

SUMAKE®

Professional & Industrial

INSTRUCTION MANUAL

ITEM NO.: **VC38L1-A, VC38M1-A**
38L VACUUM CLEANER
(110-120V)



VC38L(M)1-A-I-2011B-KD

1 Safety Rules

For using safely, please read and understand "Safety Rules" carefully before using.

Please follow this "Safety Rules of the Operation Instruction" to ensure a safe and accident-free operation.

※ After reading this instruction, please keep it in an obviously place for reference.



Caution It will cause death or serious injury.



Notice

- This appliance is not intended for users with insufficient sensory or mental capabilities, or lack of experience and knowledge, unless they are given supervision or instruction concerning safety use of the appliance under a person who are responsible for their safety.
- Children should be supervised to ensure that they don't play with the appliance.
- It will cause injury for improper operations.

The meaning of symbol sign










This symbol is used to mark prohibition and please do not do it.



This symbol is used to mark instruction and must follow it.




















CAUTION

 <ul style="list-style-type: none"> ● Please disassemble, repair or reconstruct this machine by qualified technical personnel to prevent any unusual work and injury. 	 <ul style="list-style-type: none"> ● Please don't pick up the below materials by the machine to avoid fire, explosion or injury. ⊙ Explosive powder: Aluminum (Al), Magnesium (Mg), Titanium (Ti) and Zinc (Zn) etc. ⊙ Flammable material: Gasoline, organic solvent, benzene, lamp-oil and paint etc; Chemistry material; Oil and medicine etc. ⊙ Hot material: campfire ashes and cigarette butt etc; the power with spark: High-speed cutting machine, grinding wheel and 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 wire short. 	 <ul style="list-style-type: none"> ● Never operate the product near the explosive, flammable materials such as lamp-oil, gasoline, organic solvent, benzene and paint to avoid fire, explosion or injury.
 <ul style="list-style-type: none"> ● Please disconnect the power source before safety checking or cleaning to prevent electric shock or injury. 	 <ul style="list-style-type: none"> ● Keep children away from the product to avoid injury.
 <ul style="list-style-type: none"> ● Never use damaged power plug. Damaged plug would result electric shock, wire short and fire. 	



NOTICE

 <ul style="list-style-type: none">● Do not use the machine in high temperature environment.	 <ul style="list-style-type: none">● Place the micro-filter in operation to prevent from motor breaking down.
 <ul style="list-style-type: none">● Stop operating when the inlet and exhaust hole are blocked. Otherwise the machine will be deformed by overheat.	 <ul style="list-style-type: none">● Please install wet filter for use with wet pick-up. After wet pick-up, please pouring the residual water and clean the tank. Dry the tank completely.
 <ul style="list-style-type: none">● Please turn off the power and disconnect the plug while installation or maintenance to avoid electric shock and injury.	<p>※ Attention : only for the water sucking vacuum cleaner</p>
 <ul style="list-style-type: none">● Please take off the plug form the socket when the machine doesn't operate to prevent electric leakage, electric shock or fire.	 <ul style="list-style-type: none">● Do not pull the wire to loosen the plug from the outlet. Otherwise, it may cause fire due to short circuit.
 <ul style="list-style-type: none">● Place the filter and paper bag before operation to prevent form the motor breaking down.	 <ul style="list-style-type: none">● Please do not bend, trample on the wire. Also, do not pull it suddenly to cause damage.
 <ul style="list-style-type: none">● Please install the filtration system and filter before using. Otherwise, it will cause the motor breakdown.	 <ul style="list-style-type: none">● Please do not bend or pull the plastic tube. Also, do not trample on and put heavy objects on it to prevent damage and deformation.
 <ul style="list-style-type: none">● Please keep the machine away from fire and heat to reduce the risk of fire and wire short.	 <ul style="list-style-type: none">● Do not touch the plug, power or wire with wet hands to prevent electric shock.
 <ul style="list-style-type: none">● Please do not use the machine in high temperature environment. It will cause damage, electric shock and fire. Please use this machine under 80% humidity.	 <ul style="list-style-type: none">● The life time of the filter depends on its frequency and condition. Change the filter regularly for maintenance.
 <ul style="list-style-type: none">● Please do not keep the sewage and debris in the tank for long time to prevent the odour.	<ul style="list-style-type: none">● Hot air will exhaust from the cooling system which at the top of the machine for normal operation.
 <ul style="list-style-type: none">● Please do not pick up too much dust to cause block of the dust box or motor breakdown.	<ul style="list-style-type: none">● When operate the machine under dry environment (especially in winter), static electricity may be occurred at the frame and part of the machine. Please notice.

