

PTVC

No.0964E

CV-400PRO

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SPECIFICATIONS

Rated voltage : AC230V, 50Hz
Rated input : IEC 800W, Max 880W
Motor : Commutator motor
Speed : 35,500 rpm.

Maximum air flow (without attachment) : 1.9 m^3 / min. (67.1 cu.ft/min.)

Maximum static pressure : $2,050 \text{ mm. H}_2\text{O}$ ($80.7 \text{ in H}_2\text{O}$)

Safety protector : With 6.3A. Current Fuse

Power Cord : 10 M.

Dust Capacity : 7.5 L.

Weight (without attachment) : 4.0 Kg.

Dimensions : 287 mm. (W) X 339 mm.(L) X 402 mm. (H)

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

VACUUM CLEANER

NOVEMBER 2019

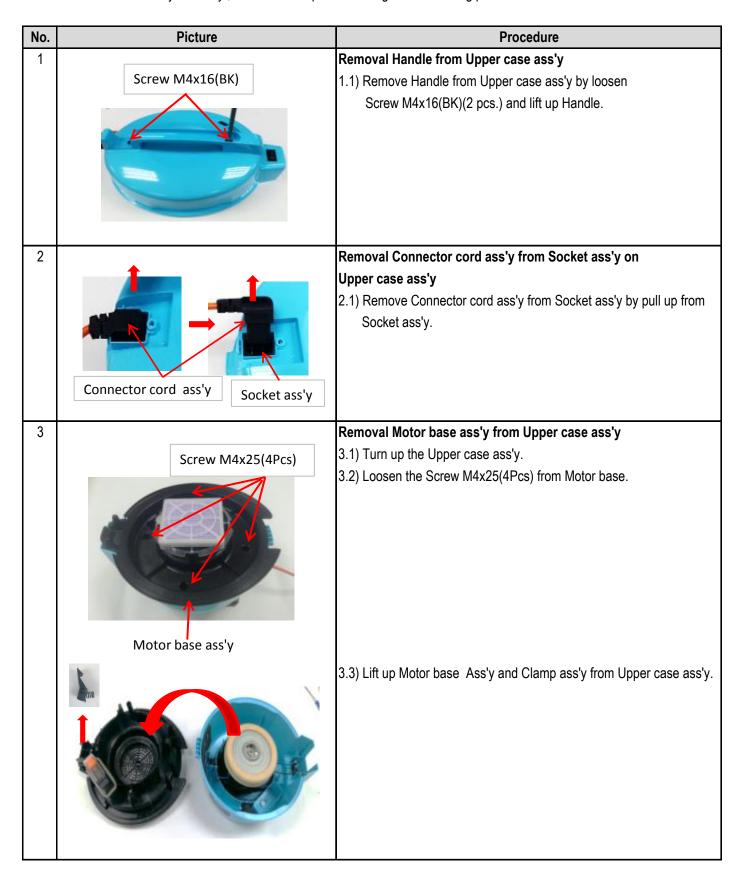
HITACHI CONSUMER PRODUCTS(THAILAND), LTD.

