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Operator & Parts Manual

150 RPM Floor Machine & Heavy Duty Machine



IP17
IP18HD

The Peoples COMPANY

4010901
REV.01(04-2012)

INTERNATIONAL CLEANING EQUIPMENT

READ OPERATOR MANUAL CAREFULLY

IMPORTANT:To ensure full warranty protection,Please fill out & return your warranty card.

Please fill out at time of installation for future reference.

Model No. _____

Serial No. _____

Machine Options _____

Sales Rep. _____

Sales Rep. phone no. _____

Customer ID Number _____

Installation Date _____

HOW TO ORDER PARTS

Only use ICE Company supplied or equivalent parts. Parts and supplies may be ordered online,by phone, by fax or by mail.

1. Identify the machine model.
2. Identify the machine serial number from the data label.
3. Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity.

Do not order by page or reference numbers.

5. Provide your name, company name, customer ID number,billing and shipping address, phone number and purchase order number.





PROTECT THE ENVIRONMENT

Please dispose of packaging materials,old machine components such as batteries,
hazardous fluids, including antifreeze and oil, in an environmentally safe way according to local waste disposal regulations.
Always remember to recycle.

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Fax:0769-8186 3000

Specifications and parts are subject to change without notice.

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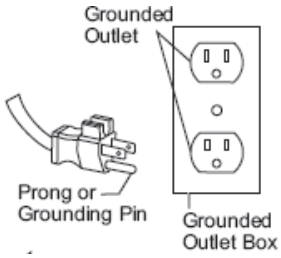
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SAFETY PRECAUTIONS

Carefully read and understand this manual before operating this machine.
This machine must be grounded!

This floor/finishing machine shall be grounded while in use to protect theoperator from electric shock.Grounding provides a path of least resistance for electric current. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not remove the ground pin under any circumstances.

This machine is for use on a nominal 220-volt circuit and has a grounding plug that resembles the plug illustrated in Figure. Make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this machine.



This machine is intended for commercial use. It is constructed for use in an indoor environment and is nor intended for any other use. Use only recommended accessories.

1. Do not operate machine:
– Unless trained and authorized.
– In flammable or explosive areas.
– With a damaged cord or plug
– If not in proper operating condition.
– Unless you have read and understand the operators manual.
– With the use of extension cords.
– In outdoor areas and standing water.

2. Before operating machine:
– Make sure all safety devices are in place and operating properly.

3. When using machine:
– Do not run machine over cord.
– Do not pull cord around sharp edges or corners.
– Do not handle plug with wet hands.
– Report machine damage or faulty operation immediately.
– Do not pull machine by cord or plug.
– Do not unplug by pulling on the cord.
– Do not stretch cord.
– Keep cord away from heated surfaces.

4. Before leaving or servicing machine:
– Turn off machine.
– Unplug cord from outlet.

5. When servicing machine:
– Unplug cord from outlet.
– Use manufacturer supplied or approved replacement parts.

To avoid electrical shock,please replace the power cord immediately if any damage is being detected. The replacement must be performed only by an authorized person or by our customer service center.