2

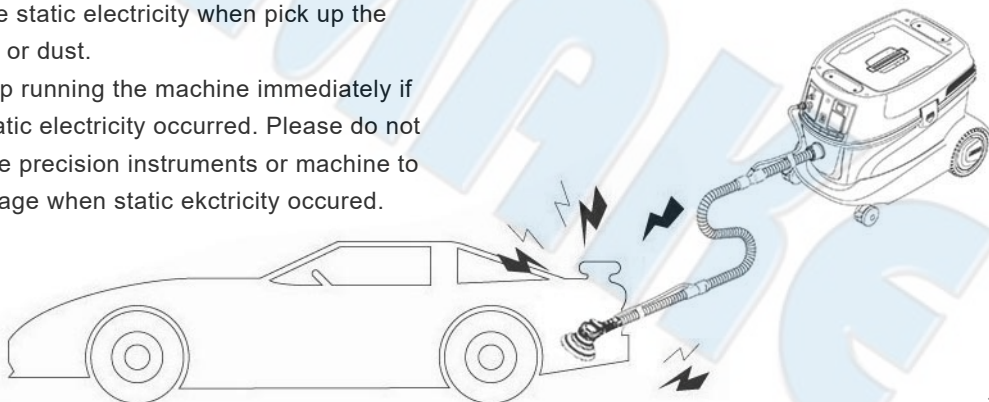
Additional Safety Rules

To use the Dry Vacuum Cleaner safely, besides of the Safety rules of the Operation Instruction, please pay attention to the following:

A

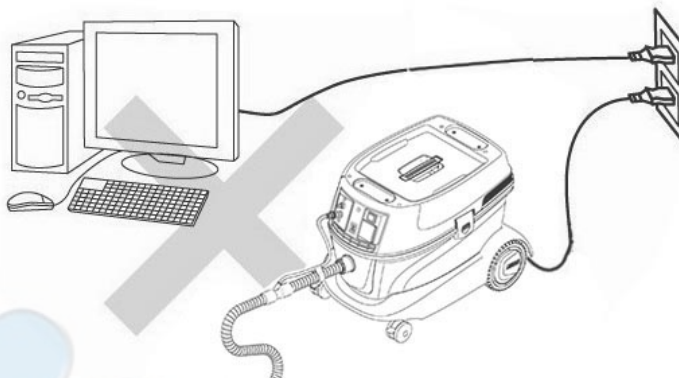
Beware the static electricity when pick up the iron power or dust.

Please stop running the machine immediately if there is static electricity occurred. Please do not close to the precision instruments or machine to avoid damage when static electricity occurred.



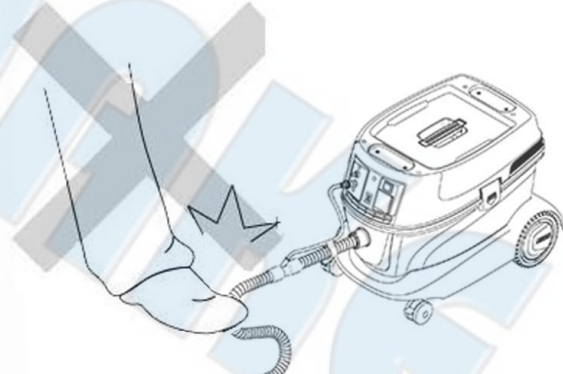
B

Please do not use the same socket with OA machine. The generated attack voltage during switching on/ off will cause OA machines damage.