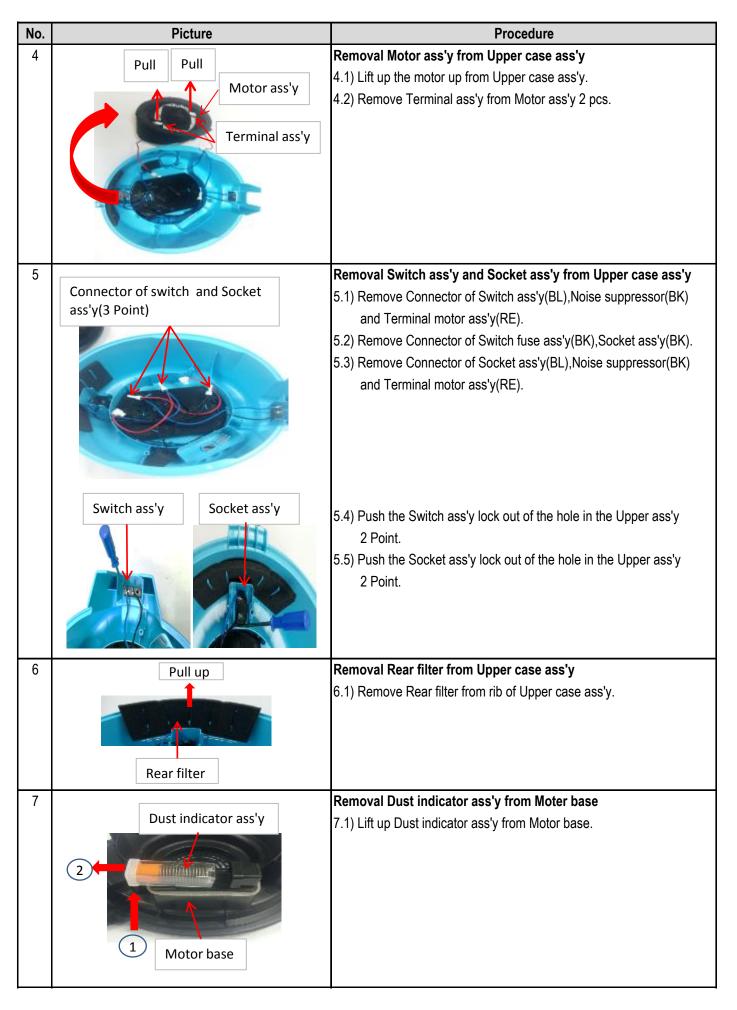


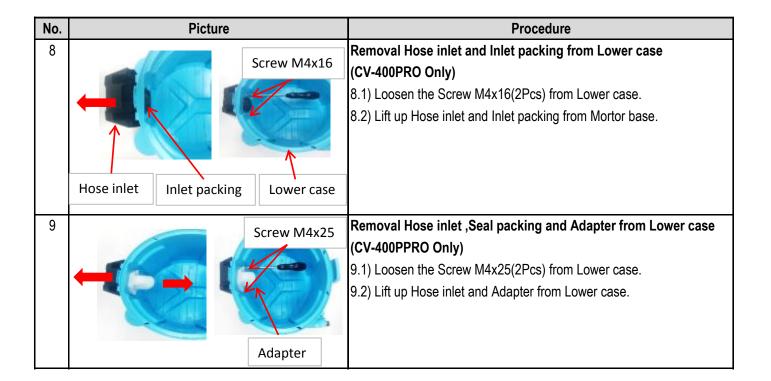
1. Removal and installation technique

1.1 Disassembly of the body

- 1. Disassembly of the body, unplug the power cord from AC outlet.
- 2. To replace the Upper Case unit, Remove the attached nameplate and then attach it to the new Upper Case unit.
- 3. When disassembly the body, Remove each part according to the following procedures.



