

USER MANUAL

Tyre changer

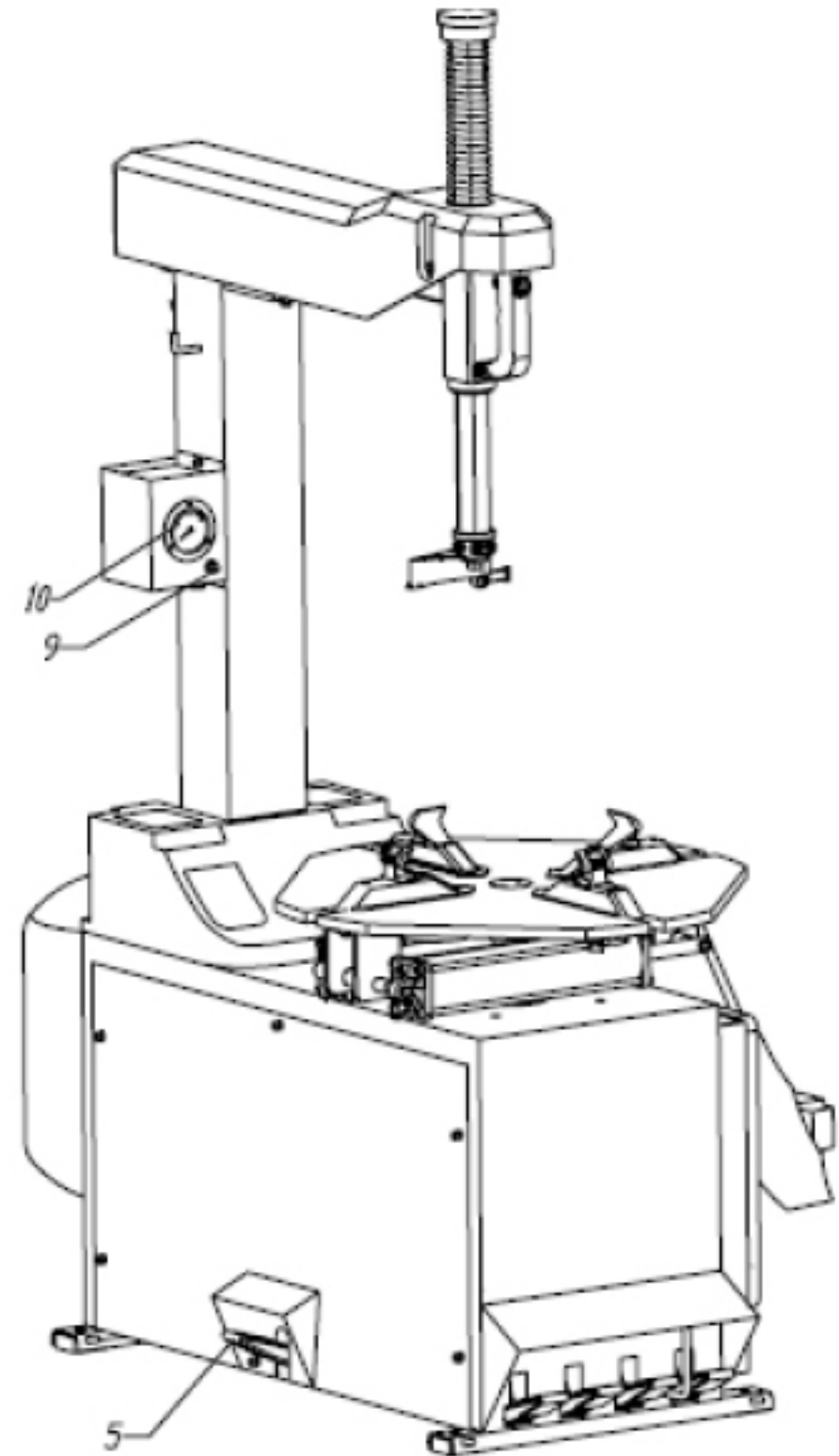
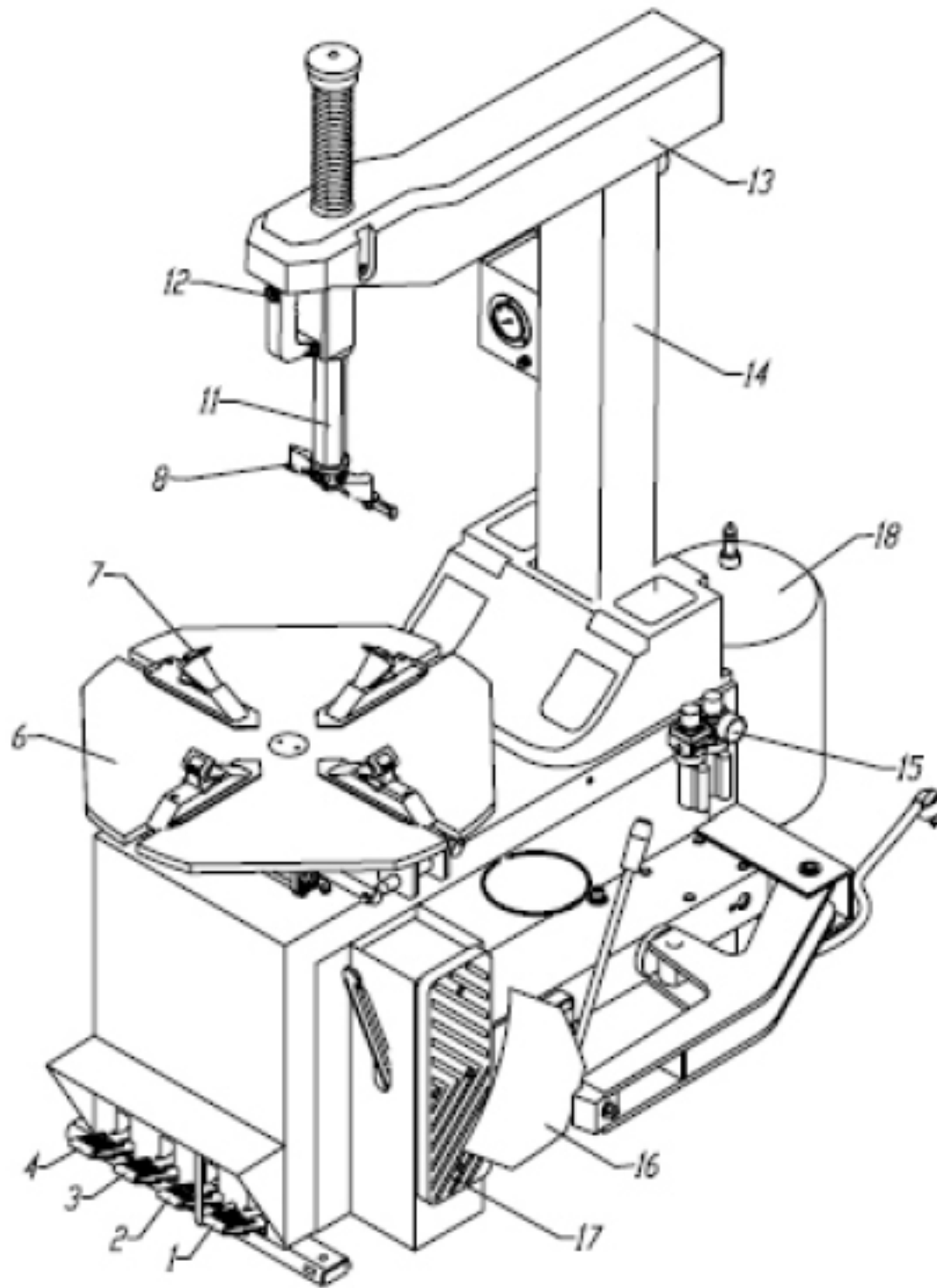
BLS-TC530+HL160



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1 SUMMARY



1. Reverse Control Pedal
2. Bead Breaker Control Pedal
3. Clamp Control Pedal
4. Tilt Pedal
5. Inflating Pedal & Blaster
6. Turntable
7. Clamps
8. Mounting Head
9. Deflating Button

10. Air Pressure Gauge
11. Mounting Arm
12. Locking Button
13. Horizontal Arm
14. Vertical Arm
15. Filter/Regulator/Lubricator
16. Bead Breaker
17. Wheel Support
18. Blaster Reservoir

1.1 Technical data	1.2 Range of Application
Bead breaker force: 2500kg	Max diameter: 45" / 1150 mm
Operating pressure: 110-130 PSI	Max width : 13" / 330 mm
Power supply voltage: 110-120VAC	Rim clamping outside: 12"-24"
Motor power: 1.5 HP	Rim clamping inside: 14"-26"
Frequency: 60Hz	
Current: 9.4 A	
Noise level in working conditions: <70dB	

1.3 Intended Use

This tire changer has been designed and manufactured exclusively for demounting and mounting tires from passenger and light truck wheels from 12 to 26 inches and with the maximum diameter of 45". Any other use is to be considered incorrect and unreasonable. The manufacturer can not be held responsible for any damage caused through the use of this tire changer for purposes other than those specified in this manual.

1.4 Safety Precautions

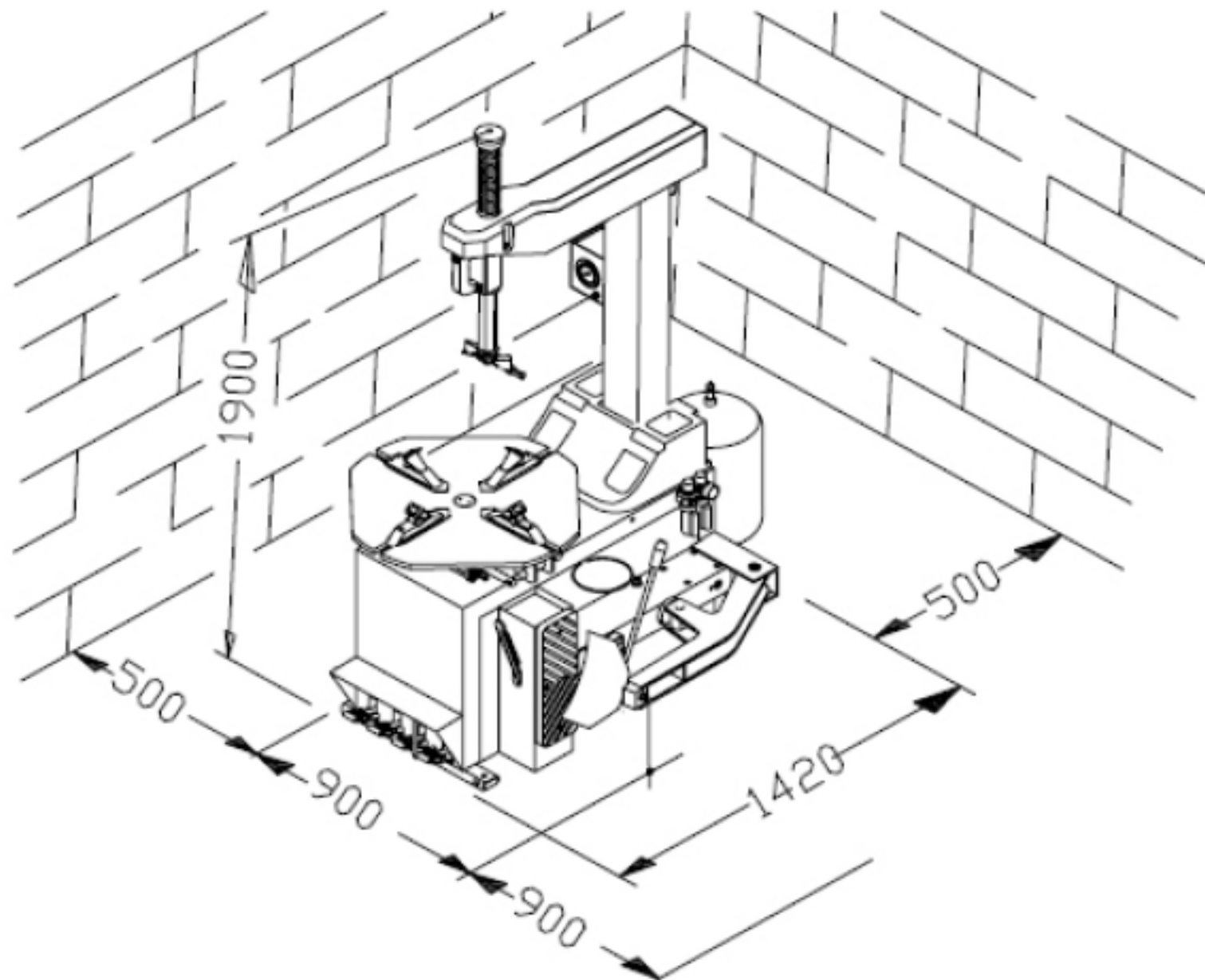
The tire changer should only be operated by trained and authorized personnel. Any tampering and/or modifications to the equipment carried out without the manufacturer's prior authorization will void all warranty. Keep the machine away from combustible, explosive objectives. Avoid strong light and sunshine. Good ventilation is needed. The operator must keep the site clean and tidy. Make sure to use original spare parts and accessories. Unauthorized personnel should be kept away from the machine. Operator should be protected by protective equipments comply with EU safety rules (gloves, safety glasses, ear protection and safety footwear) to avoid any accidental injuries.



Operator must observe the filter regulator and lubricator, to make sure it supplies oil to the system daily.

2.1 Space Required

When choosing the place of installation, make sure that it complies with current safety work regulations. This machine must be connected to an electrical power outlet and the compressed air system. Therefore it is advisable to install the machine near these power sources. (The use of extension cords should be kept to a minimal). The place of installation must have more than adequate space shown in the figure below so that it may allow all parts of the machine to operate correctly and without any restriction. If the machine is installed outside, it must be protected from the elements.



