

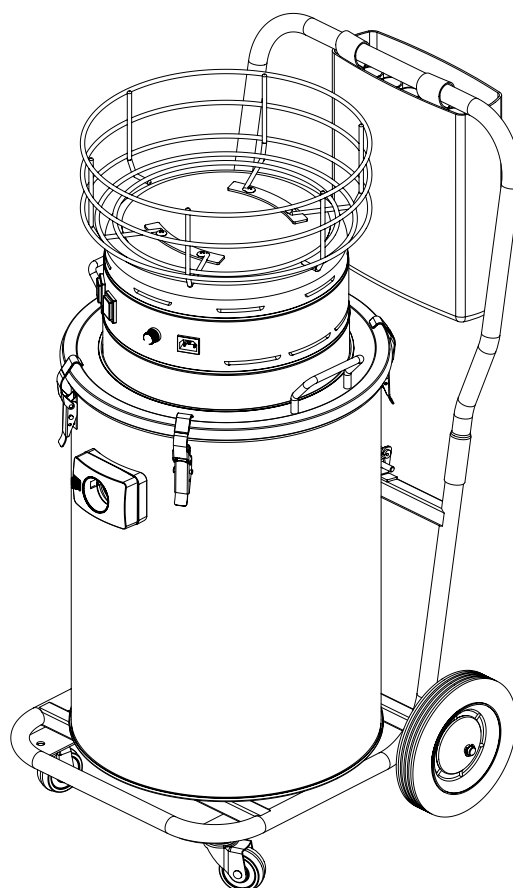
Operating manual

Spare parts list

Wet/Dry Vacuum Cleaner

VCE2000U★★

Index / Indice "003"



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1



Safety Rules

For your safety and to ensure accident-free operation please carefully read and understand these “Safety Rules”.









After reading these instructions, please keep the manual in a obvious place for reference.

 **Caution** May cause death or serious injury.





















 **Notice** May cause injury if operated improperly.

Symbol Legend	 This symbol indicates actions that are prohibited.	 This symbol indicates useful instructions that must be followed.
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CAUTION

 <ul style="list-style-type: none"> ● Only a qualified technician may disassemble, repair or reconstruct this machine. 	 <ul style="list-style-type: none"> ● Please do not use the machine to pick up the following materials to avoid fire, explosion or injury. <ul style="list-style-type: none"> * Explosive powder: Aluminum (Al) Magnesium (Mg), Titanium (Ti), Zinc (Zn), etc. * Flammable material: Gasoline, organic solvent, benzene, lamp-oil, paint, etc; Chemical material: Oil, medicine, etc. * Hot material: Campfire ashes, cigarette butt, etc; Powder accompanied by sparks: High-speed cutting machine, grinding wheel, welding machine, etc.
 <ul style="list-style-type: none"> ● Do not wipe or pour oil or water into the machine. Moisture entering the product will cause electric shock or short circuit. 	
 <ul style="list-style-type: none"> ● Please disconnect the power source before cleaning or performing a safety check to prevent electric shock or injury. 	 <ul style="list-style-type: none"> ● Never operate the product near explosive or flammable materials such as lamp oil, gasoline, organic solvent, benzene and paint to avoid fire, explosion or injury.
 <ul style="list-style-type: none"> ● Never use a damaged power plug. Doing so may cause an electric shock, short circuit or fire. 	 <ul style="list-style-type: none"> ● Keep children away from the product to avoid injury.