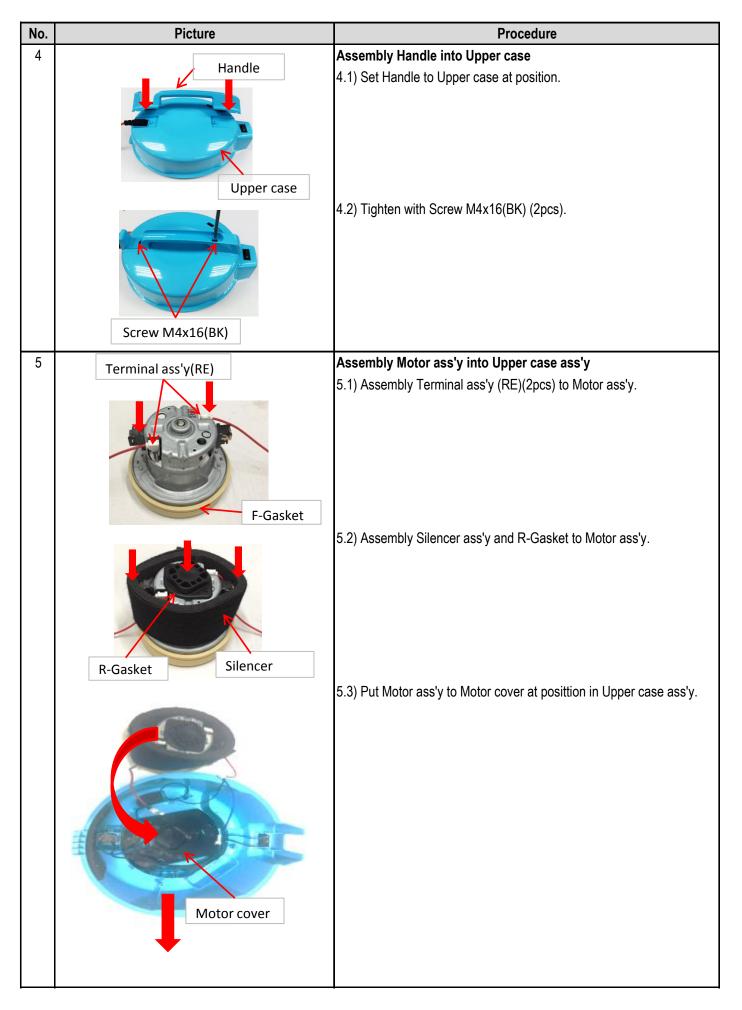




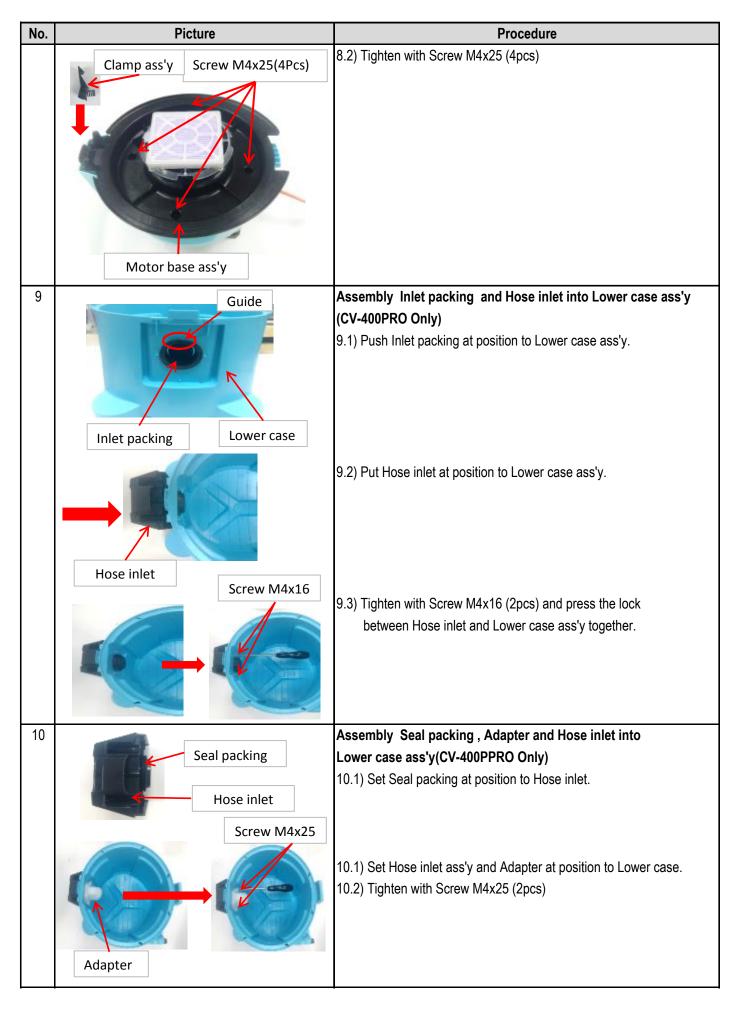
1.2 Assembly process

Assembly process to reverse the removal procedure

No.	Picture	Procedure					
1	Switch ass'y Upper case	Assembly Switch ass'y into Upper case 1.1) Set Switch ass'y to Hole Upper case and push switch ass'y to lock with Upper case.					
2	Socket ass'y Upper case	Assembly Socket ass'y into Upper case 2.1) Set Socket ass'y to Hole of Upper case and push Socket ass'y to lock with Upper case.					
3	Connector cord ass'y Upper case	Assembly Connector cord ass'y into Socket ass'y 3.1) Put Cord ass'y to Hole Socket ass'y after than push Connector cord ass'y into Socket ass'y.					







