



E29990-00



POWERUP™ 14

14" Upright Vacuum
with HEPA Filter
& Dual Power



Operator and Parts
Manual

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TECHNICAL DESCRIPTION	Measurement Unit	PowerUp™ 14
Vacuum Motor Power	Watts	1000
Brush Motor Power	Watts	150
Dust Bag Capacity	Gallons	1.2
Working Surface	Inches	14
Weight	Lbs.	15
Noise Level	dBA	70 & 76
Voltage	Volt / HZ	120 Volt / 60 HZ

GENERAL SAFETY INFORMATION

PACKAGING

- The box and packaging materials have been designed to protect the vacuum during shipping and are biodegradable and recyclable. Please dispose of these items as you would any other product that can be recycled.

USED VACUUM CLEANER

- The symbols for the materials used to manufacture parts and accessories, and the recycle symbols, are located on the parts themselves, where there is room to do so. Retired vacuum cleaners may contain materials that can be re-used or recycled.

IMPORTANT SAFETY MEASURES

When using this vacuum, there are several basic precautions to be taken at all times, including:

- Always read all of the instructions for use before using the vacuum.
- Always follow the safety instructions.
- Only use the vacuum on surfaces described in this manual.

IMPORTANT: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

- Check the voltage stated on the vacuum cleaner before connecting the power cord to a power outlet; the supply voltage needs to be the same as the voltage stated on the vacuum's rating plate, which is located on the back of the vacuum cleaner. If you are not sure of your power supply voltage, please check with a qualified electrician.
- A damaged vacuum cleaner can be dangerous. Check the packaging, the vacuum cleaner and the attachments for any signs of damage. Never use a damaged vacuum.
- Never leave the vacuum cleaner plugged into a power outlet when not in use. Always unplug the vacuum when not in use or before carrying out any cleaning or maintenance to the vacuum.
- Only use the vacuum cleaner on dry surfaces; do not use it outdoors, on wet surfaces or to collect any type of liquid. Do not use this vacuum to collect liquids because this will create an electrical hazard. Do not vacuum recently shampooed carpets that are damp. Allow the carpets to completely dry before vacuuming them.
- This vacuum cleaner is a professional grade machine and should only be used by trained skilled operators.
- If the power cord becomes damaged, it must be replaced by an authorized service technician. Never use the vacuum cleaner with a damaged power cord or plug.
- If the vacuum does not operate correctly or if it has been dropped or damaged, left outdoors or immersed in water, do not attempt to operate the vacuum. Have the vacuum serviced by an authorized technician.
- For any repairs or to purchase parts or accessories, please contact your dealer.
- Do not pull or carry the vacuum cleaner by the cord; do not use the cord as a lifting strap; do not close the cord in doors or pull it across sharp edges or around corners. Never pass the vacuum over the cord. Keep the cord away from hot surfaces.
- Do not unplug the vacuum by pulling on the power cord: Grip and pull the plug. Do not pull directly on the cord to remove from electrical outlet. Do not handle the power cord, plug or vacuum with wet hands.
- Always keep hair, clothing, fingers and all other body parts away from the vacuum's openings and moving parts.
- Turn off the power switch when the vacuum is not in use.
- Use caution when cleaning stairs.
- Do not pass attachments over the vacuum's power cord or any extension cord.
- Do not vacuum or try to collect sharp objects.
- Always turn off the vacuum before replacing or removing the vacuum hose.
- Never touch a wet power cord, cord plug or power outlet. There is the danger of an electrical shock if wet components are touched.
- For routine maintenance, unplug the vacuum and wipe down the vacuum with a dry clean cloth. Never place the vacuum in water.
- Never use the vacuum to collect burning or smoking objects.