2.2 Vertical Arm Installation (figure 2-2)

1. Unscrew the screws (1), washers (2) and cover (3).
2. Remove bolt (4), lock washer (5) and flat washer (6) and pivot pin (7).
3. Remove the snap ring (8) and cylinder pin (9).
4. Put the vertical arm on the base (be careful to insert the hose (10) from the vertical arm into the hole on the base first).
5. Reinstall the pivot pin (7), washer (6), lock washer (5) and bolt (4). (Apply anti-seize compound to the pivot pin before installing to aid in reinstalling)
6. Put the cylinder pin (9) through the cylinder shaft and vertical arm. Lock it in place with the snap ring.
7. Mount the cover (3), washers (2) and screws (1).
8. Remove the side panel, and connect the hose from the vertical arm to the only open fitting inside the base

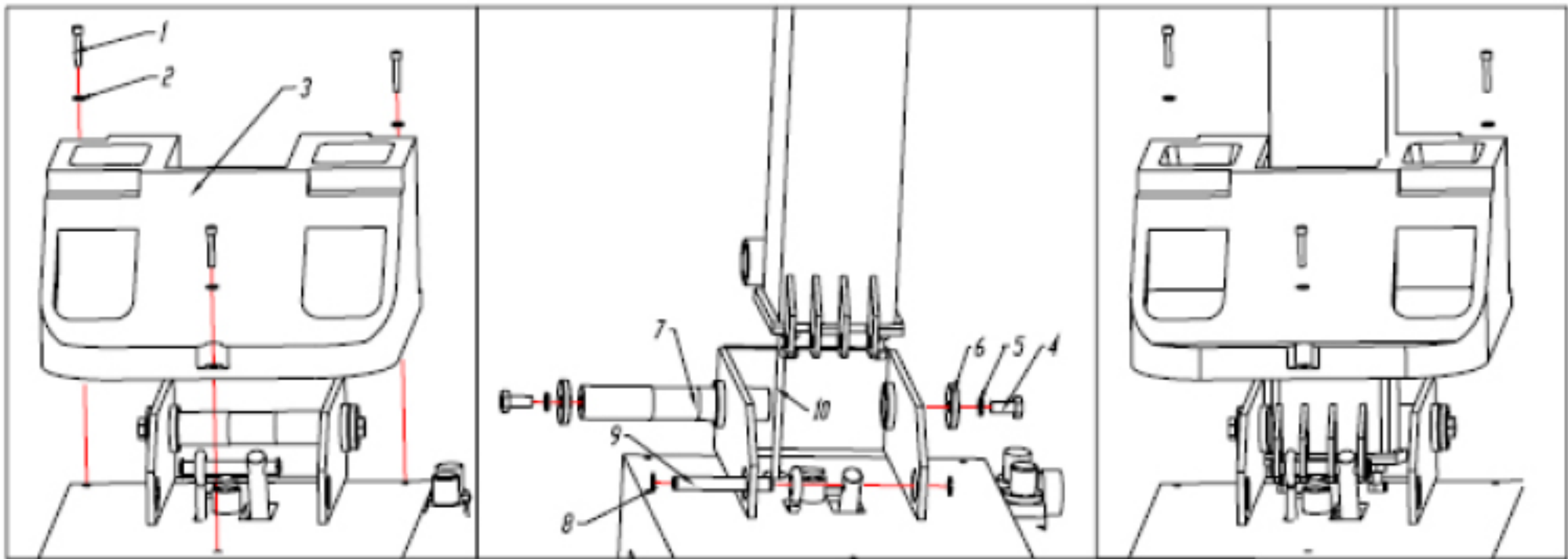


Figure 2-2

2.3 Spring Installation (figure 2-3)

1. Hold up the mounting arm (hex bar) all the way up, dismantle screw (1), cap (2), mount the spring (3) and retighten screw (1).

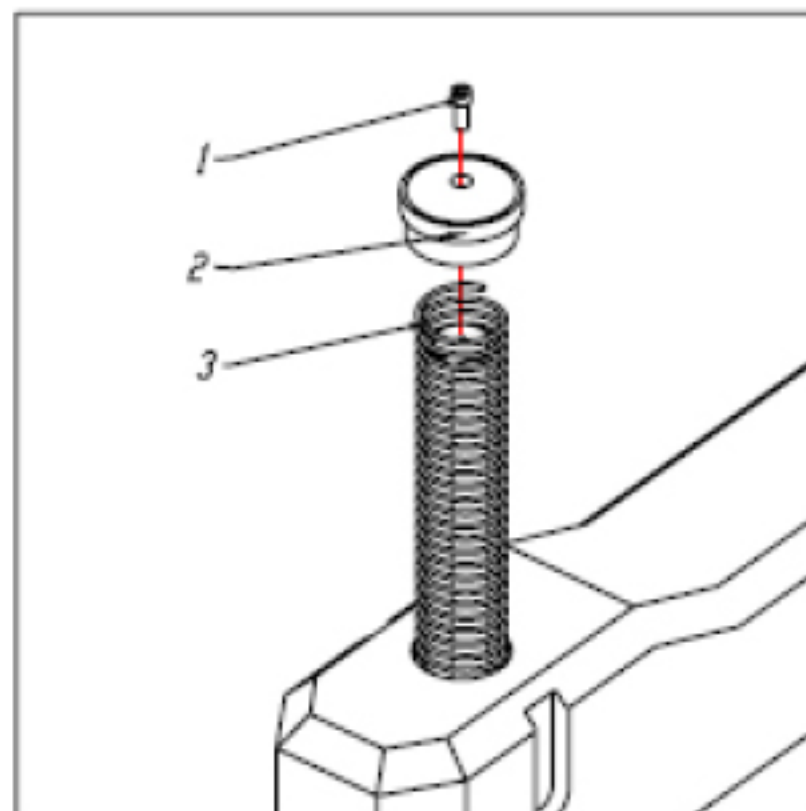


Figure 2-3

2.4 Bead Breaker Installation

1. Set the bead breaker pad to position then install the screws (1), washer (2) to the cabinet base. (Figure 2-4).
2. Tighten lock nut (1) and spring washer (2) to mount the Bead Breaker Blade (Figure 2-5).

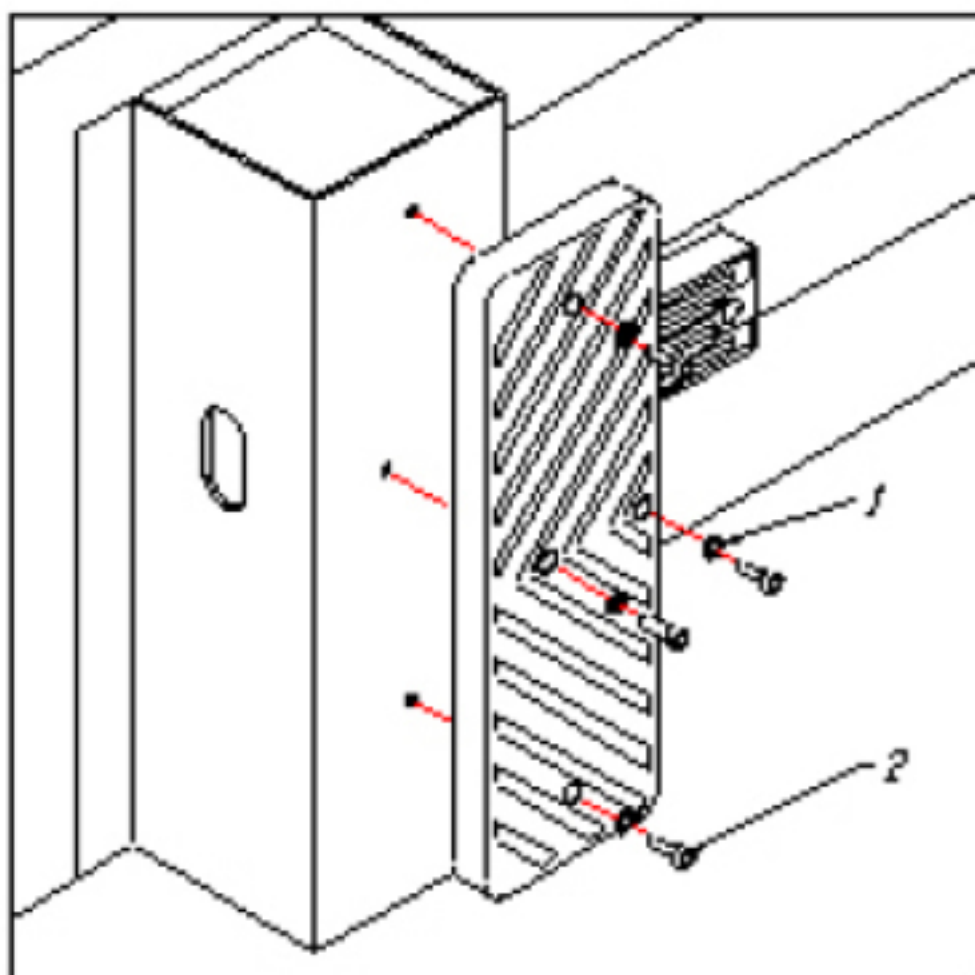


Figure 2-4

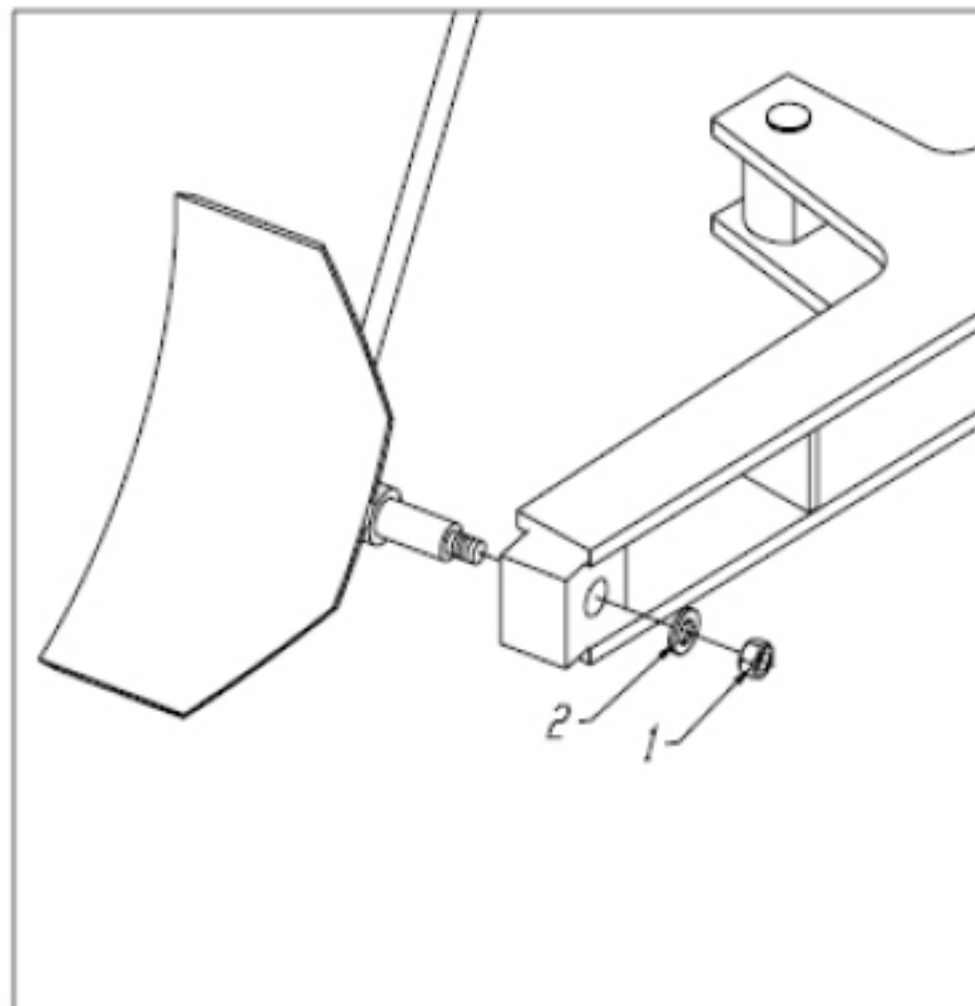


Figure 2-5

2.5 Blaster Reservoir (Optional)

1. Loosen the bolts (1), attach the air tank and retighten it.
2. With the side panel still removed, connect the hose to the nozzle on the air tank.

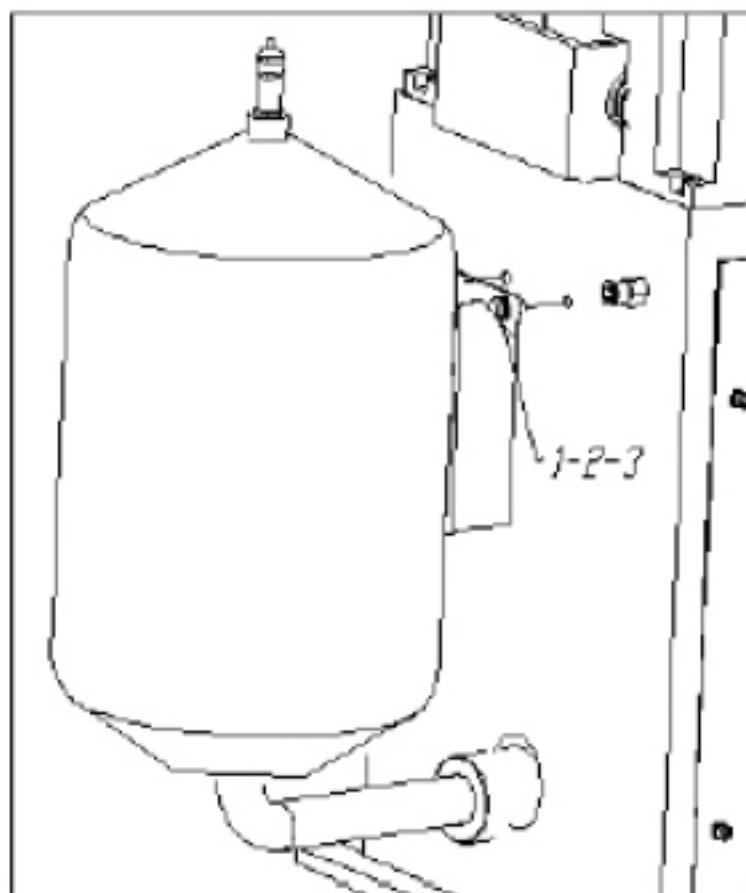


Figure 2-6 Blaster Reservoir

2.6 Mounting The Gauge Box

1. Mount the gauge box to the vertical arm with screw (1) and washer (2).
2. Connect the hose (3) to the connector (4), located at the back of the machine.