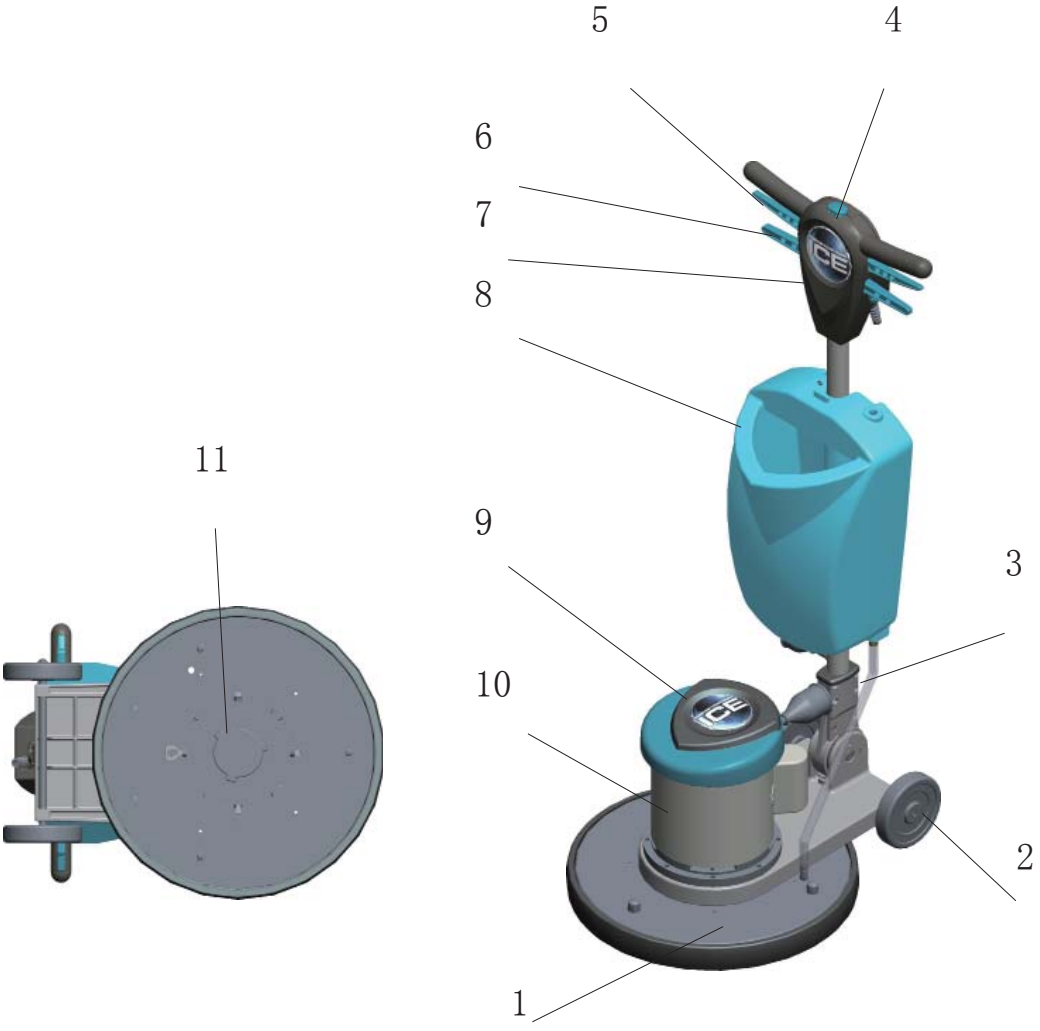
MACHINE COMPONENTS

Machine Description

- New structure design
- 17" 0r 18" Deck alumiunm
- 16" or 17" Pad Driver
- Triple Planetary All Steel Gear Box
- Universal Clutch Plate
- Safety Lock-Out Switch
- 50' Cord
- 66-Frame Motor

Machine Structure

1. Deck
2. Wheel
3. Handle
4. Safety Lock-Out Switch
5. Trigger
6. Leveling Rod
7. Housing
8. Solution Tank
9. Top Cover
10. Motor
11. Clutch Plate



FLOOR MACHINE OPERATING INSTRUCTIONS

General Use:

1) Remove any obstructions or other obstacles in the area which is to be cleaned.
2) Place handle in upright position and tilt machine back until handle rests on the floor.

Be sure the machine is not plugged into an outlet.

3) Remove the pad center gripping device by unscrewing the thumbscrews.
4) Place appropriate burnishing pad on pad driver and re-attach the center gripping device.
5) Place machine back into its upright position.
6) Plug power cord into grounded outlet.

Do not use an extension cord in conjunction with the standard power cord.

7) Adjust the handle (switch housing) height to a comfortable operating position.
8)To start the machine, push on the Blue safety button of the top of upper switch housing and squeeze either of the switch levers.
9) When the machine is in operation, both hands should be placed on the handle (switch housing).
10)To stop the machine at any time, simply release the switch lever, and the machine will stop automatically.

MAINTENANCE

To keep the machine performing well for many years, please follow the following maintenance procedures.

Always confirm that the machine is unplugged prior to performing any maintenance or repairs.

1. Unplug machine as soon as you are done using it.
2. Tilt machine back and remove pad driver or brush.

Never store a low speed machine with the pad driver or brush mounted to the machine.

3. Clean the outside of the machine with a mild cleaner.
4. Check power cord for any damage.If damage is detected, replacepower cord immediately.
5. Lubricate wheels with a water resistant lubricant once a month.
6. Check machine for loose or missing nuts and bolts, and replace as necessary.
7. If the machine is used in a dusty environment, you may remove themotor cover and blow the motor clean with compressed air. This willensure proper ventilation, and allowthe motor to run cooler.

STORAGE

1) Unplug machine from power source and wrap cord on handle.
2) Tilt machine back and remove pad driver or brush.
3) Store in upright position in a dry area.