GENERAL SAFETY INFORMATION

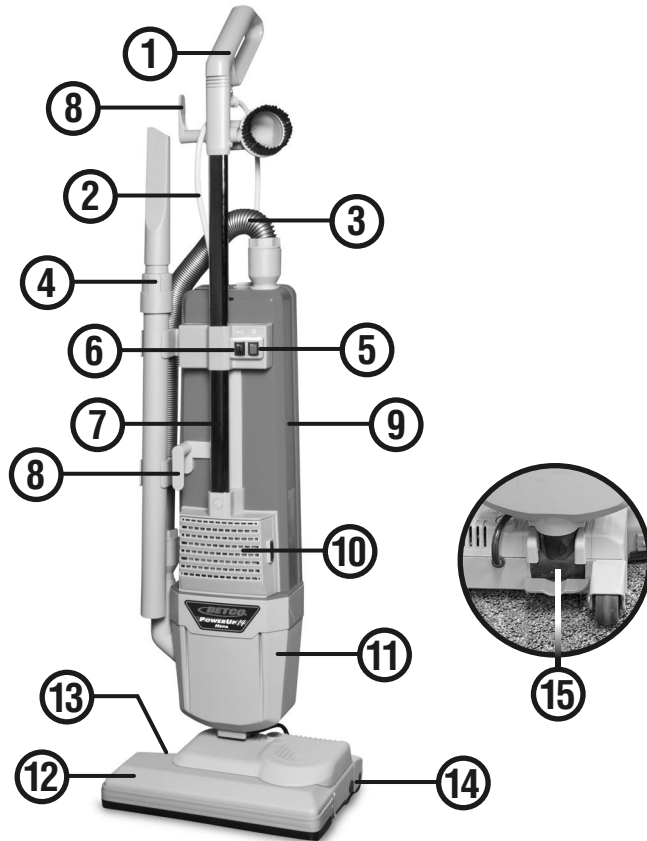
- Never place any items in the vacuum's openings. Never use the vacuum with it's openings blocked; keep the vacuum free from dust, dirt, hair and anything else that might reduce it's air flow.
- Do not use the vacuum to collect copier/printer toner powder. Toner powder can conduct electricity which would create an electrical shock hazard.
- Do not use the vacuum cleaner without it's collection filter bag and exhaust filter installed. Collection filter bags need to be disposed of when filled and can be used only once. Do not try to re-use them.

IMPORTANT: The manufacturer cannot accept any liability for damage to people or property caused by improper use, maintenance carried out by persons without the proper instruction, the use of non-OEM or unauthorized spare parts, or any form of tampering with and/or changes made to the original product.

The manufacturer reserves the right to make changes to the vacuum and/or accessories supplied without any prior notice.

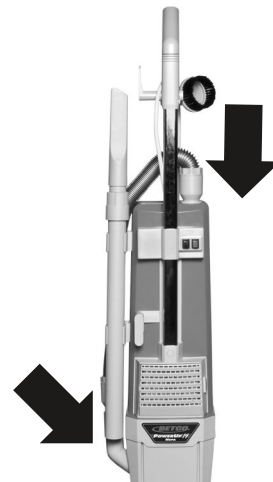
MACHINE PREPARATION AND OPERATION

- 1 Ergonomic hand grip
- 2 Power cable
- 3 Hose
- 4 Telescopic extension
- 5 Power switch
- 6 High/Low switch
- 7 Carrying handle
- 8 Cord wrap hooks
- 9 Collection cabinet
- 10 Air exhaust
- 11 Motor housing
- 12 Electric brush housing
- 13 Base
- 14 Wheels
- 15 Handle release pedal



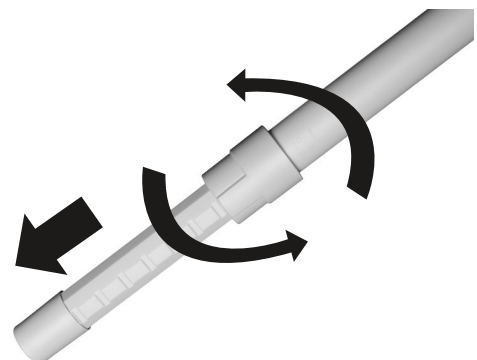
2. CONNECTING THE HOSE

Insert the straight coupling into the collection cabinet hole: insert the angled coupling into the side opening of the motor housing.



