CONDITIONS OF SALE AND WARRANTY

1. Read carefully this operator's handbook before operating our P10 corking machine.
2. M.E.P. guarantees his P10 corking machine in case of breakages caused by faulty components or incorrect assembly.
3. Our P10 corking machine has a 24-month guarantee which starts from the first operating of the machine (as long as it is within the next 20 days from its leaving our factory). This guarantee is valid only for the first owner of the corking machine.
4. Warranty only consists in replacing the damaged parts and it does include neither refunds for losses caused by the stopping of the machine nor any cost of labour or any transport cost to send the corking machine to a repair shop.
5. Any repair or modification made to the machine by unauthorized personnel will make the warranty decline.
6. We cannot be held responsible for damages due to incorrect use of the corking machine, lack in carrying out the maintenance operations or problems arisen during transport.
7. M.E.P. reserves the right to introduce changes without previous notice to the P10 corking machine; however, the supply of spare parts of the previous models will be guaranteed.

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1. DESCRIPTION OF THE P10 CORKING MACHINE

Our P10 corking machine meets the requirements of those wine-growers who need a good quality product at a reasonable price.

Our P10 corking machine is almost entirely made of stainless steel to make cleaning easier. Moreover all those parts which could come into contact with the corks are made of materials that do not react with the air (such as stainless steel, brass, plexiglass, chromium-plated steel), in order to prevent all chances of polluting corks with rust splinters or whatever other substances bad for health. Even the internal mechanisms, such as connecting rods and levers, are galvanized.

The inner mechanisms subject to movements are supported by ball-recirculating elements, in order to guarantee a higher precision of functioning and a restrained wear.

All moving gears are protected by safety guards and those parts which the operator must reach often, such as the cork container and the jaws, are fitted up with easily removable safety guards. The latter are equipped with a sensor so that the corking machine cannot work when these guards are removed.

SAFETY SYMBOLS:

General danger

Caution: refer to the operator's handbook

Caution: rotating gears. Severing of fingers.

2. OPERATING DIRECTIONS

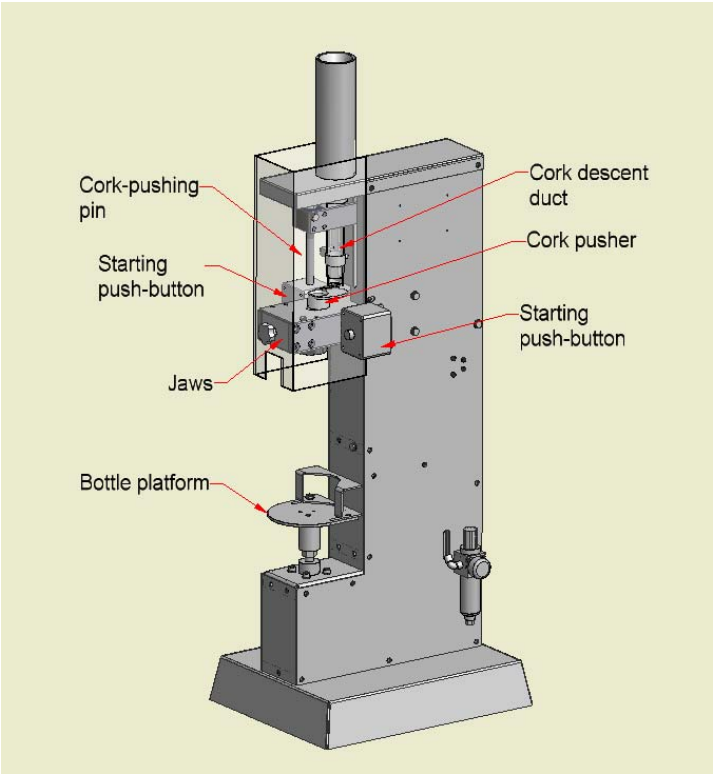
Our P10 corking machine positions the cork within jaws which squeeze it down to the size of the neck of the bottle. In this way less stress is needed to push the cork down into the neck of the bottle with the advantage of not damaging the cork itself that will expand once it is inserted and ensure a good seal.

Corks must be manually pushed down the cork descent duct (see picture 1) which can hold 7-8 of them at a time.

To start the corking machine a bottle must be placed on the bottle platform, the two starting push-buttons must be kept pressed for a couple of seconds (see picture 1). Then the jaws go down and compress the cork which is afterwards inserted into the neck of the bottle.

