

We follow the way that wheel moving!

TYRE CHANGER

INSTRUCTION & MAINTENANCE MANUAL



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

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Tyre changer

Warning:

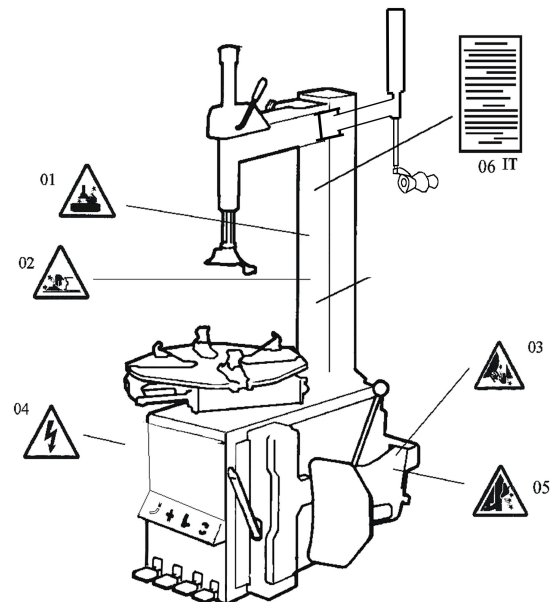
This instruction manual is important for the machine, please read carefully before installation and use; also it is important for safe use and machine maintenance. Please keep this manual properly for further maintenance of the machine.

1. Introduction:

Application Range: The semi-automatic tyre changer is especially designed for demounting mounting tyres from wheel rims

Caution: The machine is only for designed application. **DO NOT** use it for other purpose. , don't use it for other purposes.

Manufacturer shall not be liable for any damage or injury caused by improper use or application out of design.



Safety regulation: Machine operation is especially reserved to trained and qualified professions or experienced operator who has already read this manual carefully. Any changes of machine components and application out of design without manufacturer's permission or discordance 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 manufacturer's delivery date; warranty excludes the wearing parts)

2. Safety Warning Label:

- 01 Don't put hands under the mounting/demounting head during operation;
- 02 Don't put hands between the jaws during operation;
- 03 Don't put hands to the tyre bead when demounting the tyre;
- 04 Make sure and check the system is equipped with a good grounding circuit;
- 05 Don't put foot between the bead breaker shovel and the machine body during operation;
- 06 Warning instructions;
- 07 Pay attention to safety because it is an equipment with strong compressed air device;

3. Technical data :

Outside clamping	12~26 "
Inside clamping	14~28 "
Max.wheel.diameter	1143mm (45 ")
Max.wheel width	406mm (16 ")
Air supply	8-10Bar
Power supply	110V-1PH/220V-1PH/ 380V-3PH
Motor power	0.75/0.55/1.1kw
Max. Rotating Torque (Turntable)	1078Nm
Package size	113X90X103cm
Noise level	75Db

Remark:

Rim dimensions defined at above table are based on the iron wheel rims. Aluminum rims are thicker than the iron wheel rims, so here above rim dimensions are just for the reference.

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 to make sure all parts shown on the spare parts list are included. If any parts are missing or broken, please contact the manufacturer or dealer ASAP.

6.Workplace requirement:

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.

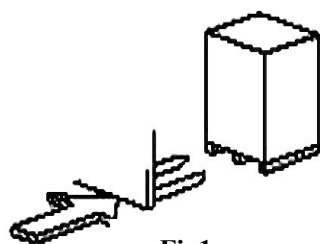


Fig1

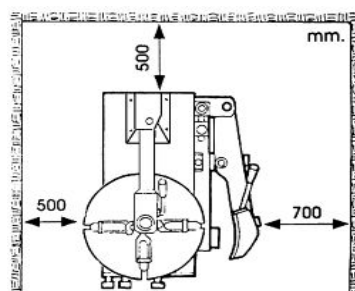


Fig 2

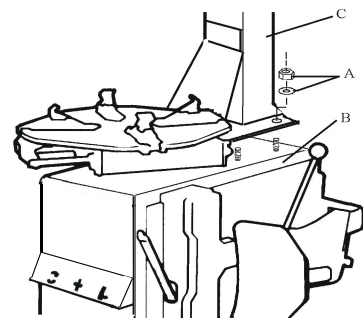


Fig 3

7. Position and installation :

1. Unscrew the nuts at the bottom, position the machine and calibrate it with the horizontal rule. Mount the machine with all the screws and ensure the machine is stable. Make sure the system is equipped with a good grounding circuit for preventing electric leakage. And have operation range of ground for skid prevention.

2. Unscrew the nut A on the machine body B as shown in Fig 3.

Lift the column C; mount it on the machine body B by using the nut A through the bolt located on the machine body B. If the column becomes loose after a period of using, tighten them immediately. Otherwise the damage to the tyre may happen.

8. Electric and Pneumatic connections

Caution: Before installation and connection, check to be sure that the electricity power supply.

Caution: All the installation of electric and pneumatic devices must be operated by a professional electrician.

Connect the compressed air connector which is on the machine right side to compressed air system. The electric grid which the machine connects to must have fuses protection device and good outer cover grounding protection. Install the leakage automatic air switch on the main power supply, leakage current is set at 30A

Caution: No power plug for this machine, user should self-connect one power plug not less than 16A as well as in line with the machine voltage. Or directly connect with the power supply according to the above requirements.

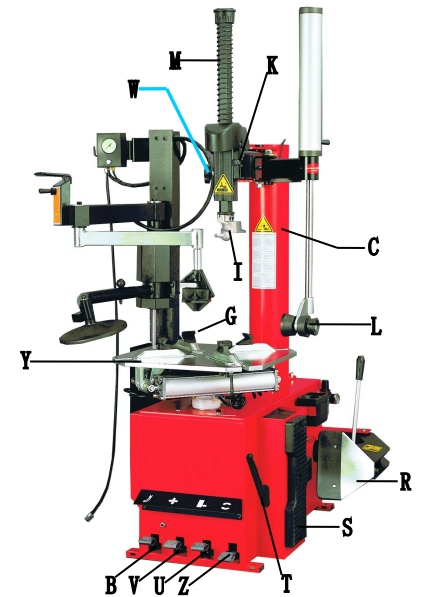
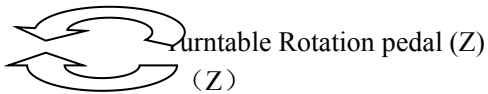
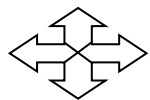


Fig4

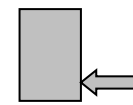
9. Adjusting operation :



Turntable Rotation pedal (Z)



Jaws clamping pedal (V)



Bead breaking pedal (U)



Rapid Tire Inflation

1) Tread Turntable Rotation Pedal (Z), turntable(Y) rotates in clockwise direction; Lift Turntable Rotation Pedal (Y), turntable (Y) rotates in anticlockwise direction

2) Tread bead breaker pedal (U), bead breaker shovel (R) presses inwards; Loose bead breaking pedal (U), bead breaking shovel (R) returns to original position

3) Completely tread Jaws clamping Pedal (V), four jaws on turntable(G) open. Tread again, jaws (G) close.

Fig 4

Tyre changer operation consists of three parts:

- 1) Demounting tyre bead
- 2) Demounting tyre
- 3) Mounting tyre

Caution: Before any operations, do wear uniform with tight sleeve and wear protective hat, gloves, and skid-proof shoes. Ensure to exhaust air in tyre completely, and remove all the wheel weights from the rim.

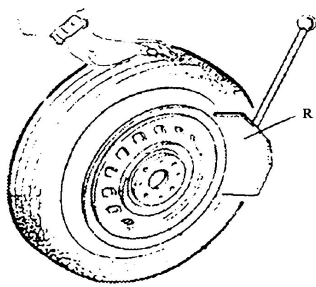


Fig 5

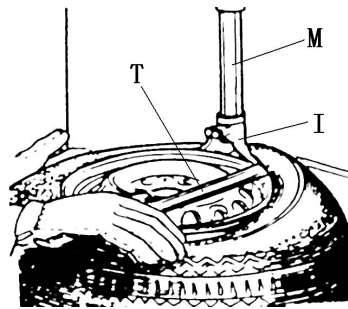


Fig 6

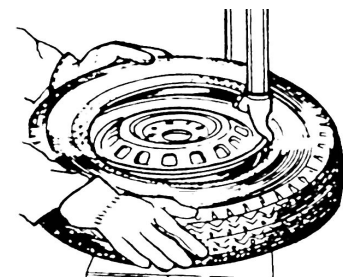


Fig 7

9.1. Demounting the tyre bead:

Ensure to exhaust air in the tyre completely, place the tyre against the rubber buffer (S). Bring the shovel (R) against the bead about 10mm from the edge of the rim shown as Fig 5. Tread Bead breaker Pedal (U) to press shovel into tyre. Repeat the above operations on different positions around the tyre and both sides of tyre until tyre bead is released completely.

9.2. Demounting the tyre

Ensure to remove all the weights on the wheel rim and to exhaust air in the tyre completely before this operation. Smear tyre lubricant (or similar lubricant) around the tyre bead. Without lubricant, tyre may be badly worn or damaged.

With rated dimension, clamp the wheel as per following methods:

a- Method of clamping wheel from outside:

Tread the Jaws clamping Pedal (V) to middle level, positioning for the four clamps (G) by reference scale on the Turntable (Y); put the wheel on jaws, hold the rim, and tread the Jaws clamping Pedal (V) until the wheel is clamped by the jaws firmly.

b- Method of clamping wheel from inside:

Positioning for the four jaws (G) and let them be closed. Put the wheel on the turntable and tread the Jaws clamping Pedal (V) to open the jaws until wheel is clamped firmly.

Caution: Check to make sure the wheel is firmly clamped by the four jaws before next step.

Lower the Vertical Arm (M) until the Mounting /demounting head (I) reaches the edge of the rim, depress pneumatic locking button (K) to lock the Vertical Arm (M) and Horizontal arm in position, and make sure the gap between Mounting /demounting head and the edge of rim is 2-3 mm. Insert the Lifting Lever (T) between the tyre bead and front of the mounting /demounting head (I), and lift the tyre bead upon front knob of mounting/demounting head (Fig 6)

Hold lifting Lever in position, tread the Turntable Rotation Pedal (Z), rotate the Turntable (Y) in clockwise direction until the tyre is completely separated from the wheel rim. Lifting the tyre upon, Let the other side of tyre separated from the wheel rim.

