Fabbri

2006/42/EG

Nederlands

Tire mounting machine

ZH620

Assembly and operating instructions

Before putting this into operation, read and understand the operating instructions completely!!!

CE

NLD 1. Symbolen label

ENG 1. Symbols label

NLD Lees voor gebruik de gebruikershandleiding.

ENG Read the user manual before use.

NLD Draag gehoorbescherming tijdens gebruik.

ENG Wear hearing protection during use.

NLD Draag oogbescherming tijdens gebruik.

ENG Wear eye protection during use.

NLD Draag beschermende handschoenen tijdens gebruik.

ENG Wear protective gloves during use.

NLD Draag beschermende kleding tijdens gebruik.

ENG Wear protective clothing during use.

NLD Pas op tijdens gebruik.

ENG Caution during use.

NLD Pas op! Elektrische spanning

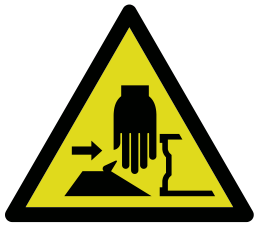
ENG Caution! Electric voltage

NLD Pas op; Klemgevaar voor handen

ENG Warning; Crushing of hands

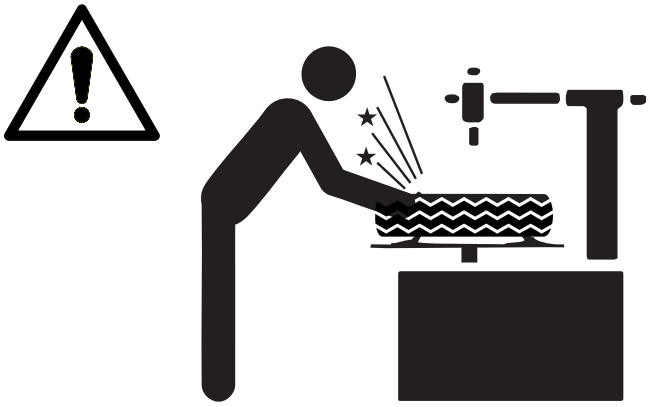
NLD Pas op voor klemgevaar tussen de (de)monteerkop en de velg/band.

ENG Beware of pinch hazard between the (de)mounting head and the rim/tire.



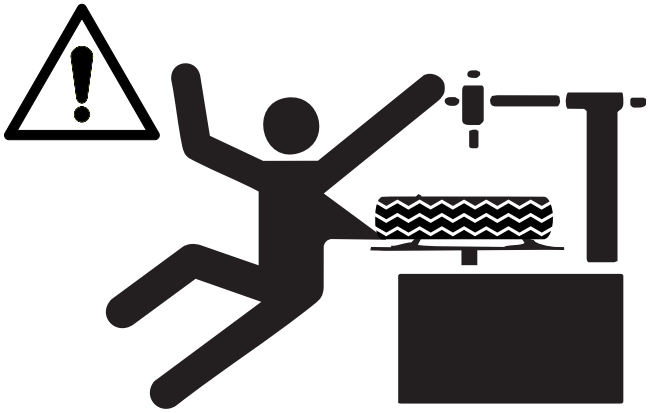
NLD Pas op voor klemgevaar tussen de klemklauw en de velg.

ENG Beware of pinch hazard between the clamping jaw and the rim.



NLD Inflatie kan gevaarlijk zijn, volg de veiligheidsprocedures zorgvuldig op.

ENG Inflation can be dangerous, please follow the safety procedures carefully.



NLD Houd losse kleding, lang haar en sieraden uit de buurt van de machine tijdens gebruik.

ENG Keep loose clothing, long hair, and jewellery away from the machine during operation.

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EC Declaration of conformity - Declaration of conformity - EG-Konformitätserklärung - Declaration de conformité - Dichiarazion di conformita - Declaracion de conformidad 29

1. General information

Before putting this machine into operation, read and understand the operating instructions completely!!!

This manual contains important information for the proper way to install, operate and maintain the equipment herein. There are several risks of personal injury or property damage involved in the use of any automatic car tire changer. Anyone who comes into contact with the installation, maintenance or operation of the automatic tire changer must be fully familiar with the contents of this manual. To protect yourself from incurring personal injury or property damage, follow the following directions and instructions in this manual.

Each Fabbri car tire changer is manufactured in accordance with the Machinery Directive 2006/42/EC. A manual including a declaration of conformity is supplied with each automatic car tire changer. These should be kept and maintained properly.

As improvements are constantly being made to the equipment in the interest of quality. Valkenpower B.V. (holder "Fabbri") reserves the right to change specifications of the equipment described in the manual.

Keeping the user manual

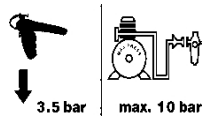
For proper use of the manual, we a few things:

- Keep the owner's manual near the tire changer in an accessible place.
- Keep the manual in a place where it not damp.
- Use the manual in a normal way without damaging it.
- Any use of the machine by operators not familiar with the instructions and procedures described in this manual is strictly prohibited.

This user manual is part of the machine and should therefore be kept carefully with the machine. When the machine changes hands, the user manual should be supplied with it.

2. Safety regulations

1. The supplier cannot be held responsible for improper use and consequences resulting from it. Only use the machine for the purpose for which it was designed, i.e. mounting and dismounting tires.
2. Use of the unit should always be within the specifications described in this user manual.
3. This user manual is part of the machine and should therefore be kept carefully with the machine. When the machine changes hands, the user manual should be supplied with it.
4. Only authorized persons should work with the machine.
5. Wear necessary personal protective equipment such as safety shoes, safety glasses and gloves.
6. While working with the machine, ensure that no persons within a radius of 2m can reach the machine.
7. Entrapment is a present risk. Therefore, use the machine as described in the operating chapter.
8. Avoid loose parts on the machine.
9. The workplace should be clean, free of oil and grease and tidy to prevent tripping and slipping.
10. The tire to be removed must pressure free. This means that the seal in the valve must be removed to allow air to flow out of the tire.
11. Operate the machine only when standing directly in front of it.
12. Mount the machine securely to the surface by using holes provided in the unit.
13. To remove the strap, operate the column only with the attached knob at the top of the column and never with the spring around the column.
14. Before each use, check the machine for damage, mechanical deformation, the compressed air lines, etc.
15. Only authorized persons should make electrical connections.
16. The Supplier is not responsible for unauthorized modifications to the machine.

Warning sticker	**Meaning**
	Keep hands and other body parts away from the mounting head when lowering it and when the turntable is in operation.
	Be careful when releasing the tire from the rim, the bead breaker moves quickly and with great force when the pedal is depressed. Keep your body and materials away from the bead breaker when in use.
	No more than 10bar pressure should be applied to the pneumatic system of the machine come to . The maximum pressure allowed on the tire pump is 3.5bar.
	High voltage! Dangerous!

3. Assembly

Unpack

Remove the cardboard packaging and then the wood. Then check carefully that all the materials are in perfect condition, be sure that nothing is damaged and that no parts are missing. You can do this using fig. 1. In addition to the parts, there is also a box of accessories, in which you will find a holder for the grease jar, a tire lever, a pressure gauge (tire pump) with its hose and connections, 4 protectors for aluminum rims and a few spare washers.

: If parts are missing or , contact your Fabbri outlet.

Letter	Name part
A	Control pedal turntable
B	Operating pedal heel breaker
C	Pedal for releasing rim
D	Pedal for clamping rim
E	Heel breaker blade
F	Heel breaker arm
G	Rubber plug
H	(De)Assembly head
I	Swivel arm
J	Rotary knob for setting the position of the swivel arm
K	Arresting lever
L	Clamp Claw
M	Guides
N	Self-centering turntable
O	Cylinder turntable

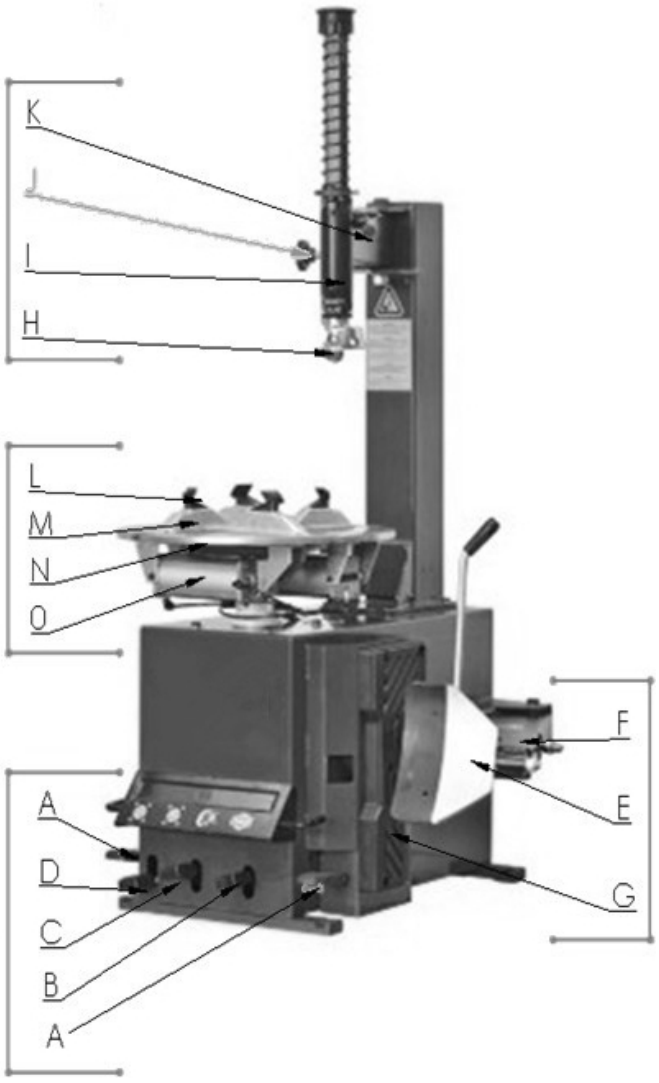


Fig. 1

Machine placement

When you start assembling the unit, there are a few things you should pay attention to, namely;

- The machine should be connected to compressed air and power supply (230V). Make sure both power sources are within easy reach at the place where the machine will located.
- In order to obtain a safe and ergonomically sound positioning of the machine, it is recommended to maintain a distance of at least 50 cm from surrounding walls (Fig. 2 and 3). Also, in this way all parts of the machine can move unobstructed.
- If the machine will outside, it should under a canopy.