When the cork is not yet completely inserted, the bottle platform starts to go down so that a part of the cork remains outside the neck of the bottle.

At this point the two push-buttons can be released to start the cycle of return off. This means the raising of the jaws, the ascent of the cork-pushing pin and the rotation of the cork pusher which picks up a cork from the cork descent duct and drives it into the jaws, ready to be used next time.



Picture 1.

3. TECHNICAL DETAILS

Standard equipment:

- manual cork loading
- cork size diameter 24-30 x 50 mm.
- bottle height up to 390 mm.
- corking time approximately 3 seconds

Optional equipment:

- wheeled support model A (made of stainless steel)

P10 Corking machine

Height: 1140 mm.

Width: 335 mm.

Length: 385 mm.

Weight: 48 kg.

Pneumatic cylinder

Advised feeding pressure: 6.5 - 7 bar

Feeding pressure for tough corks: 7 - 8 bar

Cylinder - 1: bore 50 mm.; stroke 150 mm.

Cylinder - 2: bore 80 mm.; stroke 125 mm.

Air consumption for each corking (7 bar): 14.1 NI

Air consumption for each corking (8 bar): 15.8 NI

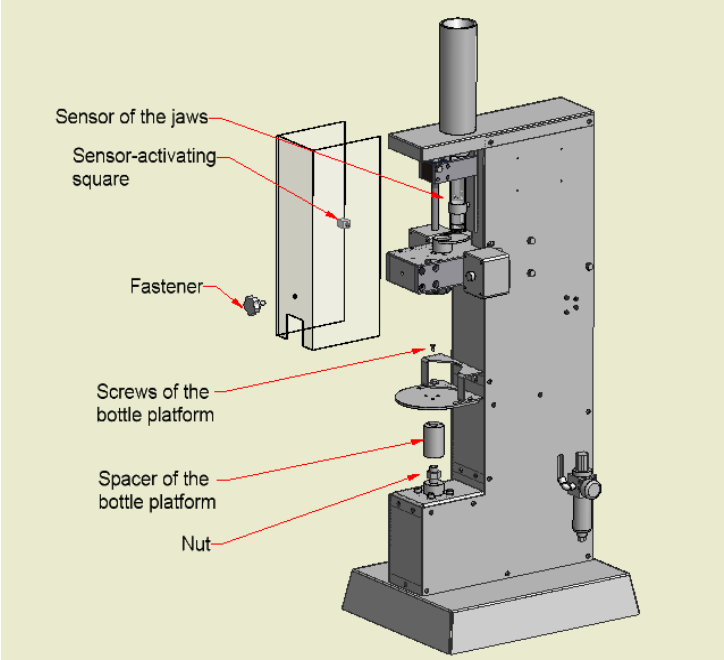
4. INSTRUCTIONS FOR USE

- Positioning. The P10 corking machine should be placed on a steady support in a lit up room.

In case the P10 corking machine is fitted up with a wheeled support, make sure it is placed on an even ground.

- Clean all the parts that come into contact with the corks, such as cork descent duct, cork pusher, jaws, cork-pushing pin.
- Take off the antiscratch light blue or white nylon film from the front plastic safety guard, tighten the fastener and make sure the brass sensor-activating square, which is screwed on the safety guard, can activate the sensor of the jaws (see picture 2).
- Check that the top of the bottle placed on the bottle-platform is not further than 4 or 5 cm. from the lower part of the bottle-guide cone (see picture 2); otherwise, change the spacer of the bottle-platform through the longer one supplied with the machine. To carry out this operation, undo the three screws with countersunk head located under the bottle-platform (see picture 2); then undo the spacer by holding tight the nut underneath. It should be noted that it is possible to obtain a precise height adjustment by screwing enough the spacer of the bottle-platform and then retightening its nut.