3. TELESCOPIC EXTENSION OPERATION

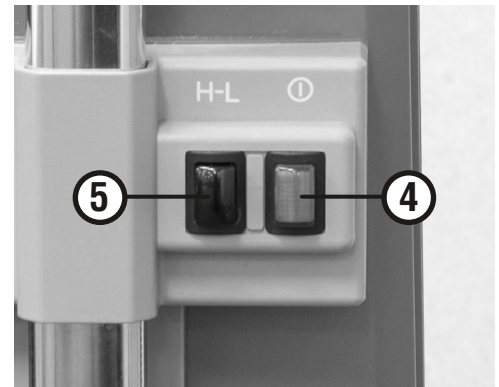
Pull out the extension and lock it by turning the central collar in a counter-clockwise direction.



MACHINE PREPARATION AND OPERATION

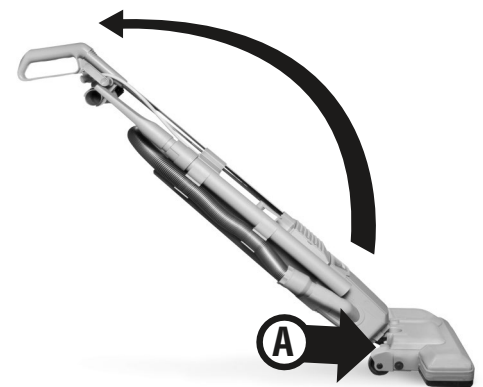
4. Turn power switch on and operate in low mode for daily cleaning.

5. Depress the high / low switch if more power is required for heavier debris.



6. STARTING UP THE BRUSH

To operate: Use your foot to depress the handle release pedal (A) and tip rearward the vacuum handle at the same time.



7. CHECKING THE BRUSH

The brush control device continually monitors the brush operation. The following indicator lights could be observed and mean the following:

- Green light: the brush is operating correctly.
- Red light: the brush is blocked or subject to excessive stresses. When the Red light is illuminated turn off the cleaner, unplug the vacuum from the electrical outlet and clear the blockage.
- Simultaneous red and green lights: the brush roller is worn out and must be replaced.



8. FILTER-FULL INDICATOR

If the Full Bag Indicator turns red, check the following:

- a) Collection Filter Bag. If it is full replace it with a new, unused bag.
- b) Brush Roller. If obstructed and locked clear the blockage.
- c) Vacuum Hose. If it is blocked, clear the blockage.
- d) Hepa Filter. If blocked, replace the Hepa filter.



MAINTENANCE

1. COLLECTION FILTER BAG REPLACEMENT

Remove the rear vacuum cabinet cover. Place collection filter in the collection cabinet, while inserting the bag support fitting into the hole in the collection filter bag and pushing the safety ring as far as it will go. If the collection filter bag is not correctly positioned, the rear vacuum cabinet cover will not close.



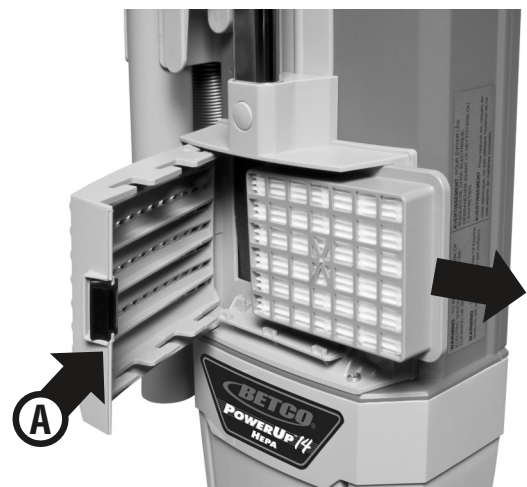
2. FOAM FILTER REPLACEMENT

Remove the foam filter support and replace it or clean it by tapping it gently (the filter needs to be replaced about every 20 collection filter bags).