C

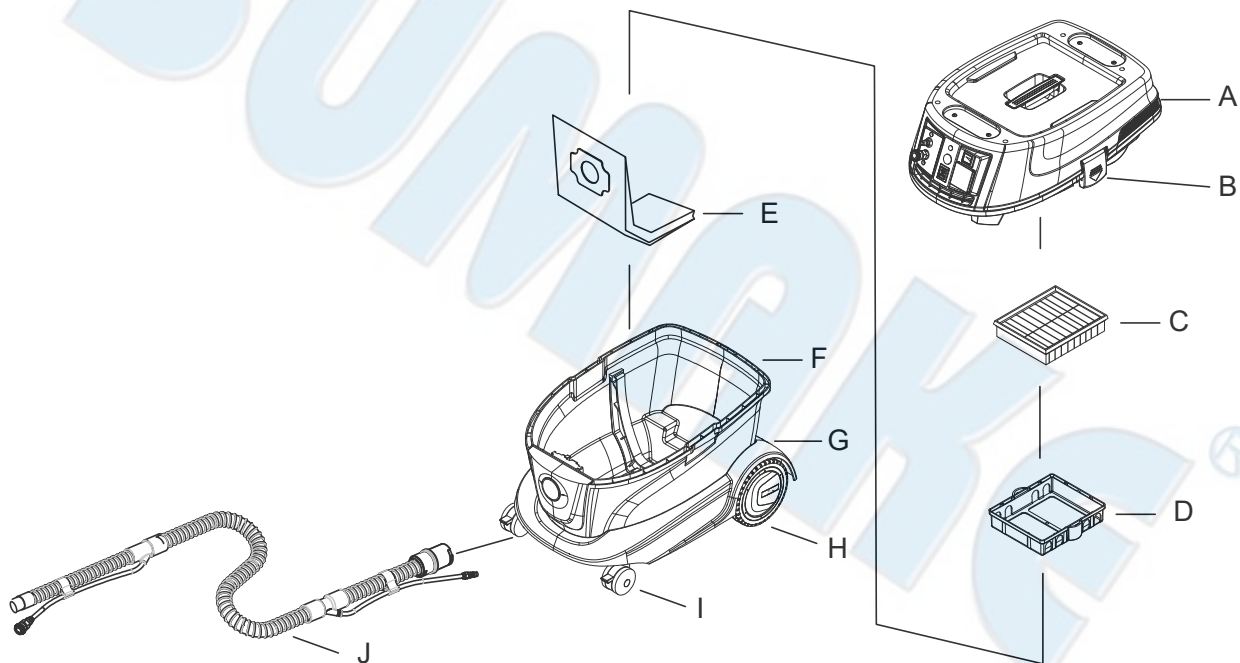
Avoid to twist, bend, trample on, pull, forced the hose and unusual storage to make it out of shape and cause damage.



3

Parts Name

VC38L(M)1-A



Specifications

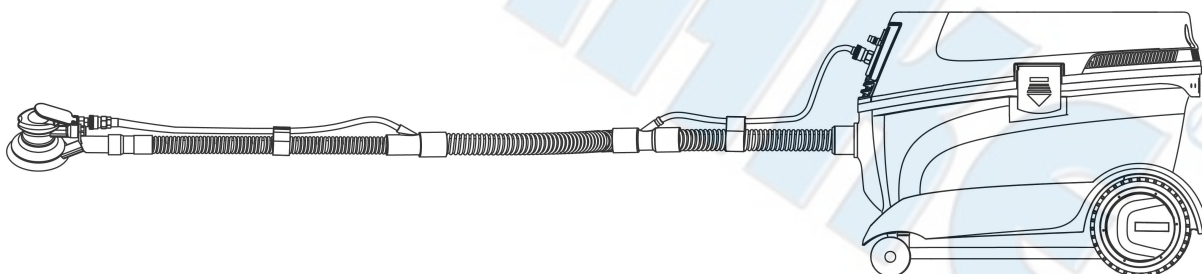
Model: VC38L(M)1-A	Drum Capacity: 38L
Voltage: 120V / 60Hz	Consumption Power: 1250W
Max Vacuum: 2450mmH ₂ O ±10%	Measurement: 790*545*570(mm)
Air Flow: 2.9m ³ /min ±10%	Weight: 17.31kgs

A HOST HEAD
 B BUCKLE
 C PAPER FILTER
 (M Dust class)
 D FILTER HOLDER
 E DUST BAG
 F TANK

G SEAT
 H WHEEL 7.5"
 I WHEEL 3"
 J HOSE

4

Use Dispose



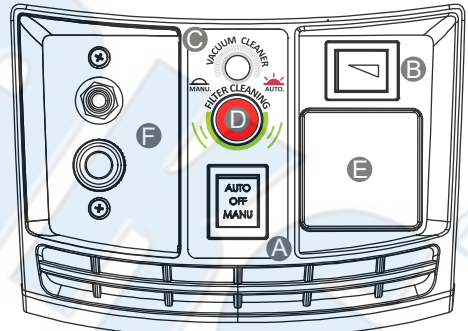
1 PREPARATION

- ① Open the host head before using. Install the dust bag into the dust tank, then put back the host head and clip side buckles tightly.
- ② Insert 2 in 1 Suction hose into the pneumatic tool, ensure not coming off, and turn on the machine.
 - ※ Please check the suction power is normal.
 - ※ Check : If the content of the dust bucket or dust bag has reached 2/3, please clean the dust bucket or replace the dust bag.

