



ENG

INSTRUCTION for use a POWER-PERFO

Please read and keep this instruction



Instruction

English

POWER-PERFO

Article number:

1000

**Before bringing Power Perfo into serve, you have to read this
absolutely**

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1.0 Specification

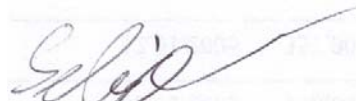
Supply voltage	230 V AC
Input	500 W; 2,3 A
Number of revolutions	1000 – 2000 U/min
Weight	3,2 kg
Noise pressure level	81 dB (A)
Hand-/arm vibration	4,98 m/s ²

2.0 CE Declaration of conformity

We announce in sole accountability, that this product agree on the following standards or normative documents : EN ISO 12100-2 and EN 60745-1, according to the terms of the guideline 73/23/EWG, 89/336/EWG, 98/37 EG.



Thomas Kraus
Betriebsleiter



Hans Schiffhauer
Fertigungsleiter

Korbach Werkzeug Co. GmbH & Co. KG

3.0 Advice of security

Before all workings at the machine, please disconnect the mains plug!

Only use blameless and fort he application suitable Cutter heads. Maintenance and service only by qualified sevice personel. Only use original spare parts.
See supplement „General advices of security“

Transport

You have to turn back the depth adjustment so far as at the transport of the machine, that the cutter heads don't jut out over the hood top.



Prescription of accident control 1.2 Noise (VBG 121)

The contractor has to provide the insurant, who is involved with the region of noise, with things, which secure the sense of hearing. The insurants have to use the things, which secure the sense of hearing, in regions of noise.

It could happen that you get an impairment of health while the working without the things which secure the sense of hearing. Particularly it could bring compromise or impairment of the sense of hearing or an increased risk of accident.

3.1 Introduction

This operating instructions helps you to become acquainted with Power-Perfo and use it optimally. You will find administrable information, which help you to diagnose in time and beware risks.

You don't contribute only to your own security but you also decrease the cost of repair and increase the durability of the machine.

All persons, who works with the machine, have to read this operating instructions absolutely before start of work. As well persons, who maintain and administer the machine, have to read and understand the operating instructions.

3.2 Risks while having to do with the machine

Power-Perfo is build by the state-of-the-art and the accepted technical rules. But there can also be risks for life and limb and material assets respectively while the application.

Troubles, which can affect the security, should be cleared immediately..

You can only use the machine

- **for the conventional use**
- **in safety-related good order and condition.**



3.3 Conventional application

Power-Perfo is only conceived for perforate clogged walls coating in dry premises. Another or additional application doesn't comply with the regulations.

Korbach Werkzeug Co. GmbH & Co. KG isn't responsible for herefrom developed damages.

This belongs to the conventional application

- **the observance of all advices of handling from the operating instructions**
- **the compliance of inspection and maintenance workings**

This doesn't belong among other things to the conventional application

- **Using of cutter heads which aren't decontrolled by the producer**
- **Using in the outside**
- **Using in connection with liquids (things which remove the wallpaper etc.)**

3.4 Original parts and Security

Original parts and fittings are especially conceived for Power-Perfo. We point out explicitly that you aren't allowed to use other parts. This can affect adversely the security of the machine.

This apply particularly fort he cutter heads of the machine.

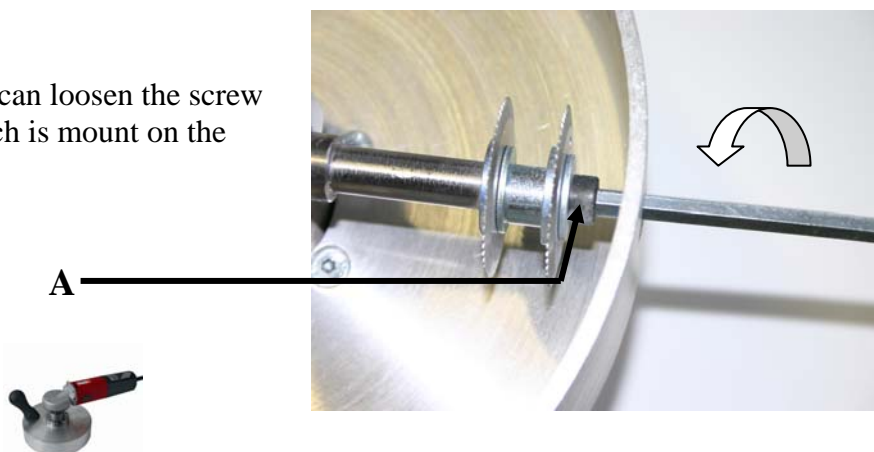
Korbach Werkzeug Co. GmbH & Co. KG exclude each liability for damages which arose from using non-original parts.