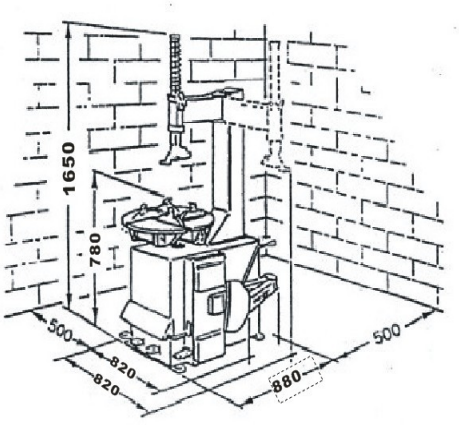


Fig. 2

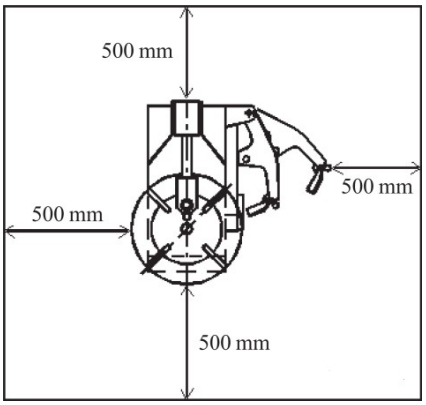


Fig. 3

Mounting the column

- First, remove the bolts (A, fig.4)and washers (B,fig.4).
- You can do this in two ways since the column is quite heavy. You can lift the column with a lifting strap that meets the European standard and can handle the weight. You can also it with two people on the machine, make sure you lift from the legs and with a straight back.
- Make sure the holes of the column and the machine overlap and secure the column with the 4 M10x55mm bolts and washers.

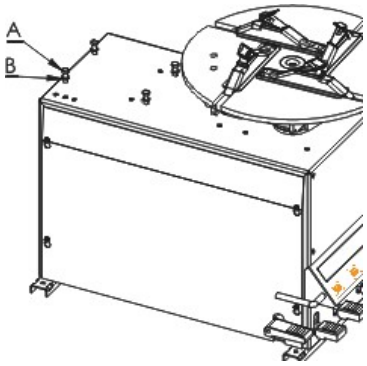


Fig. 4

CAUTION! When placing the column, keep it in a vertical position and make sure it does not fall backwards to avoid accidents!

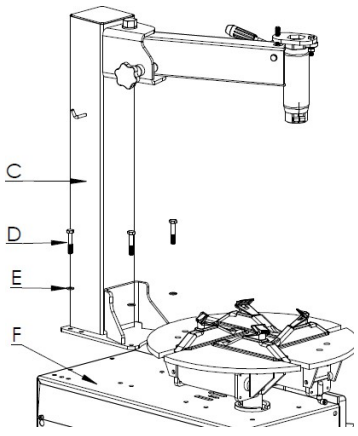


Fig. 5

Assembly of the (de)mounting arm

- Slide the (de)mounting arm (G, fig.6) from below through the swing arm (H, fig.6) and secure it with arresting lever (L, fig.6).
- Make sure you mount the (de)mounting arm (G, fig.6) in the right direction, for reference you can clamp a rim on the table to see how the head should be.
- Now secure the (de)mounting arm (G, fig.6) in the upper position using the arresting lever (L, fig.6) and then insert the spring (I, fig.6) and secure it using the cap (J, fig.6) and the M10x30mm socket screw (K, fig.6).

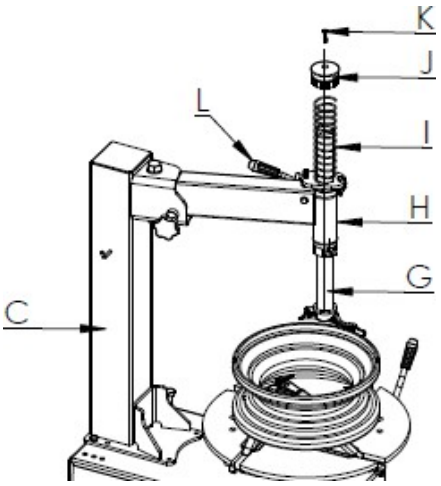


Fig. 6

CAUTION! Do not forget to secure the (de)mounting arm (G, fig.6) with the arresting lever (L, fig.6), as it automatically drops down, which can result in serious injuries!

Mounting the holding ring for the grease pot

- Take the holder (L, fig.7) from the accessory box.
- Now place the holder in the holes of the column (C, Fig.7).

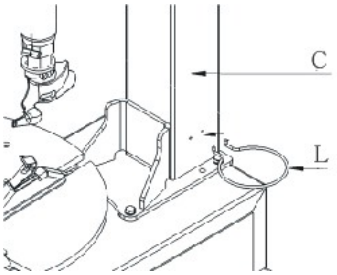


Fig. 7

Assembly of the heel breaker

- Insert the arm (M, fig.8) into the holder (N, fig.8),which is the machine, and secure the arm (M, fig.8) with bolt (O, fig.8), washer (P, fig.8) and nut (Q, fig.8).
- Next, first insert the spring (S, fig.9) securely so that it is tight, then pull the spring out with a spring hook (U, fig.9) and place it around the spring pin (T, fig.9) in the heel breaker arm. Now unhook the spring hook (U, fig.9).
- Pull the heel breaker arm out, then bring the arm in and insert the piston rod (W, fig.10) into the piston rod holder (V, fig.10), now tighten the nut (X, fig.10) firmly using an air drill.
- Now insert the heel breaker blade (Z, fig.10) and secure it firmly with the washer (Y, fig.10) and nut (X, fig.10).

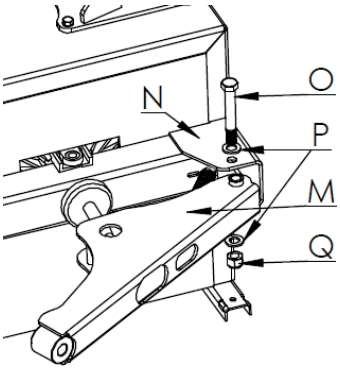


Fig. 8

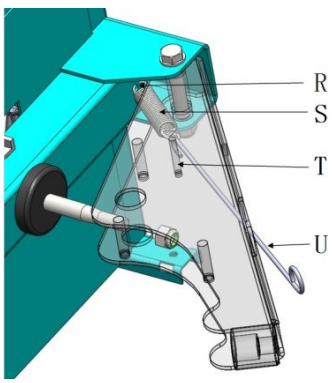


Fig. 9

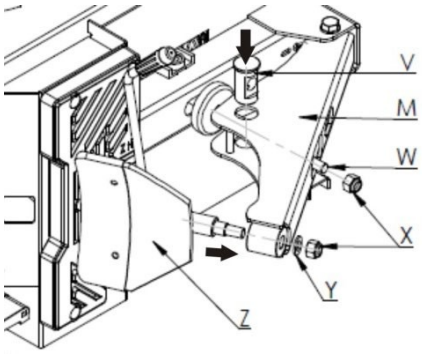


Fig. 10

Connecting the tire pump

- Connect the air gun to the air line.
- Connect the air line to the air care kit by connecting the hose coupling (A, fig.11) to the air care kit coupling (B, fig.11).

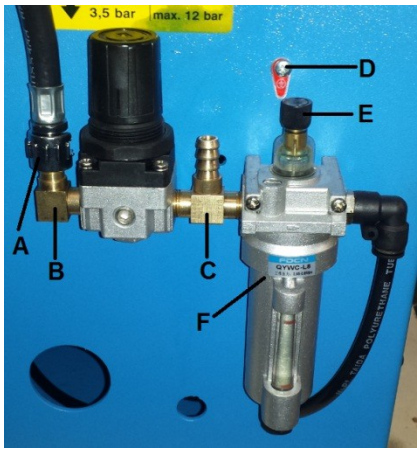


Fig. 11

Connecting the machine to compressed air and power supply

WARNING! All work on the electrical system must be performed by a professional and qualified person.

Make sure the power supply is correct, check that it matches the supply voltage indicated on the nameplate.

Improper electrical connection may damage the motor, this is not covered by the warranty.