NOTICE

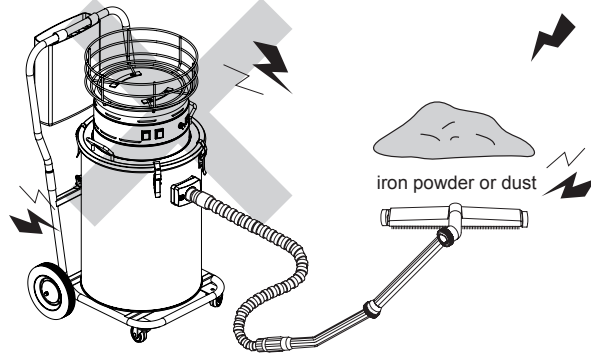
 <ul style="list-style-type: none"> ● Do not use the machine in a high temperature environment. 	 <ul style="list-style-type: none"> ● When picking up dust, be sure to install the polyester filter. Otherwise, the dust entering the motor will damage the motor.
 <ul style="list-style-type: none"> ● Stop operation when the inlet and exhaust holes are blocked. Otherwise the machine will deform due to overheating. 	 <ul style="list-style-type: none"> ● Empty the tank when bubbles or water drops spurt from the exhaust outlet. Run the machine without load to completely dry the filter.
 <ul style="list-style-type: none"> ● Turn off the power and disconnect the plug during installation and maintenance to avoid electric shock and injury. 	 <ul style="list-style-type: none"> ● Do not pull the power cable to remove the plug from the outlet. Doing so may cause a fire as a result of a short circuit.
 <ul style="list-style-type: none"> ● Unplug the machine when idle to prevent electric leakage, electric shock and fire. 	 <ul style="list-style-type: none"> ● Do not bend or trample on the power cable. Refrain from tugging the cable as well.
 <ul style="list-style-type: none"> ● Use a power supply that does not exceed the normal voltage of 110V±10% or 230V±10%, depending on model. Maintain the same input voltage when using the machine with a generator to avoid electric shock, short circuit and fire. 	 <ul style="list-style-type: none"> ● Do not bend or pull the plastic tube. Do not trample on the tube or place heavy objects on it.
 <ul style="list-style-type: none"> ● Install filters before using the machine. Otherwise, the motor may be damaged. 	 <ul style="list-style-type: none"> ● Do not touch the plug, power cable or other electrical components with wet hands to prevent electric shock.
 <ul style="list-style-type: none"> ● Keep the machine away from fire and heat to reduce the risk of fire and short circuit. 	 <ul style="list-style-type: none"> ● The lifetime of the filtration system depends on the frequency and condition of use. On average, the lifetime of the filter is one year when operated in dry conditions and half year when operated in wet conditions. Please change the filter regularly.
 <ul style="list-style-type: none"> ● Do not use the machine in a high temperature environment. Doing so may damage the machine and cause electric shock and fire. Please use this machine under 80% humidity. 	 <ul style="list-style-type: none"> ● When starting the machine, use a single motor to avoid drawing too much current. If desired, dual motors may be engaged after the machine has started.
 <ul style="list-style-type: none"> ● Do not leave sewage and debris in the tank for a prolonged period of time to prevent the buildup of foul smell. 	 <ul style="list-style-type: none"> ● During normal operation, hot air will be expelled from the cooling system located at the top of the machine.
 <ul style="list-style-type: none"> ● Picking up too much dust will block the filter causing damage to the motor due to overheating. 	 <ul style="list-style-type: none"> ● When operating the machine in a dry environment (especially during winter), static electricity buildup may occur.

2

Additional Safety Rules

To safely use the wet/dry vacuum cleaner, please pay attention to the following guidelines in addition to the safety rules discussed earlier.

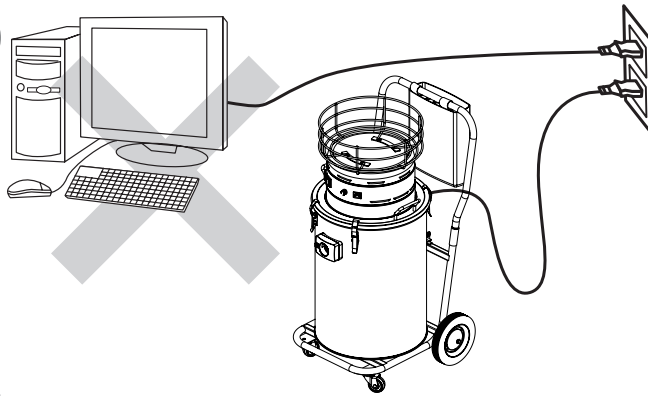
A



Please beware that picking up iron powder or dust with the machine may generate static electricity. If this occurs, stop the machine immediately and keep it away from precision instruments or machines to avoid damaging them.

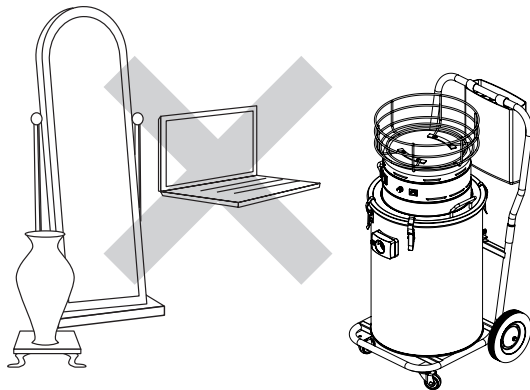
* The application of anti-static tape is recommended on plastic handheld components to prevent static discharge.

B



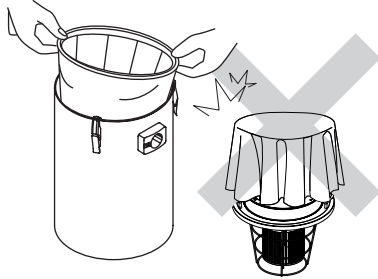
Do not use the machine on the same electrical circuit used by sensitive electronic devices. Voltage spikes caused by turning the machine on and off may damage those devices. If an isolated circuit is not available, be sure to turn off all sensitive electronic devices that share the same circuit as the machine.

C



When using the machine please keep away from fragile or valuable objects to avoid damaging them. The machine is intended for industrial cleaning purpose only.