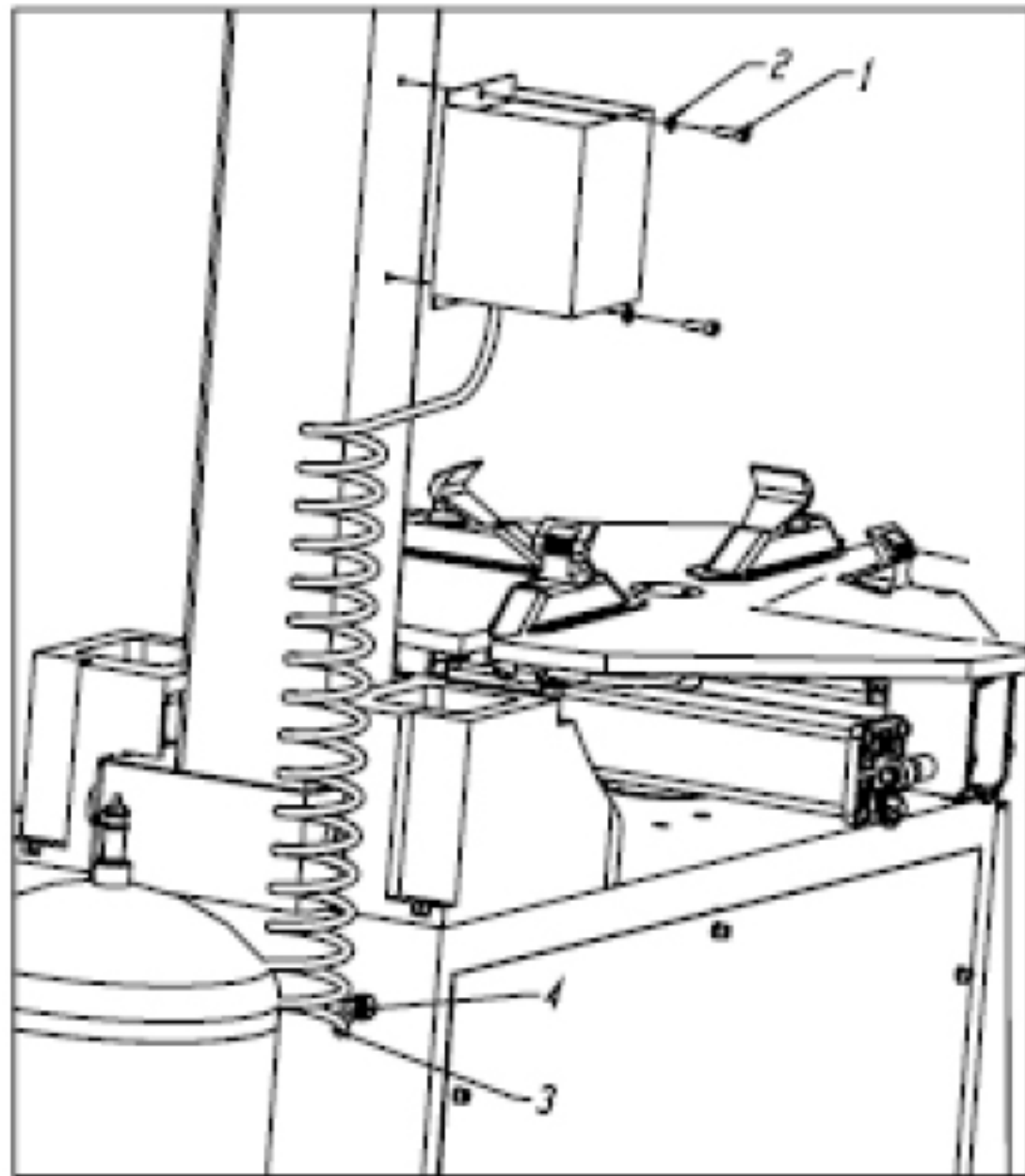


Figure 2-7 (Gauge Box)

2.7 Electrical Connections

Before plugging it in, ensure that the power outlet's line, neutral and ground are all working properly and have a good contact. A good ground socket in compliance with regulations and must be connected to an automatic circuit breaker (15A). Even small jobs done on the electrical system must be carried out by trained personnel.

3.1 Operation

Don't use the machine until you have read and understood the entire manual and the warnings contained in the manual.

The operation of the tire changer is divided into three parts:

1. Breaking the bead
2. Demounting the tire
3. Mounting the tire

Before carrying out any operation, deflate the tire and take off all wheel balancing weights.

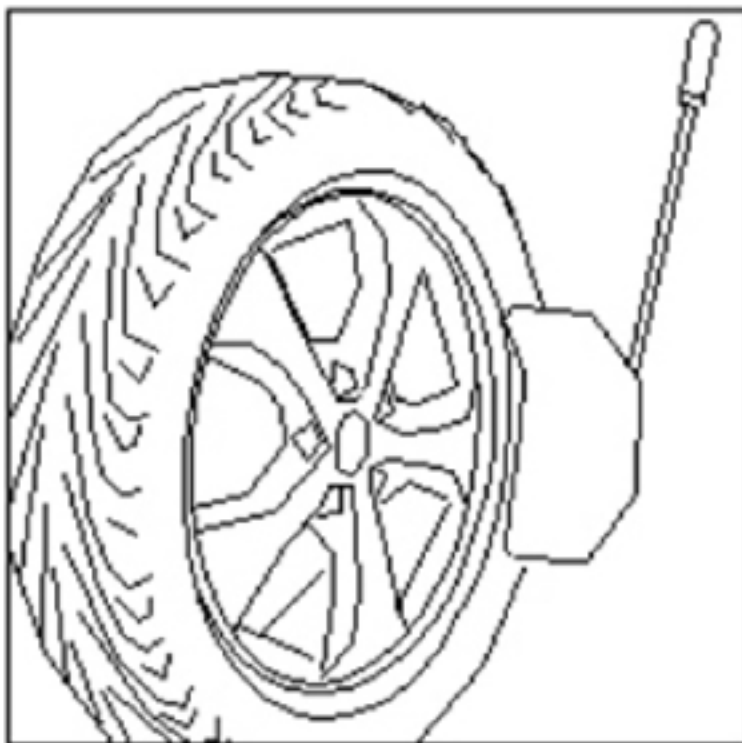
3.2 Breaking the Bead

Note: When the bead breaker pedal is operated, the bead breaker arm moves quickly and powerfully. Anything within the range of the bead breaker arm can be in the danger of being crushed.

1. Check whether the tire is deflated or not.
2. Close the turntable clamps completely.

Note: Breaking the bead with the clamps in the open position can be extremely dangerous for the operator's hands. During bead breaking operations, never touch the side of the tire.

3. Position the wheel against the rubber pad on the right side of the tire changer.
4. Position the bead breaking blade against the tire bead at a distance of about 1cm from the rim. Pay attention to the blade, which must be positioned onto the tire and not the rim.
5. Press down the pedal to activate the bead breaker and release it when the blade has reached the end of its travel or when the bead is broken.
6. Rotate the tire slightly and repeat the operation around the entire circumference of the rim and both sides until the bead is completely detached from the rim.



Breaking the bead



Applying lube after breaking

3.3 Demounting the Tire

Note: Before any operations remove the old wheel balancing weights and check that the tire is deflated. Failure to use lubrication risks causing serious damage to the tire bead.

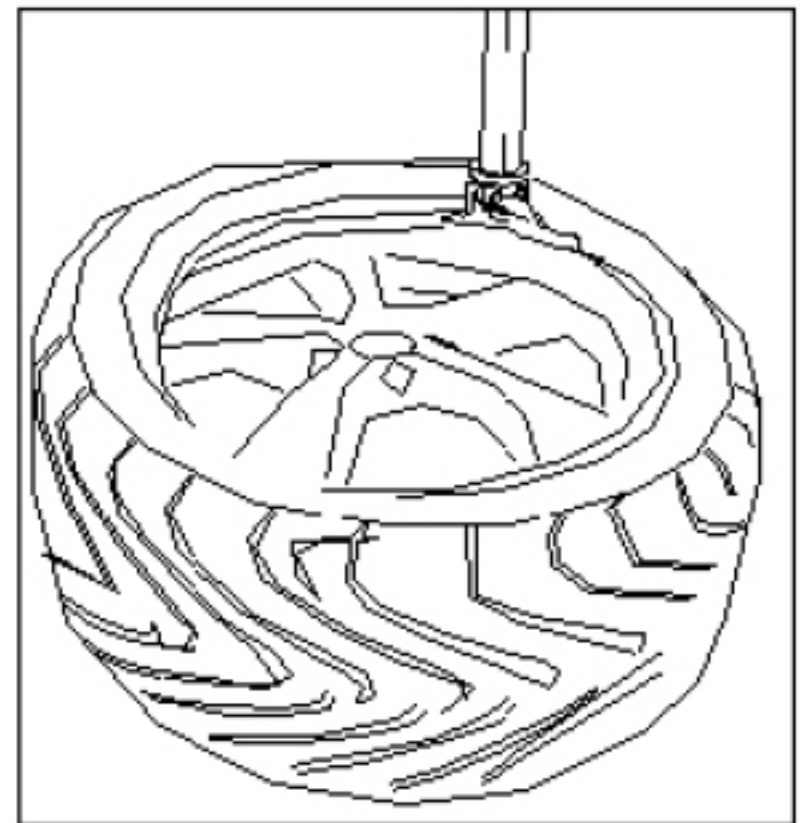
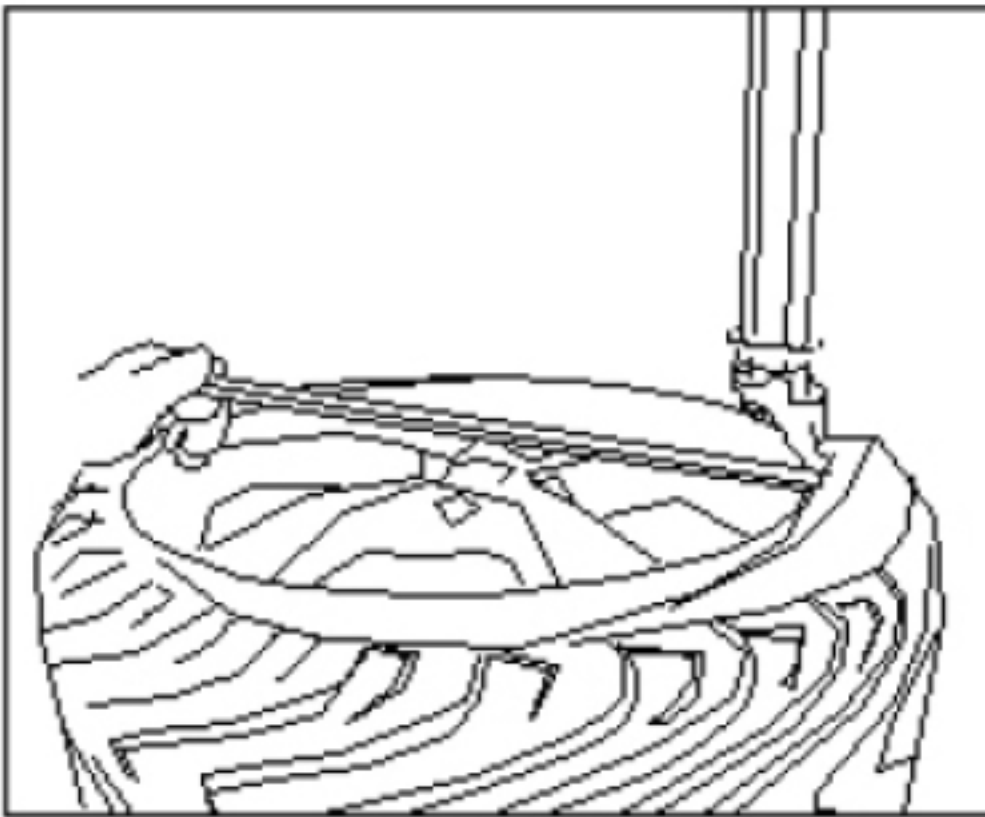
1. Spread the lubrication onto the tire bead.

Outside Rim Clamping:

- a. Position the clamps to correspond with the rim size and the gauge on the turntable by pressing the rim clamp pedal down halfway.
- b. Place the tire on the clamps and, keeping the rim pressed down, press the rim clamp pedal to its lock position.

Inside Rim Clamping:

- a. Position the clamps so that they are completely closed.
 - b. Place the tire on the clamps and press down the pedal to open the clamps.
2. Press the tilt pedal, to restore the vertical arm to its working position .
 3. Push the locking button back, to release the mounting arm.
 4. Lower the mounting bar and position it until the mounting head rest against the edge of the rim and lock it by pushing in the locking button. This way the mounting bar is locked in a vertical and horizontal direction and the mounting head is automatically moved upwards and forward a distance of about 2-3mm from the rim.
 5. With the lever between the bead and the front section of the mounting head, move the tire bead over the mounting head.
 6. With the lever held in this position, rotate the turntable in a clockwise direction by pressing down on the pedal until the tire is completely separated from the wheel rim.
 7. Repeat for the other tire bead.



Demounting the tire

3.4 Mounting the Tire

Warning: Before beginning mounting operation make sure that:

- a. The tire and the cord fabric are not damaged. If you find any defects, do not mount the tire.
- b. The rim is without dents and is not warped. Pay attention to alloy rims, dents cause internal micro-cracks not visible to the naked eye. This can compromise the rim and also be the source of danger especially during inflation.
- c. The diameter of the rim and tire are exactly the same. Never try to mount a tire on a rim if you cannot identify the diameter of either.
- d. Lubricate the tire beads with lubrication in order to avoid damaging them and to facilitate the mounting operations.

NOTE: When you are working with the rims of the same size, it is not always necessary to lock and unlock the mounting bar. Just tilt the horizontal arm back and forth with the horizontal and mounting bar locked.

1. Move the tire so that the bead passes below the front section of the mounting head and is brought up against the edge of the rear section of the mounting head itself.
2. Keep the tire bead pressed down into the drop center with your hands, press down on the pedal to rotate the turntable clockwise. Continue until you have covered the whole circumference of the wheel rim.

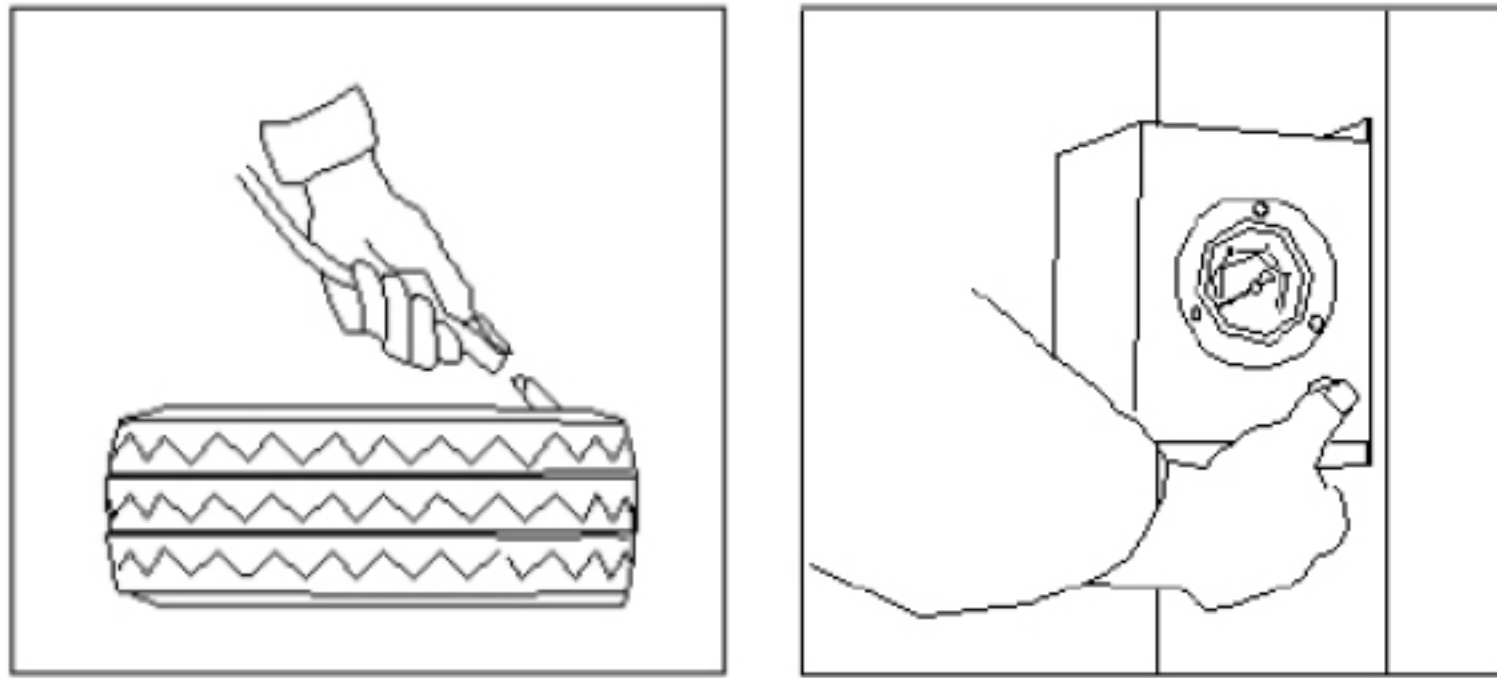
NOTE: Dismounting and mounting are always done with the clockwise turntable rotation. Anticlockwise rotation is used only to correct operator's errors or if the turntable stalls.