Caution: Approach of chains, bracelets, loose clothes and irrelevant things to rotating parts will bring danger to the operator

9.3 Mounting the tyre :

Caution: Check to make sure that the tyre and the wheel rim are of same size before mounting the tyre . To avoid any damage on tyre, smear lubricant recommended by manufacturer, on the tyre bead and the wheel rim so as to make operation smooth . Put the tyre on turntable and check its condition.

Caution: When clamp the wheel rim, don't put hands between the wheel rim and jaws to avoid injury.

If rim diameter and width are same as the tyre, it is not necessary to loosen and lock the Hexagonal Vertical Mounting Arm, put the tyre on the rim tiltingly, make the tilting column back to place for demounting the tyre. Put the bottom tyre bead upon rear of Mounting/demounting head and below front of Mounting/demounting head. Press tyre with hands or helper arm, and then rotate the turntable for mounting the tyre bottom bead. Repeat the above operation for mounting the tyre top bead. (Fig 7)

10.098 Help arm application:

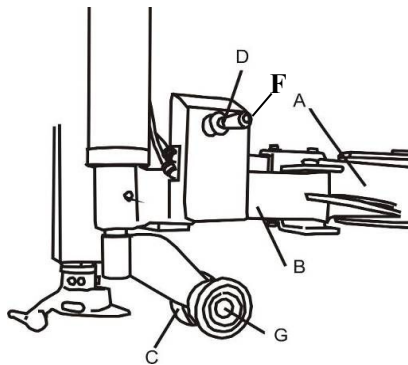


Fig8

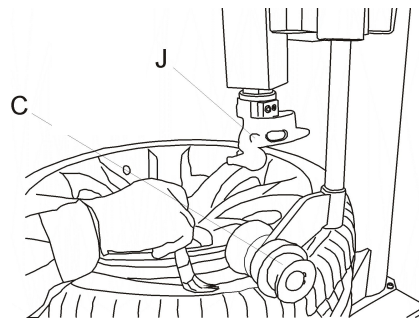


Fig9

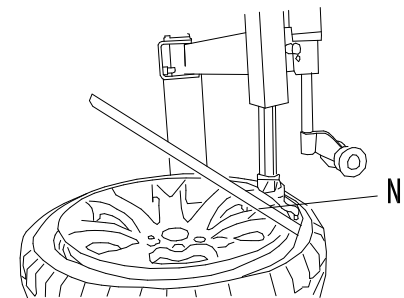


Fig10

The right help arm is an auxiliary device for tyre changer, it is used to help to demount and mount tyres.

10.1098 help arm Components

Each components of helping arm device are introduced as follows::

- | | |
|-----------------------------------|-----------------------------|
| A- Swing arm | B- Small helping arm |
| C- Roller C | D- Raise-fall roller handle |
| F- Locking switch for helping arm | G- Roller G |

The function of helping arm's control handle is as follows:

Roller lifting handle (D, Fig 8) is for lifting and lowering roller C、G so as to adjust tyre demounting / mounting vertical height. Operate handle (D, Fig 8) up, then roller C、G goes up; Operate handle (D, Fig 8)down, then roller C、G goes down.

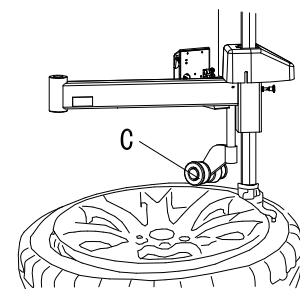


Fig 11

10.2 098 Operation

It is difficult to demount and mount big low profile tyre. If operation is proper, it is very easy to use helping arm device to demount and mount tyre from rim. The helping arm device may also be used when demounting and mounting normal tyre with resistance.

a. Clamp tyre

Firstly, press both side tyre loose as per operation instruction in user's manual. Force of demounting and mounting is big when helping arm device is used. And rim may be damaged easily. It is recommended that to clamp rim from outside (jaw protector may be installed on jaws) . Tread relevant pedal to make jaws open to clamp edge of rim, move helping arm's rotary arm to far-end. Put on tyre, tread relevant pedal to make jaws close and to approach rim

b.Demount the tyre

1. Press tyre with right pressing roller C,G to a position 3cm lower than rim edge, lubricate tyre bead, rotate turntable, lift roller C,G. (Fig 9)

2. Move demounting/mounting head close to edge of rim, keep a 2-3mm gap between demounting/mounting head and rim plane, operate locking handle (K, Fig 4) to lock vertical arm, adjust screw bolt in column to position swing arm, make sure 2-3mm gap between demounting/mounting head and rim edge side

3. Nearby demounting/mounting head, insert lift lever **N** into tyre, use lift lever to lift bead upon front knob of demounting / mounting head. Manually rotate roller **C** to inner side, pull handle **D** down, make roller **C** to press rim, keep 3-5mm gap between demounting/mounting head and rim, make sure demounting/mounting head not damage rim, rotate turntable, demount tyre upper bead (Fig 11)

4. Push handle **D** up, lift roller **C,G**, press switch **F**, loosen right pressing arm,

Lift tyre up, insert lifting level into bottom tyre bead nearby demounting/mounting head, lift bead upon front knob of demounting / mounting head and rotate turntable to demount down tyre bead

c.Mount the tyre

1.Lubricate tyre and rim edge with lubricant to avoid damage of tyre. Adjust height of demounting/mounting head and make tyre bottom bead upon rear of demounting/mounting head and below front of emounting/mounting head. Rotate turntable to mount bottom bead.

2. Make tyre top bead upon rear of demounting/mounting head and below front of emounting/mounting head, move right pressing arm and make sure it is locked, pull handle **D** down to make roller **C,G** to press top bead to position below demounting/mounting head. Lock pressing block **1** on rim edge, rotate turntable, finish tyre mounting .

11.007help arm

The help arm 007B is an auxiliary device for tyre changer, it is used to help to demount and mount tyres.

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.

11.1.Technical data

Air supply	8~10bar
Weight	110Kg
Package size	155 X 55 X 31cm
Noice level	LpA<75db



11.2 Safe 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 tyre changers, we are not sure it can work with others. Manufacturer won't be responsible for any unauthorized modification

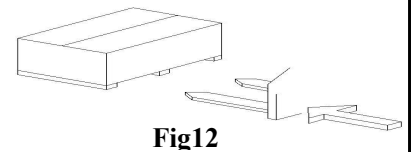


Fig12

11.3.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.

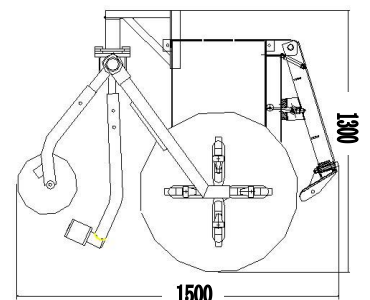


Fig 13

11.3.1. Transport

Move the device with a forklift truck as illustrated in Fig 12.

11.3.2. 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.

11.3.3. Workplace requirement

Fig 13 shows the minimum distance (cm) from walls after assembly this auxiliary device. Please choose the right place to install it. And note keep at least 500mm from all direction for operation.

11.3.4. Assembly

Please install the the 007B help arm on the machine body as following steps:

- 1) Disconnect the tyre changer from power supply and air source.
- 2) Remove the left cover of the body from the tyre changer;
- 3) Install the upper support and bottom support on the help arm; Install the help arm on the tyre changer with screw 1 and washer 2;(Fig 14)

1、 screw M10x 30

2、 washer $\phi 10$

- 4) Install the tyre pressing rotating arm 1, tyre pressing head(upper) 2, rise-fall switch handle 3, tyre lifting roller 4, tyre pressing head(bottom) 5, tyre pressing roller 6, tyre pressing arm 8 separately on the help arm.(Fig 11)
- 5) Connect the air hose $\phi 6\text{mm}$ to the corresponding T-join through the rear hole of the body.
- 6) fix the left cover of the body back.

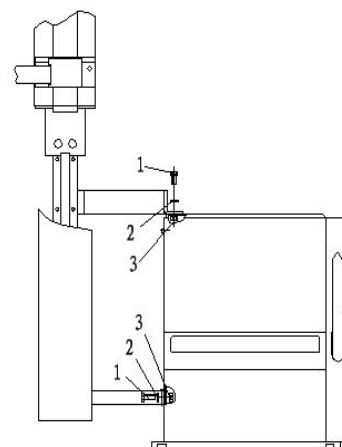


Fig14

11.4 Functional Parts

Fig 11 shows functional parts of the 007B device:

- 1-tyre pressing rotating arm
- 2-tyre pressing head (upper)
- 3-rise-fall switch handle
- 4-tyre lifting roller
- 5-tyre pressing head (bottom)
- 6-tyre pressing roller
- 8-tyre pressing arm

The specifications for switch handle of help arm 007B:

The rise-fall switch handle (3, Fig 15) is to adjust the tyre pressing rotating arm (1, Fig 15) when mounting and demounting tyres.

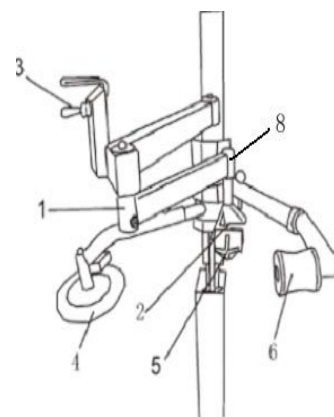


Fig15

11.5. Trial operation

The 007B device must connect with the air compressor, and the air pressure from 8 bar to 10 bar is desirable. Lift the rise-fall switch handle(3, Fig 15) up, the tyre pressing rotating arm (1, Fig 15) should rise. Down the rise-fall switch handle (3, Fig 15), the tyre pressing rotating arm (1, Fig 15) should lower.

Bring the tyre pressing rotating arm 1 to the center of the turntable, Through the rise-fall switch handle 3 to adjust the height, Using the tyre pressing head (low) 5 for central position.

) Operate the rise-fall switch handle (3) to adjust the tyre pressing roller (6), make it get touch with the tyre's bead and rotate to facilitate the mounting and demounting operations.

Safety warning label:

Warning: Unreadable and missing warning labels must be replaced immediately.

Do not use the tyre 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.



11.6 Operations

Mounting and demounting big flat tyre is difficult work. By the help of 007B help arm to mount/demount the tyre from the tyre bead will make the operation easier. It is a good helper for tyre changer.