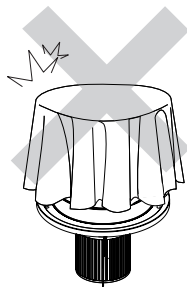
Dry mode



Never operate the machine without the polyester filter in place. The filter prevents dust from entering the motor and damaging it. When the machine is running please do not block the exhaust outlet.

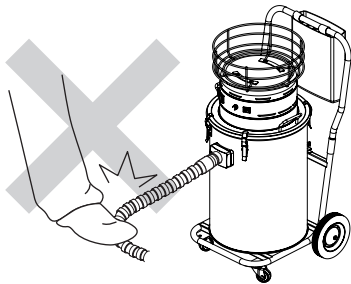
D

Wet mode



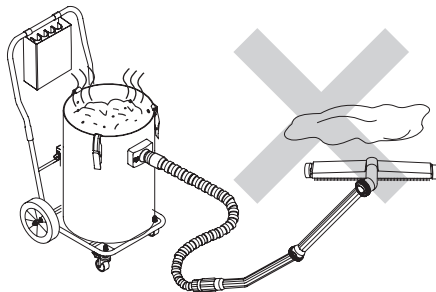
Never operate the machine without the polyester filter in place. The filter prevents dust from entering the motor and damaging it. When the machine is running please do not block the exhaust outlet.

E



Avoid twisting, bending, trampling or forcefully pulling the hose. Any of these activities, whether performed during use or storage, will deform and damage the hose.

F

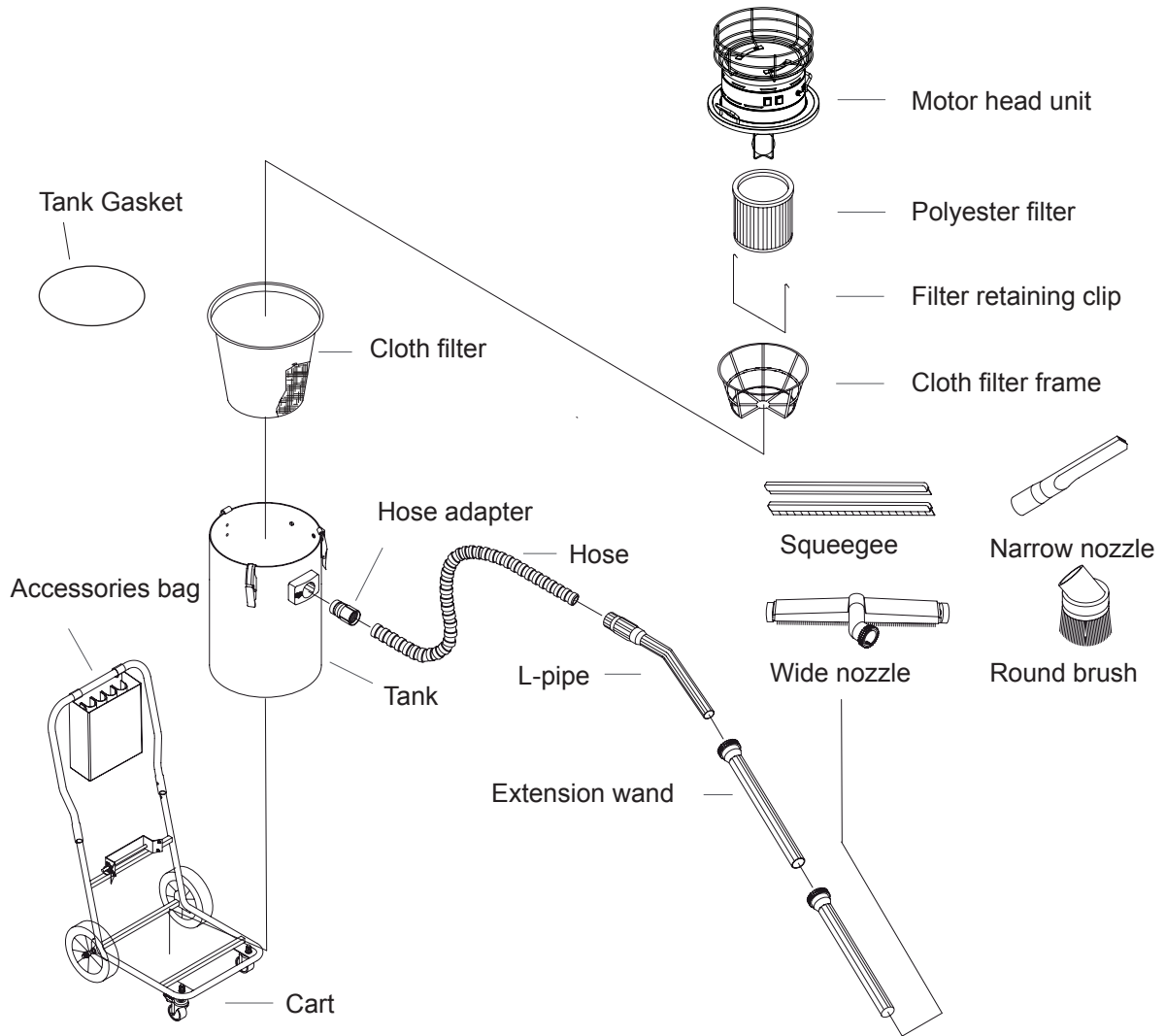


After cleaning the tank, be sure to empty it to prevent the buildup of foul smell, mold and rust.