3.5 Inflating

Pay close attention when inflating the tires. Follow the instructions carefully for the tire changer is not designed and nor built to protect the user (or anyone else in the vicinity of the machine) if the tire explodes.

Note:

- a. A tire exploding can cause serious injury or even death to the operator.
 - b. Carefully check that the wheel rim and the tire are of the same size.
 - c. Check the state of wear of the tire and that it has no defects before beginning the installation stage.
 - d. Inflate the tire with brief blasts of air. Check the pressure after every blast.
 - e. Maximum inflating pressure is 50psi. In any case never exceed the pressure recommended by the manufacturer.
 - f. If a higher inflating pressure is required, remove the wheel from the turntable and continue the inflation inside a special tire inflation cage (optional accessory).
1. Lock the wheel on the turntable and connect the inflation head to the tire valve.
 2. Check to be certain that rim and beads are sufficiently lubricated. If necessary lubricate some more.
 3. Make a last check to be certain the tire and rim diameter corresponds. Press the pedal down halfway, for direct inflating.
 4. If the bead of tire is not well seated, due to a strong bead, lift tire manually until the upper bead seals against the rim, then press the pedal all the way down, a strong blast of air will be released through the nozzles in the slides and this will help seal the bead.
 5. Release the tire, set the pedal to the halfway position, and continue to inflate the tire and constantly check the pressure until the required pressure has been reached.
 6. If the tire pressure is higher than desired, press the button beside the gauge, it will release extra air.



Inflating and Deflating the tire

4.1 Storage

In the event that the machine needs to be stored for long periods of time make sure to disconnect all sources of power and lubricate the clamp sliding guides on the turntable to prevent rusting.

5.1 General warning

Unauthorized personnel may not carry out maintenance work. Regular maintenance as described in this manual are essential for correct operation and long lifetime of the tire changer.

- If maintenance is not carried out regularly, the operation and reliability of the machine may be compromised, thus placing the operator and anyone else in the vicinity at risk.

Before carrying out any maintenance work, disconnect the electric and pneumatic supply. Ensure that there is no more pressure in the system before removing any lines

- Defective parts must be replaced exclusively with original replacement parts offered by manufacturer.
- Removing or tampering with safety devices (pressure limiting and regulating valves) represents a contravention of safety regulations.

The manufacturer shall not be held responsible for complaints deriving from the use of spare parts made by other manufacturers or for damage caused by tampering or removal of safety systems.

5.2 Maintenance

Clean the turntable once a week with solvent to prevent the formation of dirt and reapply grease on the clamp sliding guides. Carry out the following operations at least once every 30 days:

- a. Check the oil level in the lubricator tank. If necessary, fill up by unscrewing screw 1. (Figure 5-1)
- b. Check if there is a drop of oil dripping every 2-3 times the bead breaker pedal is pressed down. If not, adjust the flow by turning screw 2. (Figure 5-1).
- c. Retighten the clamp tightening screws (1) and the screws on the turntable sliders (2) (figure 5-2)

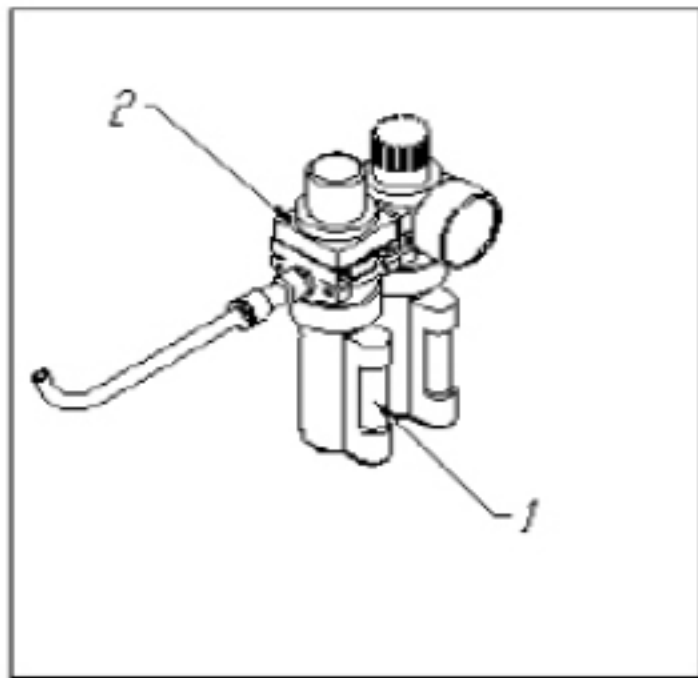


Figure 5-1

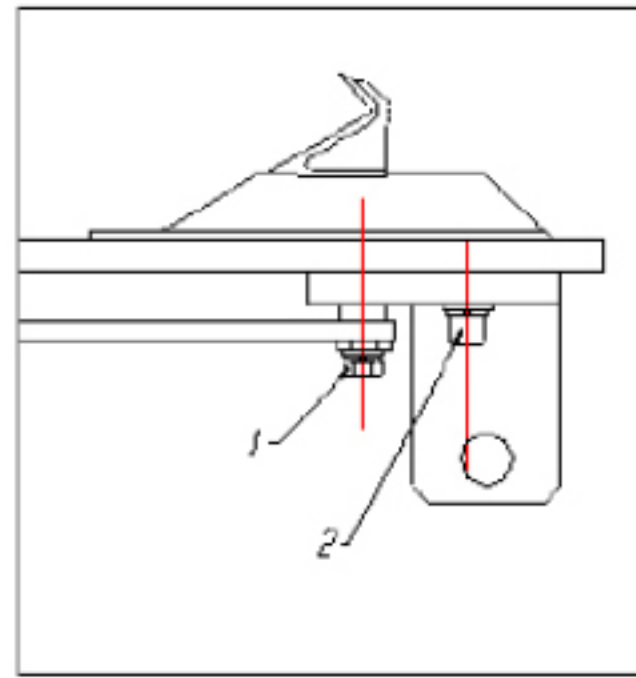


Figure 5-2

If the turntable doesn't work, it may be caused by loose drive belt, check it by the following:

- a. Before any operations disconnect the electric power supplies.
- b. Remove the left side body panel of the tire changer.
- c. Tighten the drive belt by means of the special adjusting screw (1) on the motor support until the belt move 8mm when adding a stress of 8kg on the belt. (Figure 5-3)

It is necessary to adjust the screw (1) in the locking plate of the mounting arm, if the mounting head doesn't lock or it doesn't rise from the rim of 2mm necessary for working. (Figure 5-4)

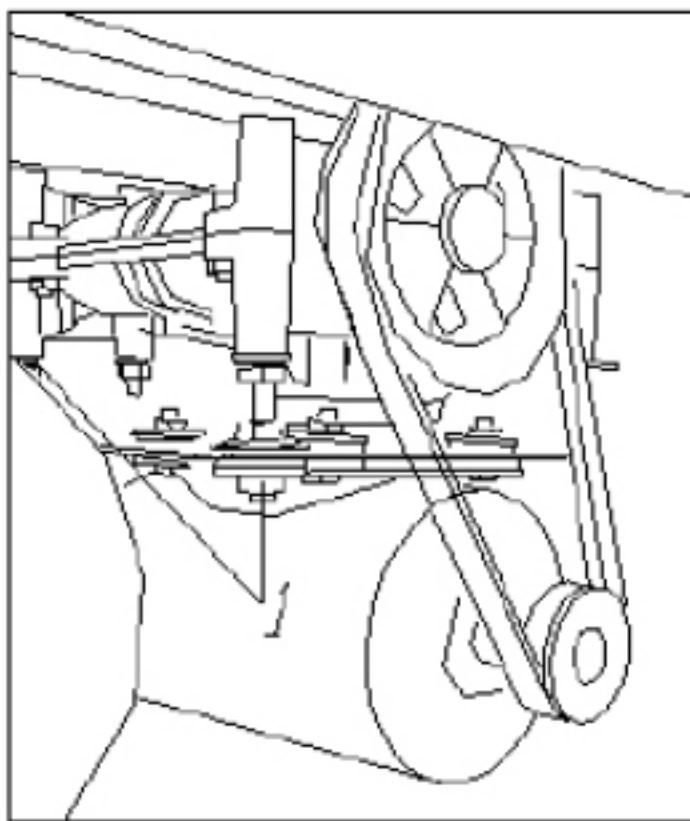


Figure 5-3

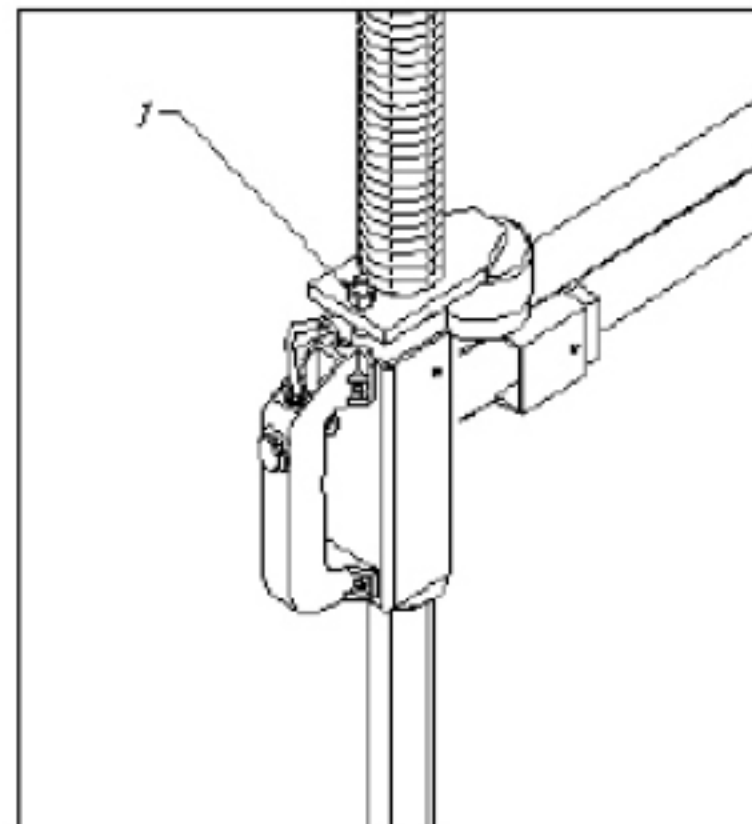


Figure 5-4

If the rim clamp or bead breaker movement becomes slow, it may be necessary to clean or replace the silencer on the valve body, and proceed as follows:(figure 5-5)

- a. Remove the left side body panel of the tire changer.
- b. Unscrew the silencers on the rim clamp pedal.
- c. Clean with solvent and compressed air. The silencer should be replaced if cleaning alone does not remove the dirt or if it is damaged.

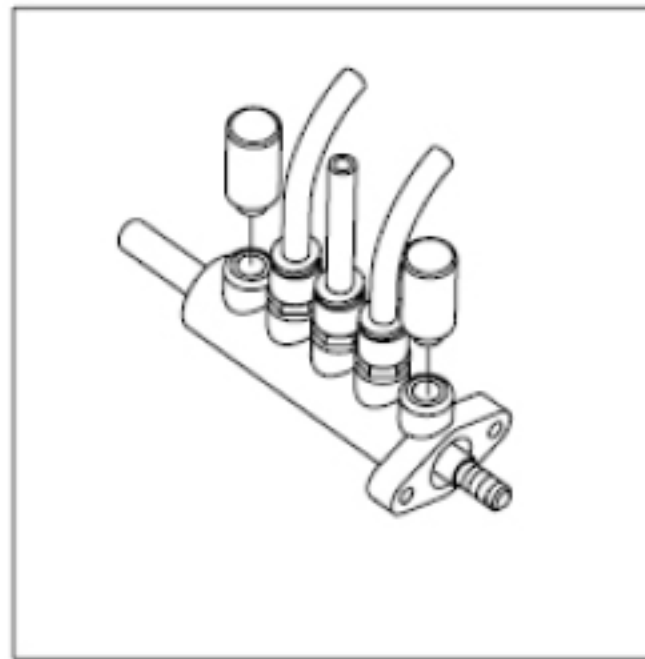


Figure 5-5

Oil Table	
Gear box Oil Type	Pneumatic Oil Type
ESSO SPARTAN EP460	ESSO FEBIS K32
ISO 460	ISO 32
DIN 51502-CLP	
ISO 34-98-CC	

6.1 Trouble shooting

Malfunction	Cause	Possible remedies
The turntable does not rotate in any direction	<ol style="list-style-type: none"> 1. The electrical supply not plugged in. 2. Incorrect plug connection 3. Electrical tension is incorrect 4. Belt broken 5. Reverser faulty 6. Problem with motor position 	<ol style="list-style-type: none"> 1. check the correct insertion of the plug and its connections 2. see 5.4 3. see 5.4 4. replace belt 5. replace reverser 6. replace motor
The turntable rotates but lacks power	<ol style="list-style-type: none"> 1. electrical tension is incorrect 2. belt loose 	<ol style="list-style-type: none"> 1. see 5.4 2. Tighten the belt. see 11.2
The jaws does not lock the wheel correctly	<ol style="list-style-type: none"> 1. The pneumatic supply has not been connected to the machine 2. Pneumatic supply pressure is too low 3. Pressure regulator closed or incorrectly adjusted 4. Silencer clogged 5. Problem with cylinder 	<ol style="list-style-type: none"> 1. Connect the pneumatic system 2. Adjust the compressor air pressure. 3. Activate or correct the adjustment of the pressure regulator 4. Clean or replace the silencer 5. Replace the cylinder gaskets
The bead breaker does not have sufficient power to break the bead.	<ol style="list-style-type: none"> 1. The pneumatic supply has not been connected to the machine 2. Pneumatic supply pressure is too low 3. Pressure regulator closed or incorrectly adjusted 4. Silencer clogged 5. Problem with cylinder 	<ol style="list-style-type: none"> 1. Connect the pneumatic system 2. Adjust the compressor air pressure. 3. Activate or correct the adjustment of the pressure regulator 4. Clean or replace the silencer 5. Replace the cylinder gaskets
Pedals don't return to rest position	<ol style="list-style-type: none"> 1. Spring broken 	<ol style="list-style-type: none"> 1. Replace the spring

Other possible malfunctions must be checked and resolved by professionally qualified technicians.