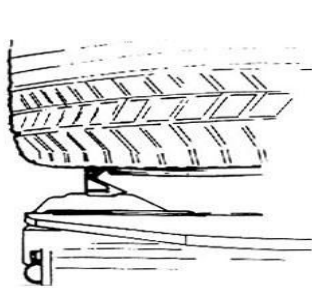


Fig16

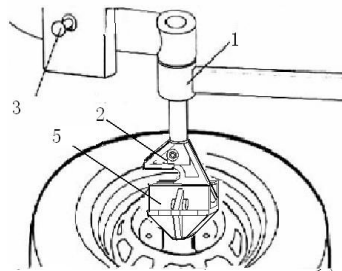


Fig17

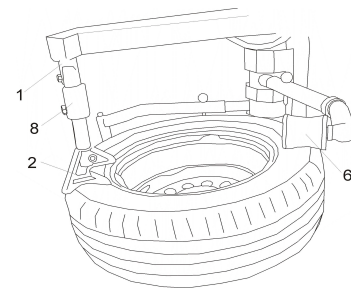


Fig18

11.6.1. Fixing The Tyre

- 1) Lubricate the bead according to the manual. suggest to clamp the tyre from outside (add the protector on the jaws)
- 2) Tread the corresponding pedal to open the jaws, and rotate the help arm to the non-working position;
- 3) Put the tyre on the turntable, depress the corresponding pedal to close the jaws until they near the rim and touch with the tyre.(Fig 16)
- 4) Insert the tyre pressing head (upper) 2 and tyre pressing head (bottom) 5 on the rotating arm 1;
- 5) Turn the rotating arm 1 to its working position. Fix the tyre with the tyre pressing head (upper) 2 and tyre pressing head (bottom) 5 preparing for central positioning; (Fig 13)
- 6) Lower the help arm slowly with the switch handle 3 until the tyre 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;
- 7) Tighten the jaws, and raise the help arm with the switch handle. Remove the tyre pressing head (upper) 2 and tyre pressing head (bottom) 5, turn the rotating arm 1 to its non-working position.

11.6.2. Demounting the tyre

Note: Smear lubricant on the tyre bead before operation!

1). Loosen the beads with the tyre pressing roller 6 again and again if necessary.

a- Adjust the tyre pressing roller (6) according to the tyre dimension; (note: Don't touch on the tyre rim)

b- Down the switch handle 3 to lower the help arm with a proper position,

c- Loosen the bead with the tyre pressing roller 6. If need, change other positions to loosen ;(6, Fig 15)

d- Raise the help arm after loosening, and push the rotating arm 1 to non-working position. Get preparation for demounting.

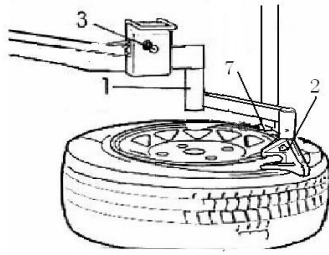


Fig 19

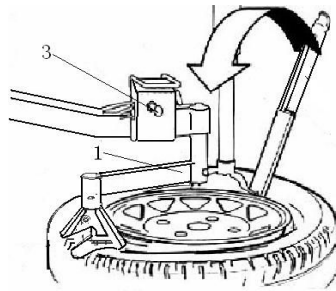


Fig 20

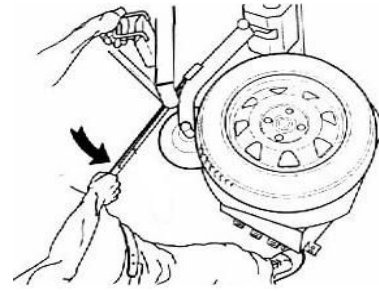


Fig 21

2. Demounting the upper bead

a-Close the demount/mount head (7, Fig 19) near from the tyre as the manual stated. Move the rotating arm (1, Fig 19) to its working position.

b- Move the tyre pressing head (upper) (2, Fig 19) near from the demount/mount head, down the rise-fall switch handle to press the bead with the tyre pressing head (upper) so as to place the demount/mount head. Insert the lifting lever according to the instruction of tyre changer

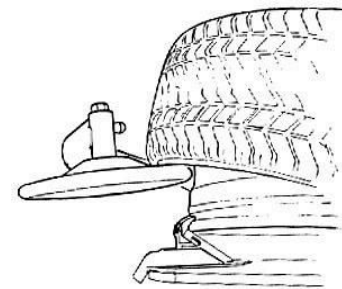


Fig 22

c-Raise the help arm, mount the tyre pressing head (upper) on the tyre pressing arm (8) and rotate it to the opposite side of the mounting head. Press the tyre with the switch handle to create enough space; hang the bead on the demount/mount head with the help of the lifting lever(Fig.20).

d-Raise the help arm and push it to non-working position;

f-Depress the corresponding pedal to turn the turntable in clockwise direction, and then the upper bead will be removed from the tyre.

3. Loosening the bottom bead

Bring the rotating arm to non-working position; Position the tyre lifting roller under the tyre, make sure it is near the edge of the rim but not touch it; Insert the lifting lever to the special hole and hold it to keep the tyre lifting roller pressed against the tyre; Depress the corresponding pedal to turn the turntable in clockwise direction, operate the switch handle to rise the help arm until the bottom bead remove from the rim completely; (Fig 21)

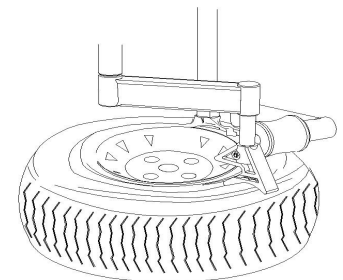


Fig 23

4. Demounting the bottom bead

Note: With some tyres, the bottom bead can be removed only by the tyre lifting roller. To do this, continue the bead loosening procedure until the bead detach from the rim completely.

The tyre lifting roller always facilitates the bead demounting especially for sports tyres with and wide tyres.

a- Position the tyre lifting roller and lift the bottom bead until it is in the drop center; (Fig 22)

b- Hang the bottom bead on the mounting head using the lifting lever;

c- Remove the tyre lifting roller and depress the corresponding pedal to turn the turntable in clockwise direction until the bottom bead detach from the rim completely.

11.6.3.Mounting the tyre

Mount the bottom bead on the rim as the instruction of tyre changer.

Warning! Move the rotating arm to non-working position before operation so as to avoid the danger caused by collision!

Rotate the roller support to move the tyre pressing roller near the mounting head (about 3-4 cm). Position the tyre pressing head (upper) about 90 degree with the mounting head. Lower the help arm to press the tyre below the mounting head 3-5 mm with the tyre pressing roller. Tread the corresponding pedal to turn the turntable in clockwise direction. Then the tyre pressing head (upper) rotate together with the turntable to mount the tyre.(Fig 23)

Note: Pay special attention to this procedure. Make sure the tyre pressing head (upper) and tyre pressing roller don't touch the rim. Or it will cause damage to the rim caused by friction.

12. Rapid tyre inflation system:

12.1 Rapid tyre inflation system device

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

Before operation, must check the devices perform well as follow:

a. Thread the rapid tyre inflation pedal to middle position (Fig 24, position 1), the inflating head should give air.

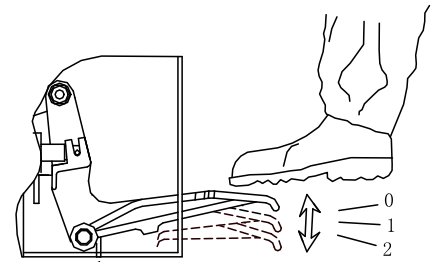


Fig24

b. Thread Rapid Tyre Inflation Pedal all the way down (Fig 24, position 2), a strong air blast should come from the holes in the four jaw s' locking sliders. **(Fig 24)**

12.2 Wheel rim locking and Tyre inflation

Tyre may burst caused by following:

- 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 fails to comply with the safety regulation;

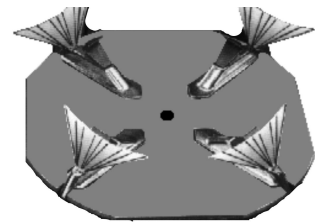


Fig 25

12.3 Inflation the tyre 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.

12.4 Inflation for the tubeless tyre.

Note: When inflating tubeless tyre 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 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). 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 tyre 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.

13.Moving machine :

Please use forklift to move the machine. Disconnect the tyre changer from the electricity power supply and pneumatic power supply, lift the base board and insert the feet of forklift. Then mount the tyre changer machine to a new position and fix it tightly.

Note: the place chosen for fixing the tyre changer must meet the safety regulation.

14.Maintenance :

Caution: only the professional persons can do the maintenance. To prolong the machine's life, maintain the machine timely according to the manual. Otherwise, it will impact the reliability of the machine or even cause injury to operator and others nearby.

Caution: before performing any maintenance, disconnect the tyre changer from the electric power supply and pneumatic power supply, and tread 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.

Clean the machine once every day after work. Clean the dirt on the turntable with diesel oil once per week and smear lubricate on 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 tread 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, tread twice every time, drop down a drip of oil, otherwise adjust the screw (D) that controlled oil

enter with minus screwdriver.

Note: After the first 20 days of use, retighten the jaws with tightening screws (B) on the Turntable (Fig 27)

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 28)

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:

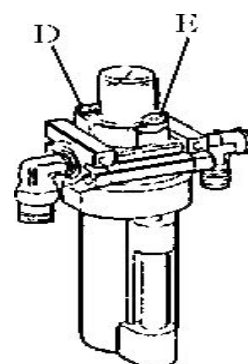


Fig26

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 29)