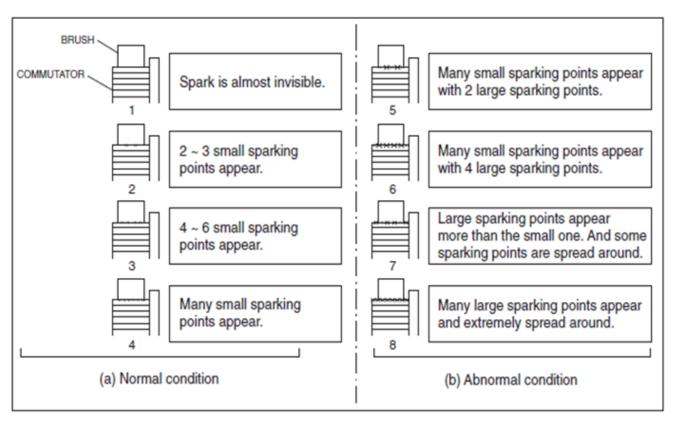
1.3 How to change CARBON BRUSH

1.3.1 Repairing and replacing of CARBON BRUSH which is in its normal condition. Especially, the surface of COMMUTATOR of AMATURE must be in good condition. If the color of COMMUTATOR surface is changed or the surface become rough, using period of CARBON BRUSH will be extremely shorten.

1.3.2 CARBON BRUSH changing: CARBON BRUSH is attached to housing of motor by screw. So, the screw should be removed. Then, remove CARBON BRUSH. After CARBON BRUSH changing, run vacuum cleaner motor with low electrical power (approximately 70 ~ 90% of normal electrical power) for 30 minutes. If the vacuum cleaner cannot perform under low electrical power, use normal electrical power instead.

Then, check the size of spark. If spark size is equal to No.5 or bigger, it means that CARBON BRUSH cannot be change.





1.4 Problem and solution

Problem	Inspection Area				
Vacuum power is low.	Is the dust container full?				
Filter clean-up indicator appear.	Is the filter clogged up with dust?				
Vacuum power is low But,	Is the filter clogged up with dust?				
dust container is not full.	Is the vacuum pipe, vacuum line or extension joint				
	clogged up with dust?				
If cleaning the Dust Case or	Is the protection filter clogged up with dust?				
Protection Filter already but the	If there is a case to change the new protection filter.				
Vacuum power is low or Filter					
Clean-up is indicator appear.					
Motor is not working.	Is the electicity plug inserted properly into the socket?				
	Is the heat protection equipment stop vacuum cleaner operation?				
	Is the Fuse 10A cut off?				

1.6 How to maintain vacuum cleaning performance and avoid the accident

- In case of electricity wire damaged, it need to be replace by manufacturer or authorized dealer to avoid danger.
- Do not allow obstruction at the air suction panel, the end of vacuum pipe for plain ground and carpet, long vacuum pipe, vacuum line, air outlet panel etc. the obstruction may cause high electrical power cost and motor heat.
- Do not use vacuum cleaner to clean up match, ashes from a chimney or smoking object. Doing so may cause fire accident.
- Do not use vacuum cleaner to clean up wet floor, And, do not use vacuum cleaner in wet or moist area, Because, moisture may cause motor or other mechanic part damage.
- Avoid picking up sharp objects. They may damage the vacuum cleaner.
- In order to clean vacuum cleaner unit and other part, wipe them with cloth soaked in soap water. Do not use oil compound with vacuum cleaner.
- Do not clean up switch with wet cloth or spill water on it. Because moisture may cause electric shock.
- Use only Hitachi battery brush with vacuum cleaner. When the brush needs to be replaced,
 please visit dealer/Hitachi service agent. Because the special tool required for open vacuum cleaner cover.
- Keep vacuum cleaner away from children. And do not leave electricity plug in the socket without taking care of.
- Always take off electricity plug from a socket before vacuum cleaner repairing.