7.1 Accessories list

Bead lever/Pry bar-----this tool is for lifting the tire bead onto the mounting head during the demounting stage (shown in figure 7-1).

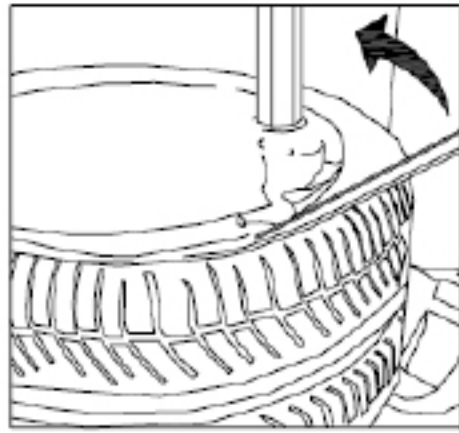


Figure 7-1

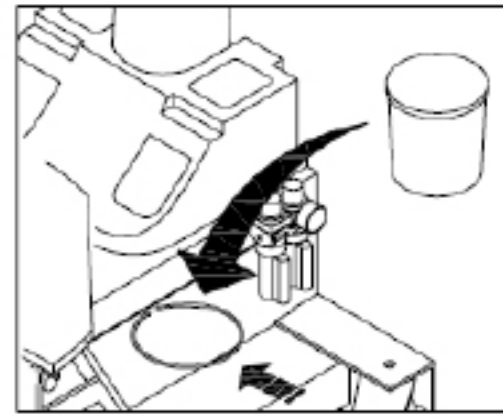


Figure 7-2

Lubrication pail ring -----this ring holds the lubrication pail.(Shown in figure 7-2).

Lubrication pail -----Used for holding lubrication (shown in figure 7-3).



Figure 7-3



Figure 7-4

Brush -----this is provided for lubricating the tire bead (shown in figure 7-4)

Bead lever sock-----Fitted on the lever to protect the rim (shown in figure 7-5)

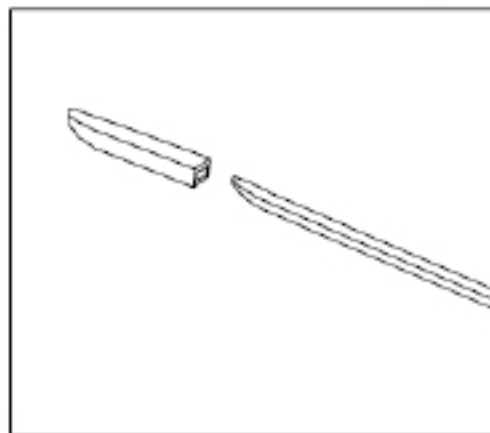


Figure 7-5

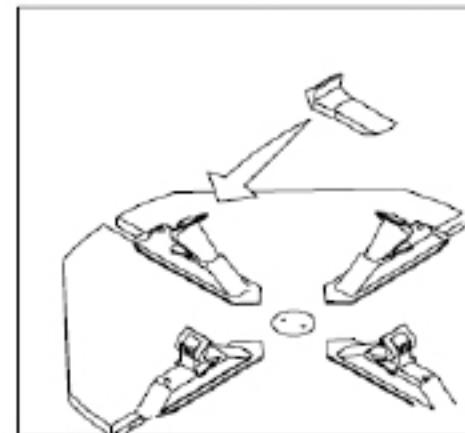


Figure 7-6

Jaw protectors -----Fitted on the jaws to protect the rim (shown in figure 7-6).

Mounting head guard -----Fitted on the mounting head to protect the rim from damage (shown in figure 7-7).

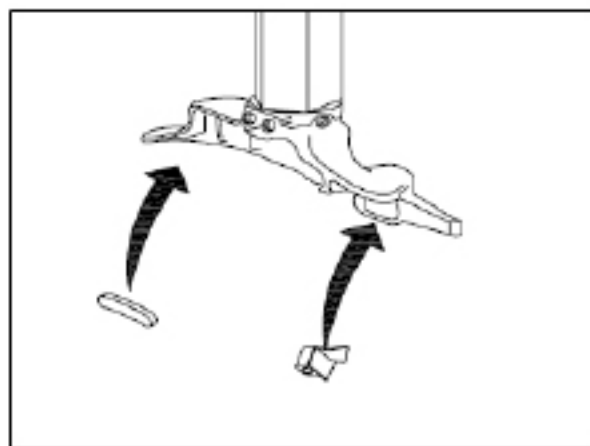
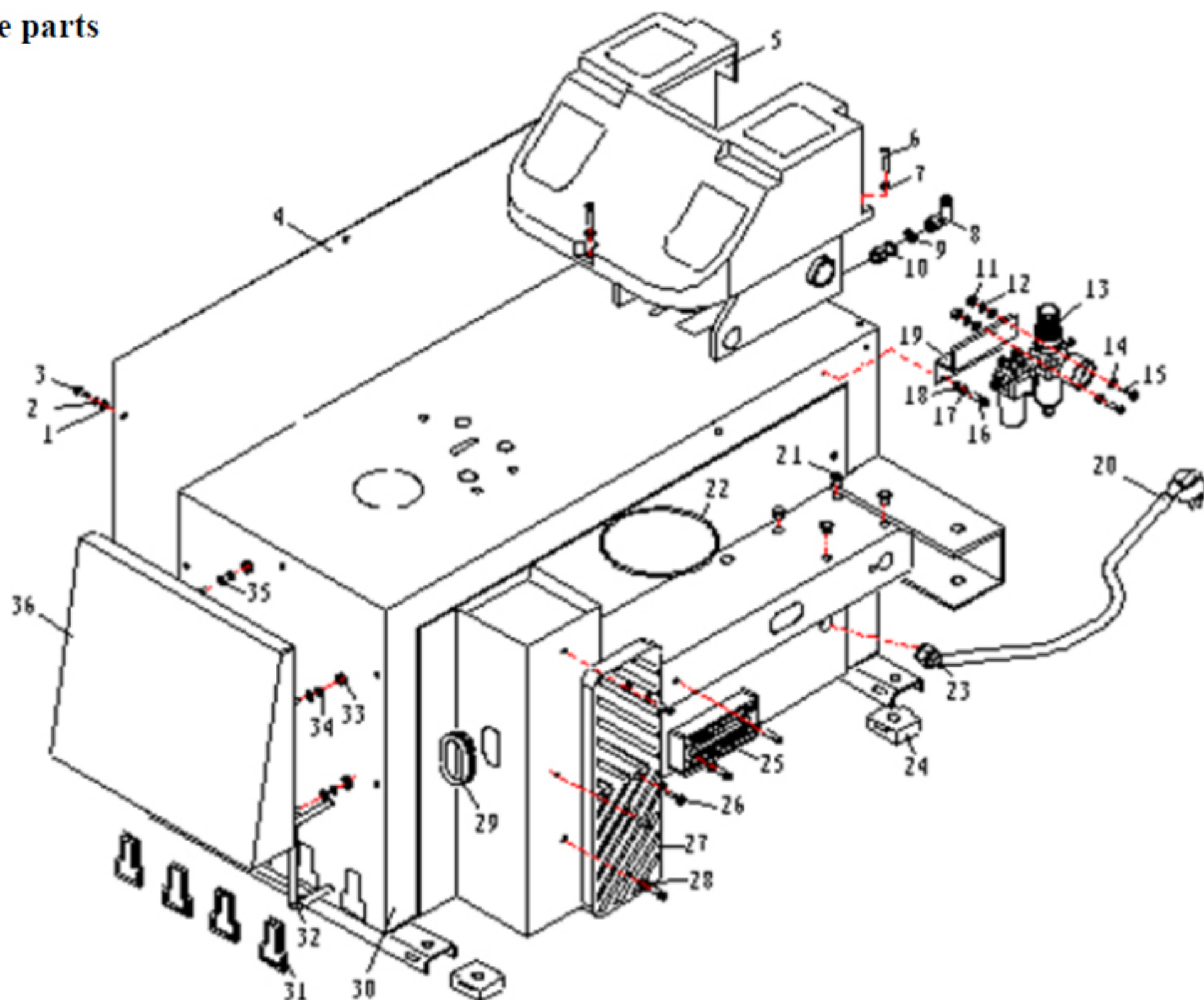