3. HEPA FILTER REPLACEMENT; PREFILTER REPLACEMENT OR CLEANING

Depress the black clip (A) to release the ventilation grill and at the same time slide out the grill (in the direction of the arrow) to free it. The prefilter is located in the air outlet area under the Hepa filter. Replace or clean the prefilter by washing it with water, then dry it and reinstall. Replace the Hepa filter when dirty and reassemble the ventilation grill by sliding it until it snaps into place.



MAINTENANCE

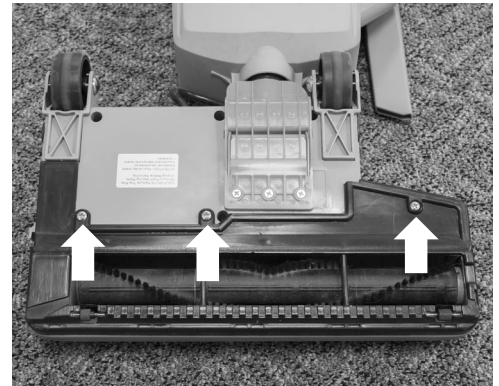
4. REMOVING OBSTRUCTIONS FROM THE EXTERNAL VACUUM HOSE

- Obstructions can be removed from the vacuum hose by sliding the hose out from its seating and the vacuum motor. With the vacuum motor running place your hand over the end of the vacuum hose and then quickly remove your hand. This can dislodge hose obstructions.
- Do not insert any items to remove obstructions from the vacuum hose.



5. REMOVING OBSTRUCTIONS FROM THE INTERNAL HOSE

- Disconnect power.
- Place the collection cabinet into a horizontal position with the underside of the brush base exposed.
- Remove the screws from the brush base and remove the lower brush cover.
- Remove the obstruction from the internal hose with the aid of a flexible cleaning swab.