2 OPERATION INTERFACE INSTRUCTION

A POWER SWITCH:

- Switch at "AUTO" position, the vacuum to start control of the pneumatic tool or power tool.
When turn the switch to "AUTO" position, the vacuum cleaner will delay start about 3 seconds, then will run for 1.5 seconds and then stop. It means the vacuum cleaner is on. If the tool stops, the Vacuum cleaner will stop after running 5-10 sec.
- Switch at "MANU" position can turn on the vacuum.
When turn the switch to "MANU" position, the Vacuum cleaner will delay start about 3 seconds and then run continuously. Turn the switch to "OFF" position, the vacuum cleaner will stop.
- When finish working with vacuum cleaner, please turn the **AUTO- MANU** switch at the **OFF** position.



B SUCTION POWER CONTROL:

- When the power switch is set at **AUTO**, suction force can't be adjusted to run at full speed.
- Suction force is adjustable when the power switch is set at **MANU**.
Press the switch right will speed up, press it for 3 seconds to get the highest speed.
Press the switch left will slow down, press it for 3 seconds to get the lowest speed.
Memory for speed regulation is limited to power-on state.
Once power cut, original factory settings is restored.



C OPERATION INDICATION LAMP:

- The red light indicator is on when the motor is running.
- The red light indicator is off when the motor stops running.

D FILTER CLEANING SWITCH:

To switch AUTO or MANU filter cleaning system:

1. Turn power switch to **OFF**.
2. Press and hold the filter cleaning switch button then turn power switch to **MANU**.
When the filter cleaning switch button didn't show any lights, it's on **MANU** filter cleaning mode.
Repeat above steps again, when the filter cleaning switch button shows solid red light, it's on **AUTO** filter cleaning mode. *Note: It is normal for actuated sound when the filter cleaning function starts.*



- **Filter cleaning mode(AUTO):** The red light indicator is on when the motor is running.

When the clogged air filter sensor detected decrease in air flow rate, to improve efficacy of dust extracting, this machine will start filter cleaning function automatically. The AUTO filter cleaning mode will actuate continuously for 5 seconds then stop. Press filter cleaning switch to actuate MANU filter cleaning mode when machine is working.

- **Filter cleaning mode(MANU):** The red light indicator is off when the motor stops running.
To improve efficacy of dust extracting, press filter cleaning switch to actuate filter cleaning function. It will actuate continuously for 5 seconds then stop.

E THE SOCKET OF POWER TOOL:

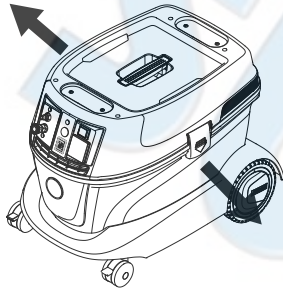
When turn the switch to "AUTO" position, the power tool using the plug can control the **ON/OFF** of vacuum. *Note: the power of power tool can't be over 500W, it will be overload and cause fire.*

F PNEUMATIC TOOL- TRIGGER MODULE CONNECTOR:

The quick coupling attached to the compressor and the other attached to the pneumatic hose.

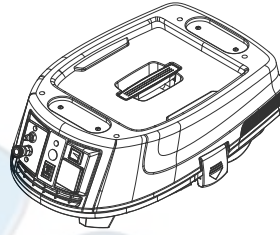
6

Clean and Maintenance



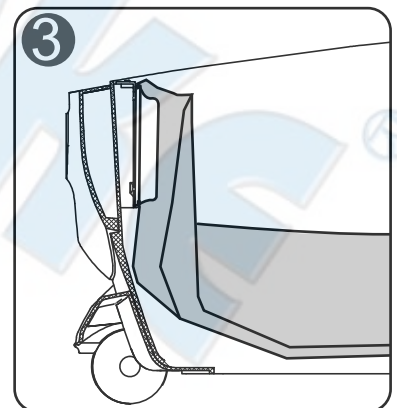
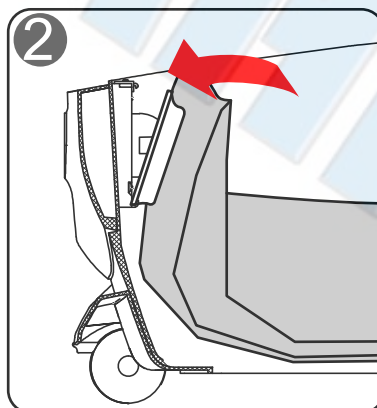
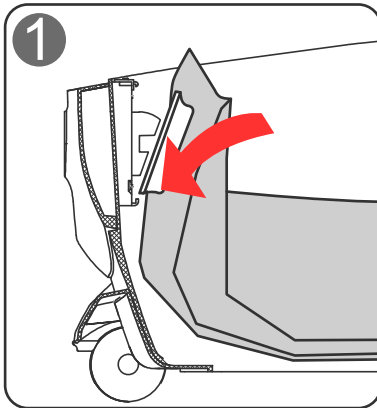
Notice