4.0 Maintenance and care

4.1 Assembly and change of the cutter heads

Please unplug the mains plug of the socket before the beginning of the change or assembly of the cutter heads!

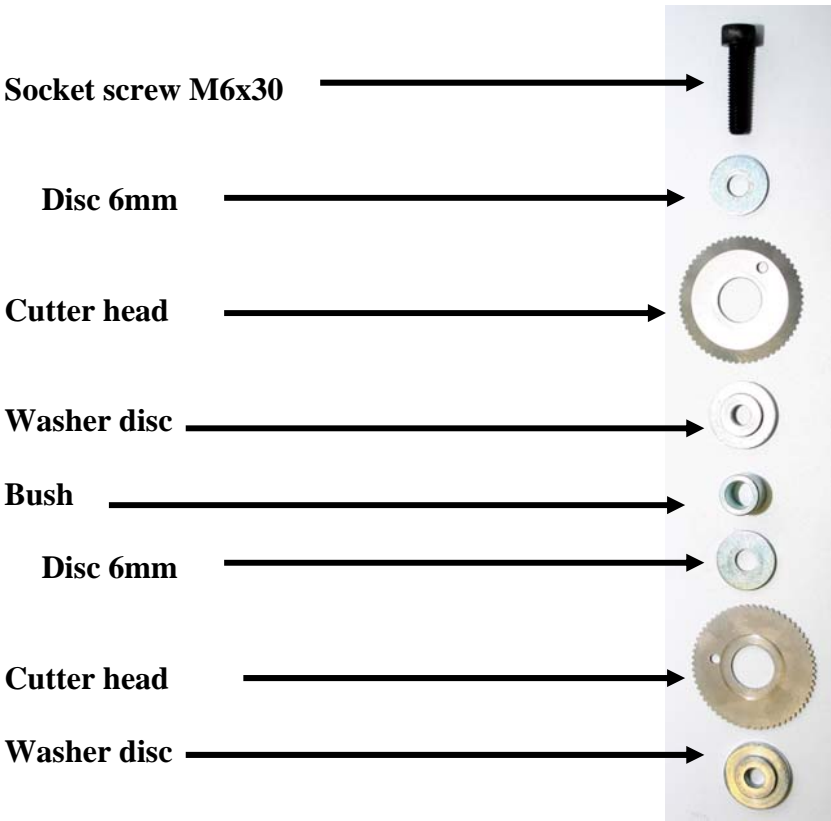
1. With the enclosed socket screw you can loosen the screw -A- 5 mm via an assembly bore which is mount on the side in the hood.



2. Please remove the complete cutter heads items.



3. Please remove all elaborations of the screw, change and assemble the cutter heads according to the picture below.

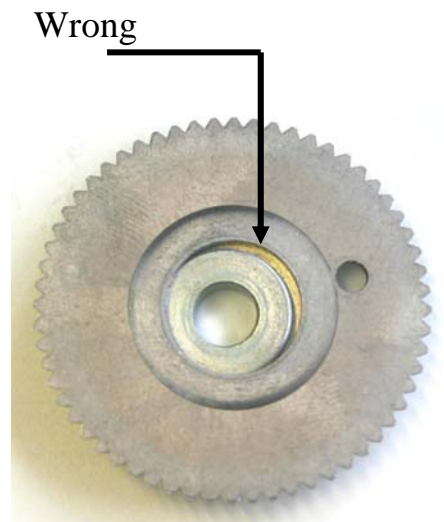


4. Please assemble once again the cutter heads items along the line of step 1.

5. Please repeat the above described manufacturing processes at the axis 2 and 3.



6. While the insertion of the cutter head you have to look that the head overlies exactly in the counter-acting of the washer disc.



4.2 Cleaning

Unplug the mains plug! After each operation you have to clean Power-Perfo using a dry cloth and a brush. Especially the adjusting thread and the cutter heads you have to excuse clearly from dust and other contaminations. You have to look that the cutter heads can swing on their Axis. Furthermore after each cleaning you have to apply some drops of thin fluid lubricant on the thread.

