



IPC

BY TENNANT COMPANY

UV120E

ULTRALITE

Commercial Vacuum



USER GUIDE

MODEL UV120E

PART # T80455

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IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING
YOUR IPC UV120E COMMERCIAL VACUUM.

Always connect to a polarized outlet (left slot is wider than right). Unplug from outlet when not in use and before conducting maintenance.

WARNING:

**To reduce the risk of fire,
electric shock, or injury:**

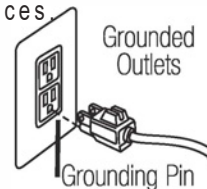
- Do not modify the polarized plug to fit a non-polarized outlet or extension cord.
- Do not leave vacuum cleaner unattended when it is plugged in.
- Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces.
- Do not allow children to operate vacuum cleaner or use as a toy.
- Close attention is necessary when used by or near children.
- Do not use for any purpose other than described in this User's Guide.
- Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug.
- If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, have it repaired at an authorized service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle vacuum cleaner or plug with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before plugging or unplugging vacuum cleaner.
- Use extra care when cleaning stairs.
- Do not pick up flammable materials (lighter fluid, gasoline, kerosene, etc.) or use in the presence of explosive liquids or vapors.
- Do not pick up toxic material (chlorine bleach, ammonia, drain cleaner, etc.).
- Do not use vacuum cleaner in an enclosed space filled with vapors given off by oil base paint, paint thinner, some moth proofing substances, flammable dust, or other explosive or toxic vapors.
- Do not pick up hard or sharp objects such as glass, nails, screws, coins, etc.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without filters in place.
- Use only on dry, indoor surfaces.
- Keep appliance on a level surface.
- Do not carry the vacuum cleaner while it is running.
- Do not operate cleaner in bare feet or when wearing open-toe shoes or sandals.
- Do not use without dust bag or dirt cup in place. Shake bag and empty dirt cup frequently when picking up very fine materials such as powder.

SAVE THESE INSTRUCTIONS

THIS MODEL IS FOR COMMERCIAL USE.

GROUNDING INSTRUCTIONS

This appliance must be connected to a grounded wiring system. If it should malfunction or break down, grounding provides a safe path of least resistance for electrical current, reducing the risk of electrical shock. The cord for this appliance has an equipment-grounding conductor and a grounding plug. It must only be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.



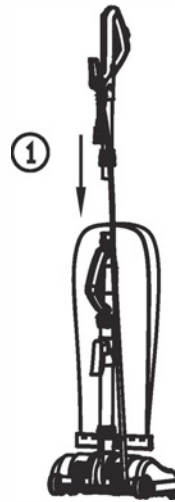
WARNING:

Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or service person if you aren't sure if the outlet is properly grounded. DO NOT MODIFY THE PLUG. If it will not fit the outlet, have a proper outlet installed by a qualified electrician. This appliance is designed for use on a nominal 120-volt circuit, and has a grounding attachment plug that looks like the plug in the drawing above. Make certain that the appliance is connected to an outlet having the same configuration as the plug. No plug adapter should be used with this appliance.

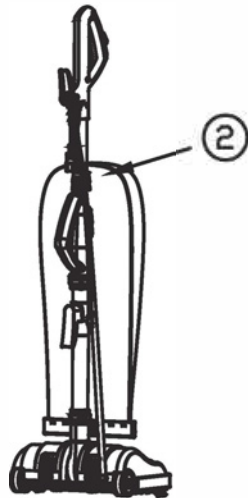


Assembly Instructions

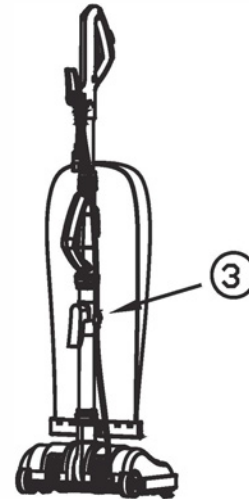
1. With ON/OFF switch facing the front of the unit. Insert the end of the upper handle into the top of the vacuum as shown in the illustration at left. Push down firmly until the upper handle is seated all the way in the vacuum.