Please turn off and disconnect the plug and release the side clips.



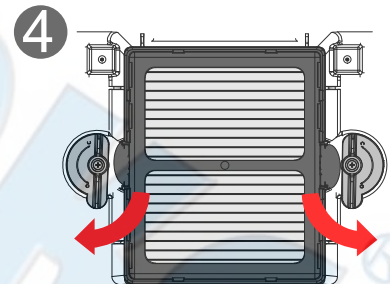
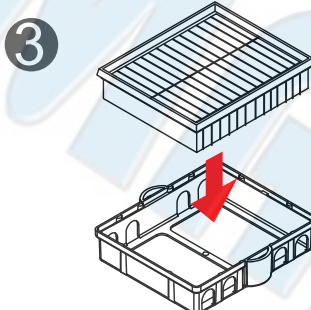
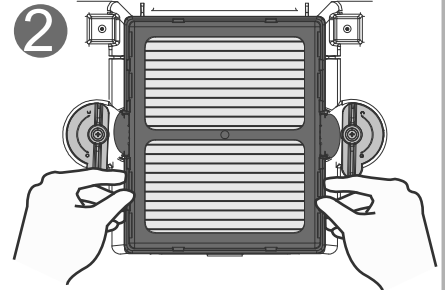
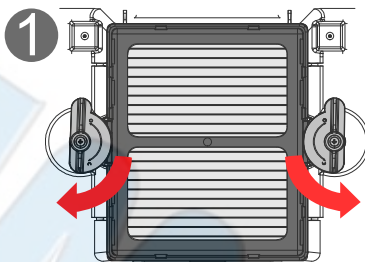
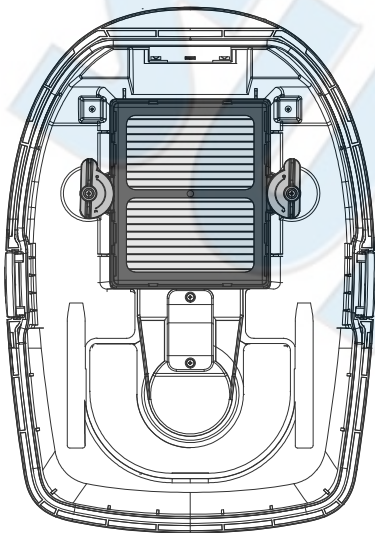
Remove the head unit and store in a proper place to prevent contamination and damage.

DUST BAG EMBEDDED:



※ Clean up and replace the dust bags regularly for maintenance.

FILTER REPLACEMENT :



- Available to use soft brush or high pressure air gun for periodically cleaning.
 - Replace the filter regularly for maintenance.
- ※ Recommend replacing the parts every three months in normal maintenance procedure.

7

General Error Solution and Maintenance

PROBLEM	CHECK	SUGGESION
Motor does not operate	Wire	It might be a possibility that didn't put the plug into a socket correctly, please reinsert it. It might be a damage of wire, please contact maintenance service of our company.
	Carbon brush exhausted	The carbon brush exhausted for 400 hours. Please contact our service center.
	Temperature Control	The Electronic Thermal Protection Device worked automatically when the motor was overheated up to 110 degree. After a complete 20~30 minute cool down period has passed, the Electronic Thermal Protection Device will RE- SET automatically.
Cleaner fails to pick up	Hose	Maybe the hose or extension wands didn't fit completely. please refit.
	Inside of tank	Please check if the tank is full and empty it.
	Filter	Please check the filter and filtration system and clean it.
Malfunction of filter cleaning system	Temperature Control	The Electronic Thermal Protection Device worked automatically when the motor was overheated up to 90 degree. After a complete 20~30 minute cool down period has passed, the Electronic Thermal Protection Device will RE- SET automatically.
	Malfunction of AUTO filter cleaning system	Malfunction of sensor, lead to actuate AUTO filter cleaning mode unsuccessfully. Please contact maintenance service of our company.