5.0 Appliance

5.1 Starting

If you want to start the machine, you have to take it out the transport case. The cutter heads are factory-adjusted for the transport. (see article 3)

Before you start the machine you have to adjust the right perforation depth.



There you proceed as follows:

- **Calculation of the perforation depth**
 - Remove a part of the wallpaper or of the wall coating
 - Attention, remove all already possibly adhesive arrears of the subsoil
 - The obtained part of the wall coating conforms to the perforation depth and is used for the adjustment.

- **Adjustment of the perforation depth**

- Remove the screw of the locking ring 5 mm with the enclosed socket screw.

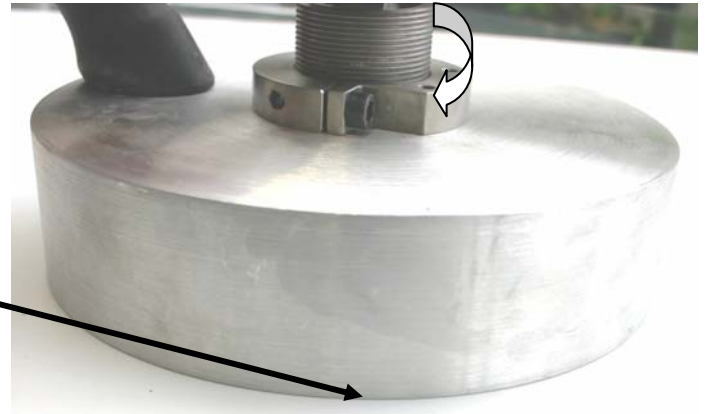


- Lay up the Power-Perfo on a level flat.



The total perforation unit will be served by throwing clockwise the adjusting bushing.

- Turn as long as you encounter resistance.
- Now the cutter heads bear on the basis. (0-Point)
- By further throwing of the adjusting bushing there is producing a clearance between the hood and the coating.
- The clearance conforms to the perforation depth.



- With the removed part of the wall coating before, the clearance will be controlled.
- The part of the wall coating should be moved with light resistance in the gap but without violence.
- The control of the clearance is arranged at the total admeasurement of the hood.
- **Closing you have to activate the screw of the locking ring again.**



5.2 Appliance

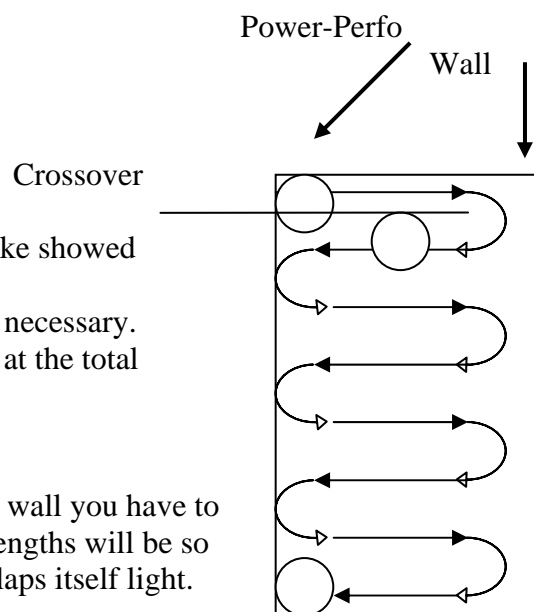
The Power-Perfo perforate on a flat clotted wallpaper and wall coating. The solvent which you have to apply after the perforation can consequently reach faster and more covering the needs behind the wall coating and the wallpaper respectively.



Attention:

To preclude accidents and damages of the machine and real values it have to be assured that all contaminants (nails, dowels etc) were removed at the executed wall.

According to the adjoining picture, you have to enable Power-Perfo, holding with both hands, and than you can attach on the wall. Revolutions steps 1; 1000 U/min



Please go the Power-Perfo on the wall like showed adjoining without to pause.
There isn't a heavy pressing on the wall necessary.
But you have to look after that the hood at the total admeasurment butt against the wall.