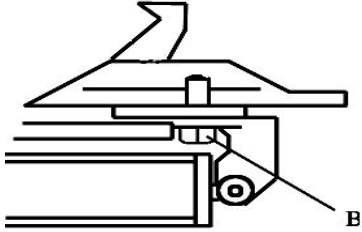


Fig 27

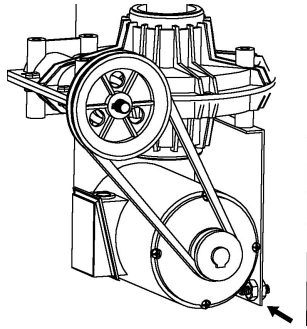


Fig 28

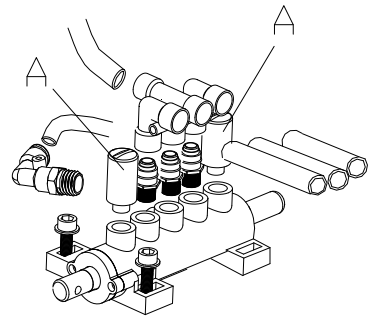
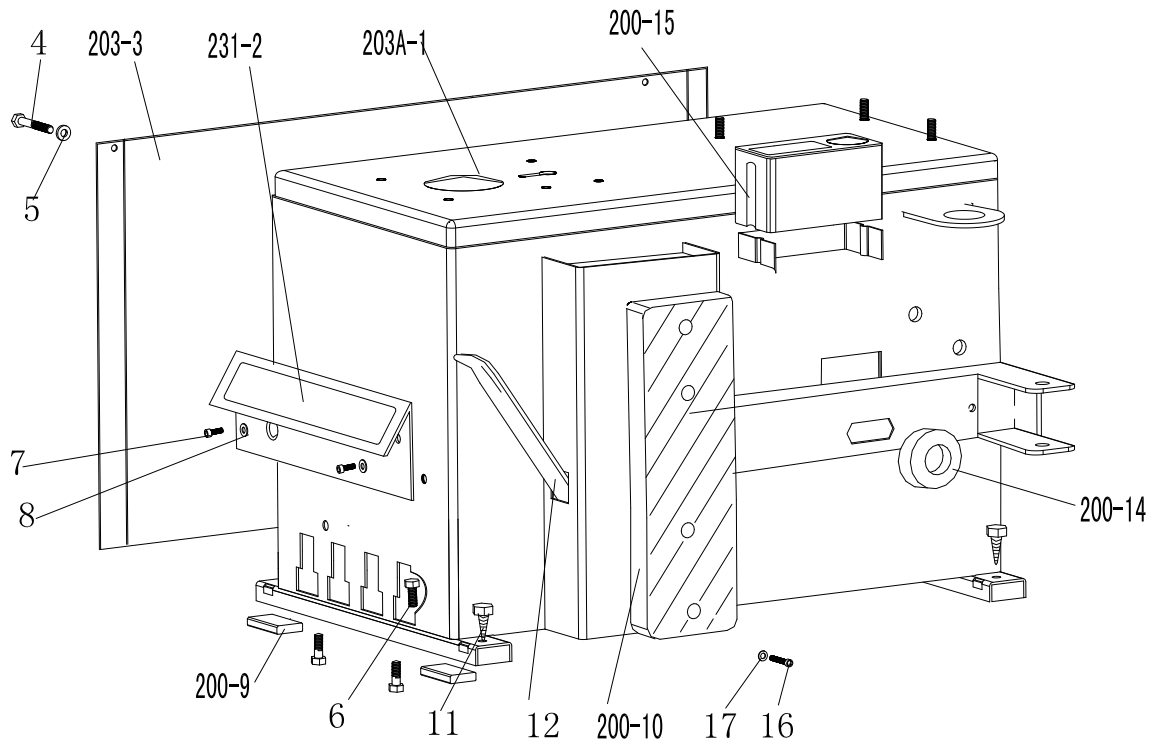


Fig 29

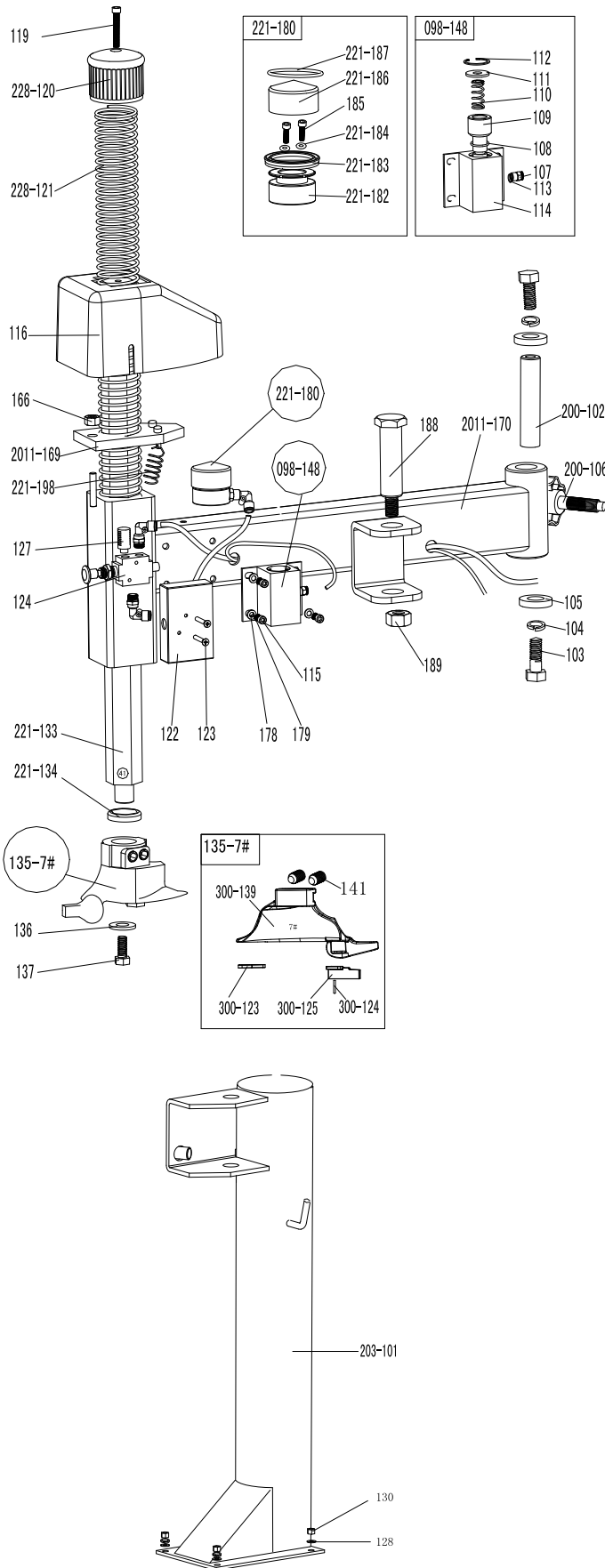
15. Trouble shooting table:

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 Bead Breaker shovel operates difficultly.	Jammed silencer	Clean it or replace it.
	The washer on the Bead Breaker cylinder is broken.	Replace it.

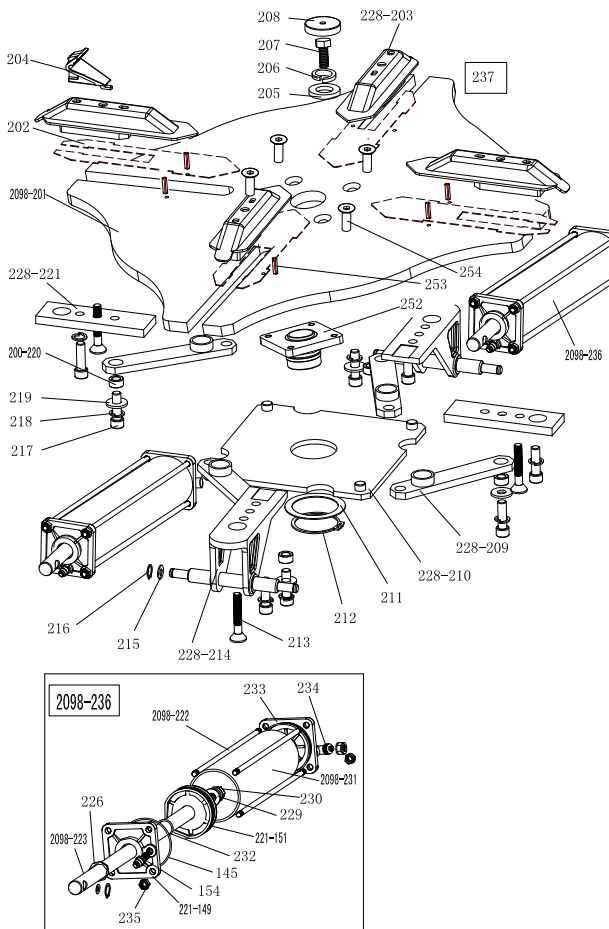
16.Exploding drawing



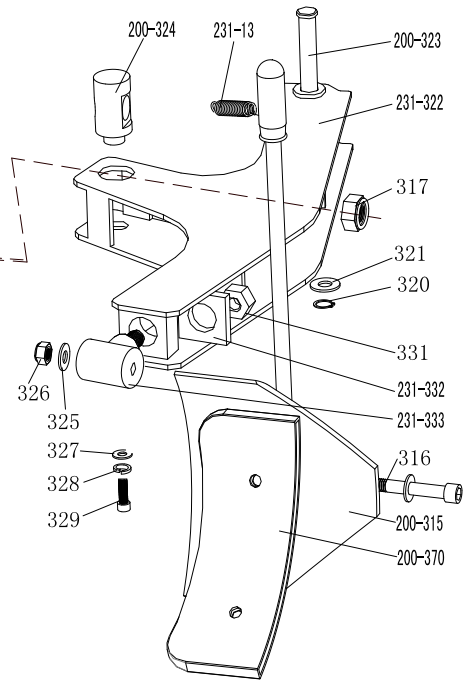
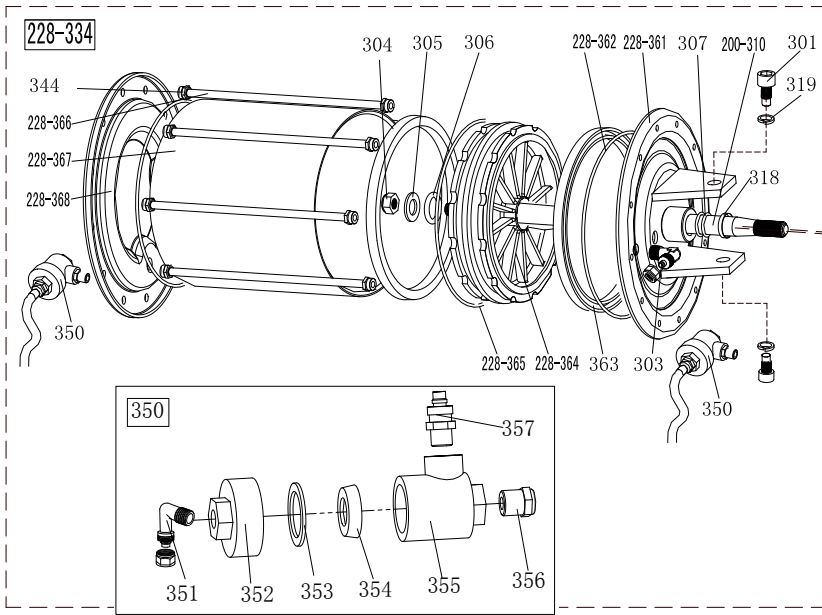
203A-1	CX-203-010000-A	Machine body
231-2	CZ-231-080000-0	Pedal front cover
203-3	CX-231-020000-0	Left cover
4	B-010-060101-0	Hex socket head bolt M6×10
5	B-040-061412-1	Flat washerØ6*14*1.2
6	B-014-080251-0	Outer hex bolt M8x25
7	B-010-080201-0	Hex socket head boltM8×20
8	B-040-061412-1	Flat washer Ø 6*14*1.2
200-9	C-000-001020-0	Rubber buffer
200-10	C-200-500000-0	Bead breaker buffer
11	B-027-060401-0	Grounding screwM6x40
12	C-200-580000-0	Lifting level
200-14	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 boltM8x20
17	B-040-081715-1	Flat washer Ø 8*17*1.5