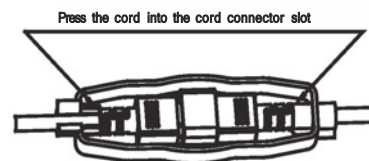
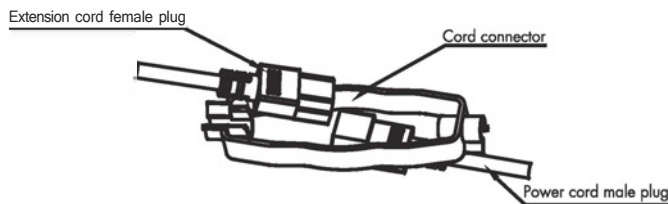
2. Tighten the upper collar.



3. Press the cord into the cord clip, and ensuring the cord is fully rested in clip.



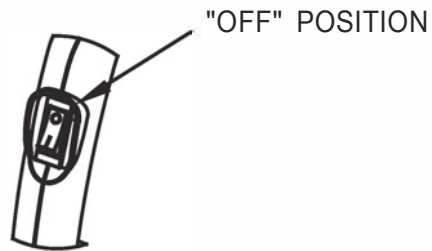
4. Connect the extension cord to the power cord male plug, and a cord connector to be used to avoid the loose connection between power cord and extension cord. (Refer to the below illustrations.)



A new filter bag has been installed at the factory. Your vacuum cleaner is now ready for use.

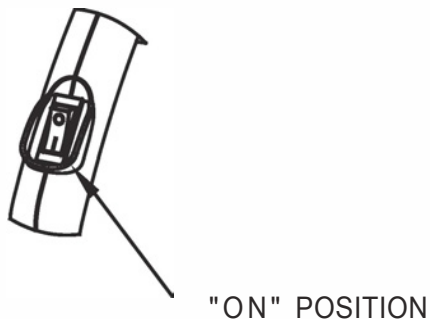
Operating Instructions

POWER SWITCH



"OFF" POSITION

The "O" switch position turns the power off to the vacuum and should be used when the vacuum is unplugged and the vacuum is stored for the next use. Always turn the vacuum OFF before unplugging it from the electrical outlet.



"ON" POSITION

Press the switch to the "I" position to turn on the vacuum when using for carpet and hard floors.

When the vacuum is ON, the brush roll is engaged and the suction is activated.

Although your upright will pick up pins, paper clips, and other small objects, it is recommended that these be removed from the floor before you vacuum. Failure to do so may result in permanent damage to the motor suction fan and its housing.

This vacuum should only be operated with the original power/extension cord. Replace with a genuine IPC UV120E replacement power/extension cord.

Operating Instructions

HANDLE RELEASE



To release the handle, press on the base of the vacuum with your foot as shown at left. The handle is now free to lower for normal vacuuming.

HANDLE LOCKING



When finished vacuuming, you may lock the handle in the upright position as shown at left by simply moving the handle up until it stops. **IMPORTANT!** Never leave the vacuum cleaner running in this position as it may cause damage to the floor or to your vacuum cleaner.

MAXIMUM HANDLE RETRACTION



The vacuum handle can be lowered all the way to the floor for cleaning under chairs and low furniture. Simply push down on the handle (as shown above left) and lower it to the desired height.

MAINTENANCE

CHANGE THE FILTER BAG

Refer to the illustrations at left. ALWAYS switch off the vacuum cleaner and unplug it before removing the filter bag

1. Unzip the outer bag.



2. Remove the filter bag by pulling the collar off the connector and place bag in trash.



3. Connector for filter bag.



4. Place new filter bag into outer bag and push cardboard collar on filter bag onto connector.



5. Press on edges of filter bag collar to insure the filter bag is completely installed.

IMPORTANT:

Check to make sure filter bag collar is behind the lips of the connector. This will prevent dust from leaking into outer bag.

6. Zip outer bag close.

IMPORTANT! Never attempt to empty and reuse a filter bag. This will degrade the performance of your vacuum cleaner and may cause damage to the vacuum cleaner.

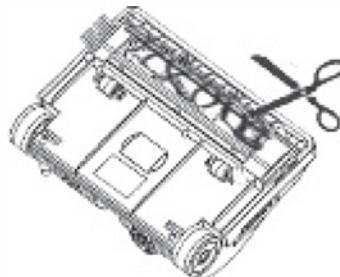
CLEARING A BRUSH ROLL JAM

IMPORTANT! DO NOT ATTEMPT TO TOUCH THE BRUSH ROLL OR CLEAR THE BRUSH ROLL OF ANY OBSTRUCTION WITHOUT SWITCHING THE VACUUM OFF AND UNPLUGGING IT FROM THE OUTLET. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY.

1. Carefully inspect the brush roll for tangled hair, carpet strings or large debris. Beware of any sharp objects that may have become lodged in the brush roll area. DO NOT pull on anything that has jammed tightly around the brush roll as it may damage the vacuum cleaner.

2. Use scissors to carefully cut these objects off the brush roll and remove them from the vacuum cleaner.

3. Changing the brush should be performed by an authorized IPC UV120E vacuum dealer.

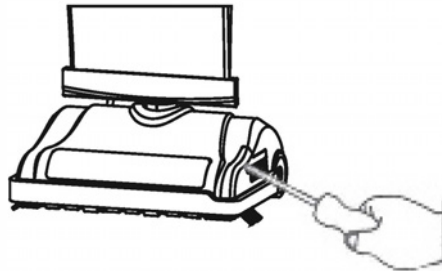


MAINTENANCE

CHECKING THE DRIVE BELT

⚠ WARNING: Unplug cord from electrical outlet before servicing.

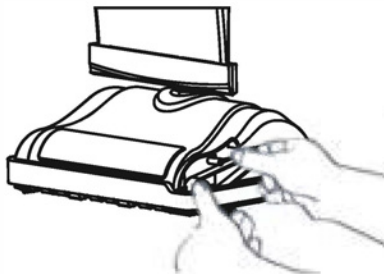
1) Remove the screw located on side of power head.



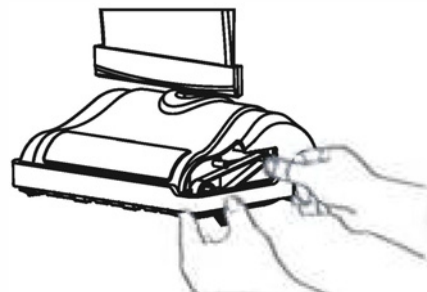
2) Slide the door forward by prying open with a screwdriver or coin.



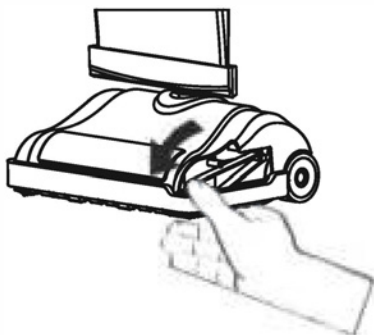
3) Remove the belt from the brush roll pulley and the motor drive shaft, clean the residue off the brush roll pulley if needed.



4) Loop the new belt over the motor drive shaft. Place the opposite end of the belt on the brush roll pulley.



5) Rotate the brush roll several complete revolutions to ensure that no part of the belt is overhanging the end of the motor drive shaft.



6) Slide the door back and replace screw.

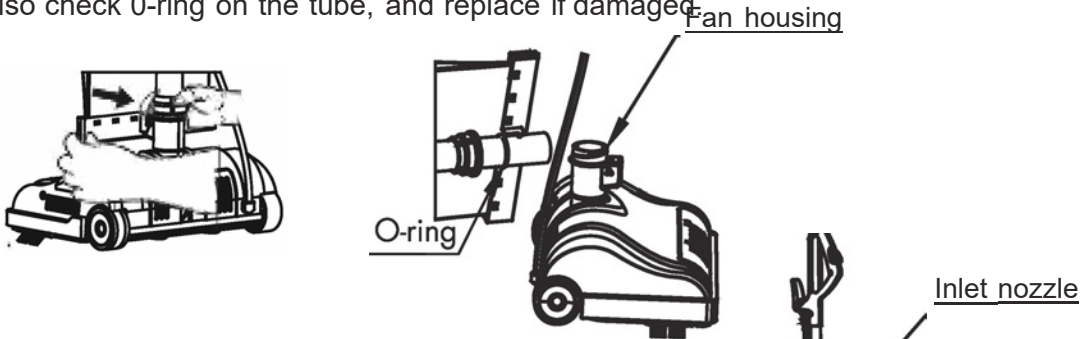


MAINTENANCE

CLEARING A CLOGGED VACUUM CLEANER

! WARNING: Unplug cord from electrical outlet before servicing.

1. Unhook the bottom of the outer bag. Twist lower collar counterclockwise to slide up. Pull the tube out of the base, and check if there are obstructions in the tube and the fan housing. Remove the obstructions. Also check O-ring on the tube, and replace if damaged.

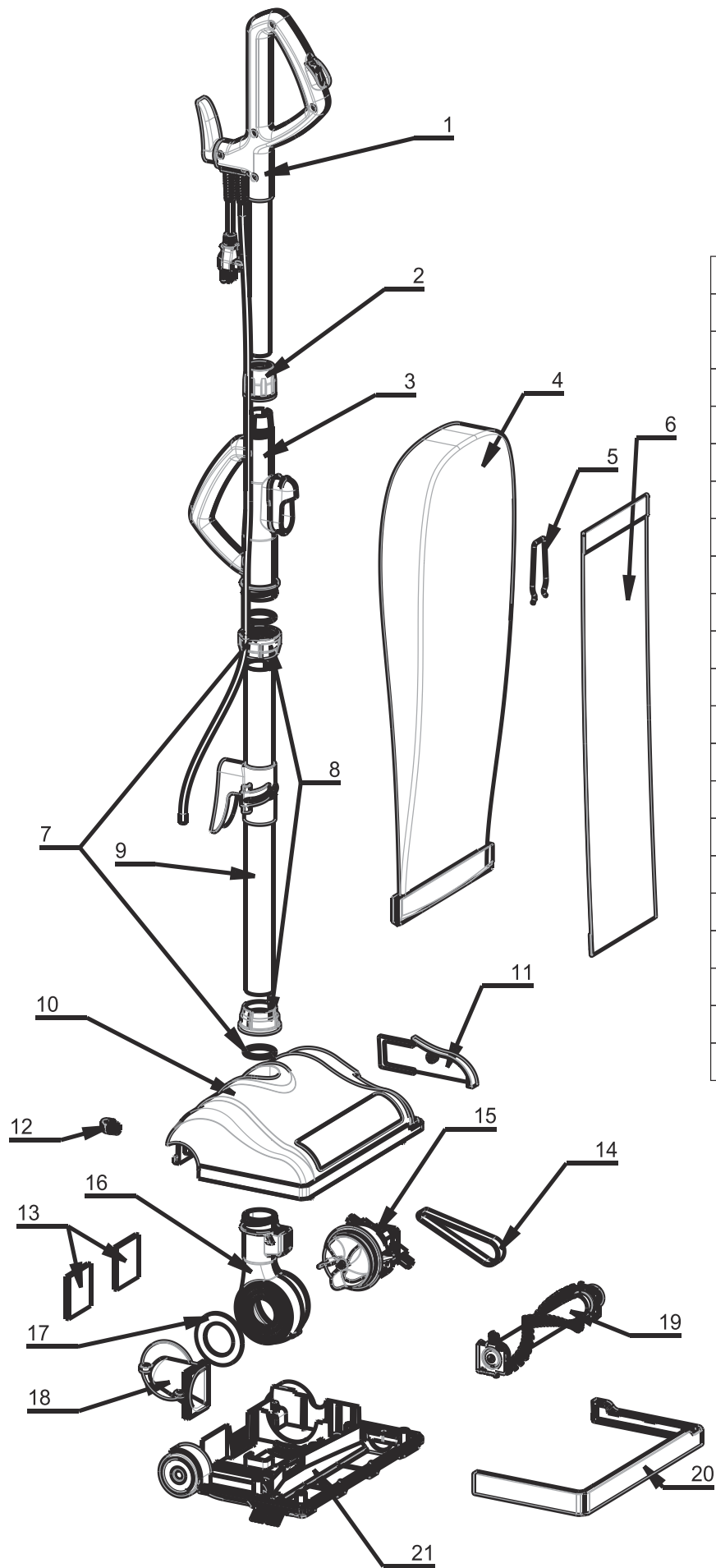


2. Remove the filter bag and check the inlet nozzle for any obstructions.

POWER CORD AND STORAGE

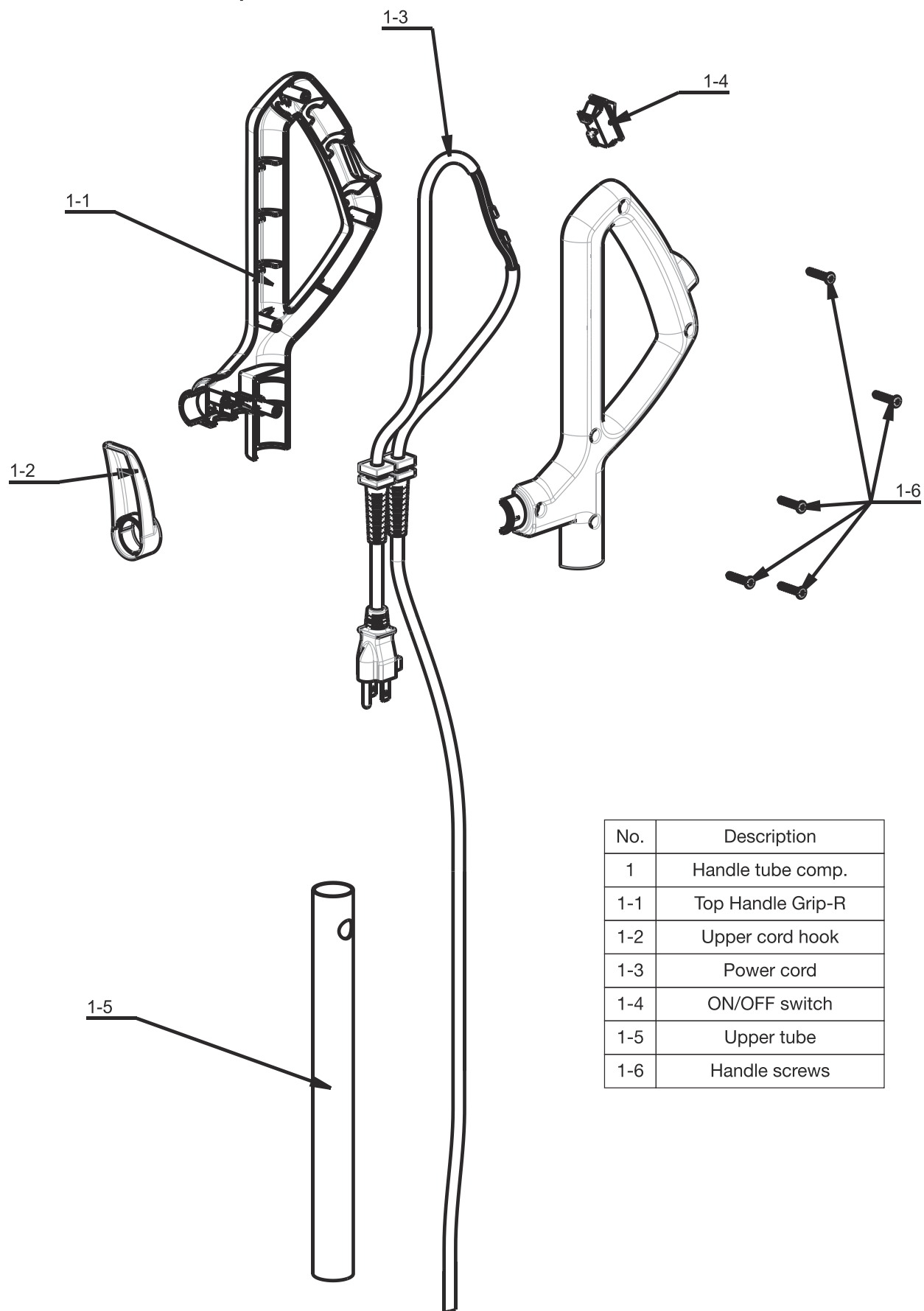
1. Do not pull or carry by cord, use cord as a handle, close a door on cord or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord way from heated surfaces.
2. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord. Do not handle plug or appliance with wet hands.
3. Use only 3-wire extension cords that have 3-prong grounding type plugs and 3-pole cord connectors that accept the plug from the product. Use only extension cords that are intended for extra-hard service. These extension cords are identified by a marking, such as "SJT". Use only extension cords having an electrical rating no less than the rating of the product. Do not use damaged extension cords. Examine the extension cord before using, and replace if damaged. Do not damage the extension cord and do not pull on any cord to disconnect.
4. Wind the cord around the upper and lower cord hook when storing, and swivel the upper cord hook to release the cord before using.