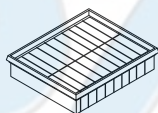
- Check: Please check the parts or accessories (Hose, wire, dust bag, filter rack and filter) if need to be replaced.
- If the power cord is damage, please requests profession and technical personnel to replace it.

- Maintenance and Lubrication:
 1. Do not lubricate the motor.
 2. Clean the machine outside regularly.

8 Expendables



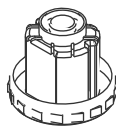
● DUST BAG



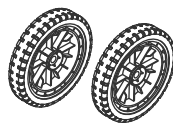
● PAPER FILTER



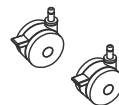
● HOSE



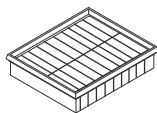
● MOTOR



● WHEEL 7.5"

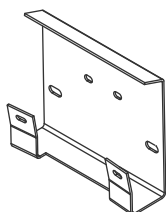


● WHEEL 3"



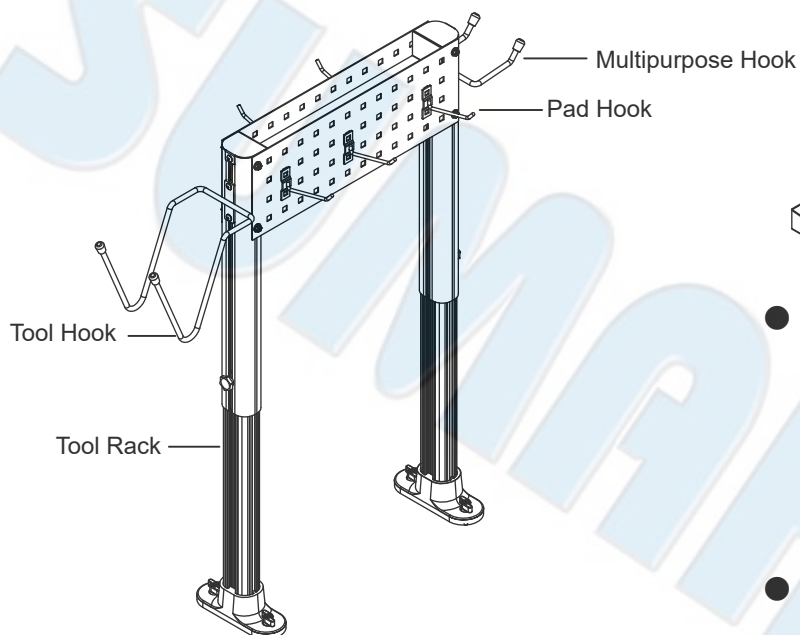
● PAPER FILTER (M Dust class)

9 Option

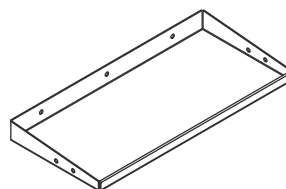


● Hose Hook

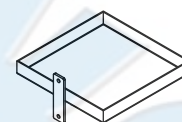
Hose Hook



● Tool Rack Set
(Attached Tool Rack*1set、Pad Hook*5pcs、Tool Hook*1pc、
Multipurpose Hook*1pc)