To assure a consistent perforation of the wall you have to look that the distance of the horizontal lengths will be so choosed that the area of operations overlaps itself light.
(See above)



Damaged subsoil	Wrong adjustment of the perforation depth	To controll the adjustment and adjust it new See 5.1 Starting
Perforation is not depth enough	Wrong adjustment of the perforation depth	To control the adjustment and adjust it new See 5.1 Starting
	Cutter heads are used up	To change the cutter heads

6.0 Advices for the mode of operation and for the range of speeds of the machine

This machine is equipped with a electronic and with an overload protection and works as follows:

- Bland (without shock) warm-up
- With increasing working pressure, more power yield through the motor, so that the speed will put changeless.If the motor ist overcharged, the electronic breaks the current entry. In this case you have to put single-throw switch immediately on „0“ and start the machine fast as possible again (in unstressed situation) to assure the further cooling (in the idle). Frequent activation of the automatic cutoff show that the machine is overstrained incorrectly.
- Full of power high-frequency troubles can cause variations of revolutions up to 30% . But this disappear, when the troubles are faded away. If there are low adjustment revolutions you can disconnect earlier the machine for safety reasons because of electro-magnetic troubles. In this case, please deactivate and activate the machine again.

Attention: Already if the electronic don't break,there could be a overload danger. This is the reason why a feeling working is necessary – such, that the motor don't overcultivate current and thereby don't broil overly.



Speed pre-selection:

Percentage value step	min ⁻¹
1	1000
2	1200
3	1400
4	1600
5	1800
6	2000

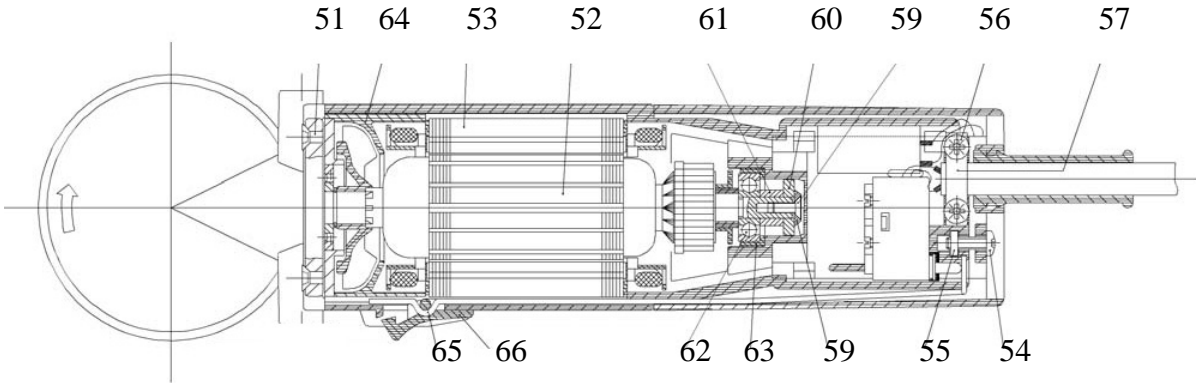
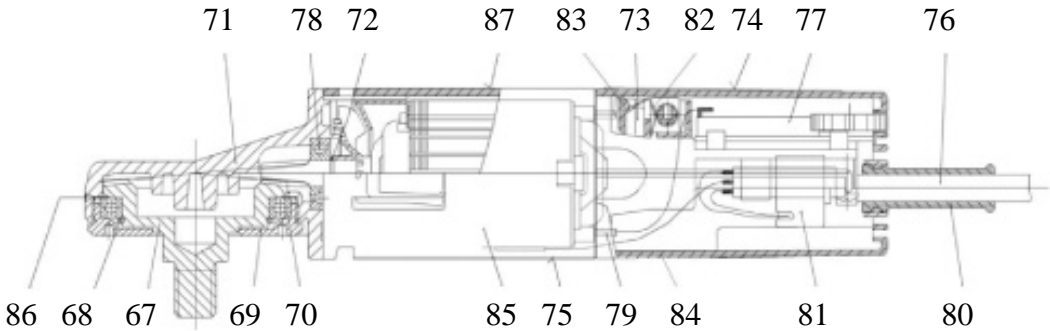
Ample tests run show, that the -step 1; 1000 U/min- has the best result in nearly all cases. Simply in the perforation of wood-chip, which is painted with waterproof colo, is working with revoulutions up to –Step 6; 2000 U/min- more efficient.