203-101	CX-203-250000-0	Round column
200-102	CX-200-190000-0	Swing arm pin
103	B-014-140351-0	Outer hex bolt M14x35
104	B-050-140000-0	Spring washer Ø14
105	CX-200-140000-0	Big washer
200-106	C-200-350000-0	Column adjust handle
107	S-010-050004-0	Quick stright union M5- Ø 4
108	S-000-030355-0	O-seal 30X3.55
109	CX-007-180600-0	Swing arm spring plate
110	C-007-180700-0	Swing arm spring
111	CX-007-180800-0	Swing arm plate washer
112	B-055-300002-0	Snap ring Ø30(hole)
113	S-000-005200-0	O-seal Ø 5.6X2
114	CX-098-080000-0	Pneumatic lock barrel
115	B-010-060201-0	Hex socket head bolt M6X20
116	C-298-480000-0	Locking plate cap
119	B-010-100301-0	Hex socket head bolt M10x30
228-120	C-228-490000-0	Vertical arm cap
228-121	C-228-390000-0	Vertical arm spring
122	C-098-090000-0	Locking switch box
123	B-017-040301-0	cross head screw M4*30
124	S-030-010414-2	Hand valve
127	S-023-010801-0	Muffler 1/8"
221-133	CX-221-160000-0	Vertical arm
221-134	C-228-520000-0	Vertical arm washer
136	CX-200-170000-0	Mount/demount head flat washer
137	B-014-100251-0	Outer hex bolt M10x25
098-148	CX-098-080000-0	098 Pneumatic lock
166	B-001-100001-0	Self-locking nut M10
2011-169	CX-298-22000-0	Hex locking board 2011
2011-170	CX-211-180000-0	Swing arm 2011
178	B-040-061210-1	Flat washer Ø6
179	B-050-060000-0	Spring washer Ø6
221-180		Complete locking cylinder
221-182	C-221-090100-0	Locking cylinder piston
221-183	S-005-050065-0	V-seal 60*50*6.5
221-184	S-000-005200-0	O- seal Ø 5.6*2
185	B-010-060551-0	Hex socket head bolt M6x55
221-186	CX-221-090200-0	locking cylinder cover Ø 60
221-187	S-000-052200-0	O-Seal Ø52*2
188	CX-098-030000-0	Pressing arm pin (right)
189	B-001-160001-1	Self-locking nut M16*1.5
221-198	C-221-400000-0	Hex locking board spring
135-7#		Complete mount/demount head 7#
300-139	C-300-150000-0	Mount/demount head 7#
141	B-007-120161-0	Hex socket head bolt M12X16
300-123	C-300-150300-0	Mount/demount head flat protector
300-124	C-200-150400-0	Hex pin
300-125	C-300-150500-0	Mount/demount head protector

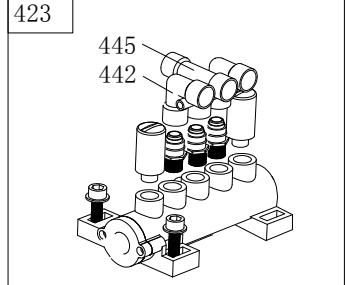
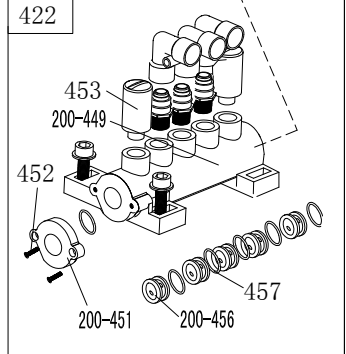
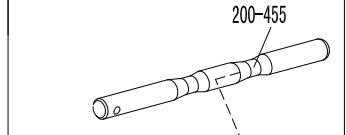
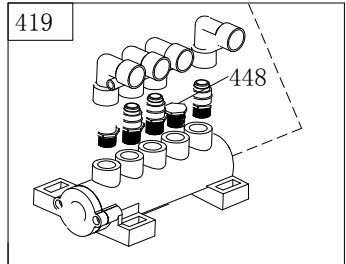
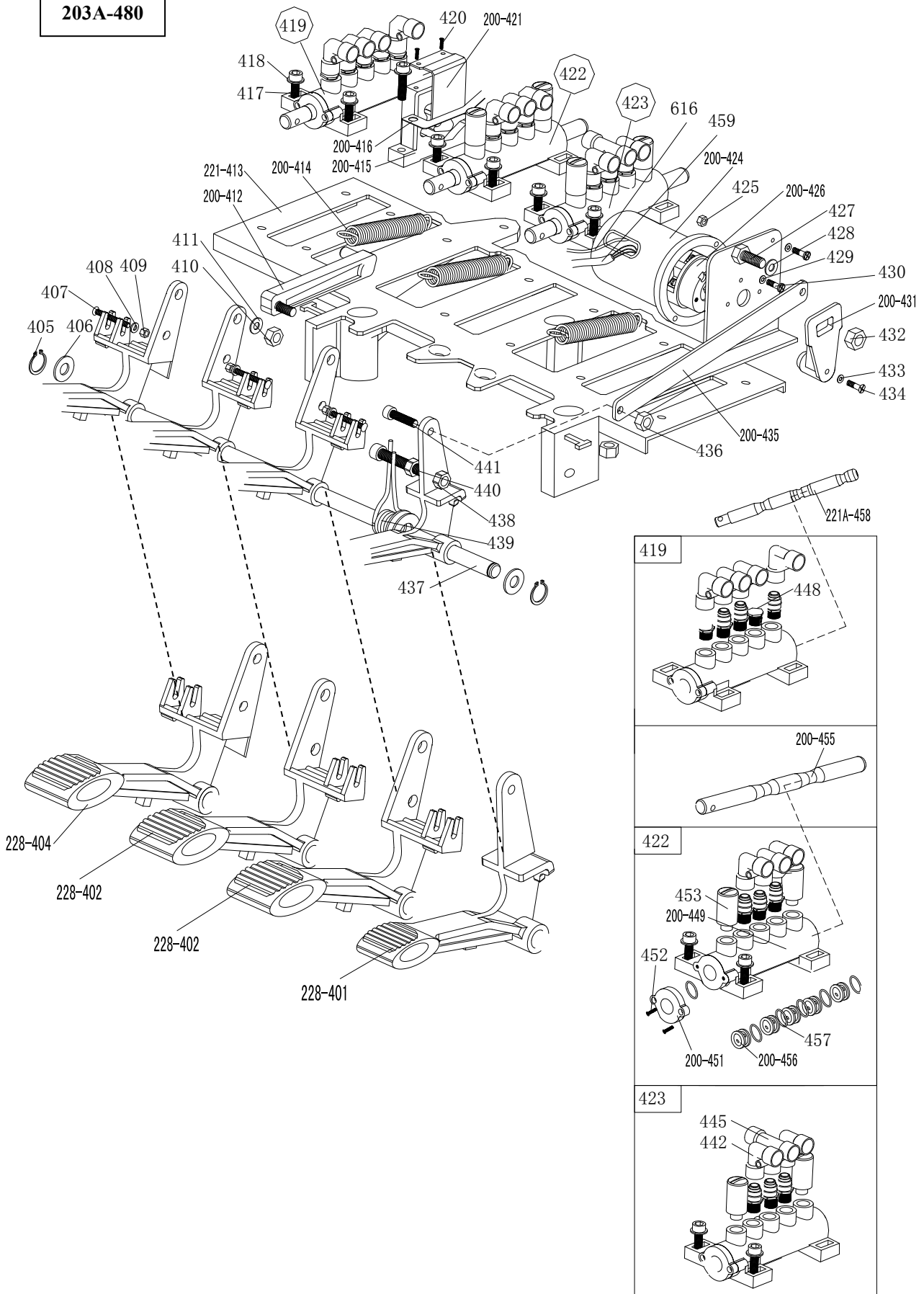


2098-201	CX-298-130100-0	Turntable 720
202	CX-298-120300-0	Jaw sliding plate(optional)
228-203	CX-228-120000-0	Jaw cap assembly
204	C-200-570000-0	Jaw 200
205	CX-200-140000-0	Big washer
206	B-050-160000-0	Spring washer Ø16
207	B-014-160401-0	Outer hex bolt M16×40
208	C-200-440000-0	Turntable cap
228-209	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	Vertical arm washer
213	B-012-120631-0	Cross countersunk head screw
228-214	CX-228-110200-0	Jaw slide guide with pin
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 Ø121
219	B-040-123030-1	Flat washerØ12X30X3
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	Tilting 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 M12X7X1.75
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 round pin M5*16
254	B-012-120301-0	Countersunk Head Screws M12 x 30