Directions for the grinding and crystallization processes

Grinding process

Prepare the following tools and items:grinding disc holder, grinding disc(usually the granularity is 300#. 500#.2000#), window squeegee, wet vacuum cleaner, “caution wet floor” caution signage.

Attach the base grinding disc to the grinding disc holder (first use the grinding disc with smallest granularity (the smaller the granularity number, the coarser the disc)) and then fit it onto the machine. Fill the tank with water.

Turn on the machine, put clean water on the floor. Grind slowly and evenly. Remove the water on the stone surface using a window squeegee. Repeat the procedure as required until there are no marks on the floor.

Pick up the powder thoroughly using wet/dry vacuum cleaner, and replace the grinding disc with the next larger granularity. Use the above directions,and continue grinding until the result is acceptable.

The floor MUST be cleaned thoroughly before beginning the crystallization process.

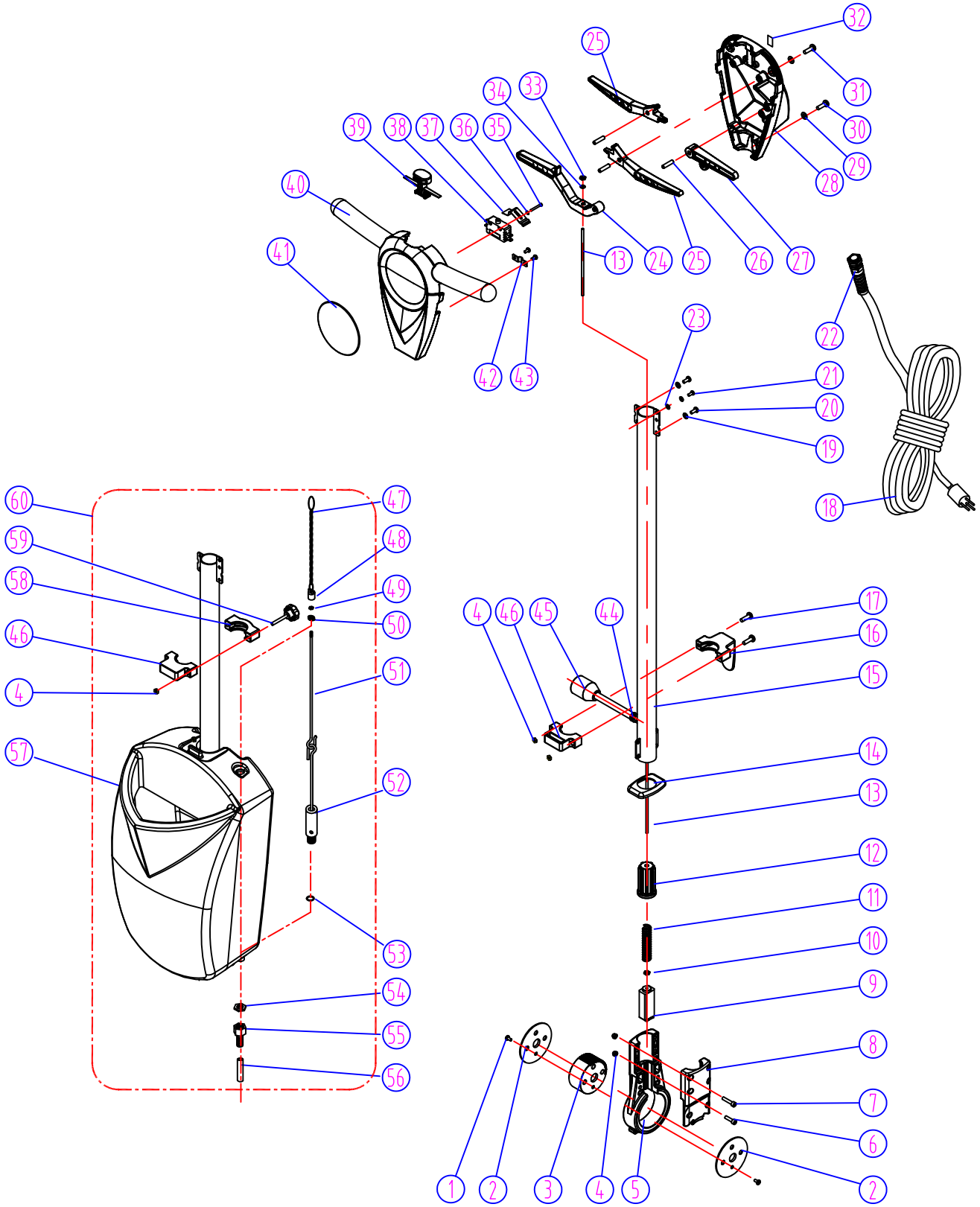
Caution, Make sure there is no sand on the floor. The grinding disc should be installed uniformly. Be sure to grind slowly and evenly with enough water.You must completely remove the powder from the last process before beginning next process. Immediately clean the floor with the vacuum cleaner,replace the grinding disc from coarsely granular to finely granular. You can’t skip steps. There is coarse grind,half-finishing grind and finishing grind,During finishing grind, if you feel resistance, you can reduce the quantity of Iron bar.