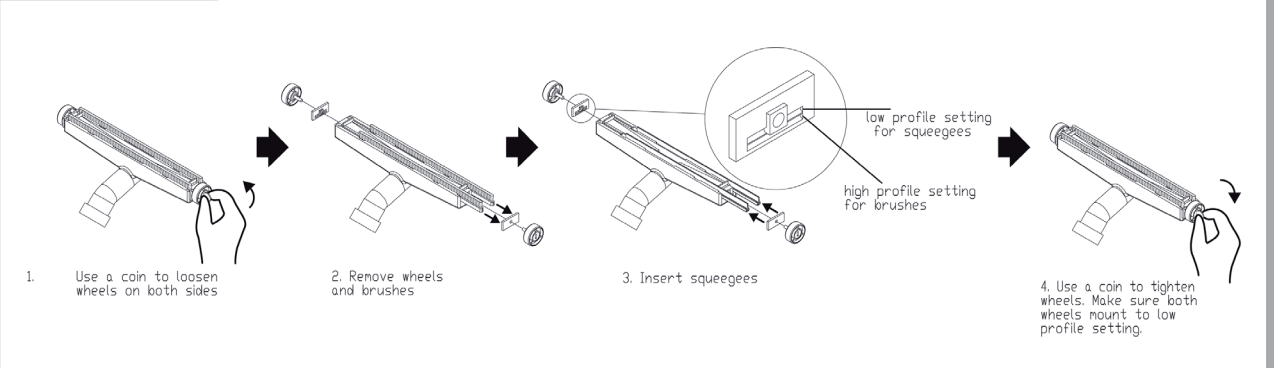
G

3

Parts



Replacing Brush

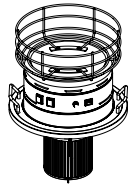


4

Removing Sewage and Debris



Notice
Please turn off and unplug the machine before releasing the side clips.



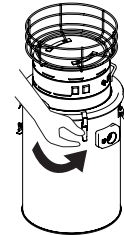
Remove the head unit and store it properly to prevent any damage and contamination.



Before removing the cloth filter from the tank, shake the filter to loosen any debris clinging to the filter.



When emptying the tank, dispose of dust and debris in accordance with all applicable regulations.

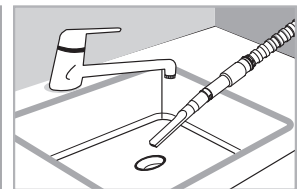
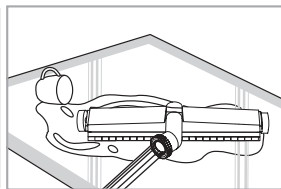
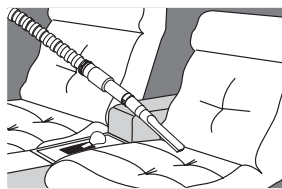
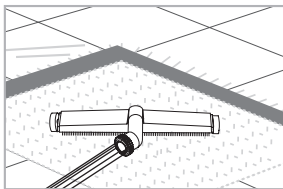


Reverse the steps to install the head unit back onto the tank.

5

Functions and Cleaning Procedure

For cleaning carpets, rugs, car interiors, spills and much, much more.



- *Use a wet cloth to clean the exterior of the machine. Never use water to directly wash the machine or the motor.
- *Ensure that the machine is dry before use.
- *When the tank is completely filled with liquid, an internal float will obstruct the air flow. Once this occurs, immediately turn off the machine and dispose of the sewage and debris stored within. Continued use of the machine without proper air flow (i.e. without first emptying the tank) may cause the motor to overheat and consequently damage it.

6

Troubleshooting and Maintenance

PROBLEM	CHECK	SUGGESTION
Motor does not work	Plug	The plug may be loose. Connect the plug firmly with the power outlet.
	Carbon brush	If the carbon brush has been depleted, please contact our customer service.
	Temperature Control	The motor is protected by a thermal sensor that will shut off the motor when temperatures exceed a predetermined threshold. The motor will resume operation after 10 minutes of rest.
Insufficient suction to pick up materials	Hose	If the hose or extension wands were not properly fitted, reattach them to ensure a firm fit.
	Tank contents	If the tank is full, empty it.
	Filter	Check and clean the filters.