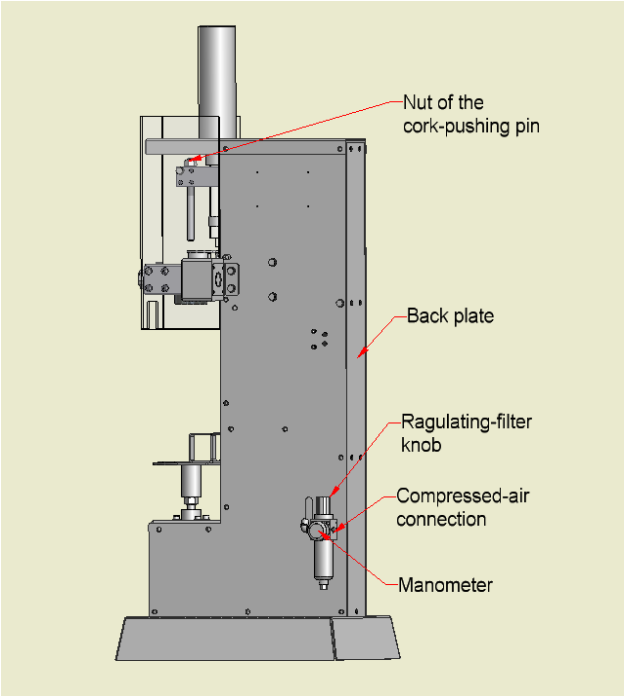
- Connect the corking machine to the compressed-air feeding using the connection (see picture 3). Set the air feeding at 6.5 - 7 bar using the knob of the regulating-filter and checking the pressure level on the manometer. The knob of the regulating-filter must be lifted up and turned clockwise or anticlockwise in order to increase or decrease the pressure level and then lowered once again at the end of the regulation.



Picture 2.

- Insert the corks down the descent duct.
- Now the corking machine is ready to be used and both the cork-pushing pin and the jaws should go up. Place a bottle on the bottle platform and the corking is carried out by keeping pressed the starting push-buttons for a couple of seconds.

- At the end of work disconnect the feeding so that the cylinder drains the air and the jaws go down.



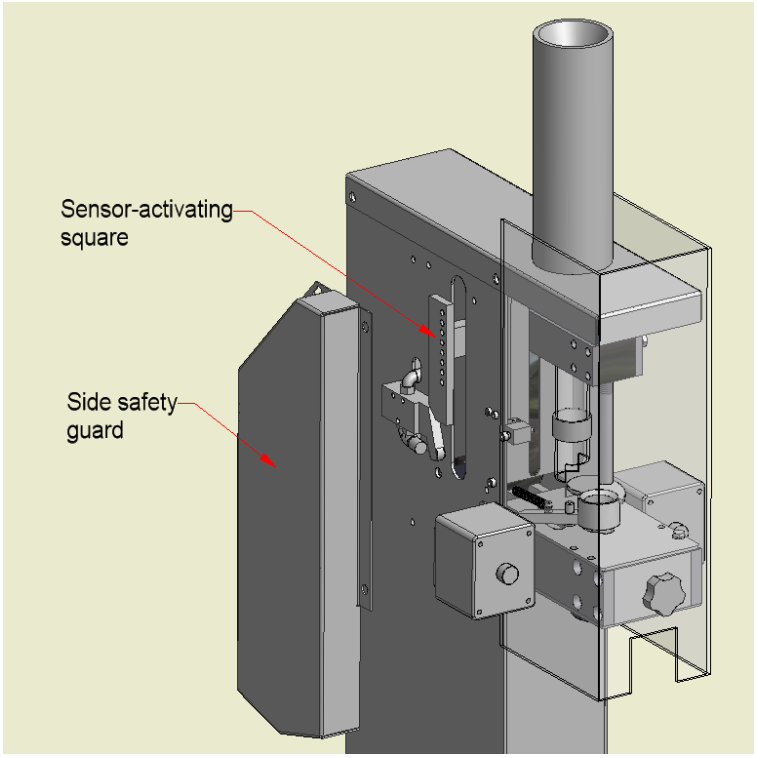
Picture 3.

If it is needed the cork to be inserted deeper or higher in the neck of the bottle, the fastening nut (see picture 3) must be loosened and the cork-pushing pin turned: the last is threaded then it can be moved up and down.

If one hasn't obtained the wanted result in this way yet, it is necessary to adjust the system of descent of the bottle platform. To do this, take off the side safety guard by unscrewing the screws (see picture 4), position the sensor-activating square into other holes and tighten the screws (see picture 4).

When lowering this plate, the descent of the bottle platform can be anticipated and then the part of the cork which remains outside the neck of the bottle increased; by positioning this plate higher, one obtains the opposite result.

When positioning the sensor-activating square in its higher position, it is possible to cork corks close to the top of the neck of the bottle.



Picture 4.