Crystallization process

Prepare the following tools and items:pad driver. fiber pad (steel pad), dust mop, K2 stone treatment, or K3 stoneshining plasm, or crystallization powder.Fit the pad driver onto the machine,then attach the fiber pad (steel pad).Turn on the machine, grind and spray K2 chemical simultaneously. Apply the chemical on the floor uniformly, and then spray K3 chemical. Rub to a high gloss and enter the next area. If using the crystallization powder, you can mix the powder with water and then spray this directly to the floor.

Caution: It’s best if there is no wax application on the floor. The floor MUST be free of water and dirt. The color of the pad is white (or colorless). Replace pad if dirty.

IP17 IP18HD HANDLE ASSEMBLY



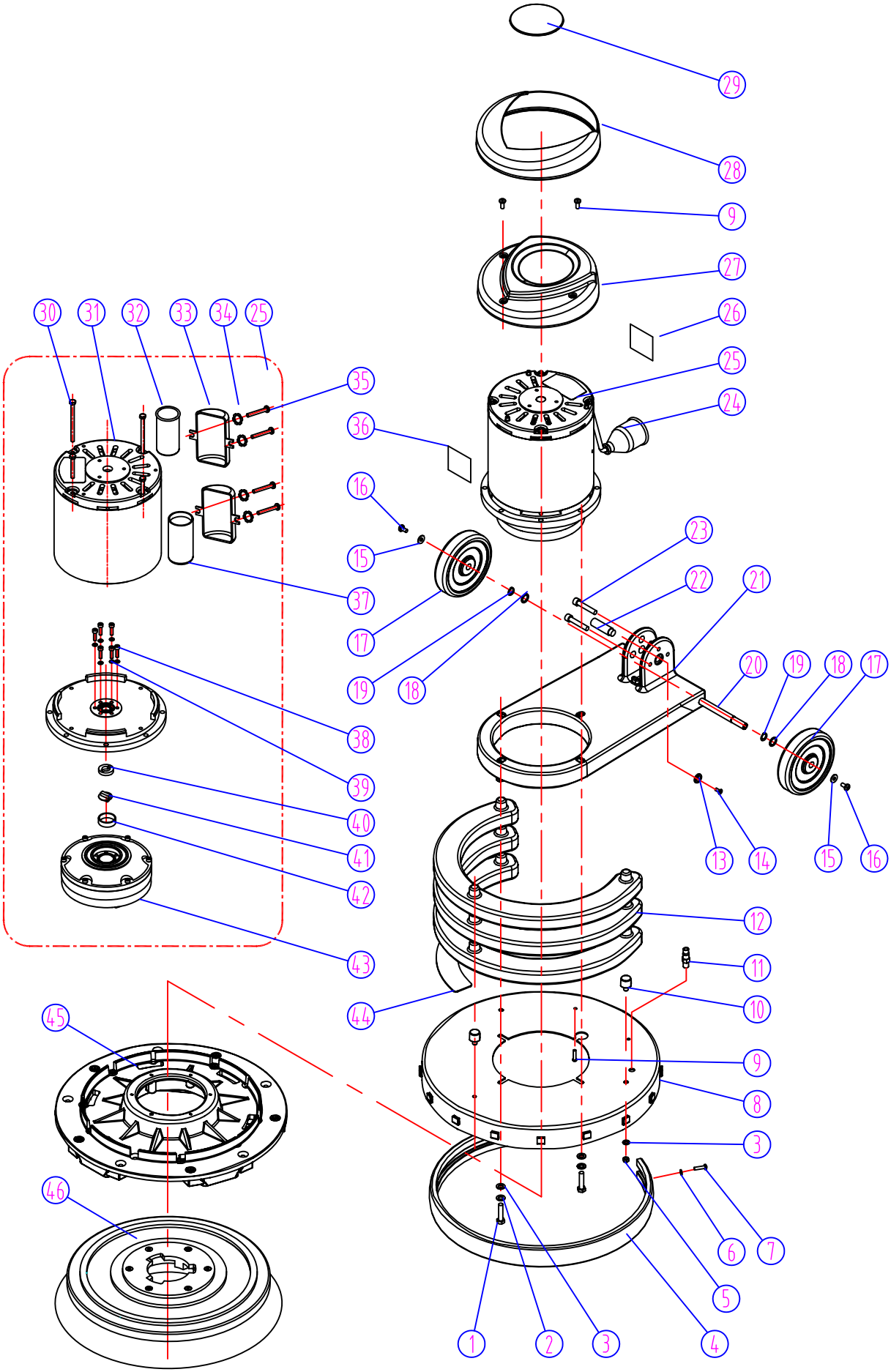
IP17 & IP18HD HANDLE ASSEMBLY

DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
1	1212410	SCREW M4X10	十字沉头镙钉 M4 X 10	2
2	4010212	COVER	密封端盖	1
3	4010210	GEAR	调位齿轮	1
4	1113507	NUT,LOCK,M5	六角锁紧螺母 M5	8
5	4010201	MOUNTING BASE,GEAR	齿轮座体	1
6	1511525	SCREW M5 X 25,HEX SOCKET	内六角圆柱头螺钉 M5 X 25	2
7	1511530	SCREW M5 X 30,HEX SOCKET	内六角圆柱头螺钉 M5 X 30	4
8	4010202	COVER,SEAT GEAR	盖板	1
9	4010211	INSERT	调位齿杆	1
10	1111403	NUT, M4	六角头螺母 M4	1
11	4010208	SPRING LEVELING	拉杆弹簧	1
12	4010207	SEAT,SPRING	拉杆套	1
13	4010214	ROD LEVELING	长拉杆	1
14	4010216	SEAL SEAT	防水胶套	1
15	4010204	TUBING	主管	1
16	4010405	HOOK,CABLE	绕线架	1
17	1511540	SCREW M5 X 40,HEX SOCKET	内六角圆柱头螺钉 M5 X 40	2
18	4010318	CORD,POWER SUPPLY	电源线	1