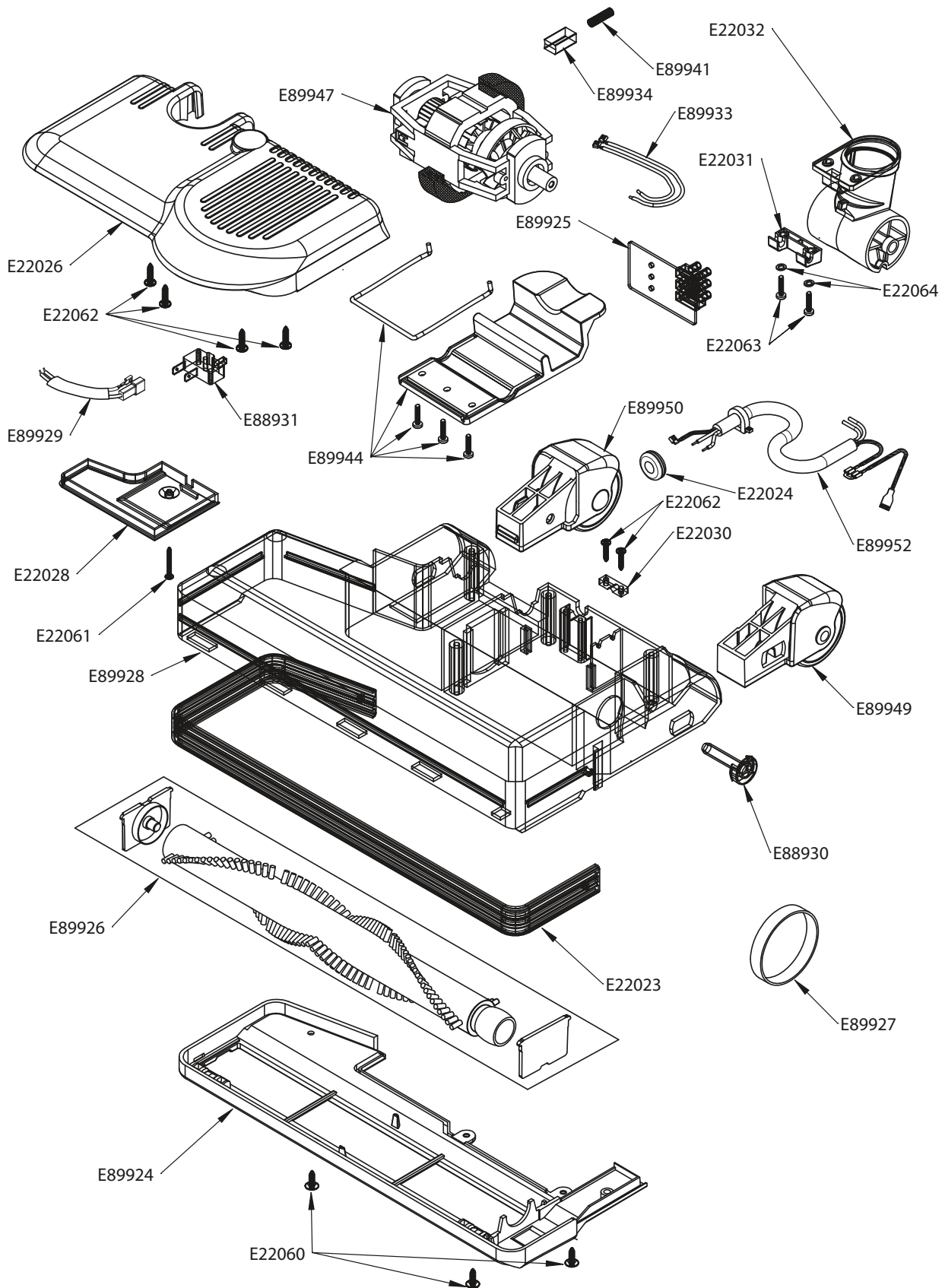


ATTACHMENTS SUPPLIED

- 1 – Small brush
- 2 – Crevice nozzle
- 3 - Hose
- 4 – Extension



BRUSH BASE SPARE PARTS DIAGRAM

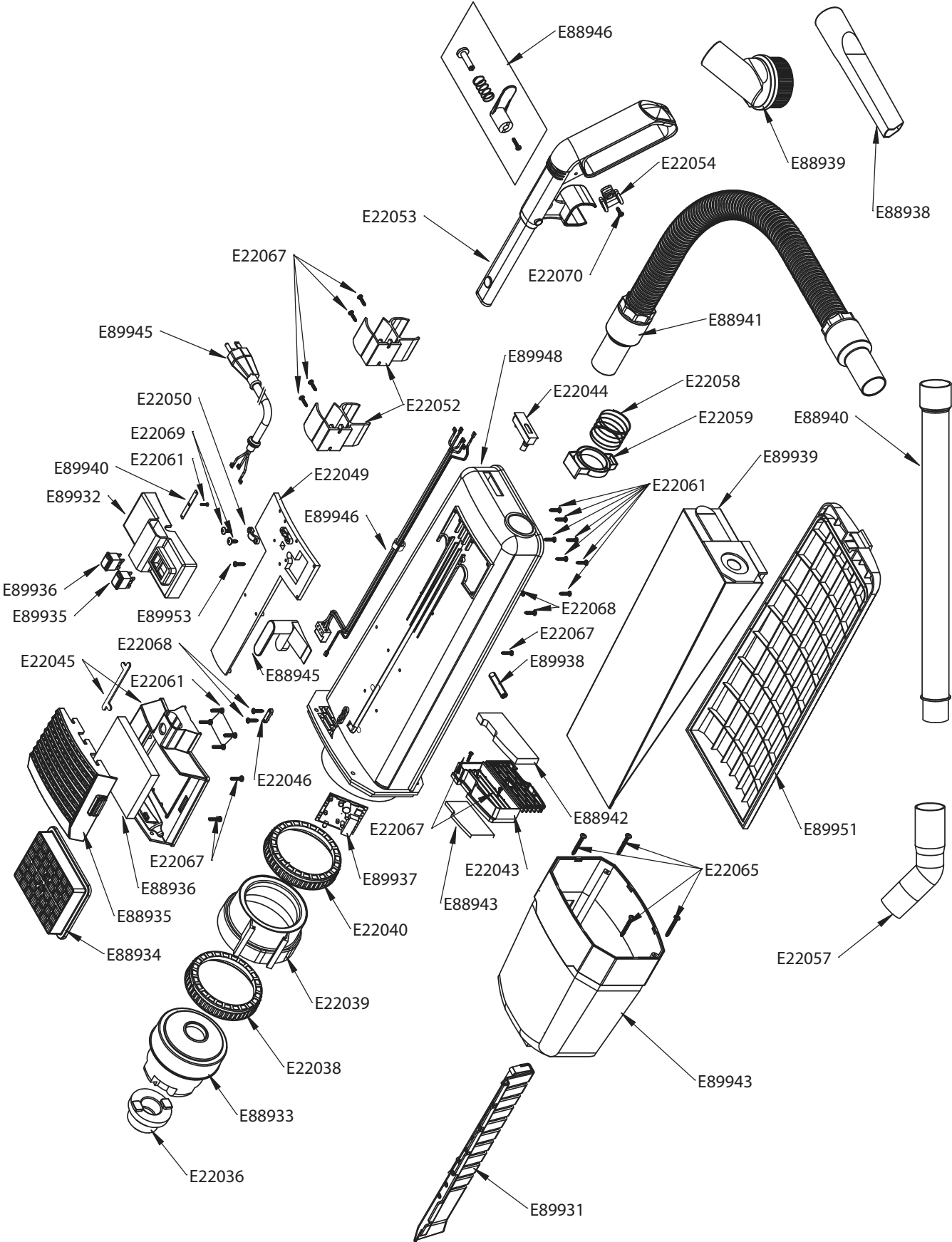


BRUSH BASE SPARE PARTS LISTING

Part #	Description	Qty.
E22023	DARK GREY BUMPER	1
E22024	CORD GROMMET	1
E22026	COVER, UPPER BASE	1
E22028	COVER, MICROSWITCH	1
E22030	CLAMP	1
E22031	CORD FASTENER	1
E22032	PIVOT JOINT, HANDLE	1
E22060	SCREW M4.2 x 16, ZINC PHPS	3
E22061	SCREW, M3 x 20, PHPS PAN HEAD TAPPING	1
E22062	SCREW, M3.5 x 16, PHPS PAN HEAD TAPPING	6
E22063	SCREW, M3 x 26, PHPS PAN HEAD TAPPING	2
E22064	WASHER, 3.2 x 9 x 0.8 STEEL	2
E88930	WHEEL PIN	2
E88931	COMPLETE ASSEMBLED MICROSWITCH	1

Part #	Description	Qty.
E89924	350/14" BASE	1
E89925	THREE-POLE TERMINAL	1
E89926	350 COMPLETE NYLON BRUSH	1
E89927	DRIVE BELT	1
E89928	DARK GREY CASE 350/14"	1
E89929	MICRO SWITCH WIRING	1
E89933	MOTOR WIRING	1
E89934	CARBON BRUSH	2
E89941	CARBON BRUSH SPRING	2
E89944	LONG PEDAL KIT	1
E89947	120V BRUSH MOTOR	1
E89949	LEFT REAR WHEEL	1
E89950	RIGHT REAR WHEEL	1
E89952	BOARD WIRING	1

VACUUM BODY PARTS DIAGRAM



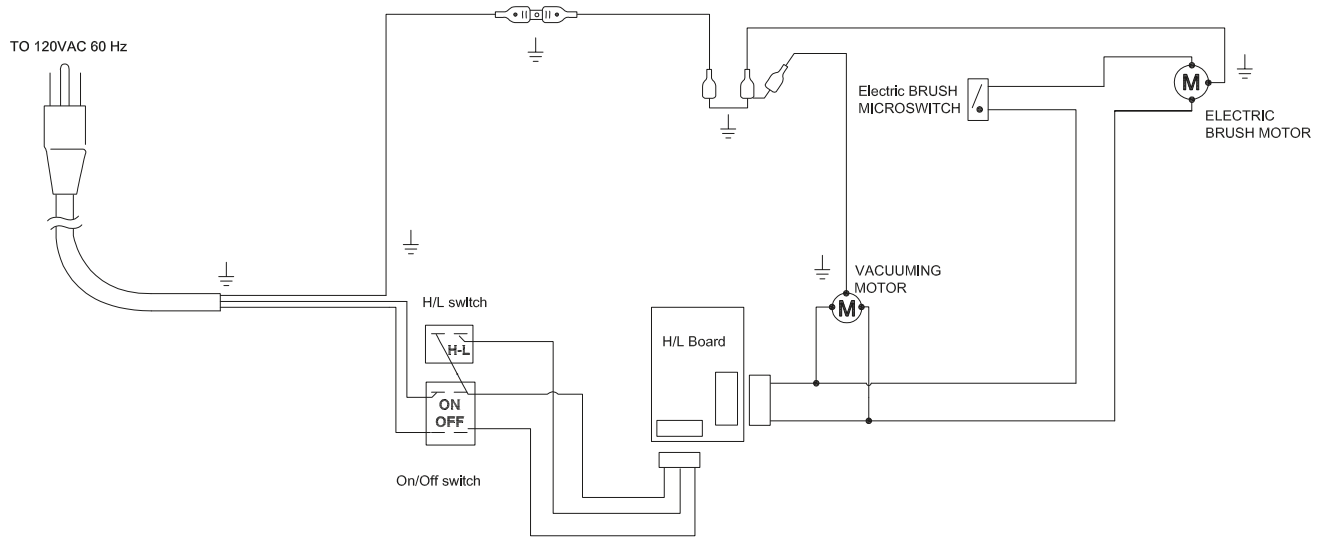
VACUUM BODY PARTS LISTING

Part #	Description	Qty.
E22036	SUPPORT, VAC MOTOR	1
E22038	RING, VAC MOTOR	1
E22039	SPACER, VAC MOTOR	1
E22040	GASKET, VAC MOTOR	1
E22043	CASE, VAC MOTOR FILTER	1
E22044	INDICATOR, FULL BAG	1
E22045	PROTECTION, HEPA FILTER	1
E22046	CLAMP	1
E22049	MOUNT, HANDLE BASE	1
E22050	CORD FASTENER	1
E22052	CLIP, EXTENSION WAND	2
E22053	HANDLE ASSEMBLY	1
E22054	CORD GUIDE	1
E22057	HOSE ELBOW	1
E22058	SPRING, BAG SAFETY SYSTEM	1
E22059	CLIP, BAG SAFETY SYSTEM	1
E22061	SCREW, M3 x 20, PHPS PAN HEAD TAPPING	12
E22065	SCREW, M4 x 40, PHPS PAN HEAD TAPPING	4
E22067	SCREW, M3.5 x 12, PHPS PAN HEAD TAPPING	9
E22068	SCREW, M3 x 10, PHPS PAN HEAD TAPPING	4
E22069	SCREW, M4.2 x 9.5, PHPS PAN HEAD TAPPING	2
E22070	SCREW, M4 x 16, PHPS PAN HEAD TAPPING	1
E88933	MOTOR, VACUUM	1
E88934	FILTER, HEPA	1
E88935	COVER, HEPA FILTER	1