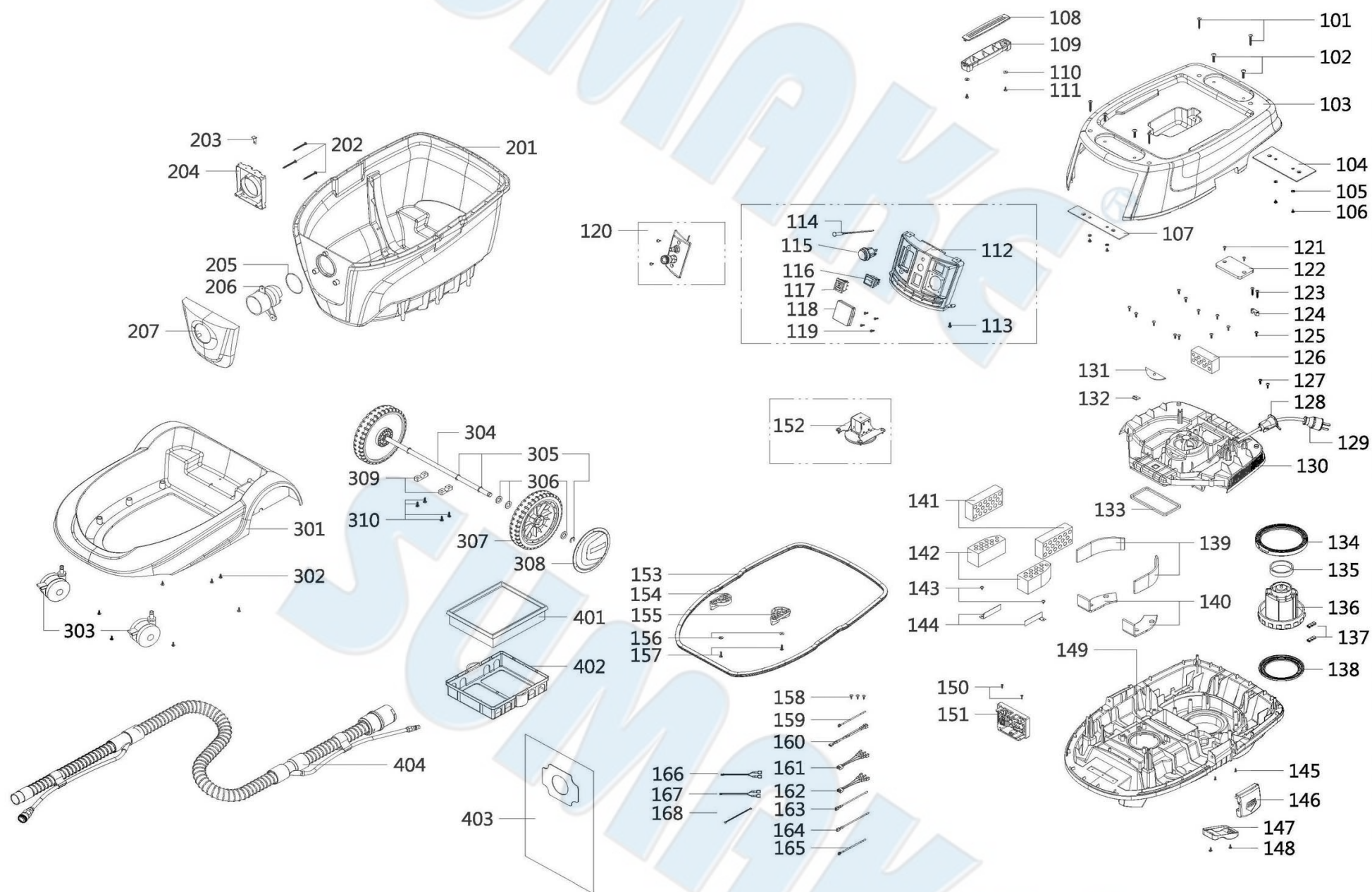
● Compartment Tray (Big)



● Compartment Tray (Small)