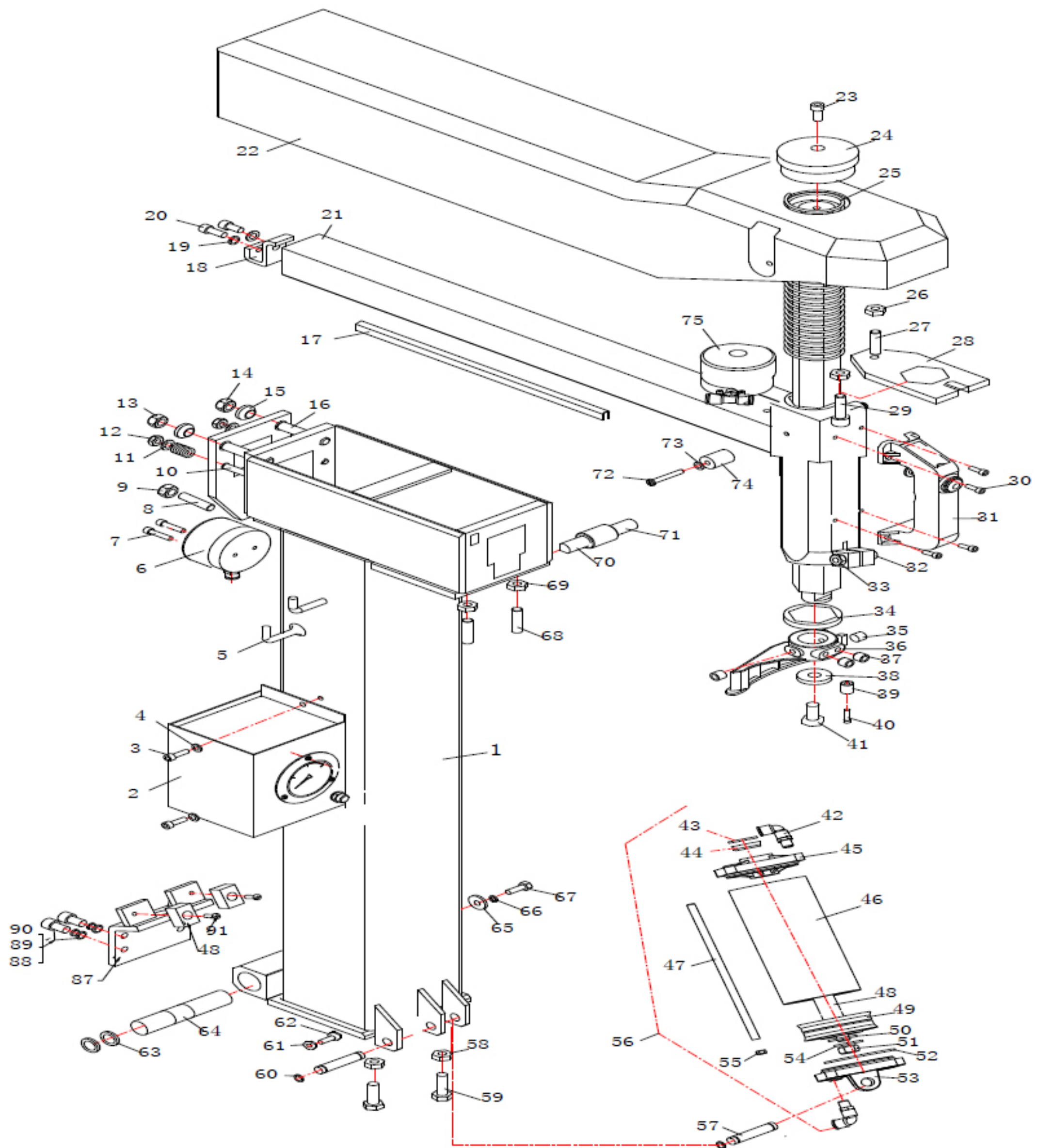
Figure 7-7

8.1 Spare parts

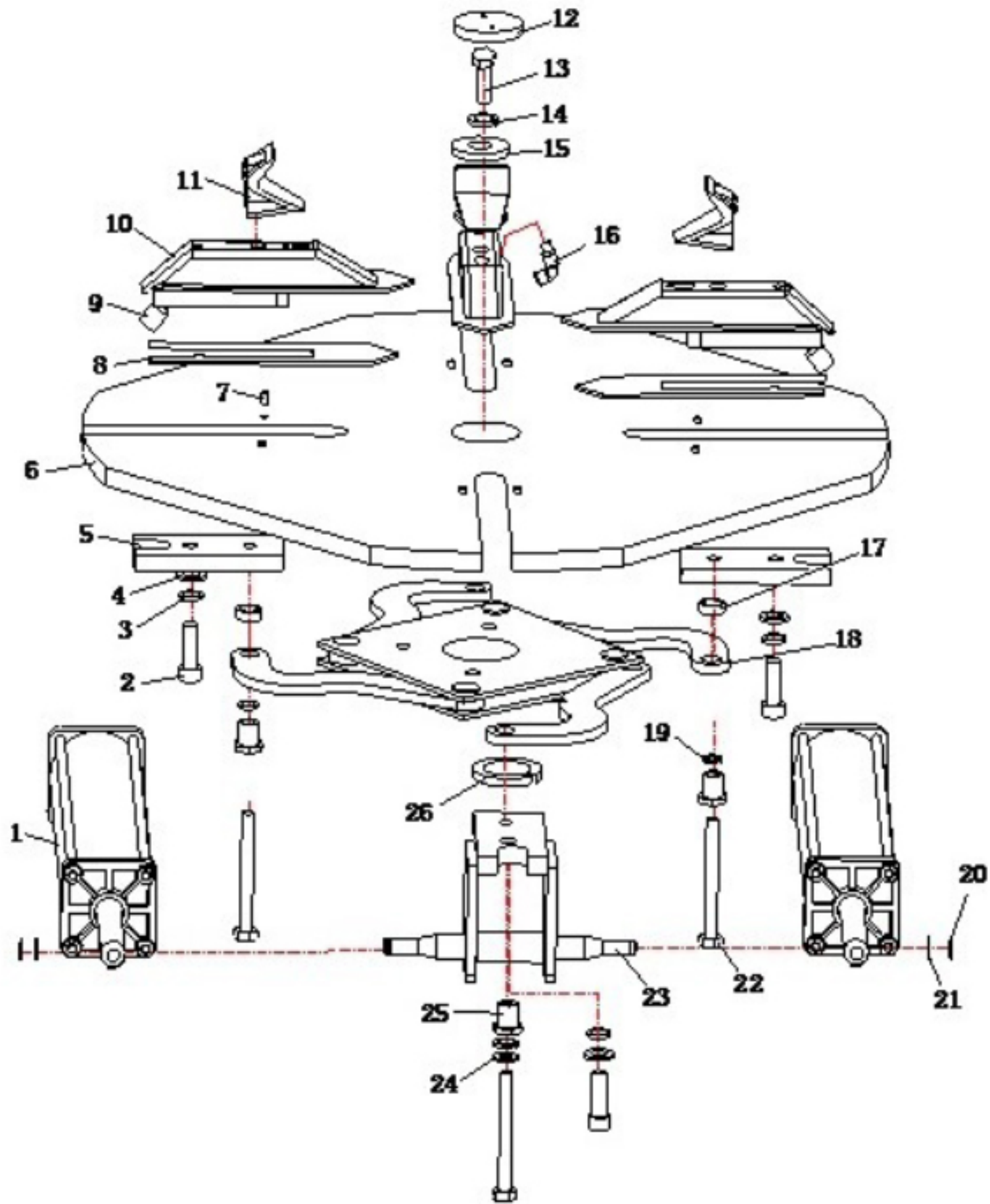


No.	Part Number	Description
1		Flat washer M6
2		Lock washer M6
3		Bolt M6x20
4	760-004	Side cover
5	760-006	Tray
6		Bolt M6x20
7		Flat washer
8	005S6520-814	Quick union 8-02
9		Flat washer
10	005S5610-814	Quick union 8-02
11		Nut M5
12		Lock washer M5
13	760-007	Filter/Reg/Oiler
14		Flat washer M5
15		Bolt M5x12
16		Bolt M6x12
17		Lock washer M6
18		Flat washer M6

No.	Part Number	Description
19	760-171	Filter Bracket
20	760-009	Power lead
21	760-008	Hole Stopper
22	760-015	Lubrication Pail Ring
23	760-011	Grommet
24	760-012	Rubber foot
25	760-013	Small wheel support
26		Bolt M6x20
27	760-016	Big wheel support
28		Flat washer
29	760-172	Lever protector
30	760-001	Cabinet
31	760-173	Pedal protector
32	760-002	Shield bar
33		Nut M6
34		Lock nut M6
35		Flat washer M6
36	760-003	Pedal guard

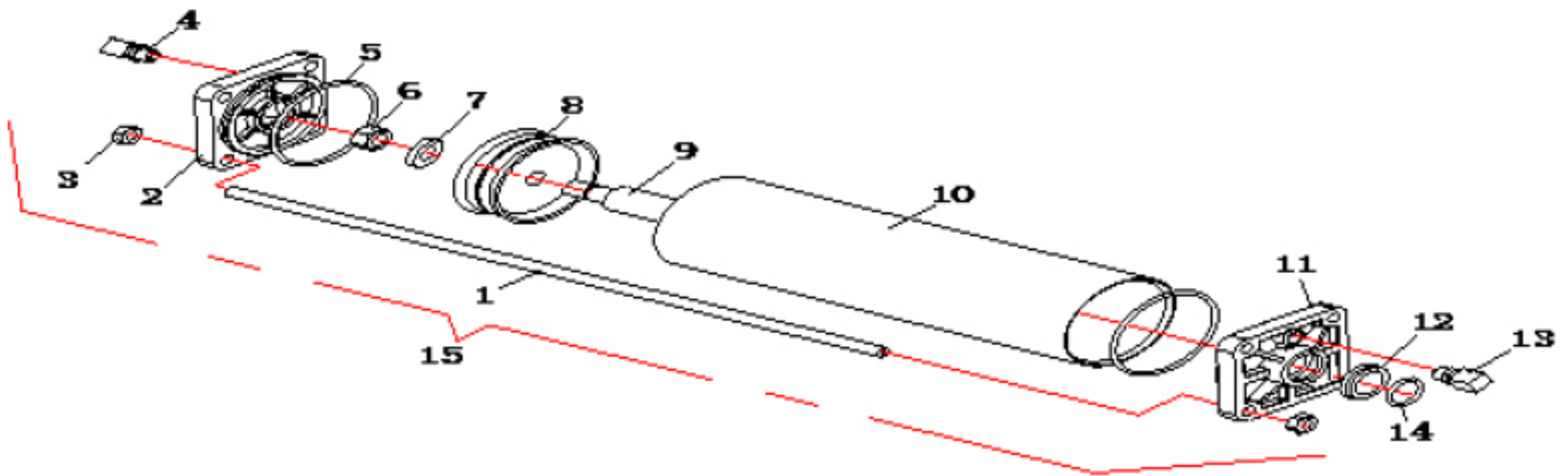


No.	Part Number	Description	No.	Part Number	Description
1	760-017	Vertical arm	40	760-039	Inserts screw
2	760-019	Gauge box	41		Bolt
3		Bolt M6x20	42	005S6520-818	Union 6-01
4		Flat washer M6	43	760-087	Snap ring
5	760-174	Hook protector	44	760-046	Dust-proof seal
6	760-022	Locking cylinder assembly	45	760-040	Cylinder cap
7		Bolt M6x35	46	760-041	Locking cylinder body
8		Bolt	47	760-042	Small cylinder lever
9		Screw	48	760-043	Cylinder shaft
10		Bolt	49	760-045	Piston
11		Flat washer	50		Washer
12		Screw	51		Nut
13		Screw	52	760-047	O ring
14		Screw	53	760-048	cylinder cap
15	760-025	Adjust cone	54		Flat washer
16		Bolt	55		Nut
17	760-027	Guide	56	760-176	Cylinder assembly
18	760-028	Shield Pot Hook	57	760-049	Pin
19		Elastic washer	58		Screw
20		Bolt	59		Bolt
21	760-029	Horizontal arm	60		Snap ring
22	760-030	Shield	61		Screw
23		Bolt M8x30	62		Screw
24	760-031	Mounting bar cap	63		Nut
25	760-032	Mounting bar spring	64	760-057	Pivot
26		Nut	65		Washer
27		Set screw	66		Elastic washer
28	760-034	Locking Slab	67		Bolt
29		Bolt	68		Bolt
30		Bolt	69		Nut
31	760-035	Locking handle	70	760-052	Adjusting shaft
32		Bolt	71		Adjusting wheel
33		Nut	72		Bolt
34	760-036	Cushion	73		Flat washer
35		Set screw M12x10	74	760-053	Bushing
36	760-037	Mounting head	75	760-022	Locking cylinder assembly
37		Set screw M12x16	87	760-177	Stopper bracket
38	760-175	Special Washer	91	760-178	Stopper pad
39	760-038	Peak roller			

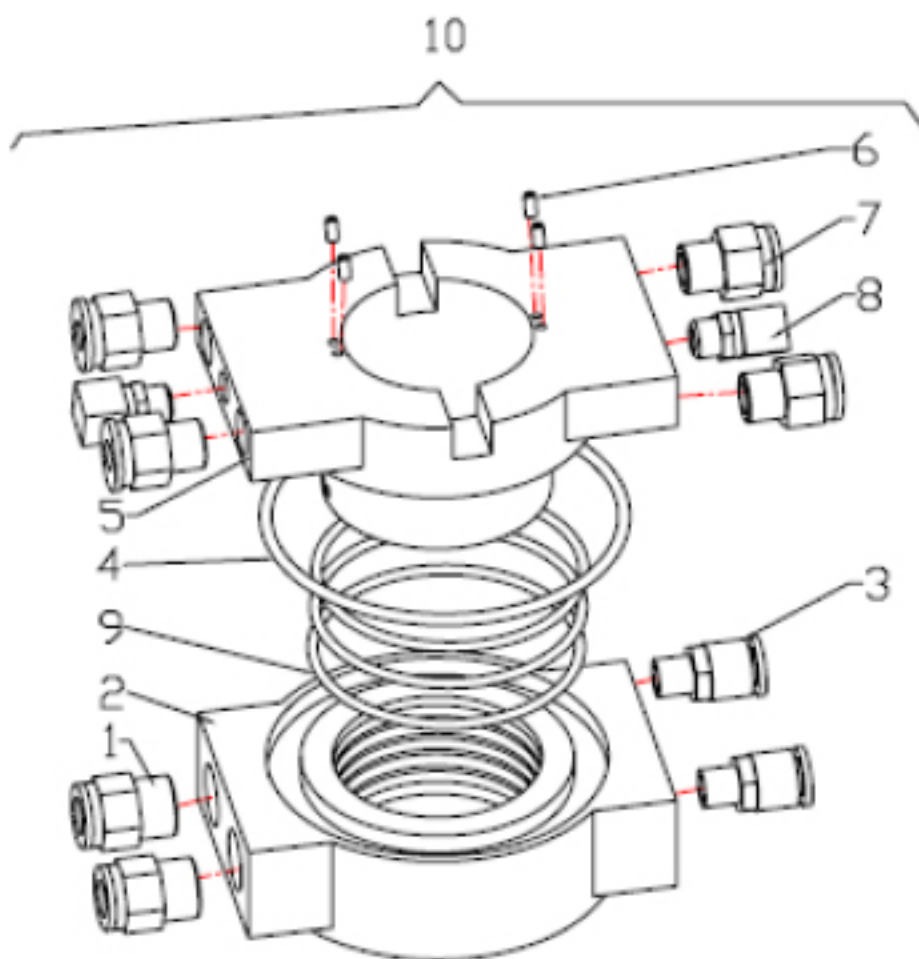


No.	Part Number	Description
1	760-058	Rim Clamp Cylinder Assembly
2		Bolt
3		Lock washer
4		Flat washer
5	760-059	Saddle
6	760-060	Turntable
7		Roll pin
8	760-170	Cover Plate for slider
9	005S6510-1014	Union 10mm
10	760-061	Slide
11	760-062	Jaw
12	760-063	Turntable cap
13		Bolt

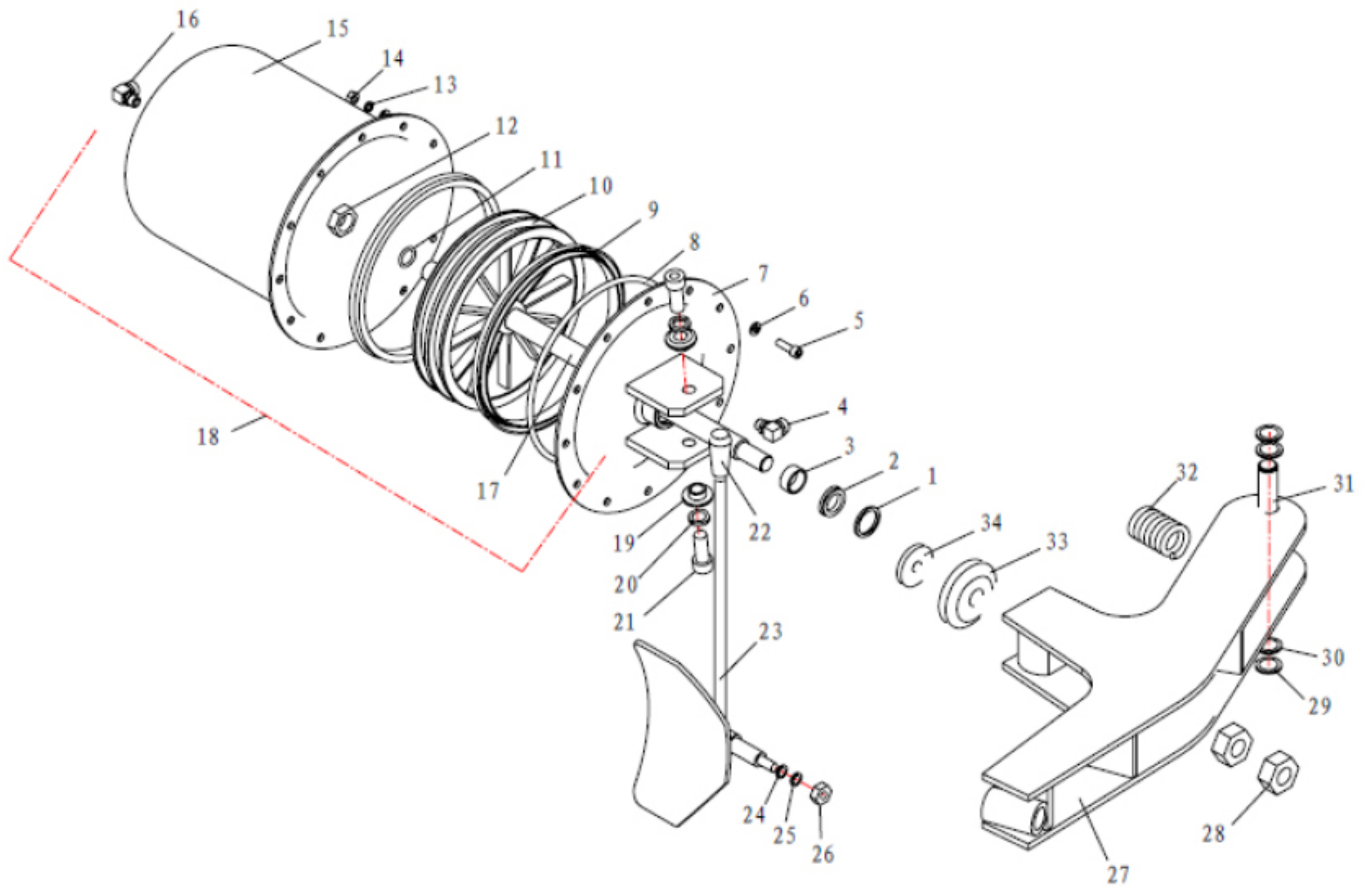
No.	Part Number	Description
14		Elastic washer
15		Turntable cushion
16		Quick union
17	760-064	Bushing
18	760-065	Turntable flange
19		Flat washer
20		Snap ring
21		Flat washer
22		Bolt
23	760-067	Cylinder bracket
24		Lock washer
25	760-068	Sleeve
26	760-069	Snap ring