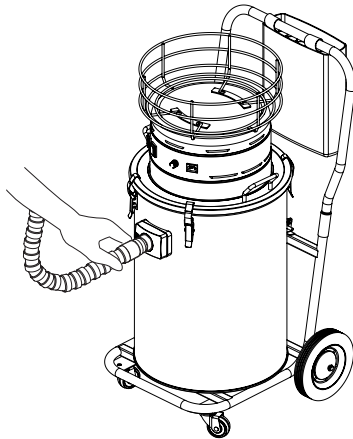
- Routinely check the machine for parts (e.g. hose, filter, etc) that will need to be replaced. Replace them as needed.

- Maintenance and Lubrication:
 1. The motor bearings do not require any lubrication.
 2. Lubricate the wheels on the cart as needed with 1-2 drops of grease.

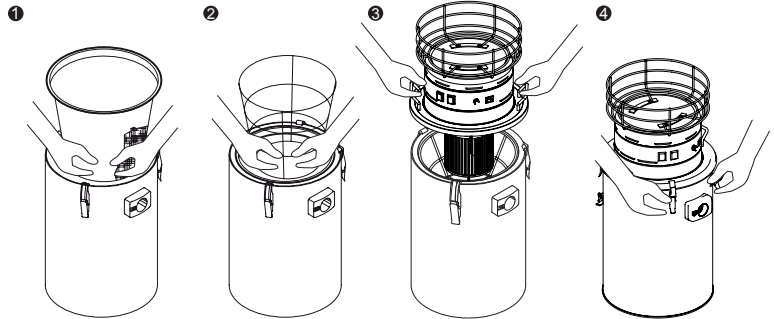
7

How To Use

- 1** Insert the black hose into the receptacle in front of the tank. Make sure that it is firmly attached.



- 2**
- ① Insert the filter into the tank and ensure that it is seated properly.
 - ② Insert the filter frame, but make sure that it does not obstruct the vacuum inlet.
 - ③ Place the motor head unit onto the tank, while ensuring that the attached filter is seated within the filter frame.
 - ④ Secure the head unit to the tank with the clips provided on the tank.

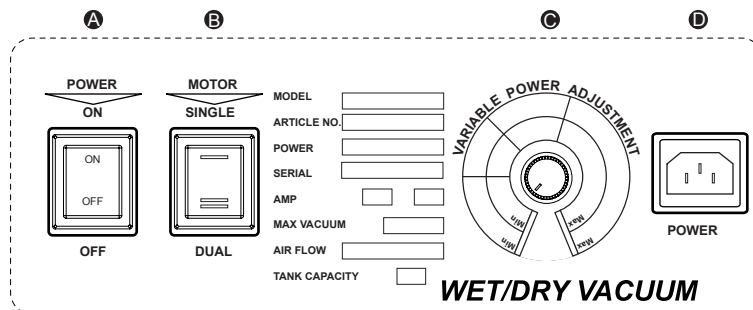


- 3**
- A Power switch:** Press switch to ON to turn on the machine; or press switch to OFF to turn off the machine.

- B Motor switch:** Press switch to SINGLE to use a single motor for suction; or press switch to DUAL to use both motors for suction. *It is recommended that only a single motor be used when starting the machine.*

- C Power adjustment knob:** Turn the knob to continuously adjust the suction power of the motor(s). The inner gauge shows power levels while operating one motor and the outer gauge shows power levels while operating two motors.

- D Power receptacle:** Attach the provided power cable into the receptacle. Plug the other end of the cable into a suitable power source.