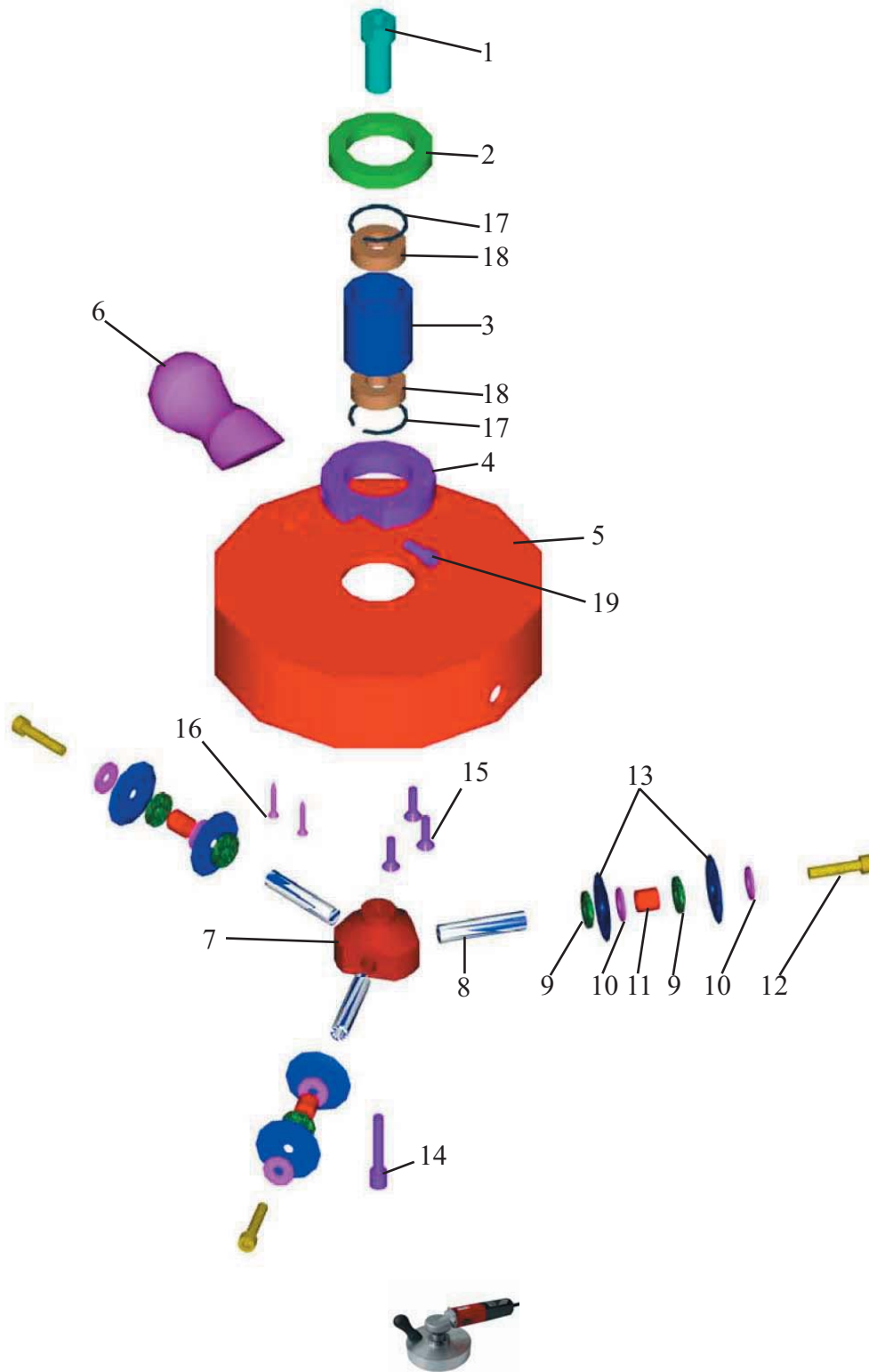
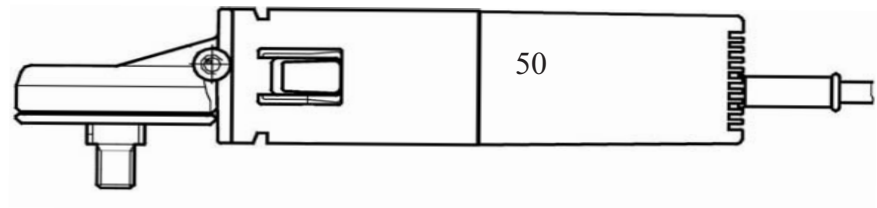
7.0 Trouble shooting