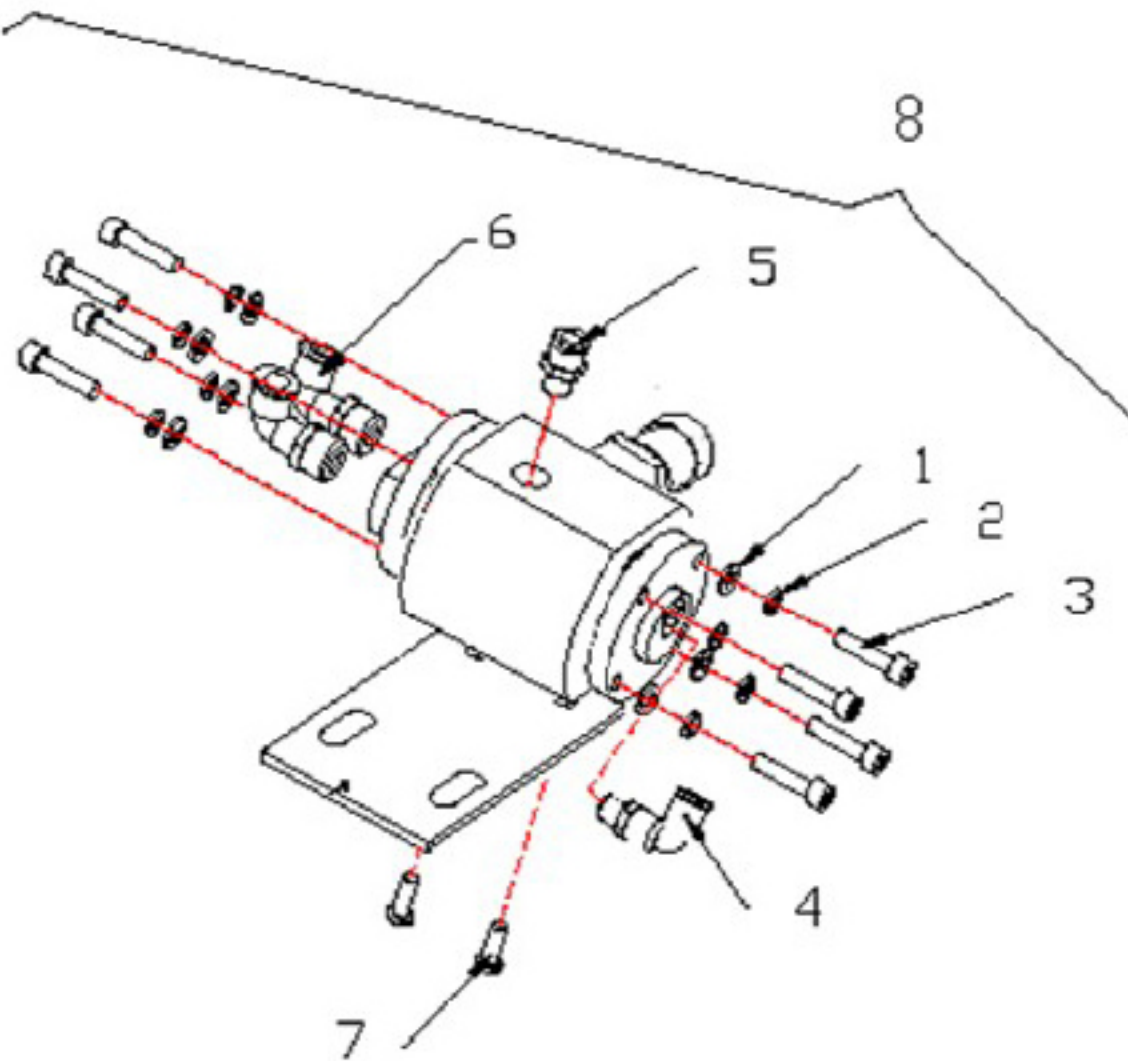
No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1	760-070	Cylinder Lever	8	9	760-076	Cylinder Shaft	2
2	760-071	Cylinder Cap	2	10	760-077	Cylinder Body	2
3		Lock Nut	16	11	760-078	Cylinder Cap	2
4	005S6520-818	Union	3	12		Y Ring 31x20x6	2
5		O Ring $\phi 75 \times 2.65$	4	13	005S6520-818	Union	2
6		Nut M12	2	14		O Ring 20x3	2
7		Flat Washer $\phi 12$	2	15	760-058	Cylinder Assembly	2
8	760-073	Piston	2	16			



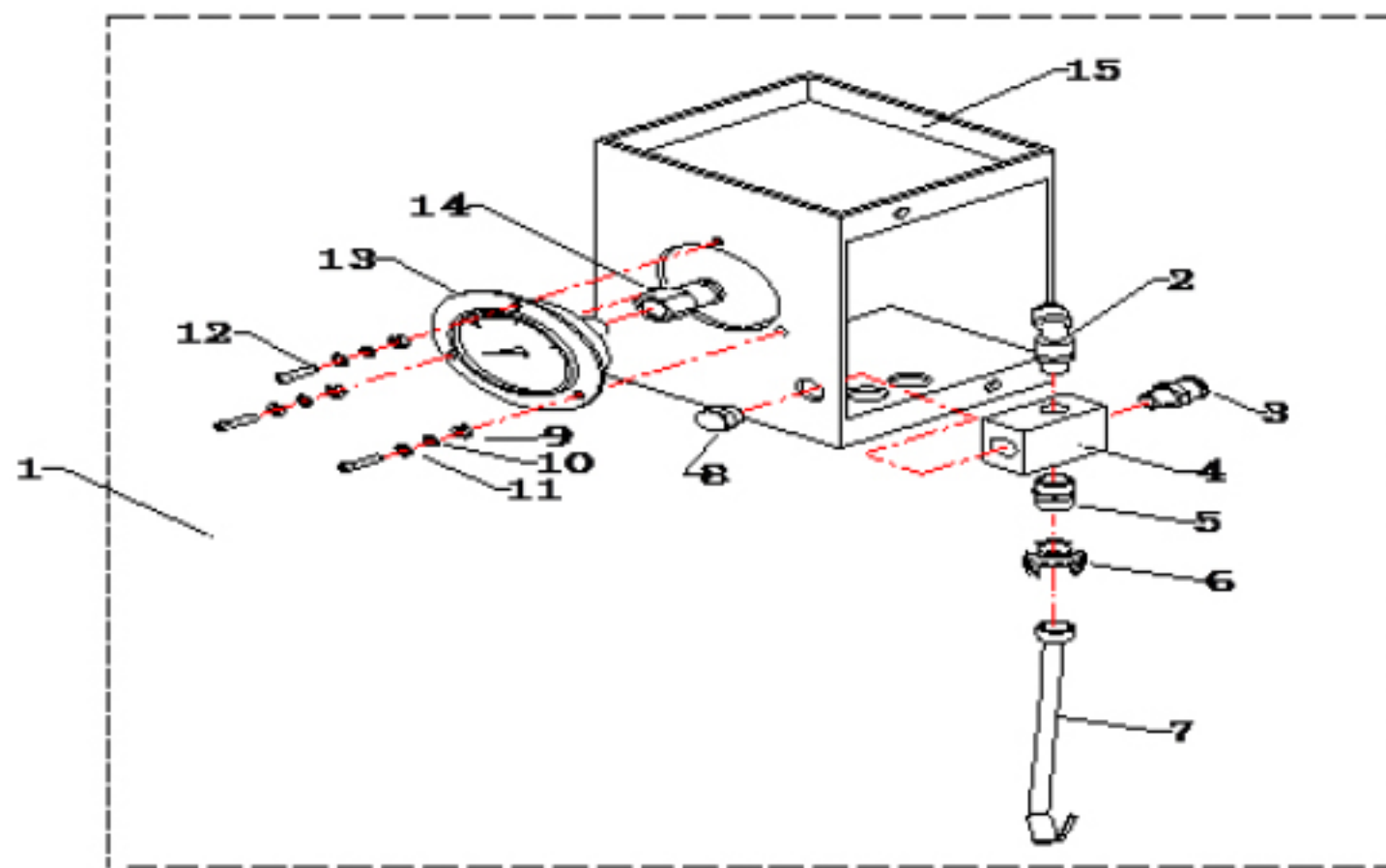
No.	Part Number	Description	Qty
1	005S6510-1438	Quick Union14-03	2
2	760-082	Distributor outside	1
3	005S6510-818	Union 8-01	2
4	760-083	O Ring $\phi 65 \times 3.1$	3
5	760-084	Distributor inside	1
6		Screw M3x6	4
7	005S6510-1014	Union 10-02	4
8	005S6510818	Union 8-10x1	2
9	760-085	O Ring $\phi 90 \times 3.1$	1
10	760-086	Distributor assembly	1



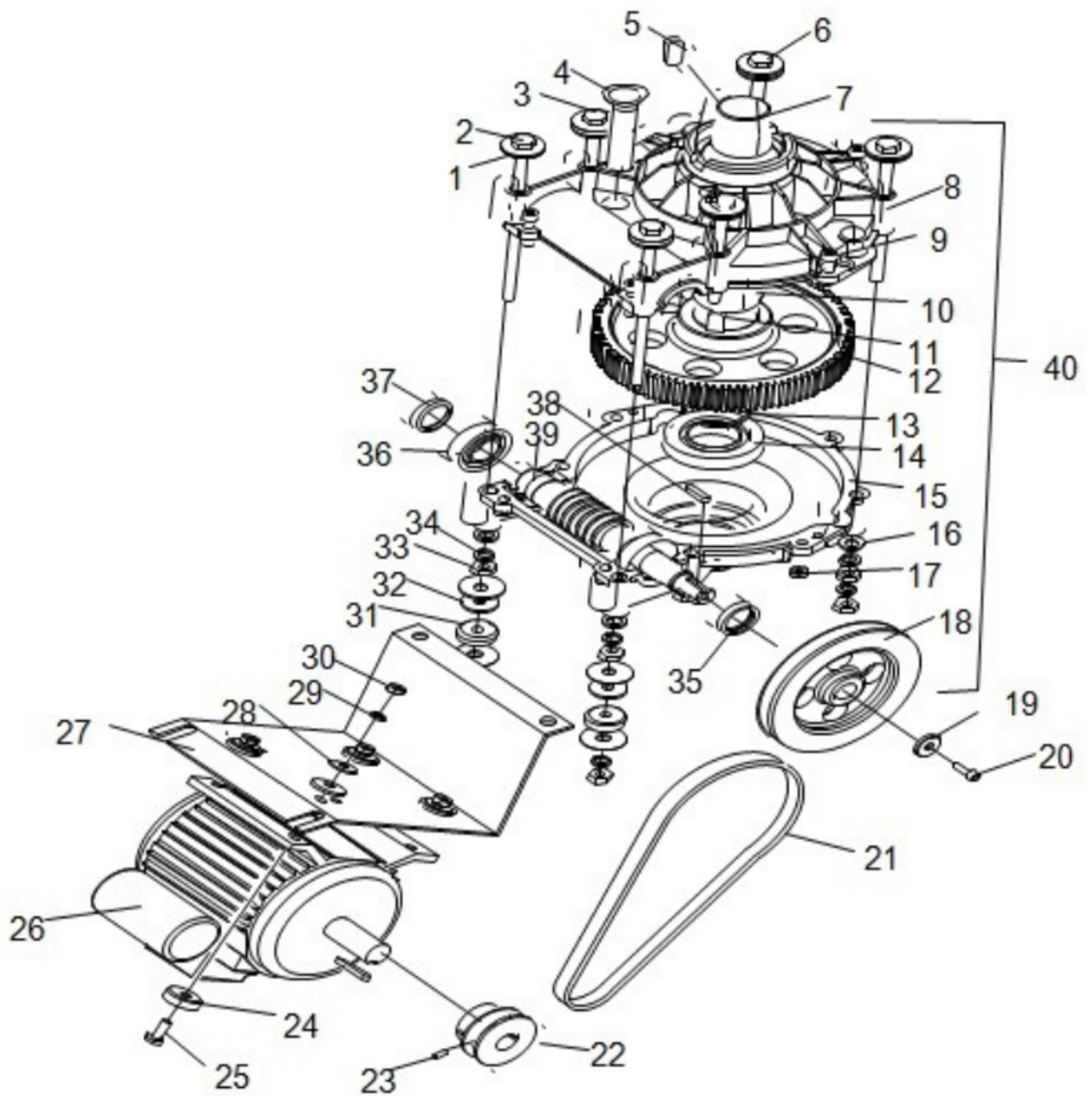
No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1	760-087	Snap Ring $\phi 30$	1	18	760-097	Cylinder assembly	1
2	760-088	Y Ring 30 \times 20 \times 7	1	19	760-098	Bushing	2
3	760-089	Guidetape	1	20		Spring washer $\phi 12$	2
4	S6520-818	Union 8-M10 \times 1	1	21		Bolt M12 \times 30	2
5		Bolt M6 \times 15	12	22	760-099	Grip	1
6		Flat washer $\phi 6$	24	23	760-100	Blade	1
7	760-090	Front cover of cylinder	1	24		Flat washer $\phi 12$	1
8	760-091	O Ring $\phi 186 \times 3.3$	1	25		Spring washer $\phi 12$	1
9	760-092	Y Ring $\phi 186 \times 12 \times 9$	2	26		Lock nut M12	1
10	760-093	Piston	1	27	760-101	Bead Breaker arm	1
11	760-094	O Ring $\phi 15 \times 2.65$	1	28		Nut M16	2
12		Nut M18 \times 1.5	12	29		Snap Ring	2
13		Lock washer $\phi 6$	12	30		Flat washer $\phi 16$	2
14		Nut M6	12	31	760-102	Pin	1
15	760-095	Cylinder Body	1	32	760-103	Spring	1
16	S6520-818	Union 8-M10 \times 1	1	33	760-104	Cushion	1
17	760-096	Cylinder Shaft	1	34	760-105	Shock Insulator	1
					760-169	Quick Exhaust Valve	2