5. FAULTS AND REMEDIES CHECK LIST

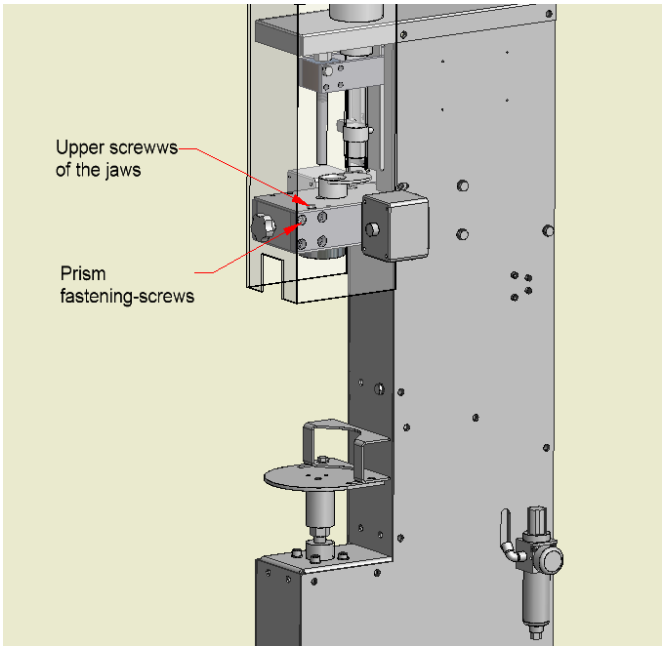
IMPORTANT

Before intervening on the machine always disconnect the air feeding and wait until the jaws go down.

- In case the corking machine does not start check that the fastener of the plastic safety guard is tightened in the correct way and the sensor-activating square can start properly the sensor of the jaws.

In case the corking machine still does not start, the back plate should be removed (see picture 3) in order to check that all the hoses are connected properly.

Anyway it is advisable not to go on trying too long and if the problem persists turn to the manifacturer.



Picture 5.

- In case the cork is not inserted properly, especially if the part of the cork which remains outside the neck of the bottle gets damaged, it is necessary to adjust the tightening of the jaws.

Our P10 corking machine is set to compress the corks up to a diameter of 16 mm. To use it with synthetic stoppers or particularly strong corks, it is advisable to adjust the diameter of tightening to 15 mm.

To carry out this operation, the screws which fasten the prism of the jaws (see picture 5) must be loosened and the prism itself must be moved 1 mm. towards the corking machine.

The above mentioned screws are tightened inside buttonholes so that the adjustment of the prism is easier. At the end of this operation the screws of the prism must be tightened once again.

- In case the corks are not picked up precisely by the cork pusher, it is necessary to adjust the stroke of the cork pusher itself (the cork pusher is fastened to the jaws' upper plate) (see picture 5). To do this, the six upper screws of the jaws must be loosened and

the upper plate of the jaws can be moved towards the corking machine or in the opposite direction.

- In the event of the corking machine vibrating, the front plate must be taken off and the slides lubricated with oil.

- In case the jaws do not easily reach the end of the cycle position (open position), it is advisable to drop some drops of oil inside them and let the machine do a couple of blank strokes. Before starting work it is better to clean the jaws to prevent the oil from dirting the corks.

ATTENTION

In the event of strong vibrations of the machine immediately release the starting push-buttons and contact the manifacturer.