19	1434500	TOOTH WASHER Ø5	齿型垫圈	4
20	1211512	SCREW M5X12	十字盘头镙钉 M5 X 12	4
21	1211412	SCREW M4X12	十字盘头镙钉 M4 X 12	1
22	4010310	STRAIN RELIEF,CORD	电源线保护套	1
23	1434400	TOOTH WASHER Ø4	齿型垫圈	2
24	4010304	LEVELING ROD	调位拉把	1
25	4010303	TRIGGER, SWITCH	开关拉把	2
26	4010314	PIN	销轴	4
27	4010305	LEVEL,SOLUTION	放水拉把	1
28	4010302	REAR,COVER	手柄后盖	1
29	1421616	WASHER,PLAIN Ø6	平垫圈	4
30	1512635	SCREW M6 X 35	内六角平圆柱头螺钉 M6 X 35	2
31	1512625	SCREW M6 X 25	内六角平圆柱头螺钉 M6 X 25	2
32	4020103	SERIAL NUMBER[IP17]	连续号贴纸[IP17]	1
	4010313	SERIAL NUMBER[IP18HD]	连续号贴纸[IP18HD]	1
33	1123406	NUT,LOCK,M4	六角锁紧螺母 M4	1
34	1421412	WASHER,Ø4	平垫片	1
35	1211325	SCREW,M3X25	十字盘头镙钉 M3 X 25	2
36	1434300	TOOTH WASHER M3	齿型垫圈	4
37	4010306	SPRING,SAFETY	保险键弹簧	1

IP17 & IP18HD HANDLE ASSEMBLY

DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
38	4010308	SWITCH	开关	1
39	4010307	SAFETY BOTTOM	保险键	1
40	4010301	FRONT COVER	前盖	1
41	4010316	ICE,LOGO	ICE 标牌	1
42	4010311	CLAMP,CORD	压线块	1
43	1221406	SCREW M4X6	十字盘头螺丝 M4 X 6	2
44	4010213	GROMMET	电源线保护胶圈	1
45	4010215	CORD,HANDLE	手柄内电线	1
46	4010402	CLAMP,HOOK	固定夹	2
47	4010423	CHAIN	链条	1
48	4010419	SEAT CHAIN	链条座	1
49	4010412	SCREW,M5,BRASS	铜螺母 M5	1
50	4010418	SEAL,TANK	水箱拉杆密封套	1
51	4010427	UPPER PULLING ROD BRASS	上拉钩	1
52	4010428	VALVE ASSEMBLY	阀组件	1
53	4010429	SEAL	密封垫	1
54	4010426	NUT,1/2-20UNF	螺母 1/2-20	1
55	4010425	BARB,HOSE,SOLUTION	放水阀接头	1
56	4010406	BARN HOSE	溶液管	1
57	4010401	TANK	水箱	1
58	4010403	CLAMP,TANK	水箱固定块	1
59	4010404	KNOB M5X40	水箱紧固手把	2
60	4015000	SOLUTION TANK ASSEMBLY	水箱组件	1