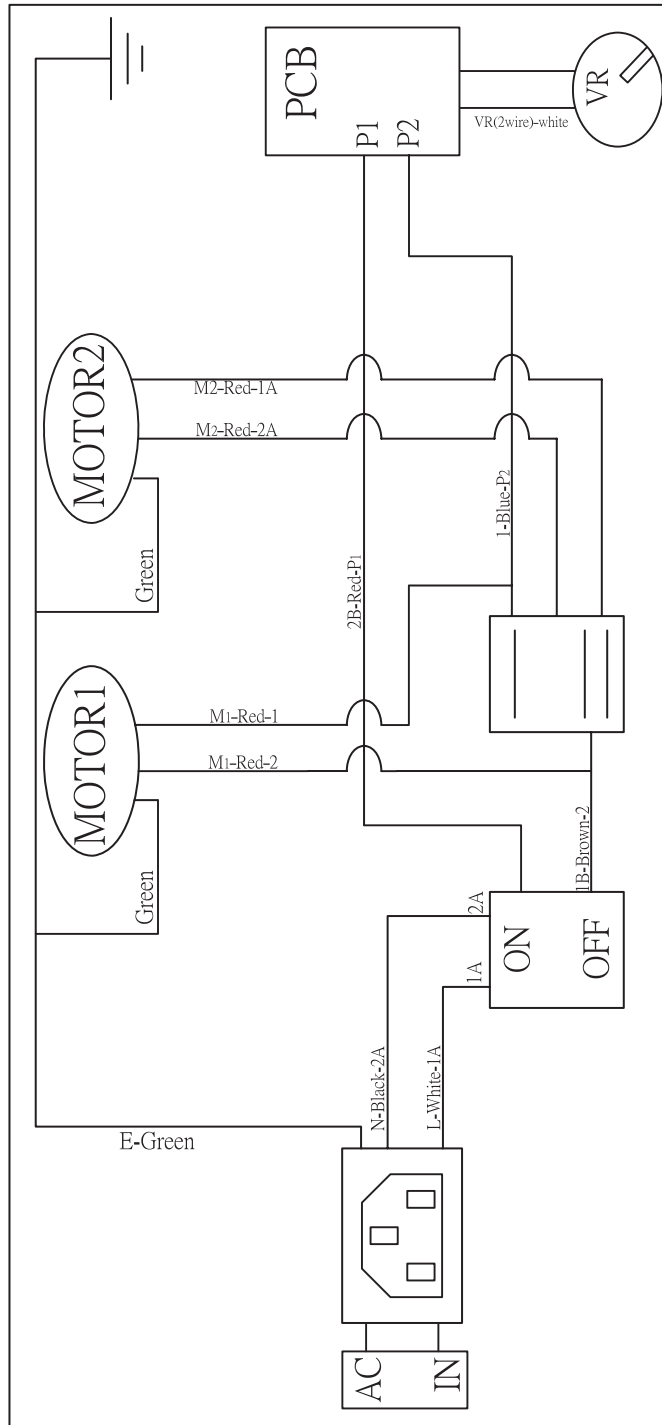


Technical data

Article No.	10983924	10983921
Voltage	110 V	230 V
Mains Frequency	60 Hz	50 Hz
Power Consumption	1000 W - one motor 2000 W - two motors	1000 W - one motor 2000 W - two motors
Max Air Flow Volume	2300 l/min - one motor 4600 l/min - two motors	2300 l/min - one motor 4600 l/min - two motors
Max Negative Pressure	21000 Pa	21000 Pa
Operating Noise	75 dB(A) - one motor 80 dB(A) - two motors	75 dB(A) - one motor 80 dB(A) - two motors
Power Cord Length	7 m	7 m
Tank Volume	80 L	80 L
Width	575 mm	575 mm
Depth	595 mm	595 mm
Height	935 mm	935 mm
Weight	30.5 kg	30.5 kg
Suction Hose Diameter	38 mm inner diameter 48 mm outer diameter	38 mm inner diameter 48 mm outer diameter