Warning

Using the vacuum cleaner on wet floor may cause an electric chock.

2. PARTLIST

2.1 CV-400PRO (GN, LB, DBL)

		, , , , , , , , , , , , , , , , , , , ,							
NO.	PARTS NO.	DESCRIPTION		Q'TY		PACKED	REMARKS	ONLY FOR USE	
			GN	ΙD	ופח	Q'TY		AT THE WOI	RKS
			GN LB DBL						
1	CV-400PRO 001	UPPER CASE ASSY 400PRO (GN)	1			1	Inc. 2 - 7	2VAZ15608	A/V
	CV-400PRO 002	UPPER CASE ASSY 400PRO (LB)		1		1		2VAZ15608	B/V
	CV-400PRO 003	UPPER CASE ASSY 400PRO (DBL)			1	1		2VAZ15608	C/V
2		UPPER CASE FINISHING (GN)	1					2VAL15368	Α
		UPPER CASE FINISHING (LB)		1				2VAL15368	В
		UPPER CASE FINISHING (DBL)			1			2VAL15368	С
3		SWITCH ASSY CV-400PRO	1	1	1			2VAE15371	Α
4	CV-400 016	FUSE ASSY 6.3A(8028-E)	1	1	1	1		2J82E8028	E/V
5	CV-400PRO 005	CORD SOCKET ASSY CV-400PRO	1	1	1	1		3VAE13298	A/V
6		MOTOR COVER	1	1	1			1A2QB5633	1
7	CV-400PRO 009	REAR FILTER CV-400 PRO	1	1	1	1		3VPZ13271	1/V
8									
9	CV-400PRO 006	HANDLE CV-400PRO (GN)	1			1		1VPP05691	1/V
	CV-400PRO 007	HANDLE CV-400PRO (LB)		1		1		1VPP05691	2/V
	CV-400PRO 008	HANDLE CV-400PRO (DBL)			1	1		1VPP05691	3/V
10		PT SCREW M4X16 (BK)	2	2	2		Use for Handle	3VPM13299	1
11									
12	CV-400PRO 004	CORD ASSY (VDE) 400PRO	1	1	1	1		1VPE05704	1/V
13									
14	CV-400PRO 010	MOTOR ASSY (TXA) 900W 230V	1	1	1	1	Inc. 15 - 18	2K55J1423	M/V
15		MOTOR ASSY TXA 900W 230V	1	1	1			1K55E6077	Α
16	CV-3160 902	BRUSH HOLDER ASS'Y	1	1	1	1		2C6ZH3678	B/V
17	CV-400PRO 011	GASKET (F)	1	1	1	1		3A8LK5615	2/V
18	CV-960BK 902	GASKET (COMMON) K	1	1	1	1		3A8LL3291	2/V
19	CV-400PRO 012	LEAD WIRE MOTOR 240(R)	2	2	2	1		3J8ZK5533	G/V
		SILENCER ASS'Y(HI-EX)	1	1	1	1		3A8ZM7414	A/V
21									
22	CV-SP20V 903	NOISE CAPACITOR ASS'Y (220-240V)	1	1	1	1		2J1ZH9674	B/V
23									
24	CV-400PRO 013	MOTOR BASE ASSY 400PRO	1	1	1	1	Inc. 25 - 27	1VAZ05747	A/V
25		MOTOR BASE CV-400PRO (DG)	1	1	1			0VPP04339	1
26	CV-960BJ 906	DUST INDICATOR ASS'Y	1	1	1	1		3A4GE3019	G/V
27		INDICATOR PACKING CV-950	1	1	1			3L44J2238	1
28									
29	CV-300P 903	P-FILTER HEPA ASSY	1	1	1	1	Inc. 30 - 32	2V1ZG8191	A/V
30		P-HEPA GUARD 300	1	1	1			1L47C6210	1
31		P-HEPA GUARD COVER 300	1	1	1			1L47C6211	1
32	Sales Item	P-FILTER HEPA 300	1	1	1			2L4ZG8876	Α
33									
34	CV-300 917	FILTER ASSY	1	1	1	1	Inc. 35 - 37	2V1Z35150	F/V