IP17 IP18HD BASE ASSEMBLY



IP17 IP18HD BASE ASSEMBLY

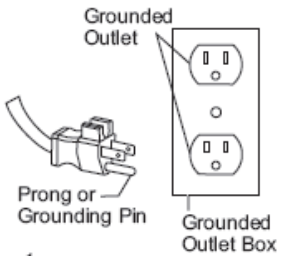
DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D
1	1031855	SCREW M8 X 55	六角头螺栓	4
2	1422821	WASHER,LOCK Ø8	不锈钢弹簧垫片	4
3	1421824	WASHER,PLAIN Ø8	平垫圈	7
4	4020102	BUMPER 17" [IP17]	17″防撞边[IP17]	1
	4010603	BUMPER 18" [IP18HD]	18″防撞边[IP18HD]	1
5	1113810	NUT,LOCK,M8 [IP18HD]	六角锁紧螺母 M8[IP18HD]	3
6	1421510	WASHER,PLAIN Ø5	不锈钢平垫圈	4
7	1221514	SCREW M5 X 14,PH	十字盘头螺钉 M5 X 14	2
8	4020101	FRAME 17" [IP17]	17″底盘[IP17]	1
	4010601	FRAME 18" [IP18HD]	18″底盘[IP18HD]	1
9	1211512	SCREW M5X12	十字盘头锣钉 M5X12	5
10	4010604	PIN [IP18HD]	定位轴[IP18HD]	3
11	4010116	BARB HOSE	机体水管接头	1
12	4010602	IRON BAR [IP18HD]	配重块 [IP18HD]	3
13	4010114	WASHER	轴端档圈	1
14	1222512	SCREW,M5 X 12	十字沉头螺钉,M5X12	1
15	1421616	WASHER,PLAIN Ø6	平垫圈	2
16	4010111	SCREW,M6 X 12.7	防松螺钉 M6 X 12.7	2
17	4010105	WHEEL,5"	轮子	2
18	1435012	WASHER,LOCK,12	波形弹性垫圈	2
19	1436012	WASHER,LOCK,12	轴用弹性挡圈Φ12	2
20	4010104	AXLE	轮轴	1
21	4010101	ALUMINIUM BASE,MOTOR	铝电机座	1
22	4010110	SHAFT	固定轴	1
23	1521845	SCREW M8 X 45,HEX SOCKET	内六角圆柱头螺钉(防松) M8X45	3
24	4010118	PLUG PROTECTOR SAMLL MALE	电机防水套	1
25	4010800	MOTOR WITH GEAR BOX ASSY	电机连齿轮箱	1
26	4010115	READ MANUAL LABEL	贴纸	1
27	4010102	COVER ,MOTOR	电机罩	1
28	4010103	COVER,TOP	电机顶盖	1
29	4010316	LOGO,ICE	″ICE″标牌	1
30	4010806	BOLT WITH WASHER KIT	螺杆垫圈套装	4
31	4010801	MOTOR,220V,1.75HP	电机	1
	4010807	CENTRIFUGAL SWITCH	起动圈	1
	4010808	STATIONARY SWITCH	底板组件	1
32	4010803	START-UP CAPACITOR(BIG),200UF/250V	起动电容	1
33	4010811	COVER,CAPACITOR	电容罩	2
34	1411409	WASHER	垫圈 Φ4	4
35	1221406	SCREW M4X6	螺钉 M4X6	4
36	4010119	LABEL,MOTOR	电机贴纸	1
37	4010804	RUNNING CAPACITOR,20uf/450v,105°C	电容器 20UF/450V 105°C	1
38	1531530	SCREW M5 X 30	内六角圆柱头螺钉 M5 X 30	6
39	1432513	WASHER,LOCK Ø5	弹簧垫片	6
40	4010107	RING,GUARD	连接器保护环	1
41	4010106	COULPING	电机轴连接器	1
42	4010117	SLEEVE	隔套	1
43	4010802	GEAR BOX	齿轮箱总成	1
44	4010609	SEAL,IRON [IP18HD]	减震垫 [IP18HD]	6
45	9010017	17"PAD HOLDER ASSY [IP18HD]	17″针座[IP18HD]	1
	4010605	17"GROUNDING DISC,HOLDER ASSY	17″翻新针座[IP18HD]	1
	9010016	16"PAD HOLDER ASSY [IP17]	16″针座[IP17]	1
46	9020018	18"BRUSH [IP18HD]	18″刷盘[IP18HD]	1
	9020017	17"BRUSH [IP17]	17″刷盘[IP17]	1