9

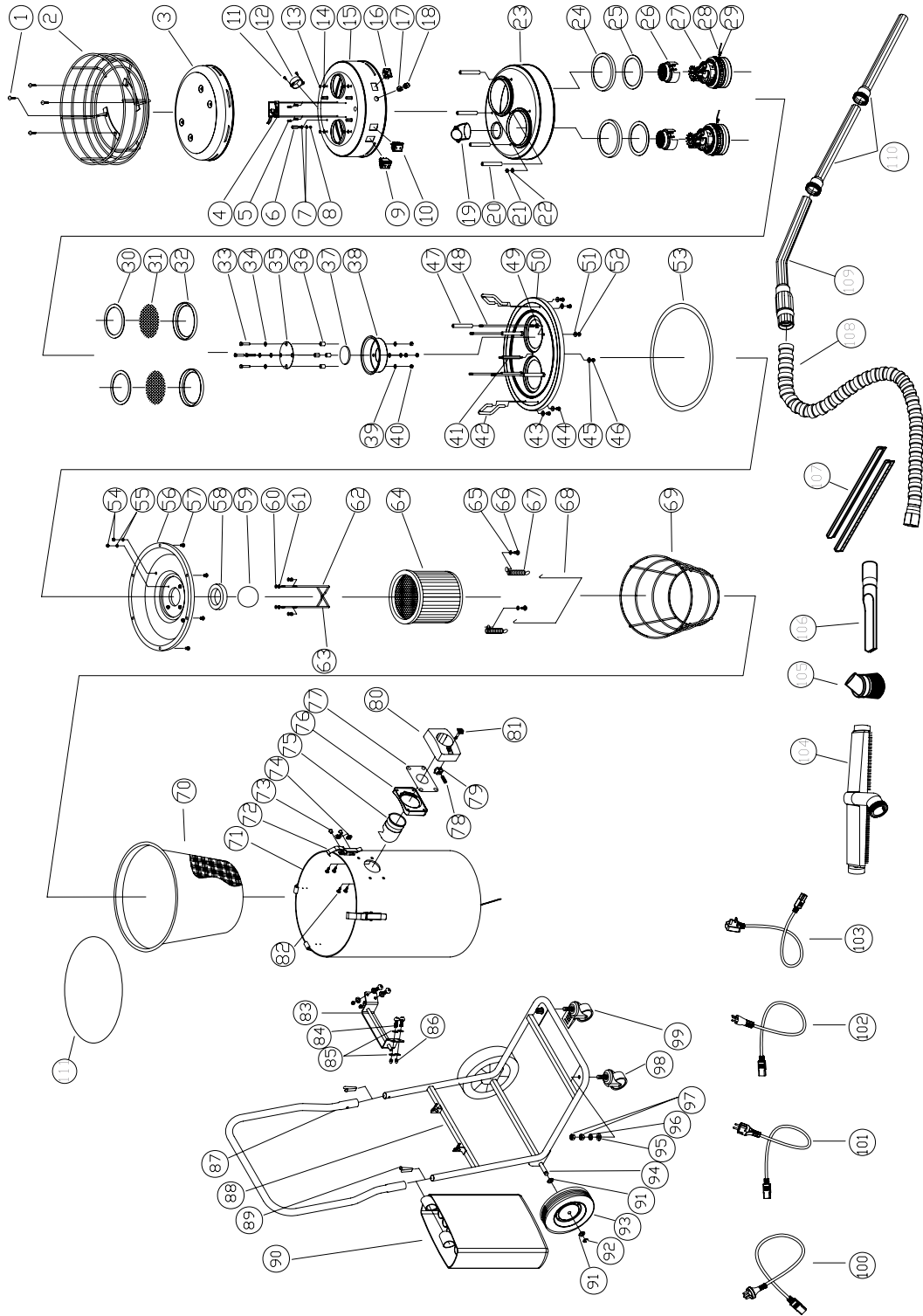
Wiring Diagram



Pos	SAP	Part No	Description	Qty
1	10985340	EOSM-481001	1/4"-20x3/8" Phil. Screw	4
2	10985342	EOSM-481002	Black Accessories Basket	1
3	10985343	EOSM-481003	Upper Cover	1
4	10985344	EOSM-481004	PCB	1
5	10985345	EOSM-481005	Spacer RS-5	4
6	10985346	EOSM-481006	Hex Screw M8 X 1.25 X 5L	4
7	10985347	EOSM-481007	M6 (6x16x1.0) Washer	8
8	10985348	EOSM-481008	1/4"- 20 Nut	4
9	10985352	EOSM-481009	ON/OFF Power Switch 608FA	1
10	10985353	EOSM-481010	Single/Dual Motor Switch	1
11	10985354	EOSM-481011	M5 X 0.8 X 10L Screws	2
12	10985355	EOSM-481012	Air Exhaust Outlet	1
13	10985348	EOSM-481008	1/4"- 20 Nut	4
14	10985347	EOSM-481007	M6 (6x16x1.0) Washer	4
15	10985351	EOSM-481013	Lower Cover	1
16	10985356	EOSM-481014	R-301SN-M Receptacal Plug	1
17	10985357	EOSM-481015	Motor Power Adj. Switch	1
18	10985358	EOSM-481016	Power Adj. Switch Knob	1
19	10985359	EOSM-481017	Exhaust Air Guide Tube	1
20	10985362	EOSM-481018	Ø12 X 84L Spacer Tube	4
21	10985360	EOSM-481019	M5 X 0.8 Nut	1
22	10985361	EOSM-481020	M5 (5x10x1.0) Washer	1
23	10985363	EOSM-481021	Motor Cover	1
24	10985364	EOSM-481022	15G Rubber Ring	2
25	10985365	EOSM-481023	Sponge Ring Seal	2
26	10985366	EOSM-481024	Motor Housing	2
27	10985367	EOSM-481025	1000W 230V Motor	2
27	10985368	EOSM-481026	1000W 110V Motor	2
28	10985369	EOSM-481027	Motor Ground Connector	2
29	10985370	EOSM-481028	M4 X 0.7 X 8L Screw	2
30	10985371	EOSM-481029	Sponge Ring Seal	2
31	10985372	EOSM-481030	Wire Screen	2
32	10985364	EOSM-481022	15G Rubber Ring	2
33	10985373	EOSM-481031	BH 1/4*1	4
34	10985347	EOSM-481007	M6 (6x16x1.0) Washer	4
35	10985374	EOSM-481032	Valve Cap	1
36	10985375	EOSM-481033	Ø12 X 16L Spacer Tube	4