- Make sure the machine grounded.
- Connect the machine to the power supply.
- Test if it is properly connected by pressing the pedal for operating the turntable (A, fig.12), the table should now rotate clockwise. This is a very important test.
- Now connect the machine to the compressed air circuit, connect the compressed air to the coupling of the air care set (C, fig.11).
- Test the tire pump: when the trigger is pressed, air comes out of the tire pump and when the button on the tire pump is pressed, it releases air.
- Now test the heel breaker by operating the control pedal (B, fig.12). Do this 3-5 times and have someone else look at the back of the machine to see if there is a drop of oil in the reservoir (F, fig.11) is injected. If this is not the case, you can regulate it with the adjusting screw (E,fig.11).

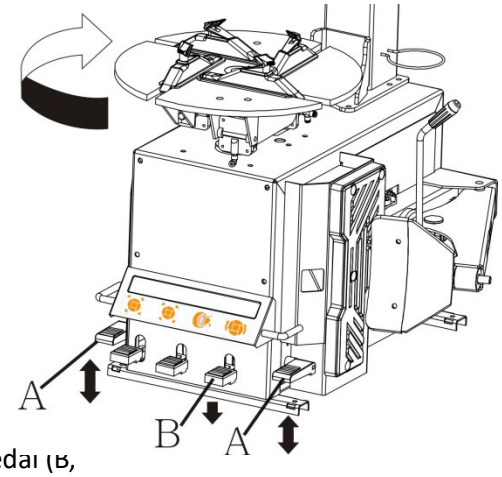


Fig. 12

4. Operation

WARNING! Make sure you have read and understand the entire user manual before starting to work with the machine.

Before performing any operation, first let the air out of the tire and remove all balancing weights from the rim, before all (de)mounting operations remove the inner valve from the rim.

Operating the tire changer is divided into the following 3 parts:

A)Removing the tire from the rim B)Removing the tire C)Putting the tire on

NOTE: It is recommended to equip the tire changer with a pressure regulator.

Removing the tire from the rim

WARNING! Be extremely careful when releasing the strap. The arm moves quickly and with very great force when the respective pedal is operated. Objects will be seriously damaged if within the operating area of the arm.

- Let all the air present out of the tire by removing the inner valve from the valve.
- Close the clamping claws on the turntable to prevent accidents from happening while taking the tire off.

WARNING! If the clamps are open, this can be extremely dangerous to the operator's hands. NEVER the side of the belt while releasing it.

- Place the wheel against the rubber block on the right side of the machine.
- Move the pressure plate against the tire about 1cm from the rim as shown in Figure 13a. Make sure the pressure plate presses against the tire and not the rim.
- Press pedal B (fig. 13) to activate the heel breaker and release release the pedal when the bead breaker is all the way in and the tire is detached from the rim.
- Turn the strap a little and repeat the same operation until the strap is completely loose come off the rim. Now turn the rim over and repeat these operations until on this side the tire is completely detached from the rim.

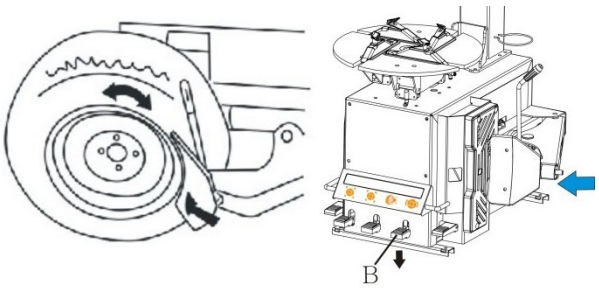


Fig.13

Removing the tape

! Make sure that all balancing weights have been removed from the rim and that the tire has been left empty, remove the inner valve from the rim before all (dis)assembly....

- Coat the edge of the tire with tire grease, we recommend using Fabbri tire grease.

: Failure to lubricate the tire with tire grease can cause serious damage to the tire.

WARNING! While clamping the rim NEVER place your hands under the tire, to clamp the tire properly, position it in the middle of the turntable.

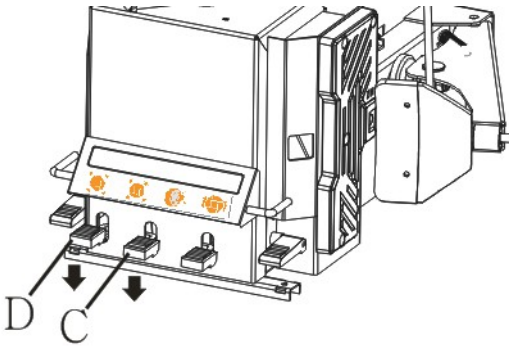


Fig. 14

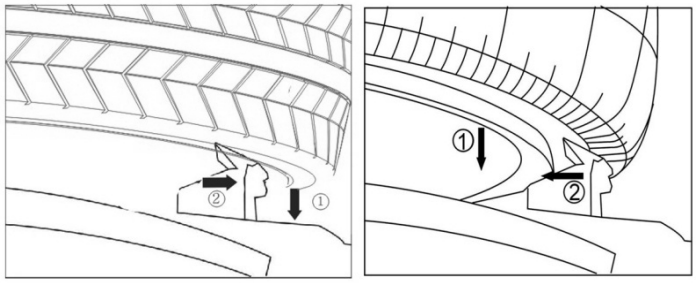


Fig. 15

External clamping (fig.15b)

- Position the clamps to the reference point up to 2 to 3cm from the edge of the rim.
- Place the tire on the clamps and press the rim firmly, now press pedal D (fig.14) fully.

Internal terminals (fig.15a)

- Position the clamps toward the center of the turntable.
- Place the tire on the clamps and press pedal C(fig. 14) to the clamps come out, the tire is now clamped.

: Make sure the rim is properly clamped before .

WARNING! Never keep your hands on the wheel: moving the arm to working position may cause the hand to be crushed between the mounting head and the rim.

- Now bring the swing arm (1, fig.16a) inward.
- Unlock the vertical arm (2, fig.16a) by pulling the arrest lever (3, fig.16) toward you.
- the vertical arm (2, fig.16a) so that the mounting head rests on the top edge of the rim and tighten it again with the arresting lever (3, fig.16a), the mounting head should be 1mm from the top of the rim and 2mm from the outer edge

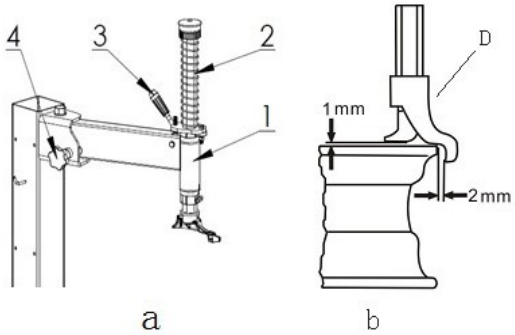


Fig. 16

of the rim to avoid scratching the rim (fig.16b). Adjust the distance from the outer edge with adjusting knob 4 (fig. 16a).

- Coat the rim and tire with tire grease.
- Place the tire lever between the tire and the front part of the mounting head now place the edge of the tire over the mounting head (Fig. 17).

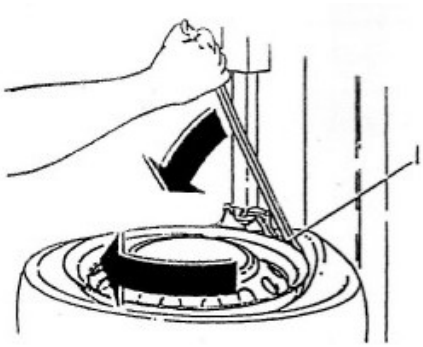


Fig. 17

: In order to avoid damaging any inner tube, there must be be ensured that the valve is 10 cm to the right of the mounting head (Fig.18).

WARNING! Bracelets, necklaces, loose clothing and foreign objects in the vicinity of moving parts can pose a danger to the person operating the machine serves.

- With the tire lever in this position (Fig. 17), rotate the turntable clockwise by pedal A(Fig. 19), keep the pedal depressed until the tire is completely detached from the rim.
- If there is an inner tube the rim, remove it.
- Repeat this operation for the other side of the tape (Fig.20).

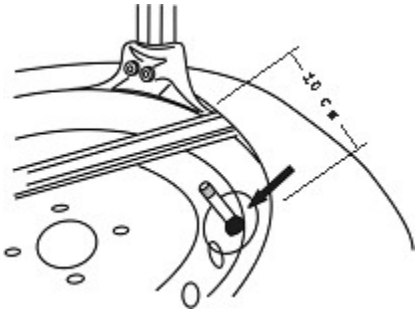


Fig. 18

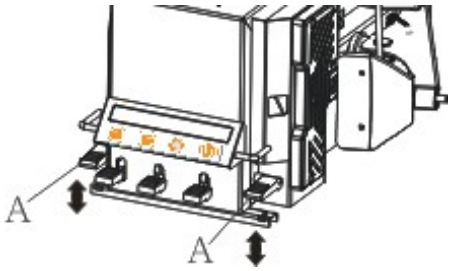


Fig. 19

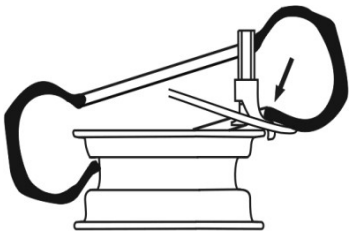


Fig. 20

Mounting the tire

WARNING! It is extremely important that you check the tire and rim both properly to prevent the tire from exploding during inflation. Before mounting the tire, be sure of the following:

The tire and canvas must not damaged, if you notice any damage, DO NOT mount the tire.