安 全 预 防

在使用本机器前请仔细和理解操作手册
本机必须接地！

为减少机器因故障而引起的触电危险，本机电源线插头带有一接地插脚，任何情况下不得去除该插脚。

本机使用额定 220 伏电压和有接地插头的供电系统。其结构构类似于附图。确保本机连接到具有相同配置插头插座。无需适配器。



本机仅作商业用途，并限于户内使用。务必使用推荐的附件，操作者应阅读，理解并掌握以下安全预防措施：

1、以下情况不得操作本机：
- 未经培训取得相应资格；
- 在易燃易爆场所；
- 机器存在问题不适合操作；
- 在水中；
- 未仔细阅读和理解操作手册；
- 电源线或插头损坏；
- 在户外时；
- 使用延长线；

2、操作机器前：务必确保所有安全装置动作正常；

3、使用机器时：
- 不得碾压电线；
- 不得将电线置于物件锋利的边、角；
- 切勿用湿手拔取插头；
- 应立刻报告机器任何之异常及损坏情况；
- 不得靠牵拉电线的方式移动机器；
- 不得用拉电线的方式拔取插头；
- 始终使电源线远离发热的物件表面；

4、离开机器或进行维护前：务必关机并拔下电源插头；

5、进行维护时：
- 应拔下电源插头；
- 使用生产商推荐或认可的配件；

储存时 :1、拔下电源插头；2、取下针座或刷子；3、直立存放于干燥的场所；

维护与保养

为使本机始终保持良好的性能，请遵循以下程序保养本机

进行任何维护、保养工作前，必须确保机器已断开电源 .
1、机器一经使用完毕，立即拔下电源插头；2、取下针座或刷子；

存放机器时，切勿忘记取下针座或刷子
3、用中性清洁剂清洁机器；4、检查机器电源线有无破损，如有应立即进行更换；

为避免危险，若电源线破损，必须联系当地售后服务部进行更换；
5、每月用防水润滑剂润滑轮子、轴；
6、检查机器有否遗失螺母、螺栓并进行更换；
7、机器在粉尘的场所使用后，应取下电机顶盖，用压缩空气吹净附着在电机上的灰尘以保证良好的通风。

操 作 说 明

使用或维护本机前务必仔细阅读说明书

1、使用前应清理工作区域内的杂物、纸屑等；
2、将手柄置于垂直位置后，将机器倾斜使手柄靠在地面；

确认机器此时未接通电源；

3、松开螺母，取下中心定位器；4、取合适的抛光垫粘在针座上，并用中心定位器压紧；
5、将机器置于垂直位置；6、将电源线插头插入带接地的插座中；

切勿使用与电源线不一致的延长电缆；

7、拉住调节拉把将机器手柄调节至合适操作位置；
8、按下位于手柄上方的兰色按钮同时拉住左、右拉把即可启动机器；
9、操作时，双手必须牢牢握住操作手柄；只要轻轻地抬起手柄，机器便会向右移动，
轻轻按下手柄，机器便会向左移动；
10、停机时，只需松开左、右拉把即可；