6. MAINTENANCE

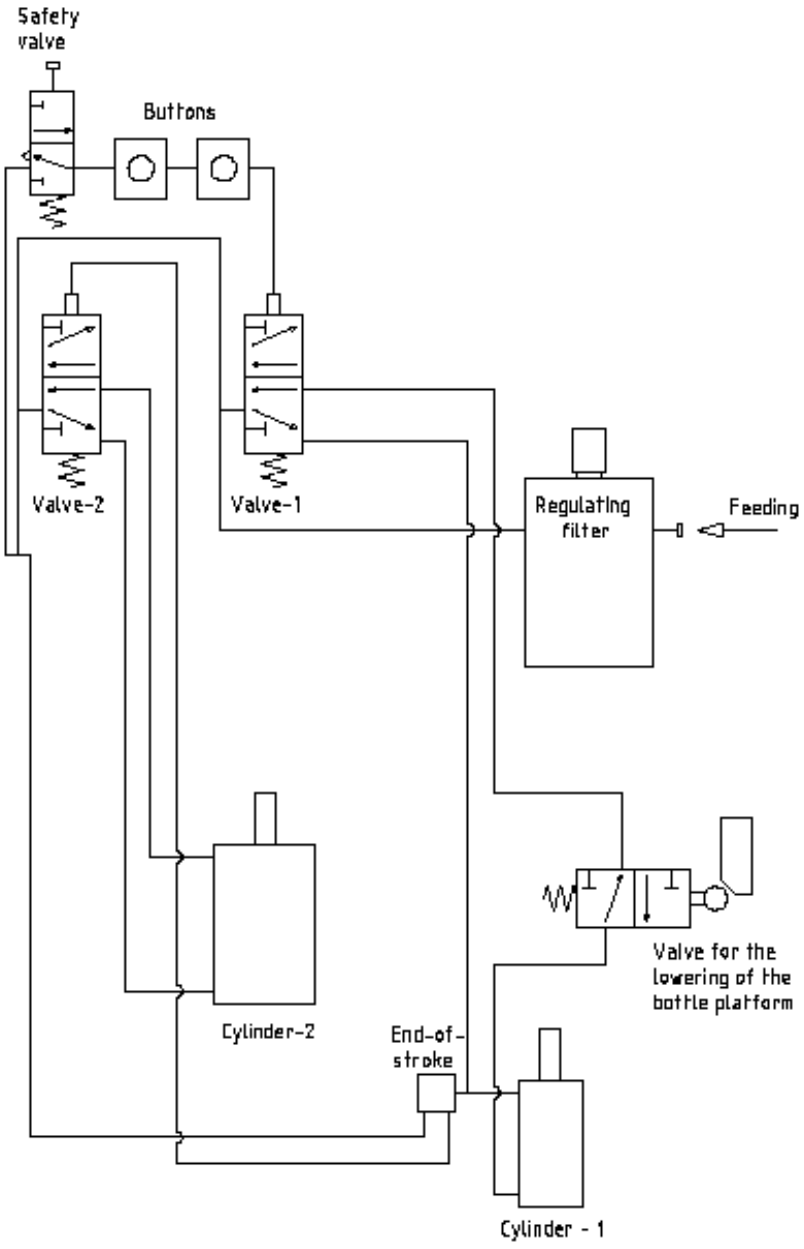
A long machine working life is dependent upon constant and methodical compliance with the following instructions:

- take off the front safety plate and lubricate the slide;
- clean the jaws from any cork dust;
- lubricate the inside of the jaws and remove the excess oil before starting work.

At the end of each season we recommend to:

- carefully clean the machine and the jaws;
- store the machine in a dry place and cover it up with a cloth or a nylon film in order to prevent the dust from crusting over the corking machine.

PNEUMATIC SYSTEM OF THE P10 CORKING MACHINE



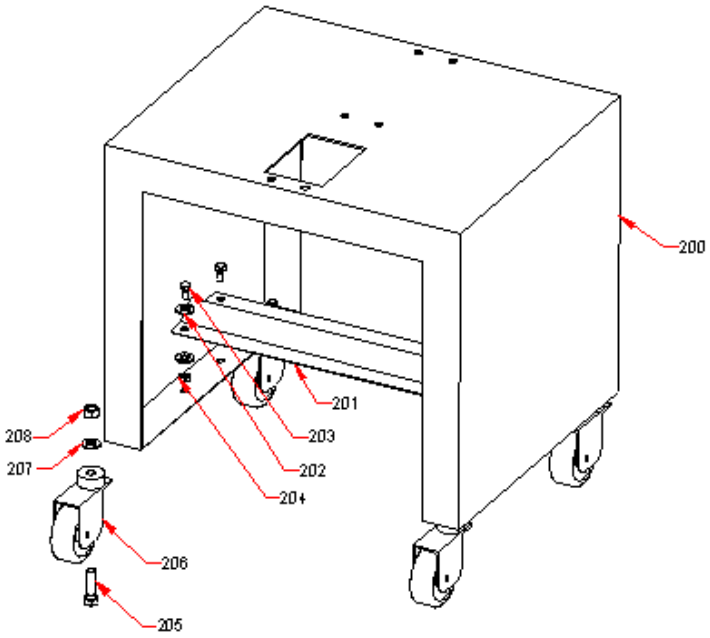
POS.	DESCRIPTION	REF.
1	Lower support	Tap1644
2	Threaded bushing	Tap1403
3	Cylindrical head screw M10x20	Tap0328
4	Nut M20	Tap0338
5	Cylinder 50 mm - 150 mm	Tap0413
6	Washer for screw M10	Tap0307
7	Screw M8x16	Tap0302
8	Washer for screw M8	Tap0303
9	Right side plate	Tap1630
10	Cylinder 80 mm - 125 mm	Tap0414
11	Curve 3/8 - hose 8 mm.	Tap0402
12	Nut M50	Tap0337
13	Rod	Tap0517
14	Nut M16 short	Tap0347
15	50 mm cylinder fastening-plate	Tap1646
16	Cylinder fastening-plate (brake)	Tap1648
17	Handgrip with screw M8x16	Tap0208
18	Screw M8x20 ZA	Tap0308
19	Screw M8x16 ZA	Tap0348
20	Platform	Tap0509
21	Countersunk head screwM5x12	Tap0333
22	Nut M8	Tap0306
23	Reference for bottle	Tap0508
24	Cylindrical head screw M5x55	Tap0347
25	Nut M4	Tap0329
26	Curve 1/8 - hose 8 mm.	Tap0403
27	Curve 1/8 - hose 4 mm.	Tap0404
28	T connection 1/8 - hose 8 mm.	Tap0405
29	Adapter for hose 8 mm. - 4 mm.	Tap0406
30	Valve 5/2	Tap0407