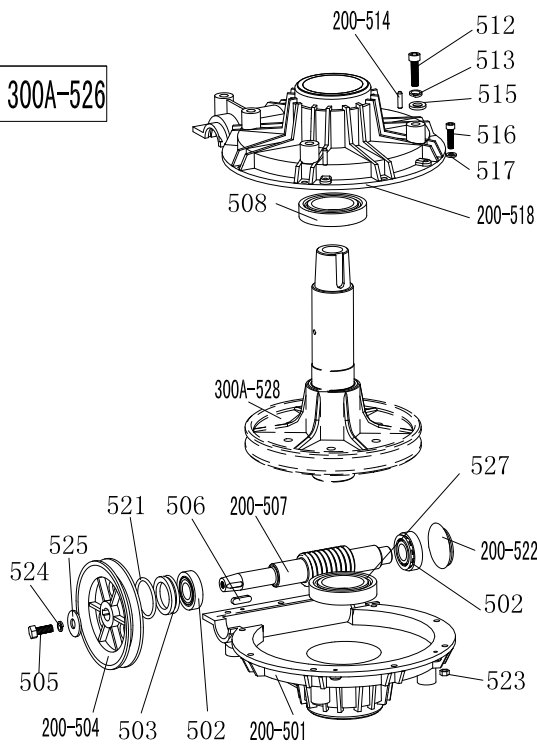
231-13	C-231-360000-0	Bead breaker arm spring	231-322	CX-231-030000-0	Enlarger bead breaker arm 200
301	B-010-140301-0	Hex socket head bolt M14×30	321		Flat washer
303	S-018-010408-0	Union (90°) 1/4-Ø8	200-323	CX-200-040000-0	Bead breaker pin
304	B-004-160001-1	Nut M16*1.5	200-324	CX-200-050600-0	Bead breaker cylinder rotating pin
305	B-040-162820-1	Flat washer Ø16*28*2	325	B-040-122520-1	Flat washer Ø12*24*2
306	S-000-016265-0	O-seal 16*2.65	326	B-001-120001-0	Self-locking nut M12
307	S-000-019262-0	O-seal 19.6*2.62	327	B-040-083030-1	Flat washer Ø8*30*3
200-310	C-200-050100-0	Bead breaker cylinder piston rod	328	B-050-080000-0	Spring washer Ø8
200-315	CX-200-070000-0	Bead breaker shovel assembly	329	B-014-080201-0	Hex socket head bolt M8×20
316	B-010-120901-0	Hex socket head bolt M12×90	331	B-001-160001-0	Self-locking nut M16*1.75
317	B-004-160001-1	Self-locking nut M16*1.5	231-332	CX-231-030900-0	Bead breaker shaft washer
318	U-006-000001-2	Guide belt	231-333	CX-231-030800-0	Bead breaker shaft
228-334		Complete Bead breaker cylinder D200	344	B-001-080001-0	Self-locking nut
350	CW-112-209800-0	Bead breaker cylinder exhaust valve	228-361	CX-298-050500-0	Bead breaker cylinder cover assembly
351	S-012-010808-0	Union (90°)1/8-Ø8	228-362	S-000-195265-0	O-seal Ø198*3.1
352	C-098-600200-0	Bead breaker cylinder exhaust valve cover	363	S-005-200184-0	Y-seal D200*184*12
353	C-098-600400-0	Seal washer	228-364	C-298-050200-0	Bead breaker cylinder piston D200
354	C-098-600300-0	Bidirectional seal	228-365	S-000-180500-0	O-seal Ø180*5
355	C-098-600100-0	Bead breaker cylinder exhaust valve barrel	228-366	C-298-051000-0	Threaded connection rod
356	S-023-010401-6	Muffler	228-367	C-298-050300-0	Bead breaker cylinder barrel
357	S-010-010408-0	Stright union 1/4- Ø8	228-368	C-298-051100-0	Bead breaker cylinder back cover
319	B-050-140000-0	Spring washer Ø14	200-370	C-200-070600-0	Bead breaker shovel protector
320	B-055-160001-0	Snap ring Ø16			

203A-480

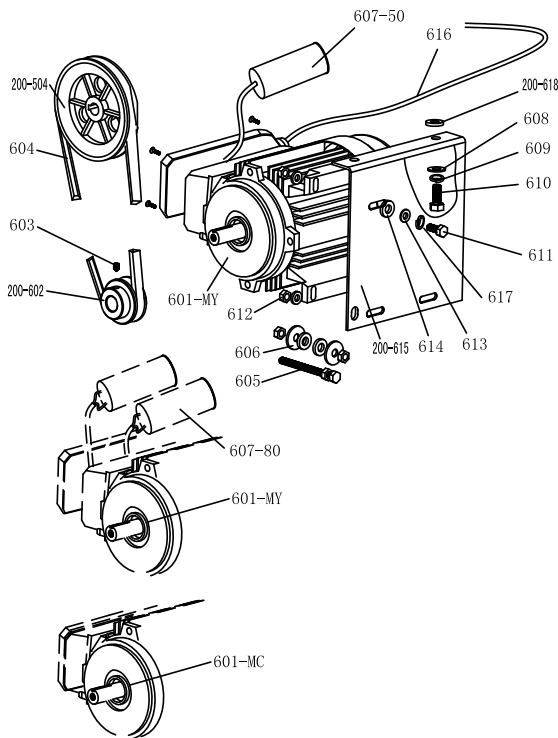


228-401	CX-228-060400-0	Reverse switch pedal	429	B-040-040000-1	Flat washer Ø 4
228-402	CX-228-060300-0	5-way valve pedal (right)	430	B-024-040161-0	Cross-round head screw M4*16
228-404	CX-228-060200-0	5-way valve pedal (left)	200-431	C-200-530000-0	Reverse switch handle
405	B-055-120001-0	Snap ring 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-221-060700-0	Pedal front shaft
411	B-040-081715-1	Flat washer Ø8*17*1.5	438	B-004-080001-0	Nut M8
200-412	C-200-060100-0	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	445	S-016-010808-2	Quick T-union1/8-2* Ø 8
417	B-010-060201-0	Hex socket head bolt M6×20	448	B-007-180081-R	Hex socket head bolt 1/8*8
			200-449	C-200-060901-0	5-way valve barrel
419	CW-110-021100-A	Complete 5-way valve for inflating			
420	B-019-290121-0	Cross head self tapping screw	200-451	C-200-061100-0	5-way valve cover
200-421	CX-200-060500-0	Cam cover	452	B-024-290121-0	cross head screw ST2.9*14
422	CW-110-020000-0	Complete 5-way valve for clamping cylinder	453	S-023-010801-0	Muffler 1/8"
423	CW-110-020001-0	Complete 5-way valve for bead breaker cylinder	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	221A-458	CX-221-650000-A	5-way valve rod for inflating
427	B-010-060201-0	Hex socket head bolt M6×20	459		Power supply cable
428	B-040-061210-1	Flat washerØ6X12X1	616		Motor cable
			203A-480	CW-109-020300-A	Complete 4-pedals assembly 203A

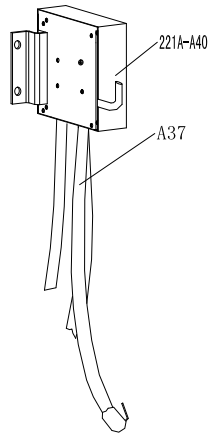
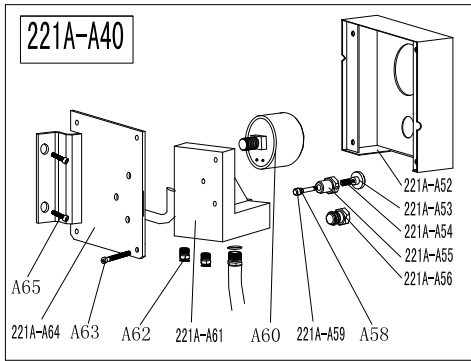
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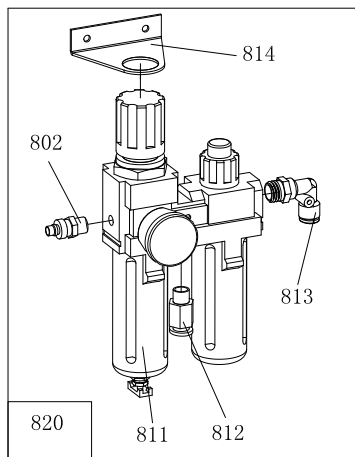
200-501	C-300-320302-0	Gear box lower cover
502	S-040-030204-0	Bearing 30204
503	S-005-020080-1	Gear box seal $\phi 20 \times 35 \times 8$
200-504	C-200-320500-0	Gear Belt pulley
505	B-014-080251-0	Outer hex bolt M8x25
506	B-065-006020-0	Key washer 6x20
200-507	C-200-320400-0	Worm rod
508	S-040-006010-0	Bearing 6010
512	B-014-100551-0	Outer hex bolt M10x55
513	B-050-100000-0	Spring washer $\phi 10$
200-514	B-060-006020-0	Pin 6X20
515	B-040-102020-1	Flat washer $\phi 10 \times 20 \times 2$
516	B-010-060201-0	Hex socket head bolt M6x20
517	B-040-061412-1	Flat washer $\phi 6 \times 14 \times 1.2$
200-518	C-300-320301-0	Gear box upper cover
521	S-000-027310-0	O-seal $\phi 27.8 \times 3.1$
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 $\phi 8$
525	B-040-083030-1	Flat washer $\phi 8 \times 30 \times 3$
300A-526	CW-107-030001-A	Complete gear box
527	S-040-006028-0	Bearing 6208
300A-528	C-300-320100-0	Worm gear



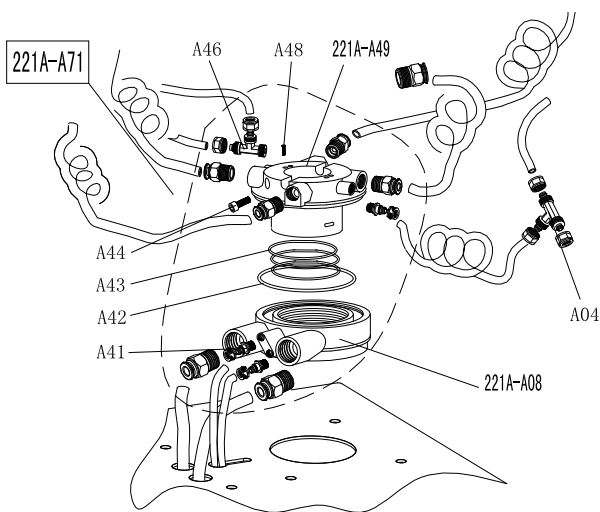
200-504	C-200-320500-0	Gear Belt pulley
601-MC	S-050-220110-5	Motor 220V/50HZ
601-MY	S-050-230075-0	Motor 220v
200-602	CX-200-330000-0	Motor Belt pulley
603	B-007-080121-0	Hex socket head bolt M8x12
604	S-042-000686-0	Tyre changer belt A-28
605	B-014-080651-0	Outer hex bolt M8X65
606	B-040-083030-1	Flat washer $\phi 8 \times 30 \times 3$
607-80	S-063-008000-0	Capacitor 80 μ f, 110V
607-50	S-063-005000-0	Capacitor 50 μ f, 220V
608	B-040-102020-1	Flat washer $\phi 10 \times 20 \times 2$
609	B-050-100000-0	Spring washer $\phi 10$
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 $\phi 8 \times 22 \times 2$
614	C-200-560000-0	Motor rubber washer
200-615	CX-200-340000-2	Motor support
616	CZ-000-205150-0	Motor cable 5x1.0
617	B-050-080000-0	Spring washer $\phi 8$
200-618	C-200-560000-0	Motor rubber buffer



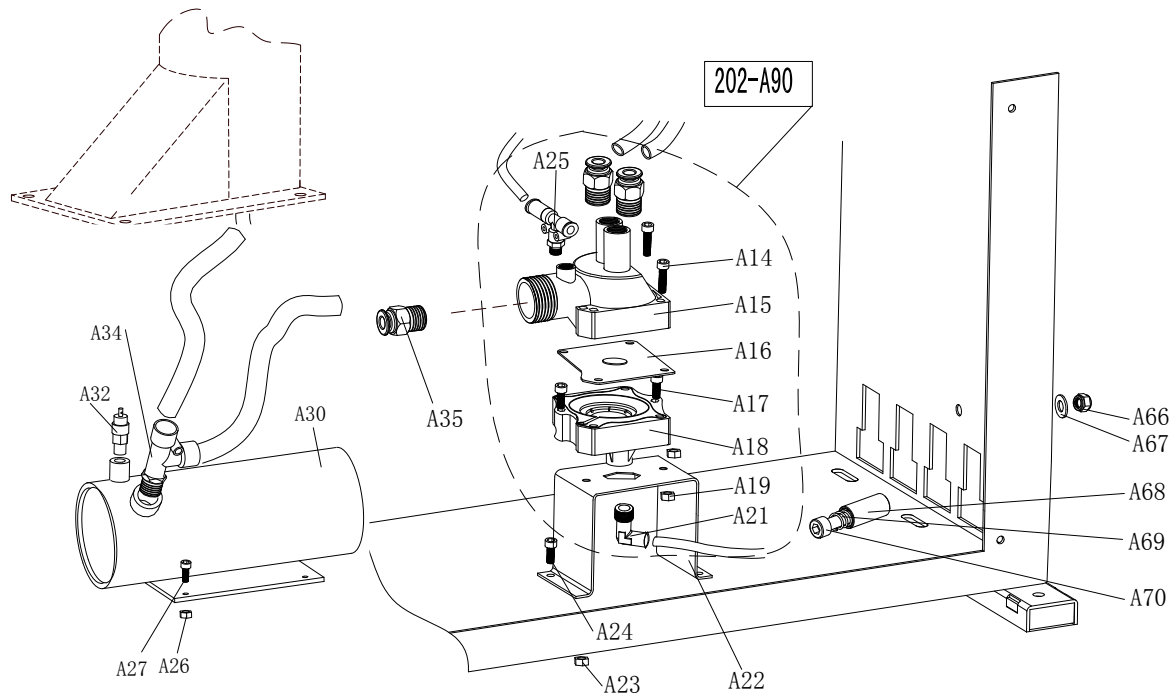
221A-A52	C-221-700000-A	Pressure gauge box $\Phi 60$
221A-A53	C-221-690300-A	Button
221A-A54	C-221-690400-A	Button spring
221A-A55	C-221-690100-A	button valve
221A-A56	B-007-180081-R	Hex socket head bolt 1/8
A58	S-000-004200-0	O seal 4*2
221A-A59	C-221-690200-A	Button shaft
A60	S-038-000020-0	Pressure gauge 10kg
221A-A61	C-221-680000-A	Seat with holes
A62	S-010-010808-0	Straight union 1/8- $\Phi 8$
A63	B-017-040301-0	Cross flat head self-tapping bolt M4*30
221A-A64	CX-221-710000-A	Pressure gauge box support
A65	B-010-060161-0	Hexagon socket head bolt M6*16
A37	S-035-014150-0	Rubber hose 1.5 with clip
A38		Hose 12X8
A39		Hose 12X8
221A-A40	CW-118-022100-0	Complete pressure gauge box



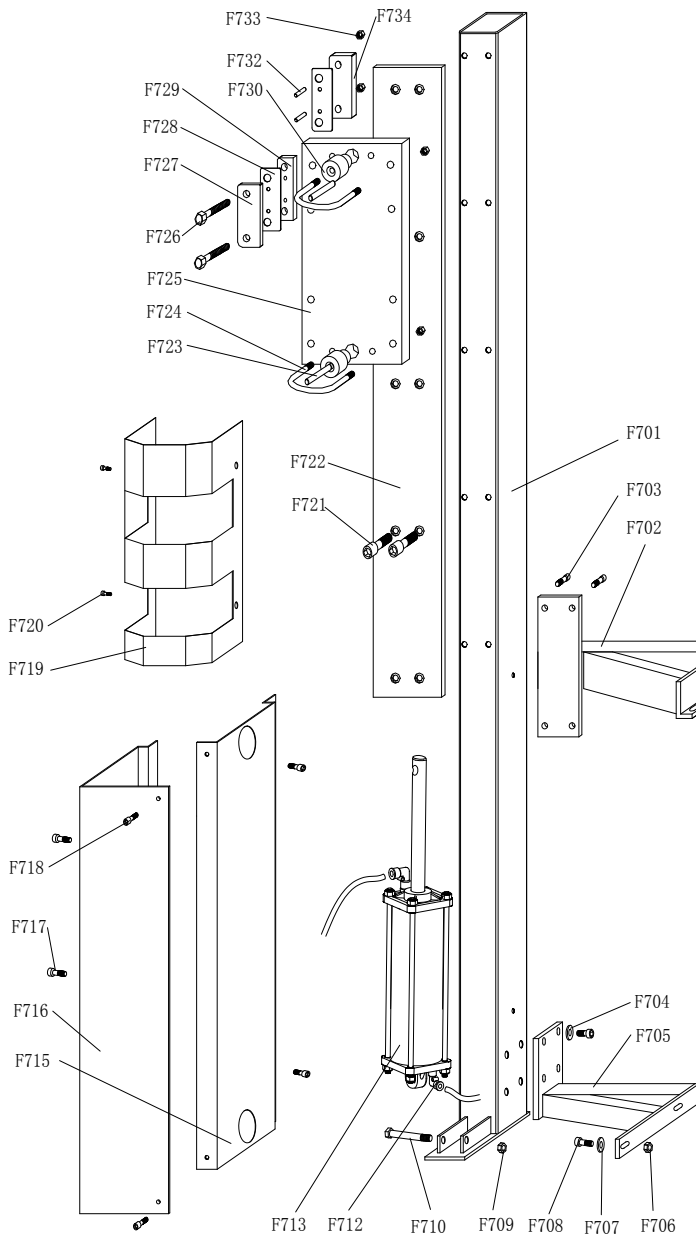
802	S-025-000050-0	Quick nozzle PM20
811	S-033-350000-0	Oil fog maker 3500
812	S-010-010806-0	T-union 1/8- $\Phi 8$
813	S-018-010408-0	Union (90°) 1/4- $\Phi 8$
814	C-200-011200-0	Oil fog maker support
820	CW-114-035000-0	Complete oil fog maker 3500



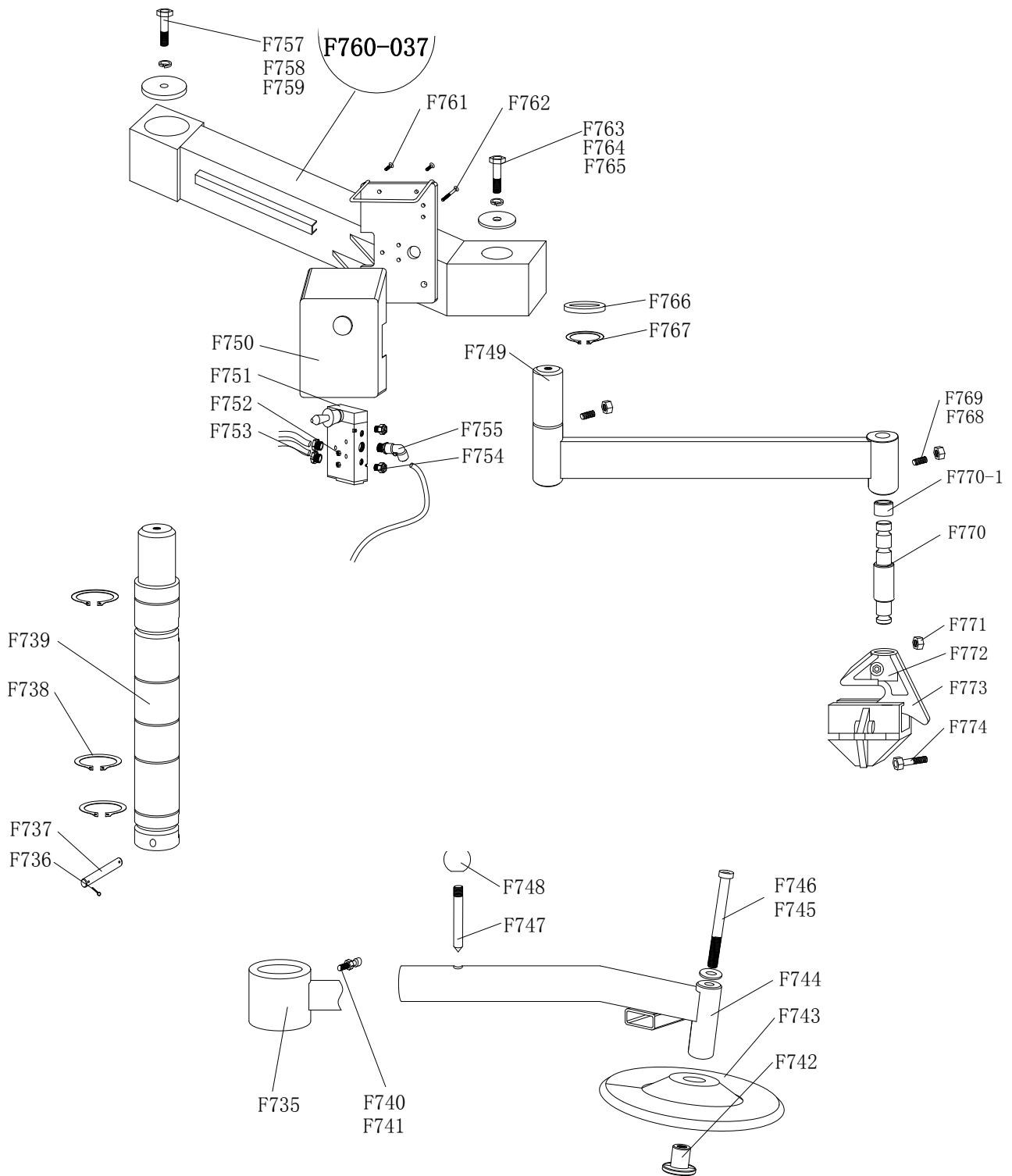
221A-A08	CX-221-430100-A	Rotating valve casing A
A04	S-015-000008-3	T-union 3* $\Phi 8$
A41	S-011-010808-0	Straight union 1/8- $\Phi 8$
A42	S-000-089200-0	O-seal $\Phi 89*2$
A43	S-000-062280-2	O-seal $\Phi 62*2.8$
A44	B-010-060201-0	Hex socket head bolt M6X20
A46	S-015-010808-2	T-union 1/8-2* $\Phi 8$
A48	B-007-040061-0	Hex socket head bolt M4X6
221A-A49	CX-221-430200-A	Rotating valve mandrel A
221A-A71	CW-106-022102-A	Complete Rotating valve A



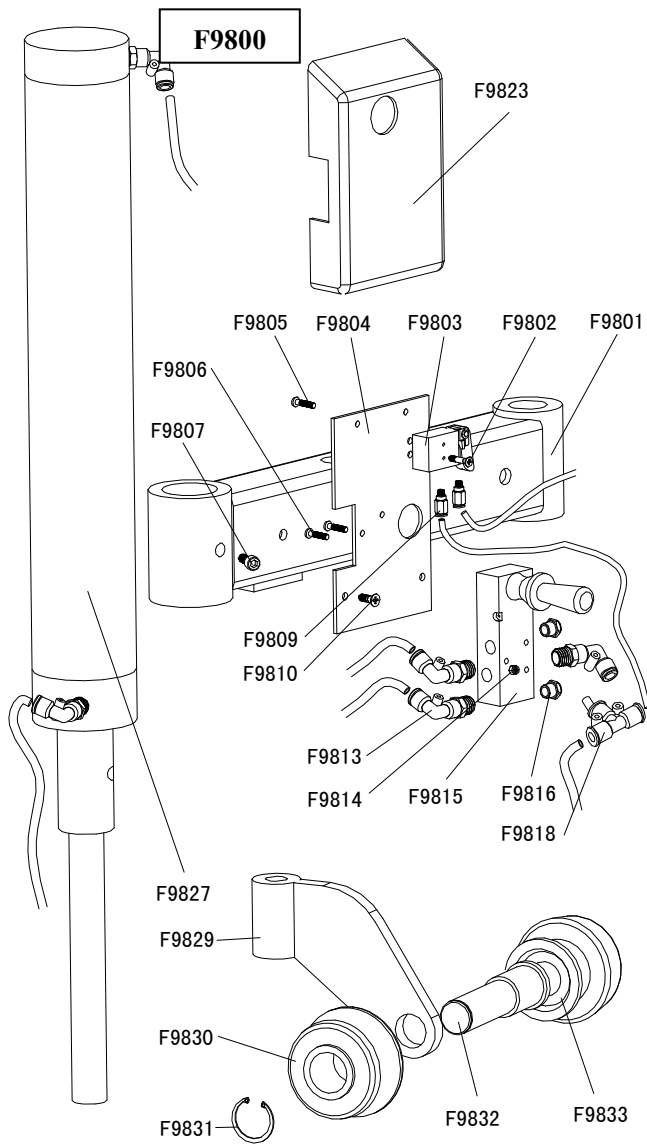
A14	B-010-060301-0	Hex socket head bolt M6*30
A15	C-221-600500-A	Exhaust valve barrel
A16	C-221-600700-A	Exhaust valve rubber washer
A17	B-010-060301-0	Hex socket head bolt M6*30
A18	C-221-600600-A	Exhaust valve cover
A19	B-001-060001-0	Self-locking nut M6
A21	S-012-010408-0	Quick union 1/4-Ø8
A22	CX-221-600800-A	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-016-010808-2	One way valve (CEPCVB 8-01)1/8-2*Ø8
A26		Nut
A27	B-010-100251-0	Hex socket head screw M10*25
A28	S-012-010212-0	Quick union 1/2-Ø12
A30	CX-098-100000-0	Small air tank assembly
A32	S-030-010400-8	Save valve
A34	S-016-010212-2	Quick union 1/2-2 Ø12
A35	S-010-010212-0	T-union 1/2- Ø12
A66	B-001-100001-0	Self-locking nut M10
A67	B-040-102020-1	Flat washer Ø10*20*2
A68	CX-221-620300-A	Limit spring plate
A69	C-201-670000-A	Limit spring
A70	B-010-100601-0	Hex socket head bolt M10*60
202-A90	CW-112-020201-Y	Complete exhaust valve



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 hose 6*4
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

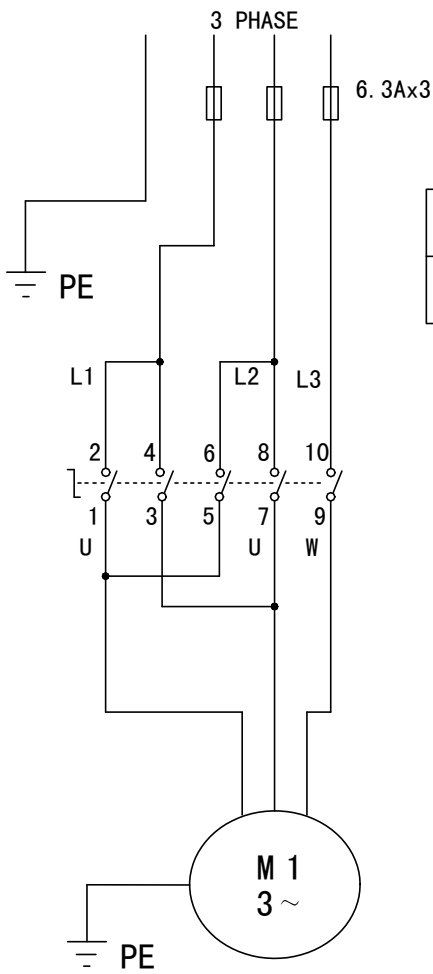


F735	CX-007-210000-0	Rotating arm support	F761	B-019-420161-0	Cross head screw 4.2*16
F736	B-070-032018-0	Split pin 3.2X18	F762	B-017-040301-0	Cross head screw 4*30
F737	CX-007-140000-0	Connection pin	F763	B-014-100251-0	Outer hex bolt M10*25
F738	B-055-600001-0	Snap ring Ø60	F764	B-050-100000-0	Spring washer φ10
F739	CX-007-200000-0	Rise-fall main shaft	F765	CX-007-260000-0	Rotating shaft washer
F740	B-014-080251-0	Outer hex bolt M8*25	F766	CX-007-270000-0	Snap ring washer
F741		Nut M8	F767	B-055-400001-0	Snap ring φ40
F742	CX-005-110000-0	Tyre lifting roller center hud	F768	B-004-100001-1	Nut M10
F743	C-005-100000-0	Tyre lifting roller	F769	B-007-100201-0	Hex socket head bolt 10*20
F744	CX-007-220000-0	Pipe assembly	F770	CX-006-210000-0	Tyre pressing head rotating shaft
F745	B-040-123030-1	Flat washer Ø12*30*3	F771	B-001-060001-0	Self-locking nut M6
F746	B-010-121201-0	Hex socket head bolt M12*120	F772	C-008-090100-0	Tyre pressing head(upper)
F747	CX-007-230100-0	Pin	F773	C-008-090200-0	Tyre pressing head(low)
F748	C-007-230200-0	Pin block	F774	B-010-060301-0	Hex socket head bolt M6*30
F749	CX-007-250000-0	Tyre pressing rotating arm 007	F775B	CZ-007-240000-0	Tyre pressing pipe assembly
F750	C-007-181000-0	Control valve protection cover	F776B	C-000-001021-0	Tyre pressing arm washer
F751	S-030-010818-0	Control valve	F777B	B-010-080201-0	Hex socket head bolt M8*20
F752	B-004-040001-1	Nut M4	F778B	B-050-080000-0	Spring washer Ø8
F753	S-010-010406-0	Quick union 1/4-φ6	F779B	B-040-083030-1	Flat washer Ø8*30
F754	S-023-010801-0	Muffler 1/8 (copper)	F780B	C-008-080000-0	Tyre pressing roller
F755	S-012-010406-0	Quick union 1/4-φ6	F770-1	CC-231-030802-0	Rotating shaft spacer
F756		Main hose 6*4			
F757	B-014-100251-0	Outer hex bolt M10*25			
F758	B-050-100000-0	Spring washer φ10			
F759	CX-007-180800-0	control arm plate washer			
F760-037		037control arm			



F9801	CX-098-020000-0	098 Pressing arm(right)
F9802	B-024-050101-1	Cross head Screw M5X10
F9803	S-030-010414-0	Pneumatic valve
F9804	CX-005-200000-0	Raise-fall switch base plate
F9805	B-017-040161-0	Cross flat head screw M4*16
F9806	B-017-040301-0	Cross flat head screw M4*30
F9807	B-007-100121-0	Hex socket head bolt M10*12
F9809	S-010-050004-0	Quick straight union M5-Ø4
F9810	B-010-050161-0	Hex socket head bolt M5*16
F9813	S-012-010406-0	Quick union 1/4-Ø6
F9814	B-004-040001-1	Nut (silver) M4
F9815	S-030-010818-0	Raise-fall control valve
F9816	S-023-010801-6	Muffler (cooper)
F9817	S-012-010406-0	L-union 1/4-φ6
F9818	S-013-104206-0	T-union 2XØ6-Ø4
F9820	S-017-010806-2	T-union 1/8-2*Ø6
F9823	C-007-181000-0	Control valve protect cover
F9827	CW-105-209800-2	Complete 098 cylinder
F9828	S-012-010406-0	Quick Union 1/4-Ø6
F9829	CX-098-040000-0	Pressing roller bracket support
F9830	C-098-060100-0	Tyre pressing roller 1
F9831	B-055-300002-0	Snap ring Ø30(hole)
F9832	CX-098-050000-0	Tyre pressing roller shaft
F9833	C-098-060200-0	Tyre pressing roller 2
F9800		098 complete help arm

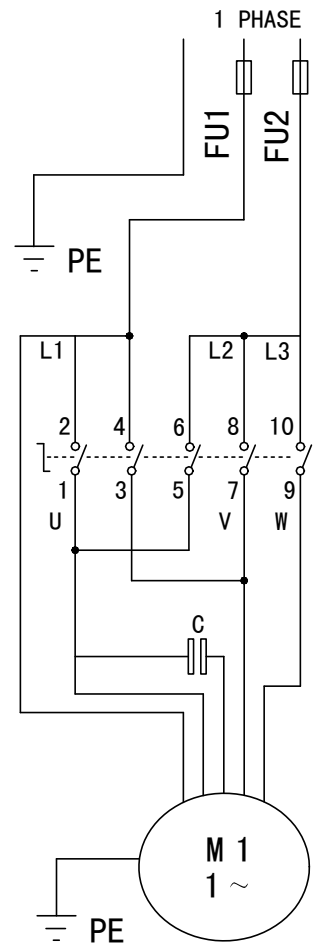
17. Circuit diagram



	FU1-FU2
110V 50/60HZ	25A
220V 50/60HZ	20A

Function table

			3	11	12
				9	10
			2	7	8
				5	6
			1	3	4
				1	2
1	0	2	contacts NO. position		



18. Pneumatic drawing