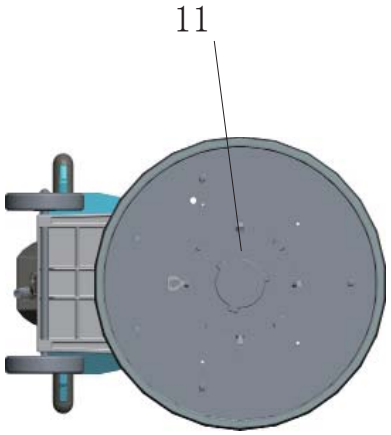
机 器 组 件

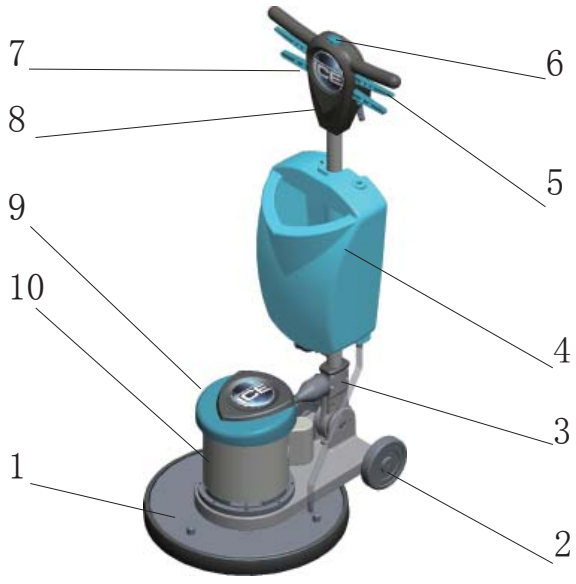
机 器 描 述

- 全新结构设计
- 17" 0r 18" 金属壳体
- 16" or 17" 针座，刷盘
- 全钢行星齿轮箱
- 通用卡扣座
- 安全锁定开关
- 15M 电线
- 1.5HP/1.75HP 电机

机 器 结 构

1. 壳体
2. 运输轮
3. 铝套座
4. 水箱
5. 开 关 拉 把
6. 安 全 锁 定 开 关
7. 调位拉把
8. 手柄
9. 电机顶盖
10. 电机
11. 卡扣座





云石翻新与晶硬处理操作指引

翻新处理

首先需准备下列工具与材料：翻新针座、金钢石碟片（一般可准备粒度 300#、500#、2000#）、玻璃刮、吸水机、“小心地滑”告示牌。将金钢石粘在翻新针座上（5 片粒度要一样，先用牌号数小的金钢石碟），然后装在机器上，水箱中要装水。开启机器，在地面上放入大量清水，慢而均匀的研磨，反复几次后，然后用玻璃刮清除石面的水份，观看效果，直至无痕迹为止。用吸水机将粉沫彻底吸净，并更换牌号数稍大一点的金钢石碟，方法如上，直至满意为止。将地面清洗干净后，方可做晶硬处理。

⚠ 地面不能有沙粒，金钢石碟安装要均匀，研磨时要有足够的水份，并且慢而均匀，同时每一道工序前都必须彻底清除上一道工序留下的粉沫，及时用吸水机吸净地面，更换金钢石碟须由粗到细，不能跳号，要分粗磨、半精磨、精磨，精磨时，若发现阻力较大，可减少加重块的数量。

晶硬处理

首先需准备下列工具与材料：针座、天然纤维垫（或钢丝垫）、尘推、K2 晶面处理剂及 K3 晶光亮剂或者晶硬粉。然后将随机附件针座安装在机器上，放上纤维垫或钢丝垫，开动机器，边磨边喷药水 K2，将药水均匀地涂抹在地面上，接着喷药水 K3，将地面磨亮即可。随后进入下一区域。若使用晶硬粉，将晶硬粉加水调匀后，直接喷洒在地面上即可。

⚠ 地面最好不要有腊层，地面的水及尘埃应先清理掉，纤维垫要用白色（或无色），粘有污物后要及时更换。

WEAR & TEAR PARTS LIST

DIA NO	PART NUMBER	DESCRIPTION		NO REQ'D	MACHINE
1	4010105	WHEEL,5"	轮子	2	IP17&IP18HD
2	4020102	BUMPER 17"	17″防撞边	1	IP17
	4010603	BUMPER 18"	18″防撞边	1	IP18HD
3	9010017	17"PAD HOLDER ASSY	17″针座	1	IP18HD
	4010605	17"GROUNDING DISC,HOLDER ASSY	17″翻新针座	1	IP18HD
	9010016	16"PAD HOLDER ASSY	16″针座	1	IP17
4	9020018	18"BRUSH	18″刷盘	1	IP18HD
	9020017	17"BRUSH	17″刷盘	1	IP17

SPECIFICATIONS

Model	IP17	IP18HD
Voltage	220 V	220V
Power	1100 W	1300W
Current	7.5 A	8A
Frequency	50Hz	50Hz
Speed	150rpm	150rpm
Deck Size	17” (43 cm)	18"(45cm)
Length of power cord	15 m	15m
Weight	44.5 Kg	45Kg
Iron bar	-	8Kg (3)
Dimension LXWXH	83.8X50X195 cm	83.8X50X195 cm

Wiring Diagram