Part #	Description	Qty.
E88936	PRE-FILTER, HEPA	1
E88938	CREVICE TOOL	1
E88939	DUSTING TOOL	1
E88940	WAND, TELESCOPING	1
E88941	HOSE, VACUUM	1
E88942	FILTER, VAC MOTOR	1
E88943	FILTER, SECONDARY, VAC MOTOR	1
E88945	HOOK, LOWER CORD WRAP	1
E88946	CORD WRAP ASSEMBLY, UPPER	1
E89931	AIR DUCT SYSTEM	1
E89932	SWITCH HOLDER	1
E89935	SWITCH, BLUE WITH LIGHT	1
E89936	SWITCH, BLACK	1
E89937	120V ELECTRONIC CARD	1
E89938	BLISTER OF 10 GREEN INDICATORS	1
E89939	FILTER BAG (PACK OF 10)	2
E89940	BRASS BLADE	1
E89942	VACUUM MOTOR 120V KIT	
E89943	HOUSING, VAC MOTOR	1
E89945	POWER CORD	1
E89946	WIRE HARNESS	1
E89948	COLLECTION CABINET	1
E89951	REAR COVER, COLLECTION CABINET	1
E89953	SCREW, M3.5 x 9.5, PHPS PAN HEAD TAPPING	1

WIRING SCHEMATIC

CAUTION! Any repair involving the electric equipment must be carried out by qualified personnel only.



BETCO US WARRANTY POLICY

10 year coverage

Subject to the conditions stated below, Betco warrants parts and labor on rotationally molded polyethylene tanks/housings and injection molded vacuum head assemblies to be free from defects in materials and workmanship for a period of ten years to the original purchaser.

3 Year Coverage

Subject to the conditions stated below, Betco warrants parts and labor on all other Betco components to be free from defects in materials and workmanship for a period of three years to the original purchaser.

1 Year Coverage

Subject to the conditions stated below, Betco offers a limited warranty on parts and labor on the following equipment: parts and accessories to be free from defects in materials and workmanship for a period of one year to the original purchaser.

- PowerUp™ 14 Upright Vacuum: #E29990-00
- Bac Pac Lite Vacuum: #85903-00
- FiberPRO® Floor Dryer: #85507-00
- WORKMAN™ Series Vacuums: #85024-00, #85025-00, #83012-00, #85027-00
- All Tools and Accessories
- All Battery Chargers
- All Batteries are pro-rated for 1 year

Allowable Travel Time Warranty Reimbursement:

Eligible equipment: All battery and propane powered equipment products. Warranty period: 90 days from date of sale to the original purchaser. A maximum 180 mile round trip at 50 cents per mile will be allowed for warranty consideration.

Propane Machine Warranty:

Kawasaki engines are warranted by Kawasaki for a period of 2 years against manufacturer defects. All other components (except wear items)* are warranted by Betco for a period of 3 years.

***Wear Items exempt from Warranty consideration include but may not be limited to: power cords, transport wheels, vacuum bags, belts, squeegee blades, pad drivers, clutch plates, handle grips, filters, screens, throttle cables, brushes and carbon brushes.**

Subject to the conditions and exceptions stated in this warranty, Betco warrants the Betco products to be free from defects in material and workmanship, under normal use and service, for the periods listed under the warranty policy to the original purchaser. At any time during the warranty period, Betco will furnish replacement parts for the Betco parts to the original purchaser. Such parts will be furnished and charged including transportation costs, to the original owner through any Betco authorized Service Distributor. If the original part is returned within the warranty policy period from date of delivery for inspection by Betco and is found to be defective the owner will be credited for the cost of replacement parts plus shipping and handling. Replacement parts that have become defective through wear or abuse are not included in this warranty.

This warranty does not apply to damage or defect caused by accident, misuse, negligence, fire, or to any Betco product which has been serviced or repaired by other than an authorized Betco Service Distributor or Betco factory personnel. This warranty is void if products are used for any purpose other than that which was intended. There are no other warranties expressed or implied. In no event shall Betco be liable for incidental or consequential damages or any damage to person or property. (Please note some states do not allow the exclusion or limitations for incidental and consequential damages).