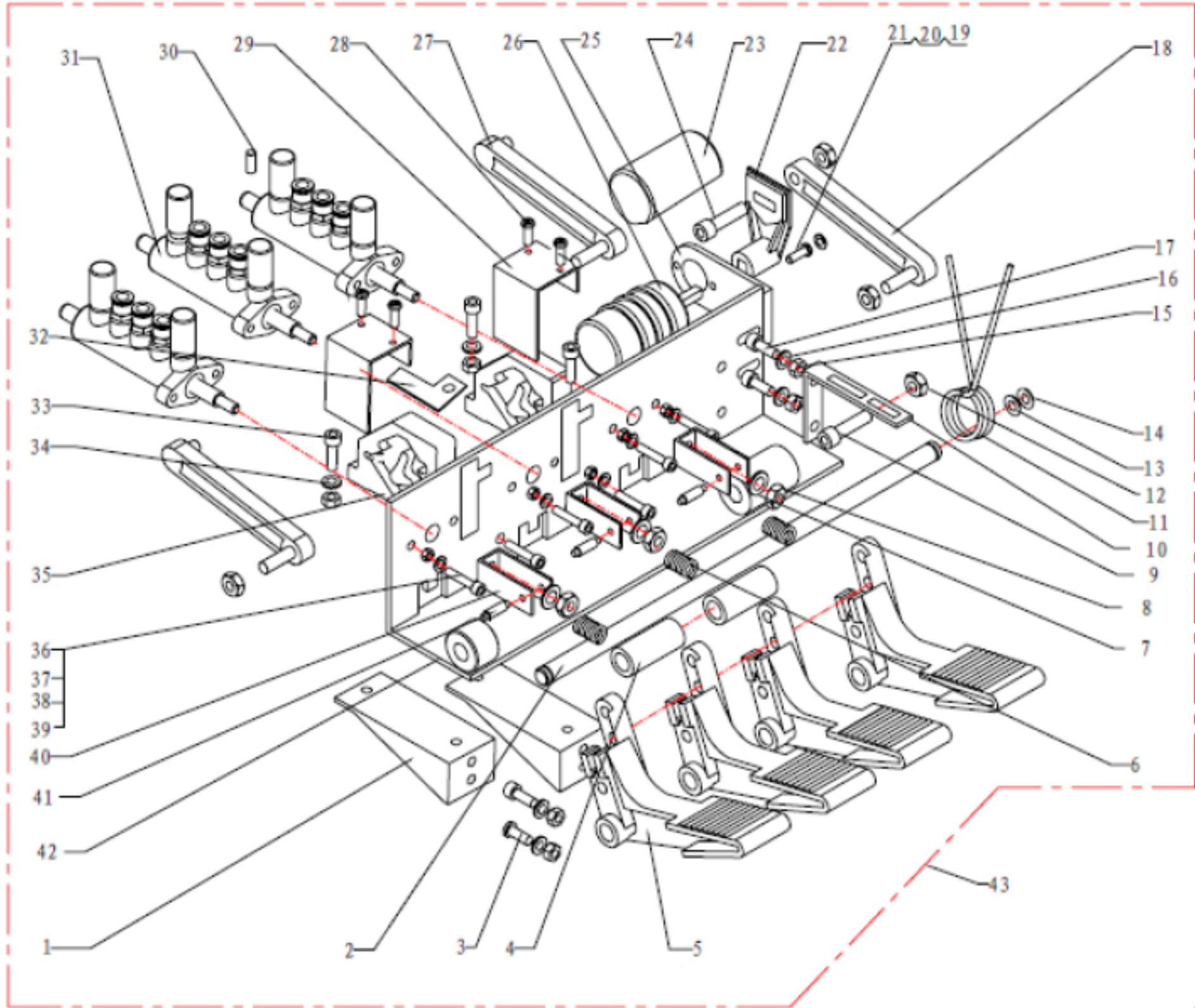
No.	Part Number	Description	Qty
1		Flat Washer 6	8
2		Lock Washer 6	8
3		Bolt M6×20	8
4	005S6520-818	Union 8-01	1
5	005S6510-818	Quick Union 8-03	1
6	005S6520-1438	Union 14-03	2
7		Bolt M6×16	2
8	760-106	Blaster Valve Assembly	1



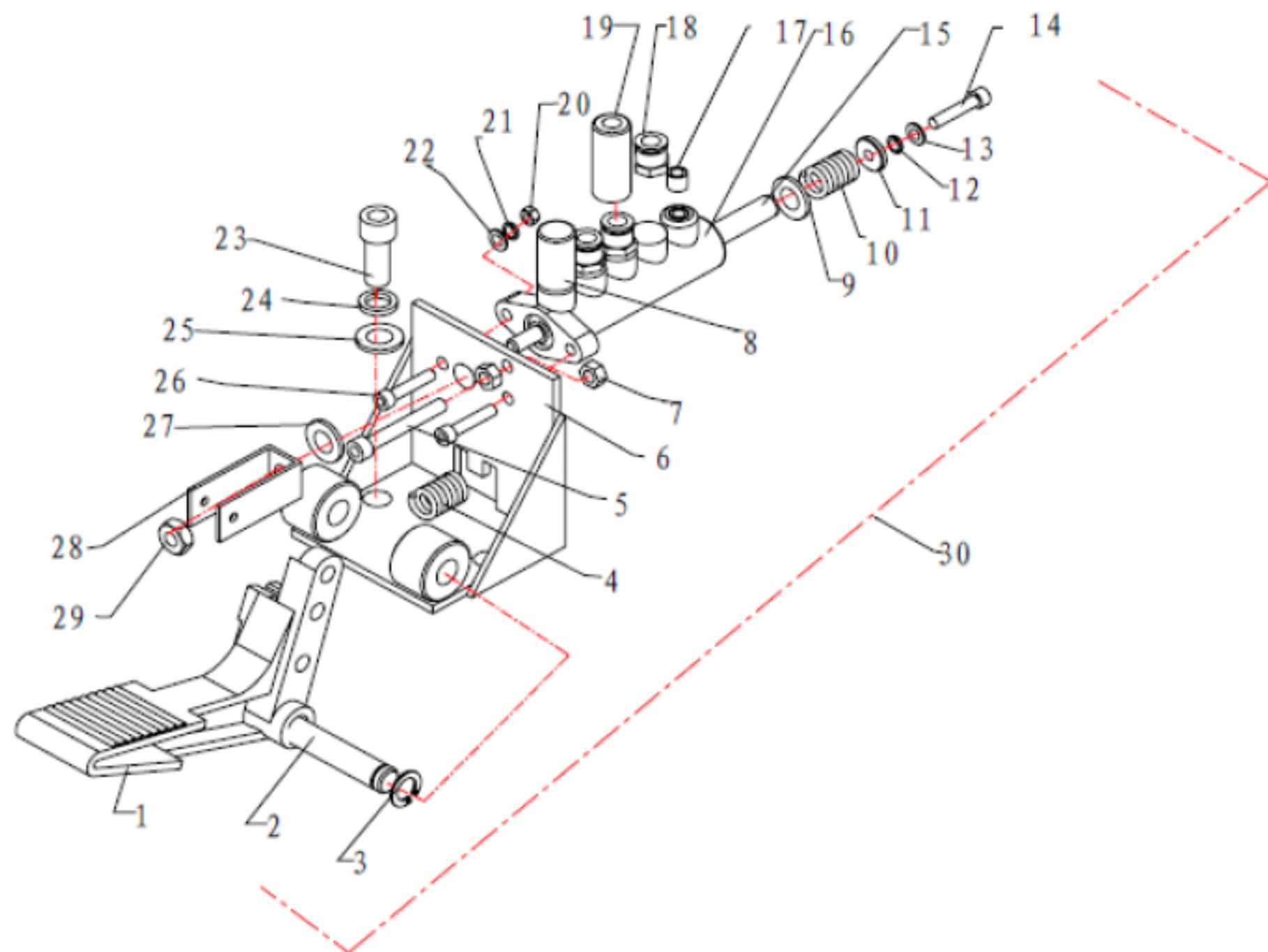
No.	Part Number	Description	No.	Part Number	Description
1	760-019	Gauge Box Assembly	9		Nut M4
2	005S6520-818	Elbow Fitting 8mm	10		Flat washer M4
3	005S6510-818	Fitting 8mm	11		Lock washer M4
4	760-021	Manifold Block	12		Screw M4x10
5	0052521-14	Union 1/4	13	760-018	Pressure gauge
6		Placket Nut	14	0056463-814	Fitting 8mm
7	760-056	Inflator Hose	15		Box
8	760-020	Deflation Button	16		



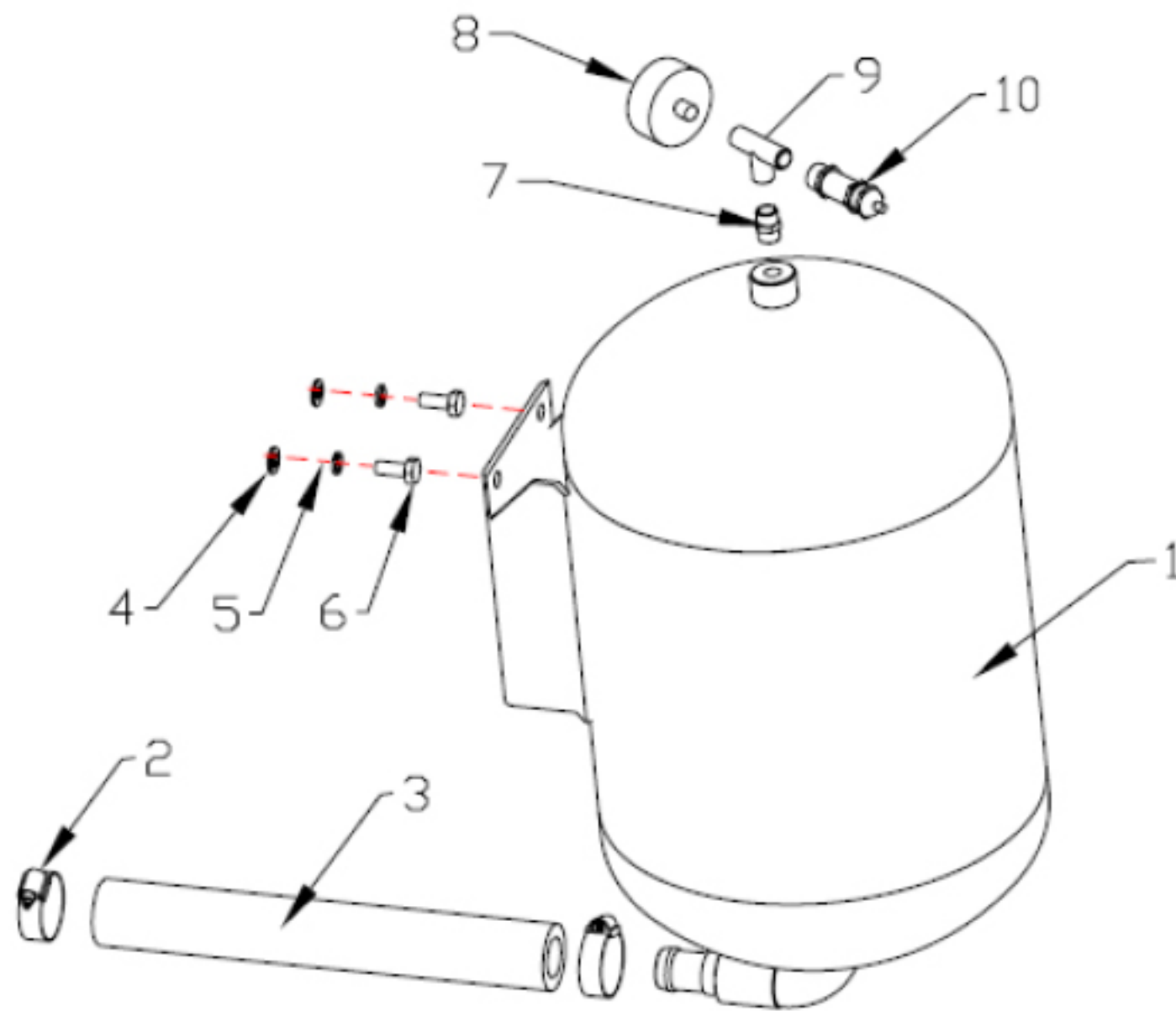
No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1		Washer	16	21	760-117	Belt	1
2		Bolt	2	22	760-118	Motor Pulley	1
3		Bolt	2	23		Screw	1
4	760-005	Oiling connector	1	24	760-119	Shock Absorber	4
5	760-107	Key	1	25		Bolt	4
6		Bolt	2	26	760-120	Motor	1
7	760-108	Main Shaft	1	27	760-121	Motor Bracket	1
8	760-109	Upper cover of gearbox	1	28		Flat Washer	4
9		Bolt	5	29		Lock Washer	4
10	760-110	Bearing	1	30		Nut	4
11	760-111	Key	1	31	760-122	Shock Absorber	2
12	760-112	Gear	1	32	760-123	Shock Absorber	6
13	760-113	Ring	1	33		Nut	12
14	760-114	Bearing	1	34		Lock Washer	10
15	760-115	Lower cover of gearbox	1	35	760-124	Oil Seal	1
16		Flat Washer	16	36	760-125	Bearing	2
17		Nut	5	37	760-126	Seal	1
18	760-116	Big Pulley	1	38	760-127	Key	1
19		Washer	1	39	760-128	Worm	1
20		Bolt	1	40	760-129	Gearbox Assembly	1



No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1	760-130	Cam Maze Bracket	1	23	760-139	Switch Cover	1
2	760-131	Pin	1	24		Bolt	1
3		Bolt	2	25	760-140	Switch Bracket	1
4	760-132	Spacer	2	26	760-141	Reversing Switch	1
5	760-133	Pedal	4	27	760-142	Connecting Rod	1
6	760-134	Pedal Spring	4	28		Screw	2
7		Washer	2	29	760-143	Shield	4
8		Lock Nut	8	30	760-144	Pin	2
9		Bolt	1	31	760-145	Valve Assembly	3
10	760-135	Spring Holder	1	32	760-146	Leaf Spring	3
11	760-136	Spring	1	33		Bolt	2
12		Nut	2	34		Lock Washer	4
13		Flat Washer	2	35	760-147	Double Cam / Maze	6
14		Snap Ring	2	36		Bolt	2
15		Bolt	4	37		Flat Washer	6
16		Flat Washer	8	38		Lock Washer	6
17		Nut	12	39		Nut	6
18	760-137	Connecting Rod	1	40	760-148	Valve Shaft Connector	3
19		Bolt	1	41	760-149	Pin	3
20		Flat Washer	1	42	760-150	Pedal Bracket	3
21		Lock Washer	1	43	760-151	Pedal Assembly	1
22	760-138	Lever	1				



No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1	760-152	Pedal	1	16	760-158	Distribution Valve	1
2	760-153	Pin	1	17	760-159	Stopper	1
3		Snap Ring	2	18	S6510-818	Union	3
4	760-154	Spring	1	19	760-160	Check Valve	1
5		Bolt	1	20		Nut M6	2
6	760-179	Inflator bracket	1	21		Lock Washer M6	2
7		Nut	2	22		Flat Washer M6	2
8	760-155	Silencer	1	23		Bolt	2
9		Washer	1	24		Lock Washer	2
10	760-156	Spring	1	25		Flat Washer	2
11		Washer	1	26		Bolt M6x30	2
12		Flat Washer	1	27		Washer	1
13		Lock Washer	1	28	760-161	Valve Lever Plate	1
14		Bolt	1	29		Lock Nut	1
15	760-157	Valve Lever	1	30	760-162	Pedal Assembly	1



No.	Part Number	Description	Qty	No.	Part Number	Description	Qty
1	760-163	Tank	1	6		Bolt	2
2		Hose Clamp	2	7	S2500-14	Connector	1
3	760-164	Hose	1	8	760-165	Gauge	1
4		Flat Washer	2	9	S2090-1414	Connector	1
5		Lock Washer	2	10	760-166	Safety Valve	1