The rim is not dented or warped. Be careful with aluminum rims, micro cracks cannot be seen with the naked eye. This can cause damage to the rim/tire and can also be a source of danger, especially during inflation.

The diameter of the rim and tire should exactly the same. NEVER attempt mount a tire on a rim if you cannot read the diameter of either.

- Lubricate the edges of the tire with Fabbri tire grease, this will prevent damage to the tire and make the assembly work go more smoothly.

WARNING! While clamping the rim NEVER place your hands under the tire, to clamp the tire properly, position it in the middle of the turntable.

- Clamp the rim onto the turntable.

WARNING! Never keep your hands on the : the displacement of the arm to working position can cause the hand to be crushed between the mounting head and the rim.

To avoid accidents, keep your hands and other body parts as far away from the mounting arm as possible when the turntable is rotating.

CAUTION! The turntable should always turn clockwise during assembly and disassembly. Turning counterclockwise is only for any corrections, or when the turntable sticks.

- Move the strap so that it under the front part of the mounting head and so that it is pressed against the edge of the mounting head at the rear (Fig.21B).
- Keeping the tire pressed down into the rim with your hands, press pedal A (fig. 19) to rotate the turntable clockwise. Continue this until the tire is fully seated in the rim (fig.22A).
- If there is an inner tube, insert it now, then repeat previously mentioned steps for the other side of the tire until the tire is completely in the rim (fig.23).

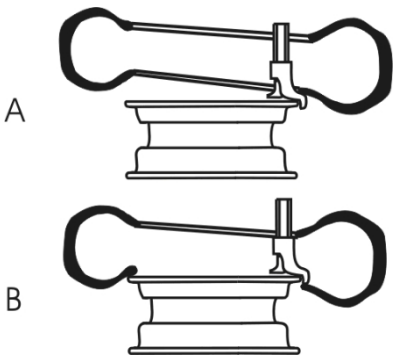


Fig. 21

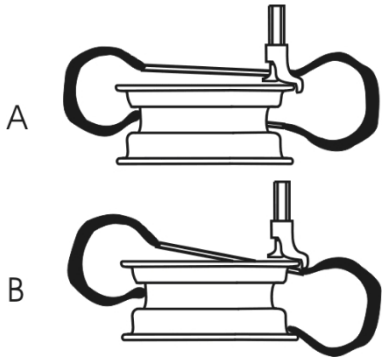


Fig. 22

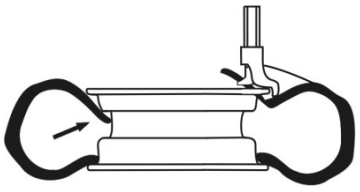


Fig. 23

Inflating the tire

WARNING! Inflating the tire requires great care. Strictly adhere to the instructions below, as the tire changer is NOT designed and built to protect the operator (or people around the machine) should the tire explode.

DANGER! An exploding tire can seriously injure and even the operator. Check carefully that

the rim and tire are the same size.

Look carefully at the wear of the tire and whether there is any damage before you start inflating.

Inflate the tire using short jets of air, checking the tire pressure after each air jet.

Each Fabbri tire changer is automatically limited to a maximum inflation pressure of 3.5 bar (51 psi). UNDER NO CIRCUMSTANCES EXCEEDS THE PRESSURE RECOMMENDED BY THE MANUFACTURER.

Keep your hands and body as far away from the belt as possible.

When higher pressure is needed, remove the tire from the turntable and continue inflation while standing in a special protective cage (commercially available)

ONLY specially trained personnel should perform this operation. Do not allow other people to operate the machine or come near the machine.

- Place the valve connection lever up. Apply the air gun to the valve and make sure it is completely over the valve. If the gun is properly seated on the valve block it by pushing the lever on the valve connection down.
- Check that rim and tire are the same size.
- Check that the rim and tire rim are sufficiently greased, if , lubricate them with the special suitable grease.
- Fill the tire intermittently and continuously check the pressure on the gun pressure gauge until the tire has "set" properly.
- Now screw the inner valve back into the valve. Continue inflating the tire with short jets of air and keep checking the pressure continuously until the desired pressure is . Then screw the valve cap back on the valve.

5. Maintenance

PROHIBITED! Unauthorized personnel may not perform maintenance work

- Regular maintenance, as described in this user manual is essential for proper operation and long life of the tire changer.
- When maintenance is not performed regularly, it can adversely affect the operation and reliability of the machine, putting both the operator and people nearby at risk.

CAUTION! Before doing maintenance work, disconnect compressed air and electricity. Then use the heel breaker 3-4 times unloaded to release all pressure from the circuit.

- Defective parts should only be replaced by professional personnel and only original manufacturer's parts should be used for this purpose.
- Removing or tampering with safety devices (pressure limiters and control valves) is strictly prohibited.

! The manufacturer cannot be held responsible for complaints arising from the use of spare parts from other manufacturers or for damage caused by removing or tampering with safety devices.

Maintenance work

- Clean all moving parts with diesel fuel and lubricate these parts regularly.
- Clean the turntable weekly with diesel to prevent accumulation of dust and dirt, and lubricate the guides of the clamp claws.
- For the following work at least once every 30 days;
- Check the oil level in the air cleaner kit. When the oil needs , unscrew the reservoir and refill the oil here. Use only Zion Air B32 oil for air tools.
- Check that a drop of oil is injected into the reservoir every 3-5 times the heel breaker pedal is pressed. If it does not, regulate it with the adjusting screw located on the oil reservoir.
- After the first 20 days, the bolts on the clamping claws.
- When power loss occurs, check if the drive belt is tight enough, do this as follows;

CAUTION: Disconnect the machine from the power supply before working.

- Remove the panel on the left side of the machine by loosening the 4 socket head screws.
- Adjust drive belt tension as .
- Periodically check that the vertical arm is moved 2mm away from the rim when you arrest it, if it is not you should adjust it.

Standard periodic maintenance protocol

	OK	Not in order	Not in , solution!	HIGRATION!
- Check that the clamp claws ncg tightened properly there - Check it for wear, deformation and cracks			- When loose, tighten bolts. - Clamps replaced.	
Check the wear parts of the montzgekop for wear.			Replace with original parts	
Check the montqge head (9) for deformation, wear and cracks.			Replaced with original part.	
Check that the bolts of the column g oed fixed it.			Tighten bolts.	
- Check the clamping plate of the vertical arm for deformation, wear and tear. - Check that the clamping plate is tight.			- Replaced with original part. - Adjustment.	
Check that all moving parts are clean and deployed.			Clean and grease all moving parts	
Inspect the cable, gland and connections of the power supply.			Parts of power supply cable repair/replace	
Check air lines for wear and/or .			Replace	
Check air switches for leaks/play			Adjust or replace air switch.	
Silencers control.			Clean or replace.	
Check the adjustment of the air pressure of the Tire Pump (it mqg be at least 3.5 bar).			Adjust	

6. Specifications

Rim diameter externally fixed	10"-18"
Rim diameter internally fixed	12"-22"
Max. tire diameter	960mm (38")
Max band width	330mm (13")
Force on heel breaker blade (10 bar)	14000N
Workload	8-10 bar (116-145 psi)
Max pressure inflator	3.5 bar (50 psi)
Supply voltage	220V
Engine Power	1.1kW (230V 1-phase)
Rotational speed	6-8rpm
Operating noise level	< 70 dB (A)

7. Warranty

1. The warranty takes effect on the date indicated on the purchase receipt and is for 12 months.
2. The warranty is not transferable without written authorization from Your supplier.
3. No warranty claim can be without a purchase receipt.
4. Warranty applies only if the product is used according to the provided and only for the purpose for which it was designed.
5. No changes should be made to the product.
6. The warranty does not apply to improper use.
7. Any shipping costs are not covered by the warranty provision.
8. Repairs should be made exclusively by Your supplier. Any repair(s) performed by third parties will void the warranty claim.
9. Repairs during the warranty period will not extend the validity. However, a three-month repair warranty will be issued should the regular warranty period expire.
10. Any maintenance work to be performed, described in the operating instructions, should be carried out in a timely manner.
11. For warranty, please contact only the point of sale where you the item.

Parts lists and drawings, Parts lists and drawings, Ersatzteilliste und - Zeichnungen

This list is only for the reference of the maintenance personnel. The manufacturer will not be held responsible for any use other than the designed purpose.