POS.	DESCRIPTION	REF.
31	Manometer	Tap0408
32	Screw M4x45	Tap0340
33	Three-way connection - 4 mm	Tap0415
34	Curve 1/4 - hose 8 mm.	Tap0410
35	Regulating filter	Tap0411
36	80 mm Cylinder safety guard	Tap1649
37	Connection	Tap1337
38	Push-button	Tap0227
39	Cylindrical head screw M4x20	Tap0341
40	Sensor	Tap0412
41	Upper plate	Tap1638
42	Cork-loading cone	Tap1656
43	Chain protection cap	Tap1639
44	Left side plate	Tap1631
45	Back plate	Tap1635
46	Slide	Tap0233
47	Screw M8x30 ZA	Tap0348
48	Cylindrical head screw M6x20	Tap0312
49	Curve 1/8 for 6 mm hose	Tap0416
50	Moving part	Tap0234
51	Connection	Tap1314
52	Cylindrical head screw M8x16	Tap0313
53	End-of-stroke device	Tap0417
54	Spacer 110x20	Tap1036
55	Pin side-plates	Tap1312
56	Nut M5	Tap0316
57	Screw M5x30	Tap0319
58	Spring	Tap0007
59	Nut M14	Tap0349
60	Elastic ring diameter 15 mm.	Tap0211

POS.	DESCRIPTION	REF.
61	Pin diameter 15 mm.	Tap1023_1
62	Side plate	Tap1303
63	Bearing SKF 4302	Tap0226
64	Fork	Tap0702
65	Bearing SKF 625-2Z	Tap0228
66	Cylindrical head screw M5x20	Tap0331
67	Spacer	Tap0716
68	Spring	Tap0004
69	Plate	Tap0709
70	Spring-angle bar	Tap0705
71	Threaded angle bar	Tap0704
72	Prism for the jaws	Tap0701
73	Plate	Tap0708
74	Countersunk head screwM4x16	Tap0325
75	Cone	Tap0713
76	Washer for screw M6	Tap0330

POS.	DESCRIPTION	REF.
77	Screw M6x12	Tap0324
78	Screw M5x30	Tap1313
79	Block	Tap0719
80	Cork pusher	Tap0801
81	Safety guard	Tap0714
82	Connection	Tap0213
83	Cork descent duct	Tap1213
84	Upper plate	Tap1910
85	Cork-pushing pin	Tap1315
86	Wedge	Tap1339
87	Hydraulic brake	Tap0422
88	Brake supporting-plate	Tap1653
89	Countersunk head screwM6x16	Tap0353
90	Sensor-activating square	Tap1655
91	Rod for sensor-activating squar	Tap1654
92	Sensor	Tap0423

WHEELED SUPPORT MODEL A (OPTIONAL)



POS.	DESCRIPTION	REF.
200	Frame	Tap1645
201	Support	Tap1651
202	Washer for screw M8	Tap0303
203	Screw M8x16	Tap0302
204	Nut M8	Tap0306
205	Screw M12x35	Tap0344
206	Plastic wheel	Tap0238
207	Washer for screw M12	Tap0345
208	Nut M12	Tap0346