Pos	SAP	Part No	Description	Qty
37	10985376	EOSM-481034	Valve Tap	1
38	10985377	EOSM-481035	Valve Mounting Base	1
39	10985347	EOSM-481007	M6 (6x16x1.0) Washer	4
40	10985348	EOSM-481008	1/4"- 20 Nut	4
41	10985378	EOSM-481036	M5x0.8x8L-90L Hex Screw	1
42	10985379	EOSM-481037	Lifting Handle	2
43	10985361	EOSM-481020	M5 (5x10x1.0) Washer	4
44	10985380	EOSM-481038	M5 X 0.8 X 12L Screw	4
45	10985361	EOSM-481020	M5 (5x10x1.0) Washer	1
46	10985360	EOSM-481019	M5 X 0.8 Nut	1
47	10985381	EOSM-481039	Ø12 X 66L Spacer Tube	4
48	10985382	EOSM-481040	1/4"-20x6-3/4" Head Screw	4
49	10985348	EOSM-481008	1/4"- 20 Nut	4
50	10985383	EOSM-481041	Tank Cover	1
51	10985347	EOSM-481007	M6 (6x16x1.0) Washer	4
52	10985348	EOSM-481008	1/4"- 20 Nut	4
53	10985384	EOSM-481042	12mm Gasket	1
54	10985360	EOSM-481019	M5 X 0.8 Nut	6
55	10985361	EOSM-481020	M5 (5x10x1.0) Washer	6
56	10985385	EOSM-481043	Fluid Overflow Funnel	1
57	10985386	EOSM-481044	TP 3/16"x3/8"L SUS Screw	6
58	10985387	EOSM-481045	Float Sponge	1
59	10985388	EOSM-481046	Float Ball	1
60	10985361	EOSM-481020	M5 (5x10x1.0) Washer	4
61	10985360	EOSM-481019	M5 X 0.8 Nut	4
62	10985390	EOSM-481047	Float Retention Wire	1
63	10985389	EOSM-481048	Float Retention Wire	1
64	10985391	EOSM-481049	Polyester Filter	1
65	10985361	EOSM-481020	M5 (5x10x1.0) Washer	2
66	10985380	EOSM-481038	M5 X 0.8 X 12L Screw	2
67	10985392	EOSM-481050	Tension Spring	2
68	10985393	EOSM-481051	Filter Retaining Hook	1
69	10985448	EOSM-481052	Cloth Filter Frame	1
70	10985449	EOSM-481053	Cloth Filter	1
71	10985450	EOSM-481054	20 Gallon Tank	1
72	10985395	EOSM-481055	Latch	4
73	10985396	EOSM-481056	Rivet (SUS) 8.5x4.8x6.5	8

Pos	SAP	Part No	Description	Qty
74	10985361	EOSM-481020	M5 (5x10x1.0) Washer	8
75	10985397	EOSM-481057	Air Intake Guide Tube	1
76	10985398	EOSM-481058	Air Intake Guide Tube	1
77	10985399	EOSM-481059	Gasket	1
78	10985400	EOSM-481060	Compression Spring	1
79	10985401	EOSM-481061	Latch	1
80	10985402	EOSM-481062	Air Intake Cover	1
81	10985403	EOSM-481063	Spring Release Latch	1
82	10985405	EOSM-481064	TP 3/16 X 1" L SUS Screw	4
83	10985421	EOSM-481065	Mounting Bracket	1
84	10985422	EOSM-481066	M5 X 0.8 X 10L SUS Screw	4
85	10985361	EOSM-481020	M5 (5x10x1.0) Washer	8
86	10985420	EOSM-481067	M5 X 0.8 Cap Nut	4
87	10985423	EOSM-481068	Push Cart Handle	1
88	10985424	EOSM-481069	Cart Frame	1
89	10985425	EOSM-481070	Spring Snap Pin	2
90	10985426	EOSM-481071	Accessories Bag	1
91	10985427	EOSM-481072	1/2" Washer	4
92	10985428	EOSM-481073	1/2" External E-Clip	2
93	10985429	EOSM-481074	Ø8" Wheel	2
94	10985430	EOSM-481075	Ø0.5 X 577mm Steel Bar	1
95	10985431	EOSM-481076	3/8" Washer	2
96	10985432	EOSM-481077	3/8" Spring Washer	2
97	10985433	EOSM-481078	3/8" - 16 Nut	4
98	10985434	EOSM-481079	3"x3/8x19 Caster Wheel	1
99	10985435	EOSM-481080	3"x3/8x19 Wheel W/Brake	1
100	10985436	EOSM-481081	AL305+501/EU Power Plug	1
101	10985437	EOSM-481082	AL302+501/EU Power Plug	1
102	10985438	EOSM-481083	AL203+501/EU Power Plug	1
103	10985439	EOSM-481084	AL307+501/EU Power Plug	1
104	10986245	EOSM-481129	Wide nozzle	1
105	10986244	EOSM-481128	Round brush	1
106	10986243	EOSM-481127	Narrow nozzle	1
107	10986242	EOSM-481126	Squeegee	2
108	10986239	EOSM-481123	Hose	1
109	10986240	EOSM-481124	L-pipe	1
110	10986241	EOSM-481125	Extension wand	2
111	10985394	EOSM-481096	Tank Gasket	1



EC Declaration of Conformity

Description	Vacuum cleaner VCE2000U ★ ★
Type designation	VCE2000U ★ ★
Year of construction	2007

We declare under our own liability that this product complies with the following directives and standards:

Directive applied:

European Machine Directive 98/37/CEE
European EMC Directive 9/336/CEE
European Low Voltage Directive 73/23/CEE
EN 2002/96/EG Waste electrical and electronic equipment

Standards applied

EN 294 Safety of machinery – Safety distances to prevent upper limbs
reaching danger areas



Roland Kägi
Equipment Manager

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