In case any damage occurs, please contact your dealer or factory with the corresponding codes in the list

SPARE PARTS LIST								
No.	**Code**	**Description**	**Qty.**		**No.**	**Code**	**Description**	**Qty.**
2065561 Parts of Column & Arm (Fig. 34)								
101	2065562	Vertical Column	1		119	2037801	Locking block Handle	1
102	6000146	Self locknut M20	1		120	6000163	Retainer ringΦ16	1
103	6000141	Washer Φ20	2		121	6000148	Lock nut M8	1
104	2065641	Hook	1		122	6000121	Hex nut M8*30	1
105	6000126	Hex nut M6	1		123	2065572	Hexagonal column	1
106	3005271	Adjust Handle	1		124	3005188	Hexagonal column washer	1
107	2065567	Swing arm	1		125	2052501	Washer 34*10*5	1
108	2005601	Connect Screw	1		126	6000184	Hex nut M10*25	1
109	6000387	Hex screw M10*30	1		127	2045001	Support ring	2
110	3005190	Knob	1		128	6000290	Hex nut M10*60(black half thread)	4
111	2005401	Spring	1		129	6000134	Washer Φ10	8
112	6000296	Hex screw M8*45	1		130	6000143	Lock nut M10	4
113	6000139	Washer Φ8	1		150	2004501	Complete mounting head	1
114	6000143	Self locknut M10	1		151	2004601	Mounting head	1
115	6000134	Washer 10	1		152	2004701	Contact roller	1
116	2065573	Locking plate	1		153	2004801	Contact roller screw	1
117	6000187	Hex screw M10*55	1		154	6000225	Hex nut M10*16	2
118	3000501	Locking block Handle cover	1					

2005801 Parts of Turning Table Assembly (Fig. 35)								
201	2005901	Turn table	1		233	2007301	Connecting rod	4
202	6000129	Hex nut M16*40	1		234	2007101	Spacer ring	1
203	2065256	Washer	1		235	2007001	Control plate	1
204	2007501	Jaw	4		236	6000127	Hex nut M8	4
205	2006601	Big slide	2		250	2011701	Complete clamping cylinder	2
206	2051801	Washer 16*30*10	2		251	6000145	lock nut M16*1.5	1
207	6000134	Washer Φ10	4		252	2012001	piston rod	1
208	6000247	Screw M10*90	4		253	3005157	Y type seal ring	1
209	2007401	brushing	4		254	3005074	T-union IPL6-01	2
210	2007601	Washer 80*70*3	1		255	3004701	O seal 68.3*3.5	2
211	6000196	Retaining ringΦ70	1		256	2012001	Piston	1
212	6000148	Nut M8	4		257	3005250	O seal 75*5.7	2
213	6000139	Flat washer8*22*2	4		258	6000144	Self lock nut M12	1
214	2012301	Cylinder pin	2		259	2011801	Cylinder	1
215	6000180	Pin 2*20	4		260	2012201	Cylinder rear cover	1
216	2007701	Slide support	2		261	6000308	Screw M5	8
217	2006201	Small slide	2		262	6000194	Washer Φ5	4
218	6000102	Screw M8*20	4		263	2012401	rod	4
230	2006801	Turn plate assemble	1		264	2012101	Cylinder front cover	1
231	2064227	Turn plate	1		265	2064398	Brushing	1
232	6000128	Hex nutM8*25	4		266	3005249	O seal 16*24	1
2010801 Parts of Rotating Valve Assembly (Fig.36)								
300	2010801	Complete rotating valve	1		304	2011001	Rotating valve casing	1
301	2010901	Rotating valve core	1		305	6000356	Union M3*5	4
302	3005085	T-union IPD6-01	2		306	3005004	T-union IPC6-01	2
303	3004601	O seal 59.5*3.1	3					

2064938 Gearbox assemble（Fig.36）								
307	3000801	Oil ruler	1		321	2064158	Oil seal cover	1
308	3000901	Oil ruler casing	1		322	3004501	O seal 35*3.1	1
309	6000121	Screw M8x30	5		323	6000168	Bearing 30205	2
310	2009201	Upper cover	1		324	2009601	Worm screw	1
311	6000166	Bearing 6010	1		325	6000337	Key 6*6*20	1
312	2009401	Gearbox shaft	1		326	3005127	Seal 25*40*8	1
313	6000102	Screw M8x20	1		327	6000170	Key 12*8*50	1
314	6000199	Washer 8	1		328	6000112	Screw M6*12	1
315	2037201	Flat washer	1		329	6000101	Key 12*8*40	1
316	2009701	pulley	1		330	6000204	Pin 8*16	1
317	2009501	Worm gear	1		331	6000200	Flat washer 10*30*2	6
318	6000167	Bearing 6208	1		332	6000181	Screw M10*160	6
319	2009301	Bottom cover	1		333	2064938	Complete gearbox	1
320	6000148	Lock nut M8	5					
2012501 Parts of motor assembly（Fig.36）								
400	2012501	Motor assemble	1		406	6000192	Screw M8x35	4
401	4003101	Motor 220V 1.2KW 50HZ（standard）	1		407	6000139	Flat washer 8x22x2	8
	4002801	Motor 380V 0.75KW 50HZ（optional）			408	6000134	Flat washer 10x20x2	3
	4003201	Motor 110V 1.2KW 60HZ（optional）			409	6000336	Screw M10	4
402	2012701	Motor pulley	1		410	3003601	Washer	6
403	6000130	Screw M6*10	2		411	6000199	Washer Φ8	4
404	6000237	Belt A660	1		412	6000127	Screw M8	4
405	2012601	Motor support	1		413	4004444	Capacitor	1
2065595 Part of body assembly（Fig.37）								
501	2065543	Frame	1		524	6000325	Flat washer 6*16*2	2

502	2065776	Foot space frame	1		525	6000180	Pin 2*20	2
503	2065580	Side cover	1		526	3005025	Silencer PSL-1/4	4
504	6000431	Screw M6*16	4		527	3005005	L union IPC8-01	2
505	6000198	WasherΦ6	4		528	3005066	L union IPL8-01	1
506	6000138	Flat washerΦ6	4		529	2010701	Spring	1
507					530	4000201	Switch	1
508	3001201	Five way valve	2		531	3005031	Switch cover	1
509	3001301	Spacer	10		532	6000125	Screw M5	2
510	3005012	O seal 7.9*4.0	12		533	3001501	Rod casing	2
511	3005004	L union IPC6-01	2		534	2010501	Long pedal	2
512	3005067	T union IPB8-01	1		535	6000119	Screw M5*12	2
513	6000112	Screw M6*12	4		536	2037501	Switch plate	1
514	2013001	Rod	2		537			1
515	6000175	Screw M8	2		538	6000253	Screw M6*16	5
516	2013101	Adjust rod	2		539	6000325	Flat washer6*18*1.6	5
517	6000232	Pin 4*18	2		540	3005273	Rubber buffer	1
518	2013001	Bar	2		541	3005276	Small rubber buffer	1
519	6000143	Lock nut M10	2		542	3000101	Rubber buffer piece	4
520	6000134	Washer 10*22*2	2		543	4001001	F.L.R. QYWC-L8 0.05-1.2MPA	1
521	2009901	You support	1		544	3005074	L union IPL6-01	1
522	2010601	Short pedal	3		545	3005026	Copper Coupling (F.L.R)	1
523	2010301	L support	1					
2065790 Parts of bead breaker cylinder (Fig.38)								
600	2065792	Complete bead breaker cylinder	1		609	3004401	O seal 185*5.7	1
601	2011201	Bead breaker cylinder	1		610	2011301	Cover	1
602	3005066	T union IPL8-01	1		611	2011601	Screw	2

603	6000114	Screw M6*20	12		612	3005027	Bearing	1
604	3005029	Y seal 170*185*11	2		613	3003401	Y seal 20*30*7	1
605	3005028	Piston ring	1		614	6000140	Washer 22*29*0.5	1
606	2011401	Piston	1		615	6000178	Retainer ring 30	1
607	3004301	O seal 20*2.4	1		616	3005010	L union IPL8-02	1
608	2011501	Piston rod	1		617	6000233	Lock nut M6	12
2065574 Parts of bead breaker arm （Fig.38）								
631	2038401	Bead breaker ring	1		636	3000701	Hand cover	1
632	6000136	Washer 16*30*2	3		637	2065654	Shovel cover	1
633	6000318	Lock nut M16	3		638	3005134	Pin	1
634	2065575	Bead breaker arm	1		639	2065654	Washer	1
635	2065652	分离铲组焊件	1		640	2064378	Screw M16*110	1
1002113 Simple help arm（optional）（Fig.39）								
F701	6000110	Screw M10*40	4		F716	6000128	Screw M8*25	4
F702	6000134	Washer 10*22*2	4		F717	2064204	Support	2
F703	3003201	Valve cover	1		F718	2064221	Pin for main arm	1
F704	4000301	Rise fall control valve	1		F719	2064213	Complete cylinder	1
F705	6000344	Screw M16*30	2		F720	2064219	Connecting plate	2
F706	2064210	Main arm	1		F721	2039601	Cylinder cover	2
F707	2064205	Secondary arm	1		F722	2064220	Screw	4
F708	2037401	Washer 38*10*4	1		F723	2064214	Y seal(90*140)	1
F709	6000226	Screw M10*16	1		F724	3005132	Y seal 90*75*8.5	2
F710	6000235	Adjust handle	1		F725	2064216	Piston	1
F711	6000295	Screw M8*20	6		F726	2064215	Piston rod	1
F712	3005146	Tire pressing head	1		F727	6000148	Self lock nut M8	8
F713	3005063	Cover	1		F728	3005074	Union IPL 6-01	4
F714	2064222	Locking block	1		F729	6000234	Hand knob M12*S40	1
F715	2064203	Fixing plate	1		F730	2064215	Piston rod	1

