B-040-083030-1	Flat washer Ø8*30*3	F834	CX-008-030000-0	Rise-fall sleeve assembly 008
F805	C-008-080000-0	Tire pressing roller	F835	S-012-010406-0	Quick union 1/4- ϕ 6
F806	CX-008-070000-0	Tire pressing rod			
F808	S-015-010808-2	T-union 1/8-2*Ø8	F838	S-012-010406-0	Quick union 1/4- ϕ 6
F809	S-023-010401-0	Adjustable silencer	F839	B-010-080201-0	Hex socket head bolt M8*20
F810	S-012-010406-0	Quick union 1/4- ϕ 6	F840	B-040-083030-1	Flat washer Ø8*30*3
F811	B-014-100251-0	Hex socket head bolt M10*25	F841	B-001-080001-0	Self-locking nut M8
F812	B-050-100000-0	Spring washer Ø10	F844	CX-008-060000-0	Protection cover of sub machine body air cylinder
F813	B-040-102020-1	Flat washer Ø10*20*2	F845	B-024-050161-1	Big round bolt M5x16
F814	CX-008-020000-1	Square column assembly 008	F846	B-014-100251-0	Outer hex bolt M10*25
F815	S-012-010406-0	Quick union 1/4- ϕ 6	F847	B-040-102020-1	Flat washer Ø10*20*2
F818	S-030-010818-0	Push valve	F848	B-001-100001-0	Self-locking nut M10
F819	S-012-010406-0	Quick union 1/4- ϕ 6	F849	CX-008-040000-0	Air cylinder support assembly
F820	S-012-010406-0	Quick union 1/4- ϕ 6	F850	S-012-010406-0	Quick union 1/4- ϕ 6
F821	B-001-160001-0	Self-locking nut M16	F851	B-014-100551-0	Outer hex bolt M10*55
F822	B-001-160001-0	Self-locking nut M16	F852	B-014-100251-0	Outer hex bolt M10*25
F823	CX-008-100000-0	Tire pressing rod pin	F853	B-040-102020-1	Flat washer Ø10*20*2
F824	C-008-110000-0	Air cylinder	F854	B-001-100001-0	Self-locking nut M10
F825	B-010-080201-0	Hex socket head bolt M8*20	F856	B-010-101001-0	Hex socket head bolt M10*100
F826	CX-008-050000-0	Push valve support	F857	B-050-100000-0	Spring washer Ø10
F827	B-017-040301-0	Cross sunk head screw M4*30	F858	B-040-102020-1	Flat washer Ø10*20*2
F828	B-004-040001-1	White nut M4			
F829	S-012-010406-0	Quick union 1/4- ϕ 6	F860	B-050-100000-0	Spring washer Ø10
F830	S-023-010801-6	Silencer (copper)	F861	B-014-100251-0	Outer hex bolt M10*25
			F862	CX-008-030000-0	Connecting support 008

20. Circuit diagram:



21. Pneumatic drawing: