

TYRE CHANGER

INSTRUCTION & MAINTENANCE MANUAL



TYRE CHANGER INSTRUCTION MANUAL

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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 of machine. Please keep this manual properly in order to further maintenance of the machine.

1. Introduction:

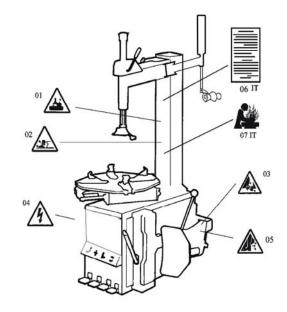
Application Range: The semi-automatic tyre changer is especially designed for demounting / mounting tyres from

wheel rims. This type of machine can demount/mount bigger and heavier tyres, dimension of tire rims from 254mm to 762mm. The tire installation base is different with the traditional turntable and can fixing the tire with quick release nut which is more efficient & protection. With the tire lifting device rise-fall the tires automatically this can save the labor of manual handling.

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.

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; warranty excludes the easy-broken parts).

2. Safety Warnings:

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

Caution:

When the security warning labels are defaced or off, please recovery them in time!

Do not allow to operate when the security warning labels are missed or imperfect.

Do not allow to set any objects to obscure the security warning labels.

Clients can self-set the warning labels (as right picture show) at any necessary positions.



3. Technical data:

| rim dimensions | 8" -28" |
|----------------------|------------------------------------|
| Max. Wheel diameter | 1143mm(45 ") |
| Max. Wheel width | 406mm (16 ") |
| Working Pressure | 8-10bar |
| Power supply | 110V (1ph)/ 220V (1ph)/ 380V (3ph) |
| Optional Motor power | 0.75/0.55/1.1 kw |
| Max. Rotating Torque | 1078 Nm |
| (Turntable) | 1070 1411 |
| Overall Dimension | 1130X900X1030mm |
| Noise Level | <75 dB |

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**

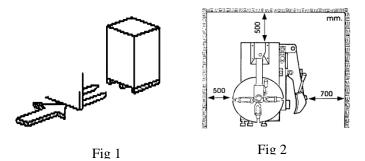
5. Unpacking & Inspection::

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 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. The illustrations of products



Fig 3

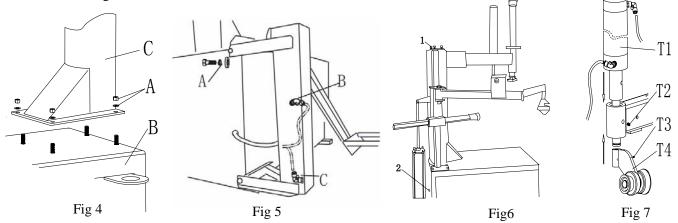
| 1. Rotation Pedal | 2. Rise-fall Pedal | 3. Bead Breaker Pedal |
|------------------------------|-------------------------------------|---------------------------|
| 4. Bead breaker buffer | 5. Bead Breaker shovel | 6. Auxiliary rotating rod |
| 7. Column | 8. Demount/mount head | 9. Tire pressing roller |
| 10. Raise-fall control valve | 11. Vertical arm | 12. Adjust handle |
| 13. Inflating gun | 14. Quick release nut | 15. Cone |
| 16. Rubber protection washer | 17. Tire installation base assembly | 18. Tire lifting device |
| 19. Tire lifting support | | |

Caution: Before any operations, please operator keep the hands and human body away from the machine rotating parts. Please wear straitjackets and don't wear loose clothing and wear necklaces, bracelets.

8. 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 to ensure the machine is stable. Make sure the system is equipped with a good grounding circuit for prevent 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 4. 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, tight them immediately. Otherwise the result of damage to the tyre may happen.
- 3. Fixing the tire lifting device on the side of machine body with bolt set A, shown as Fig 5; after fixing all the bolts, connecting the air hose B&C.
- 4. Fixing the left help arm on the post and cabinet with 10pcs M10 bolts. Put the 8MM pipe into the cabinet from the right reservation hole (2) of the machine and plug on the three-way connection, show as fig6.
- 5. Fixing the cylinder T1 on the swing arm with 2 bolts T2; Fixing the tire pressing roller on the piston rod and tighten with the hex screws T3, then make sure that the tire pressing roller can rotate freely; connecting the air hose. Shown as Fig7.



9. Electric and Pneumatic connections:

Caution: Before installation and connection, check to be sure that the electricity power supply corresponds to the machine technical data. All the installation of electric and pneumatic devices must be operated by a professional electrician.

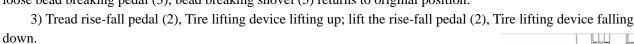
Connect the compressed air connector which is on the machine right side with compressed air system. The electric grid that the machine connects to must have fuses protection device and good outer cover grounding protection. Install the leakage automatic air switch on the maim power supply, leakage current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

Caution: No power plug for this machine, the user should self-connect one power plug no less than 16A as well as in line with the machine voltage. Or directly connect with the power supply according to the above requirements.

10. Adjusting operation:

10.1 Function of Pedal

- 1) Tread Rotation Pedal (1), Tire installation base (17) rotates in a clockwise direction; Lift Rotation Pedal (1), Tire installation base (17) rotates in an anticlockwise direction
- 2) Tread bead breaker pedal (3), bead breaker shovel (5) closing toward inside; loose bead breaking pedal (3), bead breaking shovel (5) returns to original position.



10.2 Operation of a the tyre changer

Operation of tyre changer consists of three parts:

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

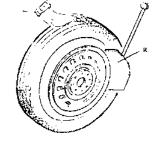


Fig 8

Fig 9

Caution: Before any operations, don't wear loose clothing and wear protective hat, gloves, and skid-proof shoes. Ensure to exhaust the air in the tyre completely, and remove all the wheel weights from the rim.

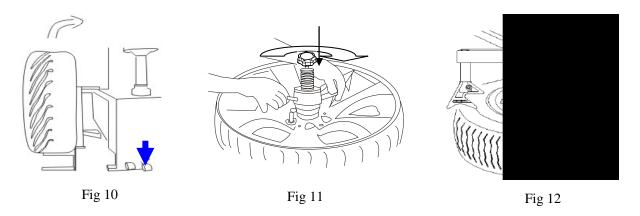
10.2.1. Breaking the tyre bead:

Ensure to exhaust the air in the tyre completely, place the tyre against the rubber buffer (4). Bring the paddle (R) against the bead about 10mm from the edge of the rim shown as **Fig 8**. Tread Bead breaker Pedal (3) 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.

10.2.2. Demounting tyre:

Caution: Ensure to remove all the weights on the wheel rim and to exhaust the air in the tyre completely before this operation. Apply lubricating grease (or similar lubricant) around the tyre bead.

Caution: Without the lubricant may lead to badly wear and tear on tyre. (Fig 9)



With the tire lifting device to rise/fall the tire, shown as Fig 10.

Make sure that removing the thread shaft on the tire installation base before lifting the tire.

Exhaust the air in the tyre completely, remove the valve core, put the tire on the tire lifting device, tread the rise-fall pedal, and the tire lifting device will lift up the tire. Push the tire to the tire installation base when the tire lifting support is 90° with the machine body. Tread the rise-fall pedal again down the tire, and adjust the auxiliary rotating rod of tire installation base which should be alignment with the fixing hole of tire rim. Input the tread shaft, positioning the tire with the appropriate cone, and then fixing the tire with the quick release nut shown as the Fig 11.

Caution: Check to make sure the wheel rim firmly secured before next step.

Move the mounting head near the edge of the rim, rotate the tire pressing arm to move the tire pressing block above the tire, 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 12)

With the Lifting Lever held in position, tread the Rotation Pedal (1), rotate the tire installation base in a clockwise direction until the tyre bead is completely separated from the wheel rim.

For the other side tyre demounting, keep using the lifting lever to lift the tyre, make the other side tyre beads separated from the wheel rim.

Caution: Chains, bracelets, loose clothes and anything else close to the rotating parts will bring danger to the operator.



Fig 13 Fig 14 Fig 15

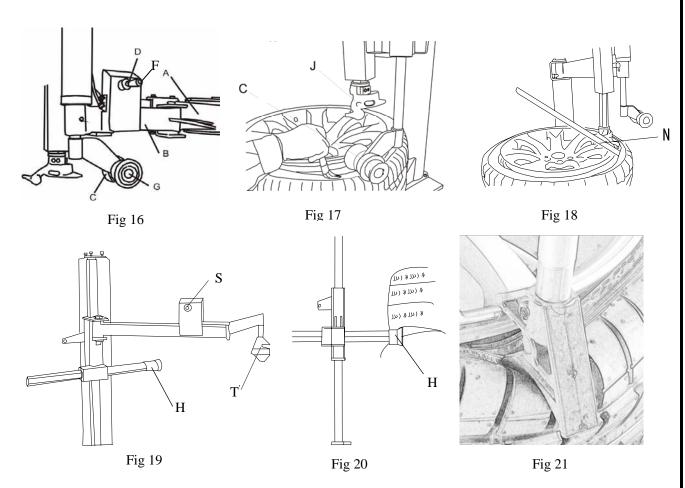
10.2.3. Mounting tyre:

Caution: Before mounting the tire, please make sure that dimension of tire bead is in accordance with the tire rim. To avoid any damage on type, lubricate the tyre bead and the wheel rim with the lubrication recommended by manufacturer. Put on the tyre and check the situation.

If rim diameter and width are same as that of tyre, it is not necessary to loosen and lock vertical arm. Only put tyre on rim, move swing arm to position when demounting tyre, put one side of tyre bottom bead upon rear of demount / mount head, and the other side of tyre bottom bead below front of demount/mount head. Press tyre manually or by pressing roller C of helping arm, rotate tire installation base and tyre bottom bead can be mounted. Please use the bead pressing tool(optional device)/left help arm tyre pressing function(Fig 21) for auxiliary operation if necessary.(Fig 13,14,15)

Repeat above operation to mount tyre top bead.

11. Helping arm application:



Helping arm at right side is auxiliary device of tyre changer for helping operator to demount and mount tyre.

11.1 help arm Components

Each components of helping arm device are introduced as follows: (Fig 16&19):

A- Swing arm

B- Small helping arm

C- Roller C

D- Raise-fall roller handle

F- Locking switch for helping arm

G-Roller G

S-Control switch

T-tire pressing head H-tire pressing roller

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

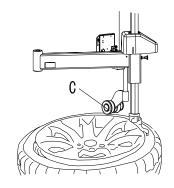


图 23

Roller lifting handle (D, Fig 16) is for lifting and lowering roller C, G so as to adjust tyre demount/mount vertical height. Operate handle (D, Fig 16) up, then roller C, G goes up; Operate handle (D, Fig 16) down, then roller C, G goes down.

11.2 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 rim

Firstly, press both side tyre loose as per operation instruction in user's manual, fixing the tire on the tire installation base.

b. Demount 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 16)
- 2. Move demount/mount head close to edge of rim, keep a 2-3mm gap between demount/mount head and rim plane, lock vertical arm, adjust screw bolt in column to position swing arm.
- 3. Nearby demount/mount head, insert lift lever N into tyre, use lift lever to lift bead upon knob of demount / mount head. Manually rotate roller C to inner side, pull handle D down, make roller C to press rim, keep 3-5mm gap between demount/mount head and rim, make sure demount/mount head not damage rim, rotate tire installation base, demount tyre upper bead (Fig 18)
 - 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 demount/mount head, lift bead upon knob of demount/mount head and rotate turntable to demount down tyre bead

During the above operation, the user can use the left help arm to help the working. For example: pressing the wheel hub, flattening or lifting up the tire from the side with the tire pressing, show as Fig20&21.

c. Install the tyre

- 1. Lubricate tyre and rim edge with lubricant to avoid damage of tyre. Adjust height of demount/mount head and make tyre bottom bead upon rear of demount/mount head and below front of mounting/mounting head. Rotate tire installation base to mount bottom bead.
- 2. Make tyre top bead upon rear of demount/mount head and below front of demount/mount head, clip the tyre pressing head(up) on the rim. Move the auxiliary tire pressing head (up) near the mounting/demounting head (distance 3¬4cm), lower "tire pressing head (up)" to press down the tyre 3-5cm below mounting/demounting head, rotate turntable, tire pressing head (up) will follow in synchrony as to rotate and press the tyre down in tyre rim, no intervention is needed during this process.

NOTE: It should be specially noted for below operation.

- 1) Smear lubricant on tyre bead to protect tyre 2) make hands far away from roller C,G Attention:
- 1) To prevent collision of help arm and mounting/demounting head, do not excessive rotate the installing base while using help arm;
- 2) Make sure the tire pressing head (up) never press on the tyre rim, the friction between them will damage the tyre rim! Keep your hands away from the tire pressing head (up)!

12. Inflating the tyre:

WARNING: all operations in this chapter refer to manual of machine equipped with inflating gun.

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.

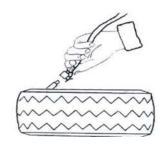


Fig 24

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 fail to comply with the safety regulation;

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) Lubricating 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; shown as Fig 24
 - 6) Continue inflating and check the air pressure frequently until to reach the required pressure...

NOTE:

- 1) If not observe following warning and instruction, it may cause serious injury or death to operators or people beside. When inflating tyre or locking rim, air pressure must not exceed 3.5bar (50psi).
- 2) If higher air pressure is required to inflate tyre, take tyre off from tyre changer, and put it into inflating cage, then start inflating. It is strictly forbidden that inflating tyre with pressure higher than that recommended by tyre manufacturer
- 3) Only operator who has been specially trained can operate. All other people are not allowed to operate or approach the tyre changer.

13. Moving machine:

A forklift is required to move the tyre changer. Cut off air supply and electricity supply, lift base a little bit, insert lift fork into bottom base, move tyre changer to new position, then fix tightly

NOTE: installation position of tyre changer must comply with 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 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 tire installation base with diesel oil once per week and lubricate the slides and shafts.
- 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 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

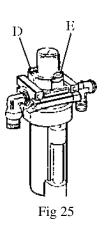
every time, drop down a drip of oil, and otherwise adjust the screw (D) that controlled oil enters with minus screwdriver. (Fig 25)

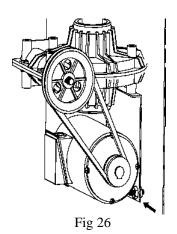
Note: in the event of tire installation base lose power, check to see if the belt is tight as follow steps: Remove the left side cover by unscrewing the screws; adjust two screws located on the motor support, keep a suitable distance between motor support and motor base; tight the screws for the belt tension.(Fig 26)

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 27)





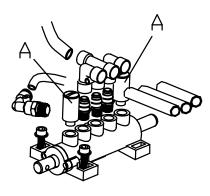
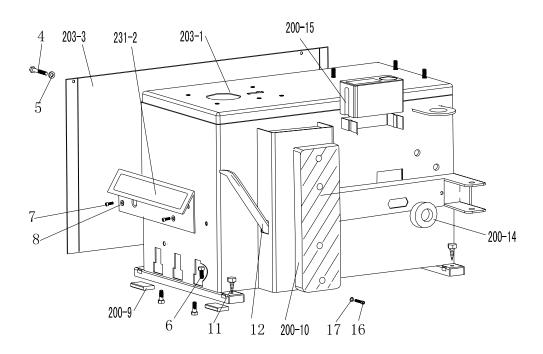


Fig 27

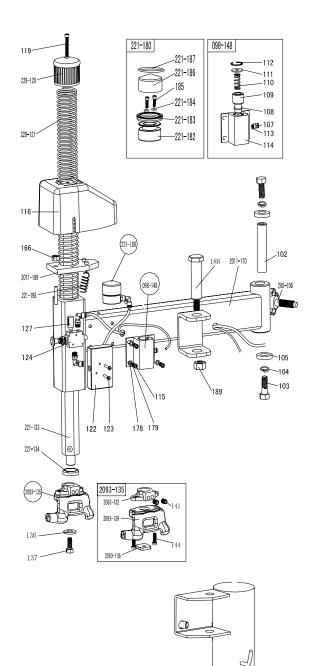
15. Trouble shooting table:

| Problem Reason | | Solution |
|---|--|---|
| | Reverse Switch broken | Replace the Reverse Switch |
| The turntable rotate just in | Belt broken | Replace the belt |
| one direction or can't rotate. | 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 | Leakage of Air network | Check all the parts on the air network. |
| wheel); | The clamping cylinder can't work. | Replace the cylinder piston. |
| The jaws delay to open/close; The turntable locks the rim | Worn jaws | Replace the jaws. |
| incorrectly. | Broken washers of the chuck cylinder | Replace it. |
| The demount/mount head always | The locking plate incorrectly adjust or unqualified. | Replace or adjust it. |
| touch the rim during operation. | Screws on the chuck loose; the Hexagonal 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 | Jammed silencer | Clean it or replace it. |
| difficultly. | The washer on the Bead Breaker cylinder is broken. | Replace it. |

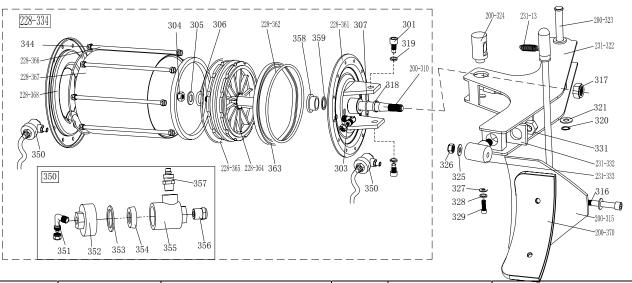
16. Exploded drawing



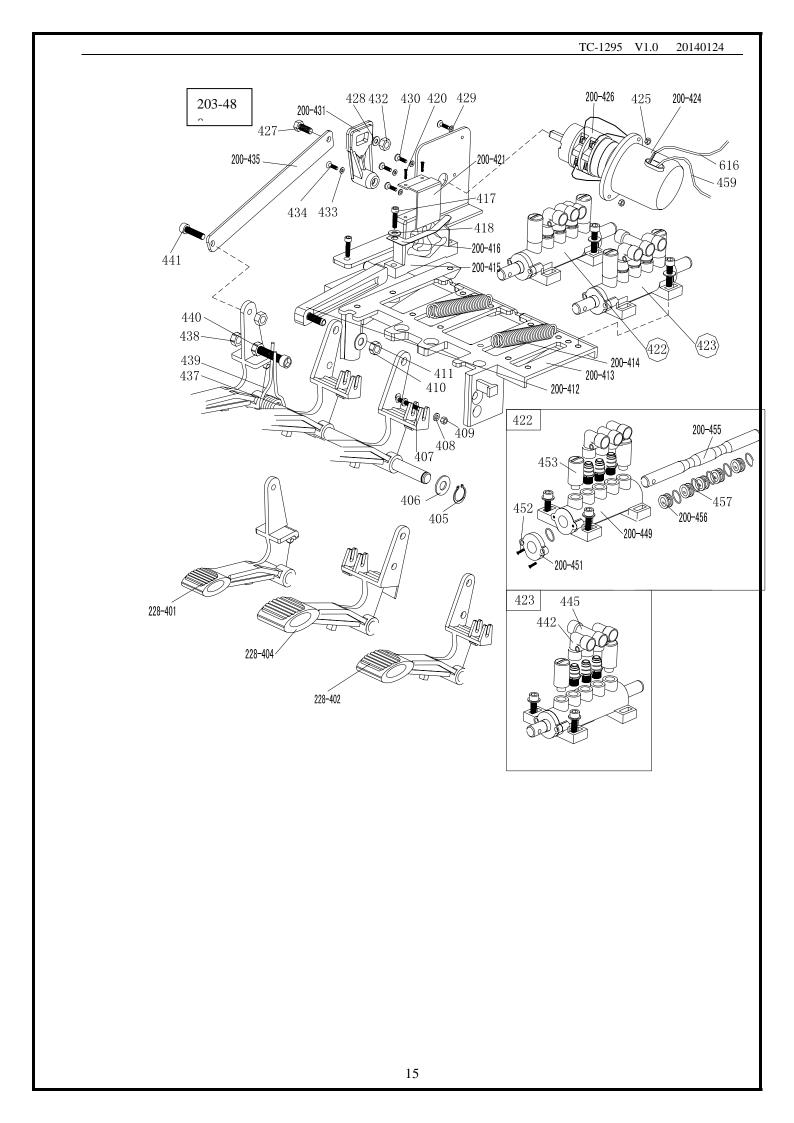
| 203-1 | CX-203-010000-0 | Machine body |
|--------|-----------------|----------------------------|
| 231-2 | CZ-231-080000-0 | Pedal front cover |
| 203-3 | CX-231-020000-0 | Left cover |
| 4 | B-010-060101-0 | Hex socket head bolt M6×10 |
| 5 | B-040-061412-1 | Flat washer Ø6*14*1.2 |
| 6 | B-014-080251-0 | 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 |
| 200-9 | C-000-001020-0 | Rubber foot buffer |
| 200-10 | C-200-500000-0 | Bead breaker buffer |
| 11 | B-027-060401-0 | Grounding screw M6x40 |
| 12 | C-200-580000-0 | Lifting lever |
| 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 bolt M8x20 |
| 17 | B-040-081715-1 | Flat washer Ø 8*17*1.5 |



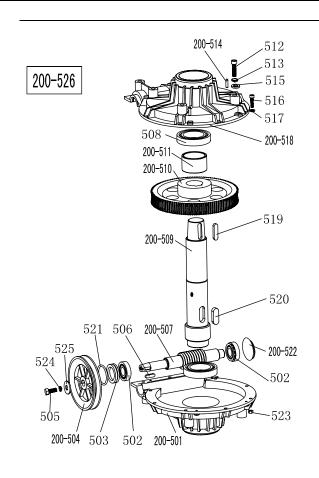
| 200-102 CX-200-190000-0 Swing arm pin 103 B-014-140351-0 Outer hex bolt M14x35 104 B-050-140000-0 Spring washer Ø14 105 CX-200-140000-0 Big washer 200-106 C-200-350000-0 Column adjust handle 107 S-010-050004-0 Quick stright union M5-Ø 4 108 S-000-030355-0 O-seal 30X3.55 109 CX-007-180700-0 098 Swing arm spring 110 C-007-180700-0 098 Swing arm spring 111 CX-007-180800-0 098 Swing arm spring 112 B-055-300002-0 Snap ring Ø30(hole) 113 S-000-05200-0 O-seal Ø 5.6X2 114 CX-098-800000-0 Uex socket head bolt M6X20 115 B-010-060201-0 Hex socket head bolt M10×30 128-120 C-200-490000-0 Vertical arm cap 228-121 C-200-390000-0 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 | 203-101 | CX-203-250000-0 | Round column |
|---|----------|-----------------|----------------------------------|
| 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-007-180600-0 098 Swing arm spring plate 110 C-007-180700-0 098 Swing arm spring 111 CX-007-180800-0 098 Swing arm spring 112 B-055-300002-0 Snap ring Ø30(hole) 113 S-000-05200-0 O-seal Ø 5.6X2 114 CX-098-080000-0 O98 Pneumatic lock barrel 115 B-010-60201-0 Hex socket head bolt M6X20 116 C-298-480000-0 Hex socket head bolt M10×30 228-120 C-200-49000-0 Vertical arm cap 228-121 C-200-390000-0 Vertical arm spring 122 C-998-09000-0 Vertical arm spring 122 C-998-09000-0 Vertical arm washer 123 B-017-040301-0 Cross head screw M4*30 124 S-030-0104 | 200-102 | CX-200-190000-0 | Swing arm pin |
| 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-007-180600-0 098 Swing arm spring plate 110 C-007-180800-0 098 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-098-080000-0 098 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 M10×30 128-120 C-200-490000-0 Vertical arm cap 122-120 C-200-390000-0 Vertical arm spring 122 C-098-090000-0 Locking switch box 123 B-017-040301-0 Muffler 1/8" 124 S-030-010414-2 Hand valve 127 S-023-010801-0 Muffler 1/8" 221-133 CX-221-160000-0 | 103 | B-014-140351-0 | Outer hex bolt M14x35 |
| 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-007-180600-0 098 Swing arm spring plate 110 C-007-180800-0 098 Swing arm plate washer 111 CX-007-180800-0 098 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-098-080000-0 098 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 M10×30 128-120 C-200-490000-0 Vertical arm cap 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 | 104 | B-050-140000-0 | Spring washer Ø14 |
| 107 | 105 | CX-200-140000-0 | Big washer |
| 108 | 200-106 | C-200-350000-0 | Column adjust handle |
| 109 CX-007-180700-0 098 Swing arm spring plate 110 C-007-180700-0 098 Swing arm spring 111 CX-007-180800-0 098 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-098-080000-0 098 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 M10×30 228-120 C-200-490000-0 Vertical arm cap 228-121 C-200-390000-0 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- | 107 | S-010-050004-0 | Quick stright union M5- Ø 4 |
| 110 C-007-180700-0 098 Swing arm spring 111 CX-007-180800-0 098 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-098-080000-0 098 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 M10×30 228-120 C-200-490000-0 Vertical arm cap 228-121 C-200-390000-0 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 M10×25 098-148 CX-09 | 108 | S-000-030355-0 | O-seal 30X3.55 |
| 111 | 109 | CX-007-180600-0 | 098 Swing arm spring plate |
| 112 | 110 | C-007-180700-0 | 098 Swing arm spring |
| 113 S-000-05200-0 O-seal Ø 5.6X2 114 CX-098-080000-0 098 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 M10×30 228-120 C-200-490000-0 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 M10×25 098-148 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 178 B-040-061210-1 Flat washer Ø6 221-180 Complete | 111 | CX-007-180800-0 | 098 Swing arm plate washer |
| 114 CX-098-080000-0 098 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 M10×30 228-120 C-200-490000-0 Vertical arm cap 228-121 C-200-390000-0 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 M10×25 098-148 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 178 B-040-061210-1 Flat washer Ø6 221-180 | 112 | B-055-300002-0 | Snap ring Ø30(hole) |
| 115 | 113 | S-000-005200-0 | O-seal Ø 5.6X2 |
| 116 | 114 | CX-098-080000-0 | 098 Pneumatic lock barrel |
| 119 | 115 | B-010-060201-0 | Hex socket head bolt M6X20 |
| 228-120 C-200-490000-0 Vertical arm cap 228-121 C-200-390000-0 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 M10×25 098-148 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 178 B-040-061210-1 Flat washer Ø6 179 B-050-060000-0 Spring washer Ø6 221-180 Complete locking cylinder 221-183 S-005-050065-0 V-seal 60*50*6.5 221-184 S-000-05200-0 O- seal Ø 5.6*2 185 B-010-060551-0 Hex socket head bo | 116 | C-298-480000-0 | Locking plate cap |
| 228-121 C-200-390000-0 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 M10×25 098-148 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 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 Ø0*50*6.5 221-184 S-000-005200-0 O- seal Ø 5.6*2 185 B-010-060551-0 Hex socket | 119 | B-010-100301-0 | Hex socket head bolt M10×30 |
| 122 C-098-090000-0 Locking switch box 123 | 228-120 | C-200-490000-0 | Vertical arm cap |
| B-017-040301-0 Cross head screw M4*30 | 228-121 | C-200-390000-0 | Vertical arm spring |
| 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 M10×25 098-148 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 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 M6×55 221-186 CX-221-090200-0 Locking cylinder cover Ø 60 221-187 S-000-052200-0 O-Seal Ø52*2 188 B-001-160001-1 <td< td=""><td>122</td><td>C-098-090000-0</td><td>Locking switch box</td></td<> | 122 | C-098-090000-0 | Locking switch box |
| 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 M10×25 098-148 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-298-22000-0 Hex locking board 2011 178 B-040-061210-1 Flat washer Ø6 179 B-050-060000-0 Spring washer Ø6 221-180 Complete locking cylinder 221-181 C-221-090100-0 Locking cylinder piston 221-182 C-221-090100-0 V-seal 60*50*6.5 221-183 S-005-050065-0 V-seal Ø5.6*2 185 B-010-060551-0 Hex socket head bolt M6×55 221-186 CX-221-090200-0 Locking cylinder cover Ø 60 221-187 S-000-052200-0 O-Seal Ø52*2 188 B-001-160001-1 </td <td>123</td> <td>B-017-040301-0</td> <td>Cross head screw M4*30</td> | 123 | B-017-040301-0 | Cross head screw M4*30 |
| 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 M10×25 098-148 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-000-05200-0 O- seal Ø 5.6*2 185 B-010-060551-0 Hex socket head bolt M6×55 221-186 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-001-160 | 124 | S-030-010414-2 | Hand valve |
| 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 M10×25 098-148 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 M6×55 221-186 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-01-160001-1 Self-locking nut M16*1.5 221-198 <t< td=""><td>127</td><td>S-023-010801-0</td><td>Muffler 1/8"</td></t<> | 127 | S-023-010801-0 | Muffler 1/8" |
| 136 CX-200-170000-0 Mount/demount head flat washer 137 B-014-100251-0 Outer hex bolt M10×25 098-148 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 M6×55 221-186 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 Complete plastic | 221-133 | CX-221-160000-0 | Vertical arm |
| 137 B-014-100251-0 Outer hex bolt M10×25 098-148 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 M6×55 221-186 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 board spring 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head washer | 221-134 | C-228-520000-0 | Vertical arm washer |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 136 | CX-200-170000-0 | Mount/demount head flat washer |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 137 | B-014-100251-0 | Outer hex bolt M10×25 |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 098-148 | CX-098-080000-0 | 098 Pneumatic lock |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 166 | B-001-100001-0 | Self-locking nut M10 |
| 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-000-05200-0 O- seal Ø 5.6*2 185 B-010-060551-0 Hex socket head bolt M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 2011-169 | CX-298-22000-0 | Hex locking board 2011 |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 2011-170 | CX-211-180000-0 | Swing arm 2011 |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 178 | B-040-061210-1 | Flat washer Ø6 |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 179 | B-050-060000-0 | Spring washer Ø6 |
| 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 M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 221-180 | | Complete locking cylinder |
| 221-184 S-000-005200-0 O- seal Ø 5.6*2 185 B-010-060551-0 Hex socket head bolt M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-136 CX-293-150300-0 Mount/demount head washer | 221-182 | C-221-090100-0 | Locking cylinder piston |
| 185 B-010-060551-0 Hex socket head bolt M6×55 221-186 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 221-183 | S-005-050065-0 | V-seal 60*50*6.5 |
| 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 221-184 | S-000-005200-0 | O- seal Ø 5.6*2 |
| 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 185 | B-010-060551-0 | Hex socket head bolt M6×55 |
| 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 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 221-186 | CX-221-090200-0 | Locking cylinder cover Ø 60 |
| 189 B-001-160001-1 Self-locking nut M16*1.5 221-198 C-221-400000-0 Hex locking board spring 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 221-187 | S-000-052200-0 | O-Seal Ø52*2 |
| 221-198 C-221-400000-0 Hex locking board spring 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 188 | CX-098-030000-0 | Pressing arm pin (right) |
| 2093-135 CW-113-020930-5 Complete plastic mount/demount head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 189 | B-001-160001-1 | Self-locking nut M16*1.5 |
| 2093-135 CW-113-020930-5 head 2093-132 Plastic mount/demount head plate 2093-136 CX-293-150300-0 Mount/demount head washer | 221-198 | C-221-400000-0 | Hex locking board spring |
| 2093-136 CX-293-150300-0 Mount/demount head washer | 2093-135 | CW-113-020930-5 | |
| | 2093-132 | | Plastic mount/demount head plate |
| 2003-139 C-000-150100-0 Plastic mount/demount bood | 2093-136 | CX-293-150300-0 | Mount/demount head washer |
| 2000-100 C-000-100100-0 Flastic illoulit/deflioulit flead | 2093-139 | C-000-150100-0 | Plastic mount/demount head |
| 141 B-007-120161-0 Hex socket head bolt M12X16 | 141 | B-007-120161-0 | Hex socket head bolt M12X16 |
| 144 B-010-100201-0 Hex socket head bolt M10*20 | 144 | B-010-100201-0 | Hex socket head bolt M10*20 |



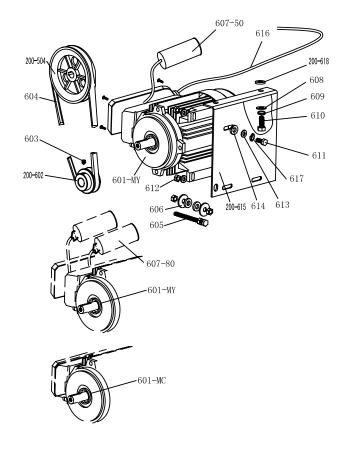
| 231-13 | C-231-360000-0 | Bead breaker arm spring | 231-332 | CX-231-030900-0 | Enlarge bead breaker arm rotating washer |
|---------|-----------------|------------------------------------|---------|-----------------|--|
| 301 | B-010-140301-0 | Hex socket head boltM14x30 | 231-333 | CX-231-030800-0 | Enlarge bead breaker arm rotating shaft |
| 303 | S-018-010408-0 | Union (90°) 1/4-Ø8 | 228-334 | | Self-locking nut |
| 304 | B-004-160001-1 | Nut M16*1.5 | 344 | B-001-080001-0 | Self-locking nut |
| 305 | B-040-162820-1 | Flat washer Ø16*28*2 | 350 | CW-112-209800-0 | Bead breaker cylinder exhaust valve |
| 306 | S-000-016265-0 | O-seal Ø 16*2.65 | 351 | S-012-010808-0 | Union 1/8-Ø8 |
| 307 | S-000-019262-0 | O-seal Ø 19.6*2.62 | 352 | C-098-600200-0 | Bead breaker cylinder exhaust valve cover |
| 200-310 | C-200-050100-0 | Bead breaker cylinder piston rod | 353 | C-098-600400-0 | Seal washer |
| 200-315 | CX-200-070000-0 | Bead breaker shovel assembly | 354 | C-098-600300-0 | Bidirectional seal |
| 316 | B-010-120901-0 | Hex socket head bolt M12×90 | 355 | C-098-600100-0 | Bead breaker cylinder exhaust valve barrel |
| 317 | B-004-160001-1 | Self-locking nut M16*1.5 | 356 | S-023-010401-6 | Muffler |
| 318 | U-006-000001-2 | Guide belt | 357 | S-010-010408-0 | Stright union 1/4- Ø8 |
| 319 | B-050-140000-0 | Spring washer Ø14 | 358 | CZ-298-050900-0 | Nylon sleeve |
| 320 | B-055-160001-0 | Snap ring Ø16 | 359 | S-005-0200075-0 | V-seal 20*28*7.5 |
| 321 | | Flat washer | 228-361 | CX-298-050500-0 | Bead breaker cylinder cover assembly |
| 231-322 | CX-231-030000-0 | Enlarge bead breaker arm 231 | 228-362 | S-000-195265-0 | O-seal Ø198*3.1 |
| 200-323 | CX-200-040000-0 | Bead breaker pin | 363 | S-005-200184-0 | Y-seal D200*184*12 |
| 200-324 | CX-200-050600-0 | Bead breaker cylinder rotating pin | 228-364 | C-298-050200-0 | Bead breaker cylinder piston D200 |
| 325 | B-040-122520-1 | Flat washer Ø12*24*2 | 228-365 | S-000-180500-0 | O-seal Ø180*5 |
| 326 | B-001-120001-0 | Self-locking M12 | 228-366 | C-298-051000-0 | Threaded connection rod |
| 327 | B-040-083030-1 | Flat washer Ø8*30*3 | 228-367 | C-298-050300-0 | Bead breaker cylinder barrel D200 |
| 328 | B-050-080000-0 | Spring washer Ø8 | 228-368 | C-298-051100-0 | Bead breaker cylinder back cover |
| 329 | B-014-080201-0 | Outer hex bolt M8x20 | 200-370 | C-200-070600-0 | Bead breaker shovel protection cover(optional) |
| 331 | B-001-160001-0 | Self-locking nut M16*1.75 | | | |



| 228-401 | CX-228-060400-0 | Reverse switch pedal | 428 | B-040-061210-1 | Flat washer Ø 6X12X1 |
|---------|-----------------|--|---------|-----------------|--------------------------------|
| 228-402 | CX-228-060300-0 | 5-way valve pedal(right) | 429 | B-040-040000-1 | Flat washer Ø 4 |
| 228-404 | CX-228-060200-0 | 5-way valve pedal(left) | 430 | B-024-040161-0 | Cross-round head screw M4*16 |
| 405 | B-055-120001-0 | Snap ring Ø12 | 200-431 | C-200-530000-0 | Reverse switch handle |
| 406 | B-040-122520-1 | Flat washer Ø12*24*2 | 432 | B-001-060001-0 | Self-locking nut M6 |
| 407 | B-024-040301-0 | Cross head screw M4X30 | 433 | B-040-030000-1 | Flat washer Ø3 |
| 408 | B-040-040000-1 | Flat washer Ø 4 | 434 | B-017-030161-0 | Cross head screw M3X18 |
| 409 | B-001-040001-0 | Self-locking nut M4 | 200-435 | CX-200-060600-0 | Pedal connection rod |
| 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 |
| 200-413 | C-200-060100-0 | Pedal suport 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 nion 1/8- Ø 8 |
| 200-416 | C-200-810000-0 | Cam washer | 445 | S-016-010808-2 | T-union1/8-2* Ø 8 |
| 417 | B-010-060201-0 | Hex socket head bolt M6×20 | 200-449 | C-200-060901-0 | 5-way valve (left) |
| 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,without valve rod | 453 | S-023-010801-0 | Muffler 1/8" |
| 423 | CW-110-020001-0 | Complete 5-way valve for bead breaker cylinder,without valve rod | 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 valver 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 | 459 | C2-000-103150-0 | Power suppler cable |
| 427 | B-010-060201-0 | Hex socket head bolt M6×20 | 616 | C2-000-205150-0 | Motor cable |
| | | | 203-480 | CW-109-020000-0 | Complete 3-pedals assembly 203 |

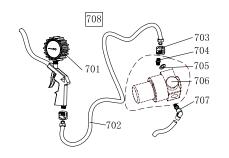


| 200-501 | C-300-320302-0 | Gear box lower cover |
|---------|-----------------|----------------------------|
| 502 | S-040-030204-0 | Bearing 30204 |
| 503 | S-005-020080-1 | Gear box seal φ 20*35*8 |
| 200-504 | C-200-320500-0 | Gear Belt pulley |
| 505 | B-014-080251-0 | Outer hex bolt M8×25 |
| 506 | B-065-006020-0 | Key washer 6×20 |
| 200-507 | C-200-320400-0 | Worm rod |
| 508 | S-040-006010-0 | Bearing 6010 |
| 200-509 | C-200-320200-0 | Worm gear shaft |
| 200-510 | C-200-320100-0 | Worm gear |
| 200-511 | CZ-200-320600-0 | Worm gear shaft spacer |
| 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 |
| 519 | B-065-010040-0 | Key washer 10×40 |
| 520 | B-065-014040-0 | Key washer 14×40 |
| 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 Ø8 |
| 525 | B-040-083030-1 | Flat washer Ø 8*30*3 |
| 200-526 | CW-107-020001-0 | Complete gear box |
| | | |

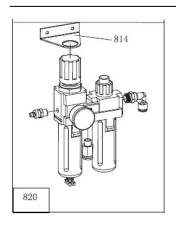


| 200-504 C-200-320500-0 Gear Belt pulley 601-MC S-050-220110-5 Motor 220V/50HZ 601-MY S-050-230075-0 Motor 220V 200-602 CX-200-330000-0 Motor Belt pulley 603 B-007-080121-0 Hex socket head bolt M8×12 604 S-042-000686-0 Tyre changer belt A-28 605 B-014-080651-0 Outer hex bolt M8X65 606 B-040-083030-1 Flat washer Ø8X30X3 607-80 S-063-008000-0 Capacitor 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 614 C-200-560000-0 Motor support 616 CZ-000-205150-0 Motor cable 5×1.0 | | | |
|--|---------|-----------------|----------------------------|
| 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 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 200-504 | C-200-320500-0 | Gear Belt pulley |
| 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 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 601-MC | S-050-220110-5 | Motor 220V/50HZ |
| 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 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 601-MY | S-050-230075-0 | Motor 220v |
| 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 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 200-602 | CX-200-330000-0 | Motor Belt pulley |
| 605 B-014-080651-0 Outer hex bolt M8X65 606 B-040-083030-1 Flat washer Ø8X30X3 607-80 S-063-008000-0 Capacitor 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 603 | B-007-080121-0 | Hex socket head bolt M8×12 |
| 606 B-040-083030-1 Flat washer Ø8X30X3 607-80 S-063-008000-0 Capacitor 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 604 | S-042-000686-0 | Tyre changer belt A-28 |
| 607-80 S-063-008000-0 Capacitor 80μ f,110V 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 605 | B-014-080651-0 | Outer hex bolt M8X65 |
| 607-50 S-063-005000-0 Capacitor 50μ f,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 φ 8X22X2 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 | 606 | B-040-083030-1 | Flat washer Ø8X30X3 |
| 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 φ 8X22X2 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 | 607-80 | S-063-008000-0 | Capacitor 80µ f,110V |
| 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 φ 8X22X2 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 | 607-50 | S-063-005000-0 | Capacitor 50µ f,220V |
| 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 φ 8X22X2 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 | 608 | B-040-102020-1 | Flat washer Ø10X20X2 |
| 611 B-014-080351-0 Outer hex bolt M8X35 612 B-004-080001-0 Nut M8 613 B-040-082220-1 Flat washer φ 8X22X2 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 | 609 | B-050-100000-0 | Spring washer Ø10 |
| 612 B-004-080001-0 Nut M8 613 B-040-082220-1 Flat washer φ 8X22X2 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 | 610 | B-014-100251-0 | Outer hex bolt M10X25 |
| 613 B-040-082220-1 Flat washer φ 8X22X2 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 | 611 | B-014-080351-0 | Outer hex bolt M8X35 |
| 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 | 612 | B-004-080001-0 | Nut M8 |
| 200-615 CX-200-340000-2 Motor support 616 CZ-000-205150-0 Motor cable 5×1.0 | 613 | B-040-082220-1 | Flat washer |
| 616 CZ-000-205150-0 Motor cable 5×1.0 | 614 | C-200-560000-0 | Motor rubber washer |
| | 200-615 | CX-200-340000-2 | Motor support |
| 047 D 050 000000 0 Coning weeks + 0 | 616 | CZ-000-205150-0 | Motor cable 5×1.0 |
| 617 B-050-080000-0 Spring wasner φ 8 | 617 | B-050-080000-0 | Spring washer ϕ 8 |
| 200-618 C-200-560000-0 Motor rubber buffer | 200-618 | C-200-560000-0 | Motor rubber buffer |

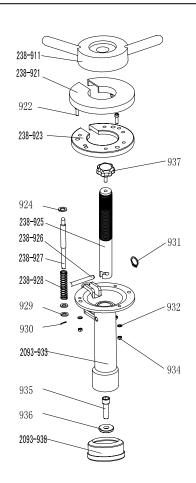
TC-1295 V1.0 20140124



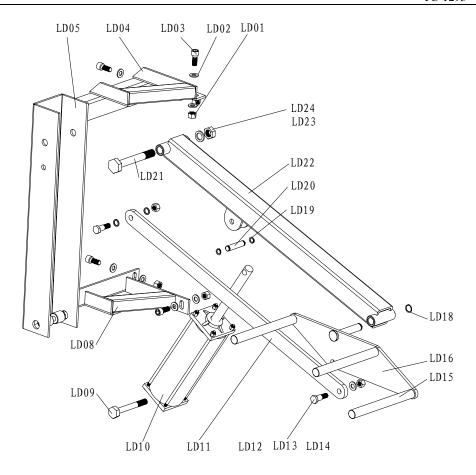
| 701 | S-038-000100-0 | Inflating gun indicator |
|-----|-----------------|-------------------------|
| 702 | S-035-014150-1 | Rubber connection hose |
| 703 | S-025-104008-0 | Notch nut |
| 704 | S-011-010414-1 | Straight union 1/4-1/4 |
| 705 | B-040-132420-1 | Flat washer Ø13 |
| 706 | S-030-010400-2 | Pressure adjust valve |
| 707 | S-012-010408-0 | Quick union 1/4-Ø8 |
| 708 | CW-090-000201-0 | Complete inflating gun |



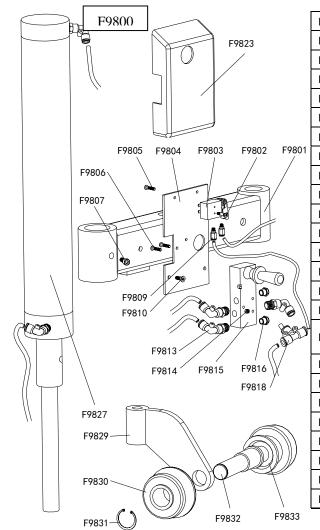
| 814 | C-200-011200-0 | Oil fog maker suport |
|-----|-----------------|-----------------------------|
| 820 | CW-114-035000-0 | Complete oil fog maker 3500 |



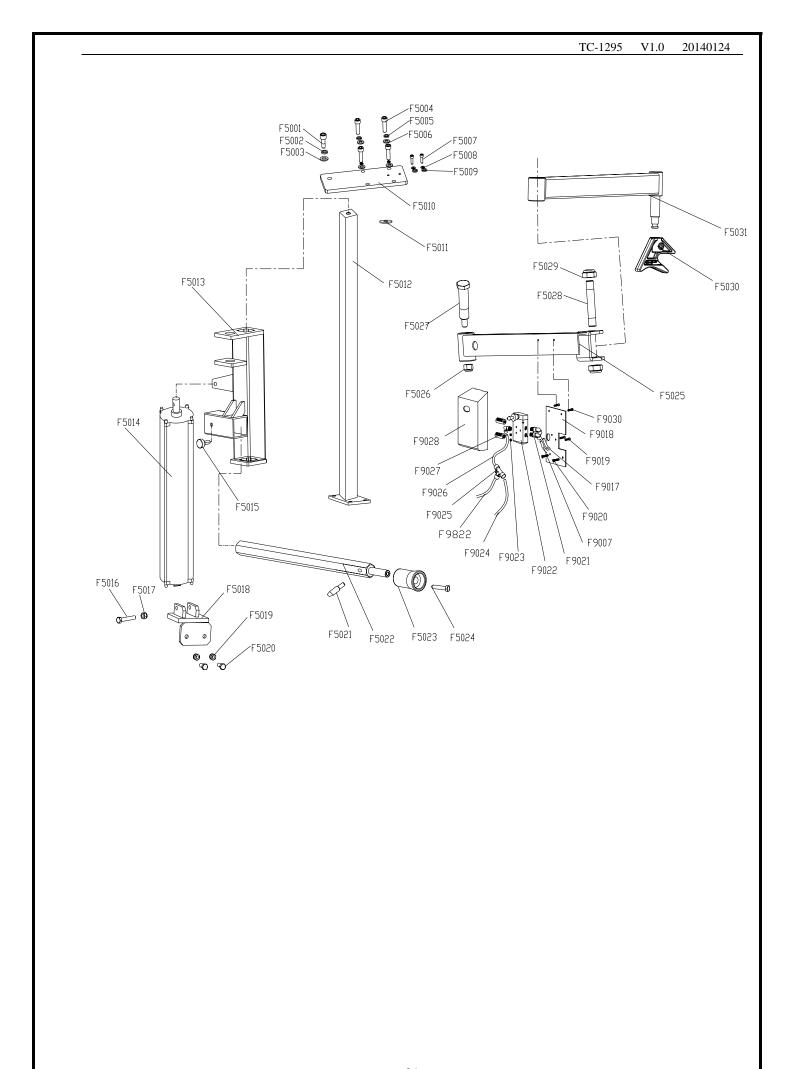
| 238-911 | CA-060-000238-0 | Quick release nut 238 |
|----------|-----------------|-----------------------------------|
| 238-921 | C-238-130800-0 | Rubber protection washer |
| 922 | B-010-080201-0 | Hex socket head bolt M8x20 |
| 238-923 | C-238-130700-0 | Tire installation plate cushion |
| 924 | CX-238-130300-0 | Retaining ring up |
| 238-925 | CX-238-131100-0 | Thread shaft |
| 238-926 | CX-238-131000-0 | Connection pin |
| 238-927 | CX-238-130200-0 | Auxiliary rotating rod |
| 238-928 | C-238-130400-0 | Outer spring |
| 929 | CX-238-130600-0 | Retaining ring down |
| 930 | B-070-020025-0 | Split pin 2X25 |
| 931 | B-055-080001-0 | Snap ring Ø8 |
| 932 | B-040-081820-1 | Flat washer Ø8 |
| 2093-933 | CX-238-130100-0 | Tire installation base |
| 934 | B-004-080001-1 | Nut M8 |
| 935 | | Hex socket head bolt(full thread) |
| 936 | | Flat washer Ø16 |
| 937 | C-238-201501-0 | Adjust handle |
| 2093-938 | | Protection cover |



| LD01 | B-004-100001-0 | Nut M10 |
|------|-----------------|-----------------------------|
| LD02 | B-040-102020-1 | Flat washer Ø10 |
| LD03 | B-010-100251-0 | Hex socket head bolt M10×25 |
| LD04 | CC-0LD-020000-0 | Complete up suport |
| LD05 | CX-0LD-010100-0 | Tire lifting suport |
| LD08 | CC-0LD-030000-0 | Complete down suport |
| LD09 | B-014-121101-0 | Outer hex bolt M12×110 |
| LD10 | CA-005-000001-D | Complete rise-fall cylinder |
| LD11 | CX-0LD-010500-0 | Suport rod |
| LD12 | C-0LD-010406-0 | connection bolt |
| LD13 | B-040-102020-1 | Flat washer Ø10 |
| LD14 | B-004-100001-0 | Nut M10 |
| LD15 | CC-0LD-060300-0 | Tire lifting rod |
| LD16 | CC-0LD-060100-0 | Tire lifting suport board |
| LD18 | B-055-160001-0 | Snap ring Ø16 |
| LD20 | CX-0LD-010405-0 | Rise-fall pin |
| LD21 | B-014-161201-0 | Outer hex bolt M16×120 |
| LD22 | CX-0LD-010400-0 | Lifting arm |
| LD23 | B-001-160001-0 | Self-locking nut M16 |
| LD24 | B-040-162820-1 | Flat washer Ø16 |



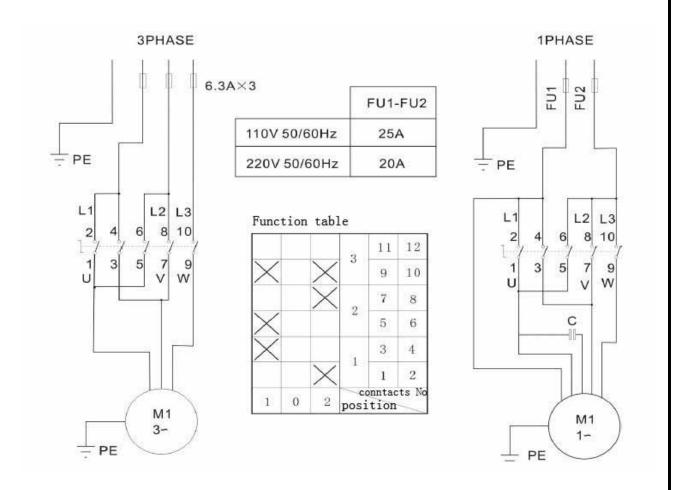
| F9801 | CX-098-020000-0 | 098 Pressing arm(right) | | |
|-------|-----------------|--------------------------------------|--|--|
| F9802 | B-024-050101-1 | Cross head Screw M5X10 | | |
| F9803 | S-030-010414-0 | Pneumatic valve | | |
| F9804 | CX-005-200000-0 | Raise-fall switch base plate | | |
| 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 (brass) | | |
| F9817 | S-012-010406-0 | L-union 1/4-φ 6 | | |
| 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 (right) | | |
| F9827 | CA-005-209800-2 | Complete 098 cylinder | | |
| F9828 | S-012-010406-0 | Quick Union 1/4-Ø6 | | |
| F9829 | CX-098-040000-0 | Pressing roller bracket suport | | |
| 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 | | Complete 098 help arm | | |



| F5001 | B-010-120401-0 | Hex socket head bolt M12X40 | F5016 | B-014-100601-0 | Outer hex bolt M10X16 |
|-------|-----------------|--------------------------------|-------|-----------------|-----------------------------|
| F5002 | B-040-122520-1 | Flat washer Ø12X24X2 | F5017 | B-001-100001-0 | Self lock nut M10 |
| F5003 | | Spring washer /Ø12 | F5018 | CX-099-040102-0 | Base |
| F5004 | B-010-100401-0 | Hex socket head bolt M10X40 | F5019 | B-001-100001-0 | Self lock nut M10 |
| F5005 | B-040-102020-1 | Flat washer Ø10 | F5020 | B-010-100401-0 | Hex socket head bolt M10X40 |
| F5006 | B-050-100000-0 | Spring washer Ø10 | F5021 | | Thrust handle |
| F5007 | B-010-060201-0 | Hex socket head bolt M6X20 | F5022 | C-200-580000-0 | Lifting lever |
| F5008 | B-040-061210-1 | Flat washer Ø6 | F5023 | CZ-099-040104-2 | Tire pressing ruller |
| | | | | B-010-100251-0 | Hex socket head bolt |
| F5009 | | Spring washer Ø6 | F5024 | | M10X25 |
| F5010 | CX-005-020000-B | Tire pressing arm bottom plate | F5025 | CX-005-030000-B | Tire pressing arm 005B |
| F5011 | | Flat washer Ø12 | F5026 | B-001-160001-0 | Self lock nut M16 |
| F5012 | CX-099-040101-0 | Column | F5027 | CX-005-050000-B | Tire pressing arm pin |
| F5013 | CX-005-010200-B | Raise-fall sleeve | F5028 | CX-036-050000-0 | Connection bolt |
| F5014 | C-005-120000-0 | Raise-fall cylinder | F5029 | B-001-160001-0 | Self-lock nut M16 |
| F5015 | CX-200-230000-0 | Locking handle | F5030 | C-008-090100-0 | Tire pressing head (upper) |
| | | | F5031 | CX-005-040000-B | Tire pressing arm connector |

| F9007 | S-035-060040-1 | Air hose (PU)6*4 |
|-------|-----------------|------------------------------|
| F9017 | S-035-060040-1 | Air hose (PU)6*4 |
| F9018 | CX-005-200000-0 | Raise-fall switch baseboard |
| F9019 | B-017-040301-0 | Cross- flat head screw M4*30 |
| F9020 | B-024-050161-1 | Cross round head screw M5*16 |
| F9021 | S-012-010406-0 | Quick union 1/4-φ6 |
| F9022 | S-030-010818-0 | Handle valve 4H230L-08 |
| F9023 | B-004-040001-1 | Nut M4 |
| F9024 | S-035-060040-1 | Air hose (PU)6*4 |
| F9025 | S-015-000006-3 | T-union 3-φ6 |
| F9026 | S-035-060040-1 | Air hose (PU)6*4 |
| F9027 | S-023-010801-0 | Muffle1/8 |
| F9028 | C-007-181000-0 | Control valve cover |
| F9030 | B-017-040161-0 | Cross- flat head screw M4*16 |

17. Circuit diagram



18. Pneumatic drawing