Parts drawings

Column

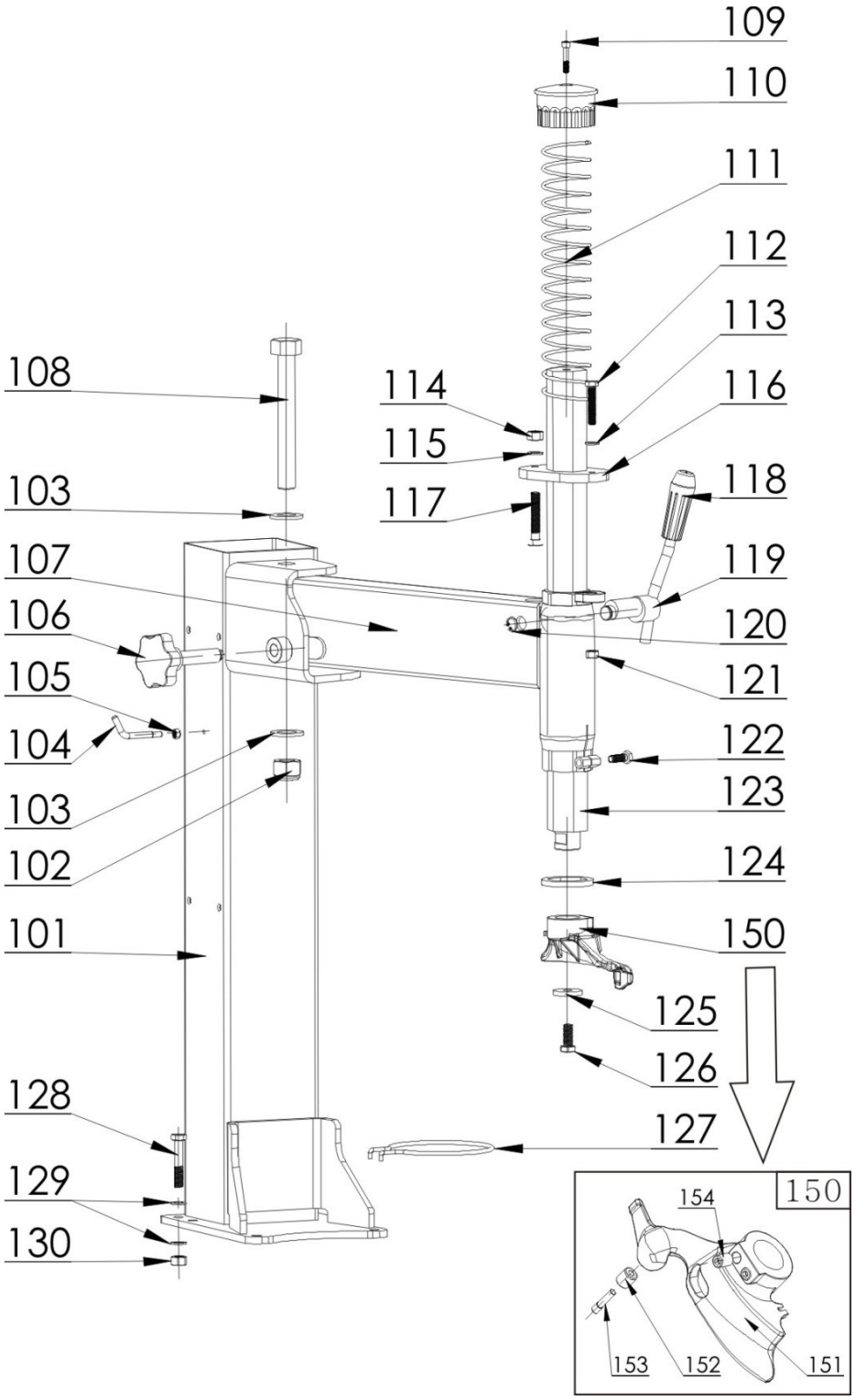


Fig. 34

Turntable

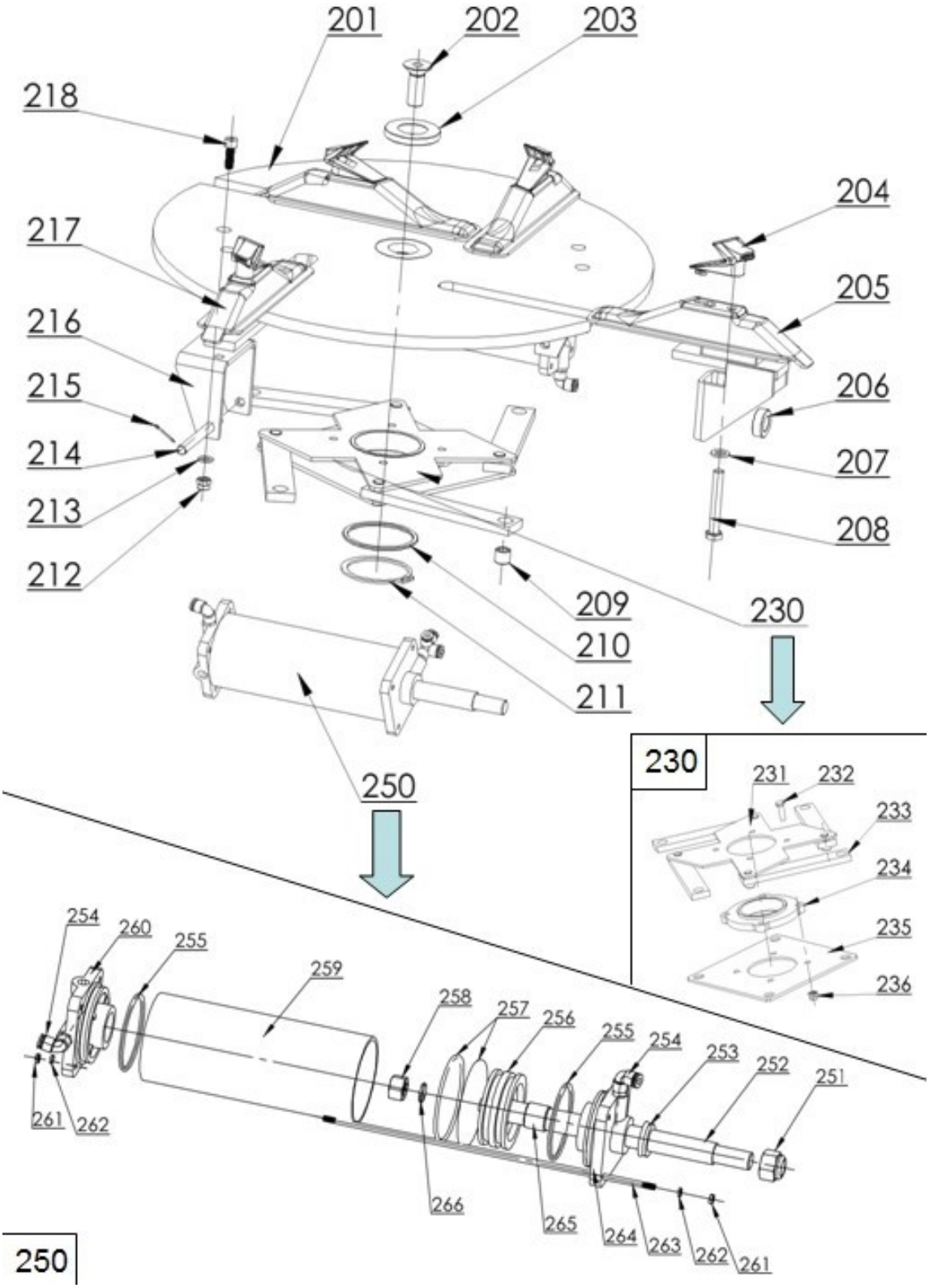


Fig. 35

Gear and motor

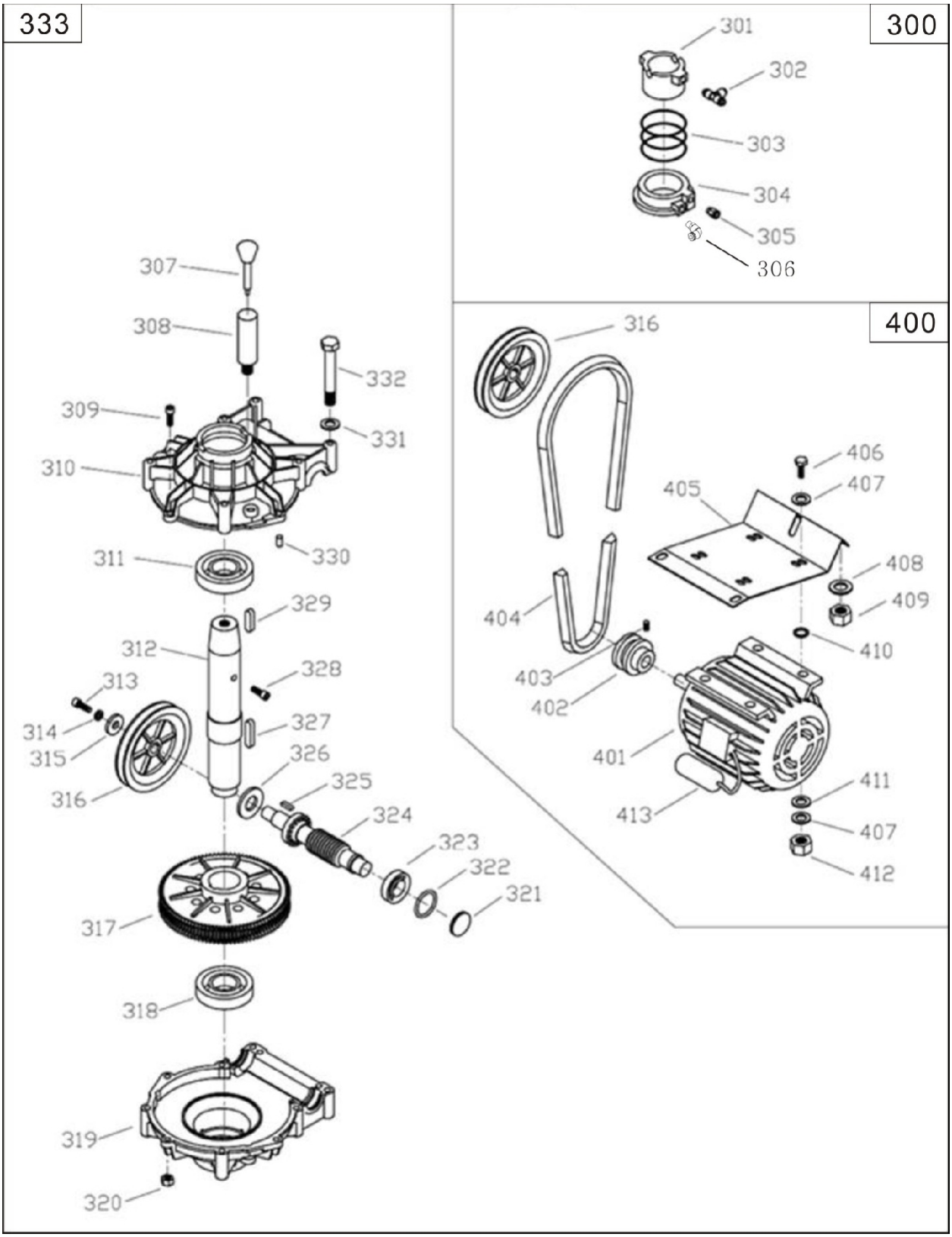


Fig. 36

Frame

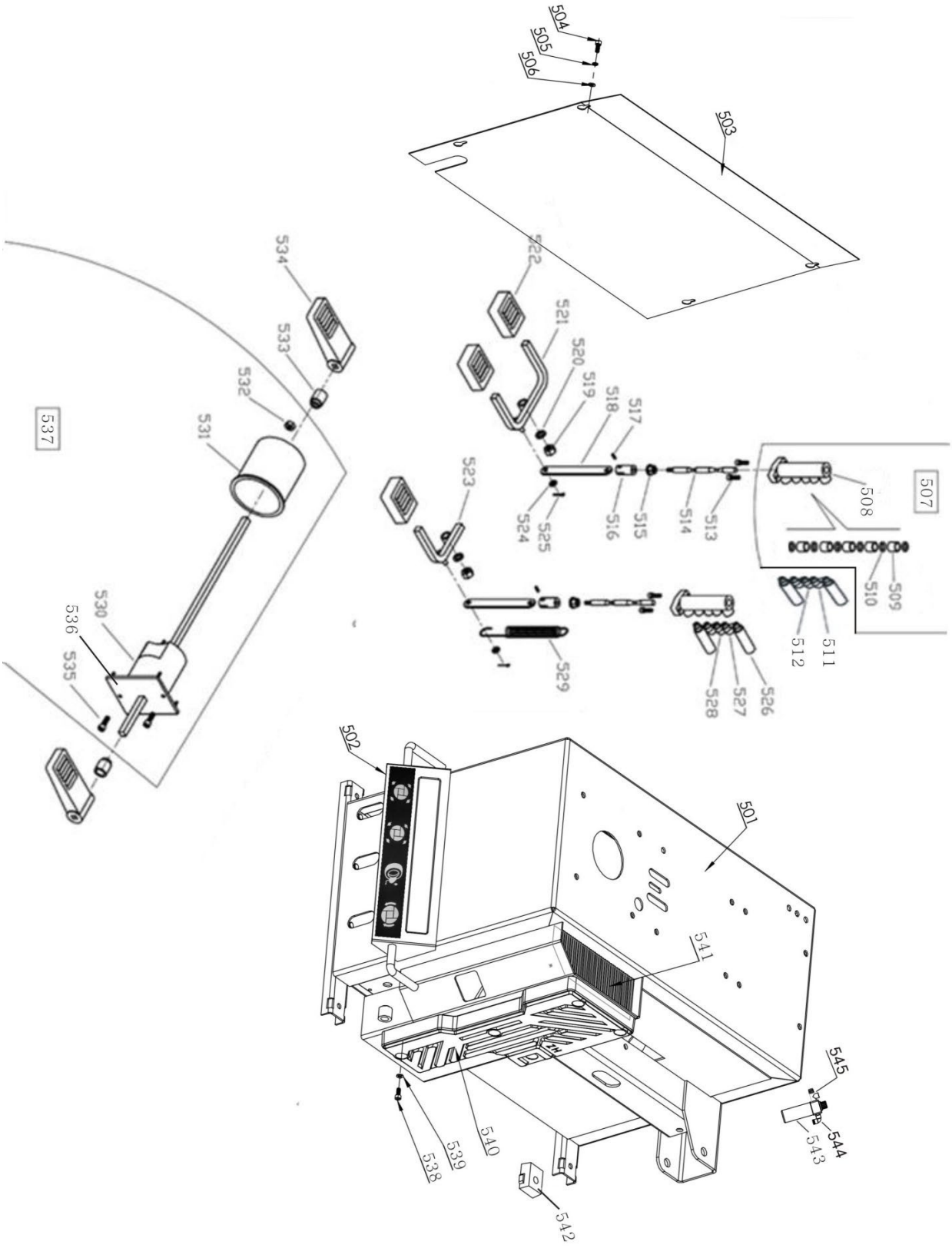

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Fig. 37

Heel breaker

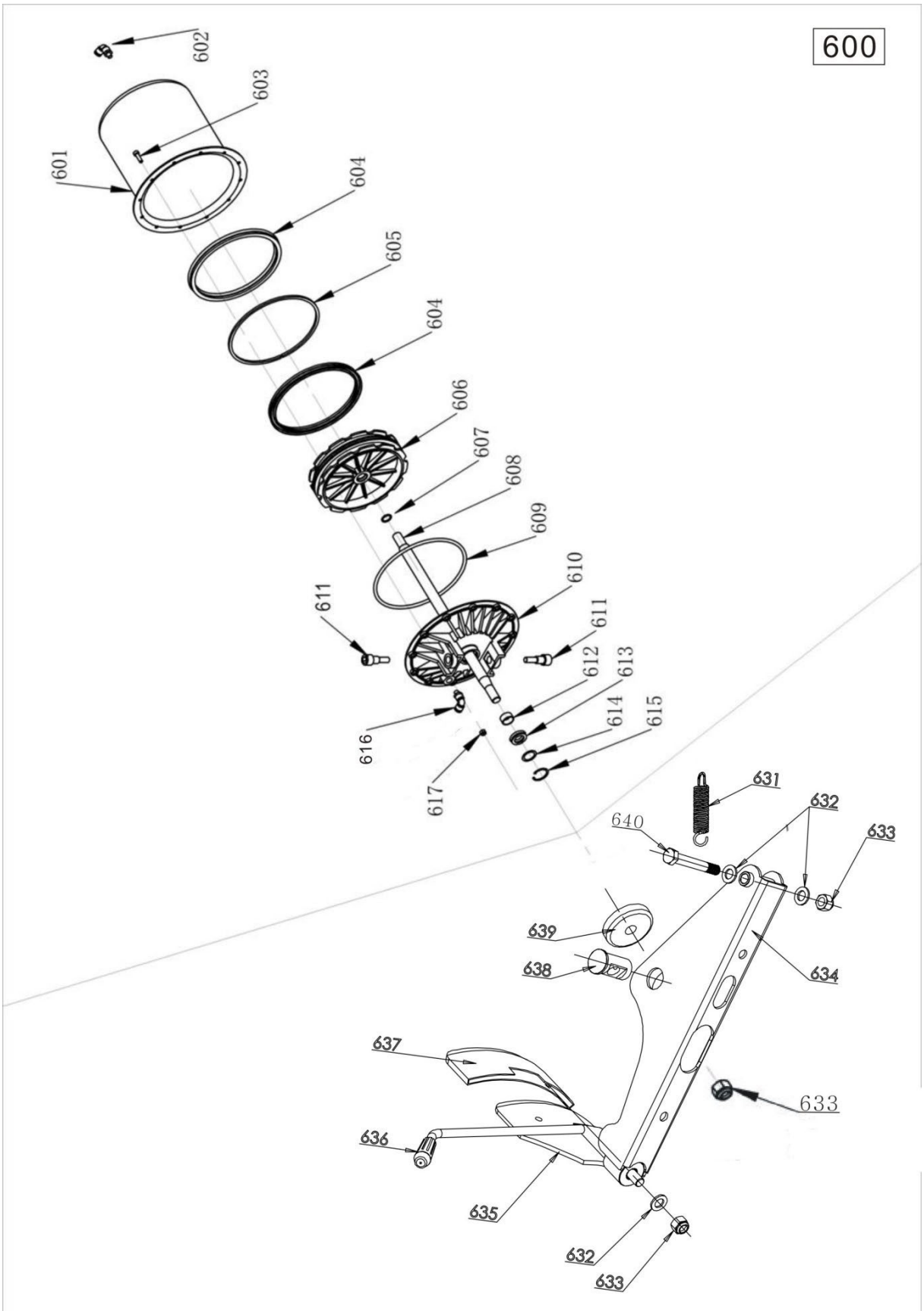

Fig. 38

Electrical diagram

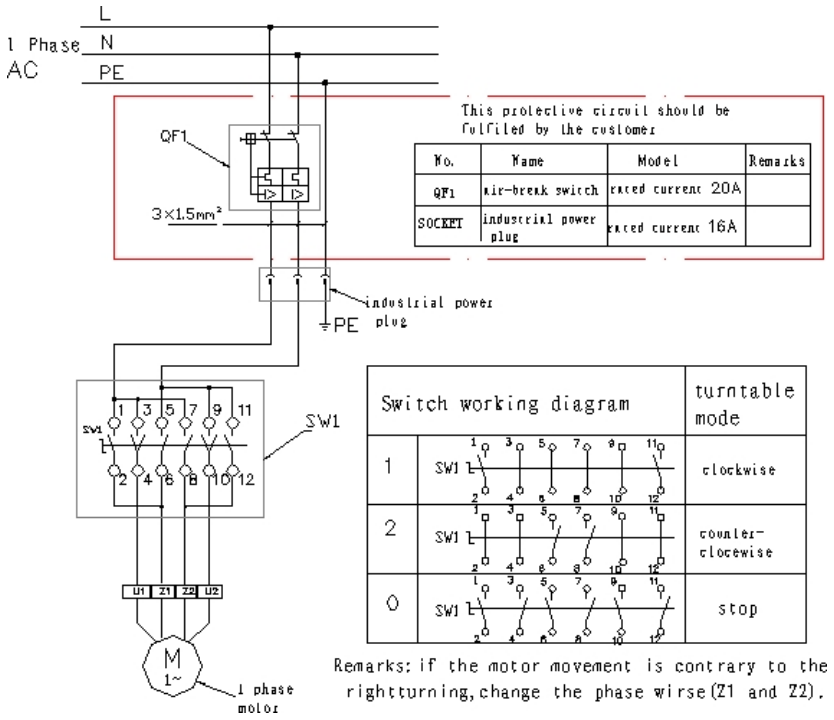

Fig 40

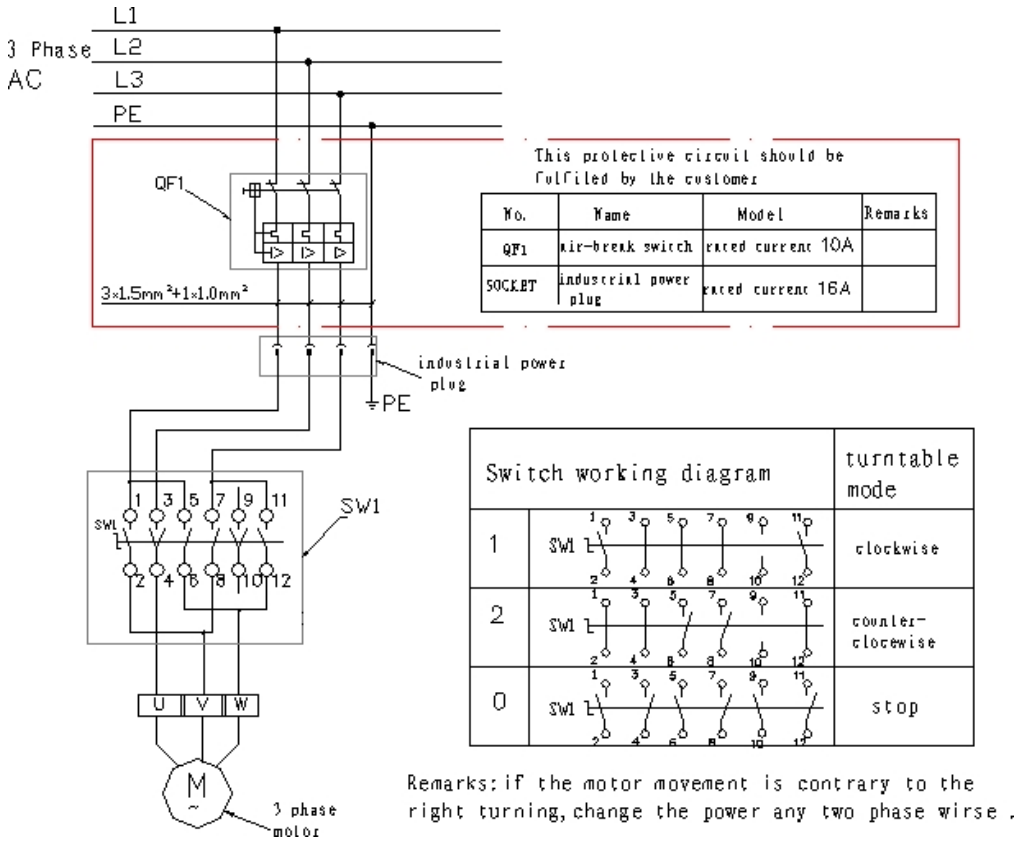

Fig. 41

Pneumatic diagram

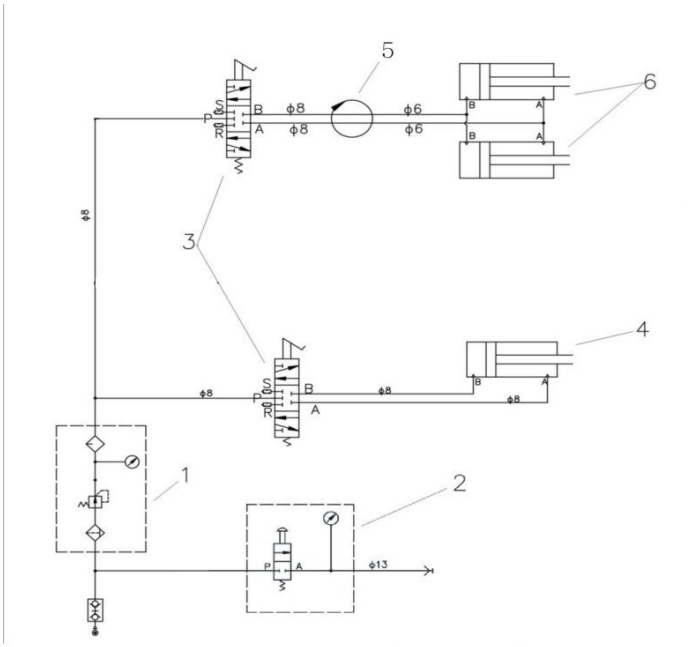

Fig. 42

1. Filter unit FR+L
2. Inflation gun
3. Five-way valve
4. Bead breaker cylinder
5 Rotating valve assembly
6 Locking cylinder

Optional accessories

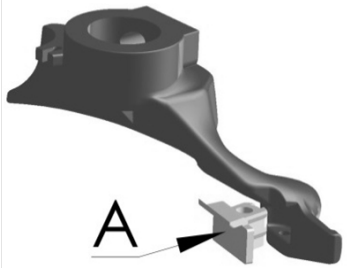

Fig. 43

Mounting head for alloy rim (Fig.43) (Optional)

These are special plastic protectors designed for use light alloy rims.

Motorcycle adaptor（Fig.44）(Optional)

It can demount and mount 8"--24" motorcycle tire. 4 pcs/set

Fig. 44

Maintenance/Examination legend, Maintenance/Examination, Legenda Wartung / Inspektion-Legende

Name of user/Name of user/Name des Nutzers: Address data/Address data/Address data:	Date of commissioning/Date of commissioning/Datum der Inbetriebname:

Control - Inspection - Kontrolle

Date/Date/Date	In order/Okay /In Ordnung 	Not okay, decommissioning/ Not okay, decommissioning/ Nicht in Ordnung, Außer Betrieb gestellt 	Signature/Signature/Inscription

EC Declaration of conformity - Declaration of conformity - EG-Konformitätserklärung - Declaration de conformité - Dichiarazion di conformita - Declaracion de conformidad

We, Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, the Netherlands, declare entirely under our own responsibility that the products
We, Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, the Netherlands, declare under our dole responsability that the receiver
Wir, Valkenpower BV Industrieweg 4, 6051 AE Maasbracht, Niederlande, erklären in alleiniger Verantwortung, dass das Produkt
Nous, Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, The Netherlands, déclarons sous notre seule responsabilité que le reservoir
Noi, Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, the Netherlands, dichiariamo sotto la nostra responsabilià che
La empresa, Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, the Netherlands, declara, bajo su responsabilidad, que

Type **Model** **Type** **Type** **Tipo** **Tipo**	**Description** **Description** **Beschreibung** **Description** **Descrizione** **Descripción**	**Brand** **Fire** **Marke** **Marque** **Marca** **Marca**
ZH620	**Tire changer**	**Fabbri**

To which this statement relates are in compliance with the following standards:
To which this decleration relates is in conformity with the following document: EC type-examination Certificate
auf welches sich diese Erklärung bezieht, den folgenden Normen entspricht:
Auquel se réfère cette déclaration est conforme à le document suivant: Attestation d'examen CE de Type
A cui si riferisce dichiarazione, corrisponde ai suguenti documenti: Attestazione CE di tipo
Al que se refiere la presente declaración, corresponde a los siguientes documentos: Certificación CE de tipo

The Machinery Directive: 2006/42/EC
Following the provisions of Directive: 2006/42/EC
Die Maschinenrichtlinie 2006/42/EG
Conformément aux dispositions de la Directive: 2006/42/EG
Comformemente alla direttiva: 2006/42/EC
Conforme con la norma: 2006/42/EC
Netherlands, Maasbracht, 01-04-2025

Director Valkenpower

B.A.H Valkenburg

Valkenpower BV, Industrieweg 4, 6051 AE Maasbracht, The Netherlands