Trouble	Possible reason	Disposal
The machine doesn't start	The current entry is disconnected Broken locking device Damaged cable Damaged plug	An electrical technican can smooth the trouble out or you can change the parts.
High Vibrations	the wear parts of the machine are broken out .	You can send the machine in repair



POWER-PERFO-Motor





Ersatzteilliste 01.03.2005
 Spare parts list
 Liste des pièces de rechange

Pajarito POWER-PERFO

Nr.	St.	EDV Nr.	Bezeichnung	Description	Designation
1	1		Bolzen	Parallel pin	Boulon
2	1		Rändelmutter	Knurled screw	Ecrou moleté
3	1		Einstellhülse	Adjusting bushing	Cosse de réglage
4	1		Klemmring	Locking ring	Anneau de serrage
5	1		Topf	hood	Capot
6	1		Halteknauf	knob	Pommeau
7	1		Drehkranz	Rotating assembly	Couronne de pivotement
8	3		Achse	Axis	Axe
9	6		Laufscheibe	Washer disc	Rondelle
10	6		U-Scheibe	disc	Disque
11	3		Buchse	Bush	Douille
12	3		Inbusschraube	Socket screw	Boulon à 6 pans creux
13	6		Schneidrädchen	Cutter head	Lame ronde
14	1		Inbusschraube	Socket screw	Boulon à 6 pans creux
15	3		Senkkopfschraube	Countersunk screw	Boulon à tête fraisée
16	2		Spanplattenschraube	Raised countersunk head wood screw	Vis à bois
17	2		Sicherungsring innen	Retaining ring	Circlip intérieur
18	2		Rillenkugellager	Ball bearing	Roulement a billes
19	1		Inbusschraube	Socket screw	Boulon à 6 pans creux
50	1		Motor 230 V	Elektric motor 230 V	Moteur 230 V
51	4		PT-Schraube	PT-Screw	Vis-PT
52	1		Anker mit Lüfter	Armature with Van	Induit complet.
53	1		Stator	Stator	Stator
54	1		Linsenschraube	Oval head	Vis à tête bombée
55	1		Vierkantmutter	Square nut	Ecrou carré
56	2		PT-Schraube	PT-Screw	Vis-PT



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Pajarito POWER-PERFO

Nr.	St.	EDV Nr.	Bezeichnung	Description	Designation
57	1		Kabelbride	Cable clip	Collier de serrage
58	1		Senkschraube	Flat head	Vis à tête fraisée
59	1		Scheibe	Disc	Disque
60	1		Ringmagnet	Magnetic ring	Aimant torique
61	1		Distanzbüchse	Distance sleeve	Entretoise
62	1		Rillenkugellager	Ball bearing	Roulement à billes
63	1		Dämmring	Dam-ring	Bague isolante
64	1		Lüfterabdeckung	Fan cover	Capot du ventilateur
65	1		Schaltgestänge	Gearshift fork	Tringle de commande.
66	1		Schalterknopf	Control knob	Bouton de commande.
67	1		Kegelradspindel	Bevel wheel spindle	Axe avec roue conique
68	1		Sprengring	Spring ring	Bague de butée
69	1		Verschlussring	Seal ring	Jonc de verouillage
70	1		Rillenkugellager	Ball bearing	Roulement à billes
71	1		Winkelkopf	Angle head	Manchon
72	1		Sprengring	Spring ring	Jonc de verouillage
73	2		Kohlebürste	Carbon brushes	Balai de charbon
74	1		Drehzahlschild	Speed plate	Plaquette de rotation
75	1		Leistungsschild	Data plate	Plaquette signalétique.
76	1		Zuleitungskabel kompl.	Cable complete	Câble complet
77	1		Elektr. Mit Potent.	Electronics with potent.	Electronique avec poti.
78	1		Rillenkugellager	Ball bearing	Roulement à billes
79	2		Litze mit Steckhülse	Strand with receptacle	Fil avec cosse
80	1		Knickschutz	Cable protective cover	Anticoque
81	1		Schalter komplett	Switch complete	Disjoncteur compet
82	2		Schenkelfeder	Spiral spring	Ressort à branches



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Spare parts list
Liste des pièces de rechange

Pajarito POWER-PERFO

Nr.	St.	EDV Nr.	Bezeichnung	Description	Designation
83	2		Bürstenhalter	Brush holder	Porte-balais
84	1		Schalterkappe	Switch cover	Couvercle d'interrupteur
85	1		Isoliergehäuse	Insulating housing	Boitier isolé