NO.	PARTS NO.	DESCRIPTION	Q'TY			PACKED	REMARKS ONLY FOR U		USE
			GN LB DBL		Q'TY		AT THE WORKS		
			ON LB BBL						
35		FILTER ASSY CV-100	1	1	1			2L4710845	F
36		F SUPPORTER(100)	1	1	1			3V1Y28063	1
37		FILTER CAGE(200)	1	1	1			2V1C11301	3
38									
	CV-300 910	CLAMP WITH SPRING(DG)	1	1	1	1	Inc. 40 - 41	3A3QH2371	A/V
40		CLAMP (DG)	1	1	1			3V1YP4645	1
41		CLAMP SPRING CV-100	1	1	1			4A4T54349	1
42	01/ 400000 044	1 0 1 5 0 4 0 5 4 0 0 7 4 0 0 0 0 0 0 1 0 1				4		0)/4 70 4000	100
43		LOWER CASE ASSY 400PRO(GN)	1			1	Inc. 44 - 51	0VAZ04368	A/V
		LOWER CASE ASSY 400PRO(LB)		1	ļ.,	1		0VAZ04368	B/V
44		LOWER CASE ASSY 400PRO(DBL)			1	1		0VAZ04368	C/V
44		LOWER CASE (GN)	1	4				0VPP04338	1
		LOWER CASE (LB)		1	4			0VPP04338	3
45	CV-300 918	LOWER CASE (DBL) SUCTION INLET(DG)	1	1	1	1		0VPP04338 2V1YL5946	1/V
	CV-300 918 CV-300 919	INLET PACKING	1	1	1	1		3L4486549	1/V
47		PPT SCREW M4X16	2	2	2	'	Use for Suction Inlet	3VPD01939	1/ V
		CORD HOOK CV-400PRO (BK)	1	1	1	1	Ose for Suction filler	2VPP15244	1/V
49		PTT SCREW M4X16 (BK)	1	1	1	'	Use for Cord Hook	3VPM13301	1/1
50		TWIN CASTER CV-400 PRO	2	2	2		OSC 101 OOIG 1100K	2VAZ15222	1
	CV-300 925	WHEEL (100) DG	2	2	2	1		2L9333324	P/V
52	0 7 000 020	11122 (100) 20	 -	_	_	<u>'</u>		220000021	+ • •
53									\vdash
	CV-300 926	HOSE ASS'Y	1	1	1	1	Inc. 55 - 59	1A1ZA3203	U/V
55		CD HOSE 3.0M	1	1	1			1A1UE3397	
56		SEAL RING	2	2	2			3V2YM9308	1
57		STOPPER RING(EX)	2	2	2			2V2YL3450	1
58	CV-945BK 903	HOSE COUPLING (P) DGR	1	1	1	1		2V2ZA8751	L/V
59	CV-300 928	HOSE CONNECTOR(B) ASS'Y	1	1	1	1		2A1ZK9841	A/V
60									
	CV-300 932	CREVICE NOZZLE C120(DGR)	1	1	1	1		2V2EF2319	1/V
	CV-300 931	DUSTING BRUSH ASSY	1	1	1	1		2V2ZC8940	A/V
63	CV-300 930	EXTENSION PIPE(S)	3	3	3	1		1VPP05604	1/V
	CV-400 015	R&F TOOL ASSY D321-ECO	1	1	1	1		1VZZ04502	A/V
65									
66		CARTON BOX CV-400PRO (GN)	1			1		2VAZ15609	A/V
		CARTON BOX CV-400PRO (LB)		1		1		2VAZ15609	B/V
	CV-400PRO 020	CARTON BOX CV-400PRO (DBL)			1	1		2VAZ15609	C/V
69									<u> </u>
70									↓
71									

CV-400PRO CONSTRUCTION DIAGRAM AND CONNECTION DIAGRAM