VC38L1-A 38L VACUUM CLEANER (FOR AIR & ELECTRIC TOOL), FILTER CLASS L

VC38M1-A 38L VACUUM CLEANER (FOR AIR & ELECTRIC TOOL), FILTER CLASS M



VC38L1-A 38L VACUUM CLEANER (FOR AIR & ELECTRIC TOOL), FILTER CLASS L

VC38M1-A 38L VACUUM CLEANER (FOR AIR & ELECTRIC TOOL), FILTER CLASS M

PARTS LIST

No.	Parts No.	Description	Q'ty
101	VC-LSAB6012	Screw SUS 3/16x1/2	4
102	VC-LSAA6A01	Screw M6x25	4
103	VC-V111C110F5	Motor Top Cover	1
104	VC-V11D211099	Support Plate-Back	1
105	VC-LSBA0A02	Washer 5x10x1 (RoHS)	4
106	VC-LSAB6004	Screw 5/32x3/8 (RoHS)	4
107	VC-V11D212099	Support Plate-Front	1
108	VC-V116B20097	Handle Cover	1
109	VC-V116B10097	Handle	1
110	VC-LSBA0A03	Washer 5x12 (RoHS)	2
111	VC-LSAB6003	Screw SUS 5/32x1/2 (RoHS)	2
112	VC-V11D112195	Panel Cover	1
113	VC-LSAA6D03	Screw 4x14 (RoHS)	4
114	VC-V131750008	Power Light	1
115	VC-V13137007Z	Switch	1
116	VC-V131253098	Switch	1
117	VC-V131221098	Switch	1
118	VC-V133TW7098	Socket With Cover	1
119	VC-LSAA5A05	Screw 4x12 (RoHS)	4
120	VC-PV4D1130	Monitor Bottom Seat	1
121	VC-LSAA6C01	Screw 3.5x12 (RoHS)	4
122	VC-V11D220092	Cover	1
123	VC-LSAA8E01	Screw 3.5x25	2
124	VC-V134220095	Cord Holder	1
125	VC-LSAA6D03	Screw 4x14 (RoHS)	12
126	VC-V11911800L	Outlet Sealing	1
127	VC-LSAA6D03	Screw 4x14 (RoHS)	2
128	VC-V134120095	Wire Hood	1
129	VC-V132US5098	Cord	1
130	VC-V111B70092	Motor Exhaust Hood	1
131	VC-V12943209E	Gasket	1
132	VC-V141630000	Air Filter Sensor	1
133	VC-V11943109R	Gasket	1
134	VC-V11928109P	Motor Top Cover Gasket	1
135	VC-PV1AZA21	Gasket	1
136	VC-V121C20000	Motor	1
167	VC-V139870008	Insulating Sleeves	2
138	VC-V11928209P	Motor Top Down Gasket	1
139	VC-V11911830L	Silencer Cotton	2
140	VC-V11911840L	Silencer Cotton	2
141	VC-V11911810L	Silencer Cotton	2
142	VC-V11911820L	Silencer Cotton	2
143	VC-LSAB6004	Screw 5/32x3/8 (RoHS)	4
144	VC-V11D300003	Barrier Plate	2
145	VC-LSAB3006	Screw 1/8x1/2	4

No.	Parts No.	Description	Q'ty
146	VC-V11D310097	Hook	2
147	VC-V11D320092	Cover	1
148	VC-LSAB6004	Screw SUS 5/32x3/8	2
149	VC-V111A10092	Main Cover	1
150	VC-LSAA6D06	Screw 1/8x1/2 (RoHS)	2
151	VC-V141350010	Control IC	1
152	VC-PV1MA010	Filter Shaker Motor Set	1
153	VC-V11933009R	Plastic Sealing	1
154	VC-V11D331097	Fixed Clip	1
155	VC-V11D332097	Fixed Clip	1
156	VC-LSBA0A03	Washer 5x12 (RoHS)	2
157	VC-LSAB6003	Screw SUS 5/32x1/2 (RoHS)	2
158	VC-LSAA6D03	Screw 4x14	3
159	VC-V139710048	Motor Earth Wire	1
160	VC-V139200028	Wire	1
161	VC-V139100008	Control Ic Switch Cord	1
162	VC-V139151028	Control Ic Switch Cord	1
163	VC-V139035098	Twin-End Terminal	1
164	VC-V139030028	Twin-End Terminal	1
165	VC-V139710048	Motor Earth Wire	1
166	VC-V139206008	Wire	1
167	VC-V139207008	Wire	1
168	VC-V139203090	Wire	1
201	VC-PV2B7902	Tank	1
202	VC-LSAB6012	Screw SUS 3/16x1-1/2	3
203	VC-V262000003	Iron Sheets	1
204	VC-V2142F1092	Inlet Seat	1
205	VC-V2142F309P	Inlet Plastic Senling	1
206	VC-V2142F2092	Inlet	1
207	VC-V2142F0095	Inlet Cover	1
301	VC-V3321F00K5	Trolley Seat	1
302	VC-LSAB6003	Screw SUS 5/32x1/2 (RoHS)	7
302	VC-V311160097	Wheel 3"	2
304	VC-V313800009	Stick φ12.7x463mm	1
305	VC-LSEA0B01	E9 Ring	6
306	VC-LSBA0A09	Washer 1/2x23x2.0 (RoHS)	6
307	VC-V312610090	Wheel 7.5"	2
308	VC-V3141000K2	Wheel Cover	2
309	VC-V333710092	Fixed Block	2
310	VC-LSAA6D10	Screw 3/16x5/8 (RoHS)	4
401	VC38-401	Paper Filter (Class L)	1
	VC38-401A	Paper Filter (Class M/HEPA)	1
402	VC-V11A330095	Filter Frame	1
403	VC-V4A400104D	Paper Bag	1
404	VC-PV4B0172	Hose	1

NOTE

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SUMAKE®