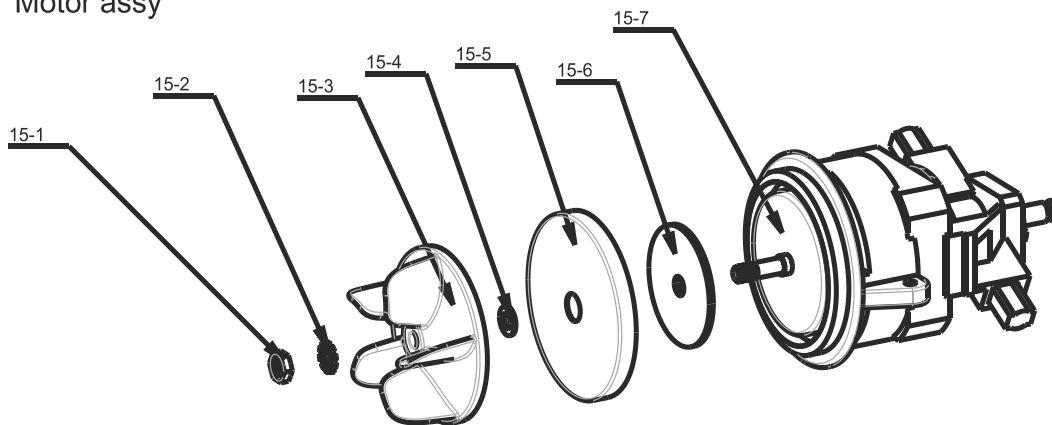
No.	Description
1	Handle tube comp.
2	Upper retaining collar
3	Carry handle
4	Cloth bag
5	Retaining clip
6	Paper bag
7	O ring
8	Lower retaining collar
9	Lower tube assy
10	Hood assy
11	Belt cover
12	Strain relief bushing
13	Exhaust foam
14	Belt
15	Motor assy
16	Air duct/swivel
17	Inlet duct gasket
18	Inlet duct
19	Brush roller
20	Furniture guard
21	Base plate comp.

Handle tube comp



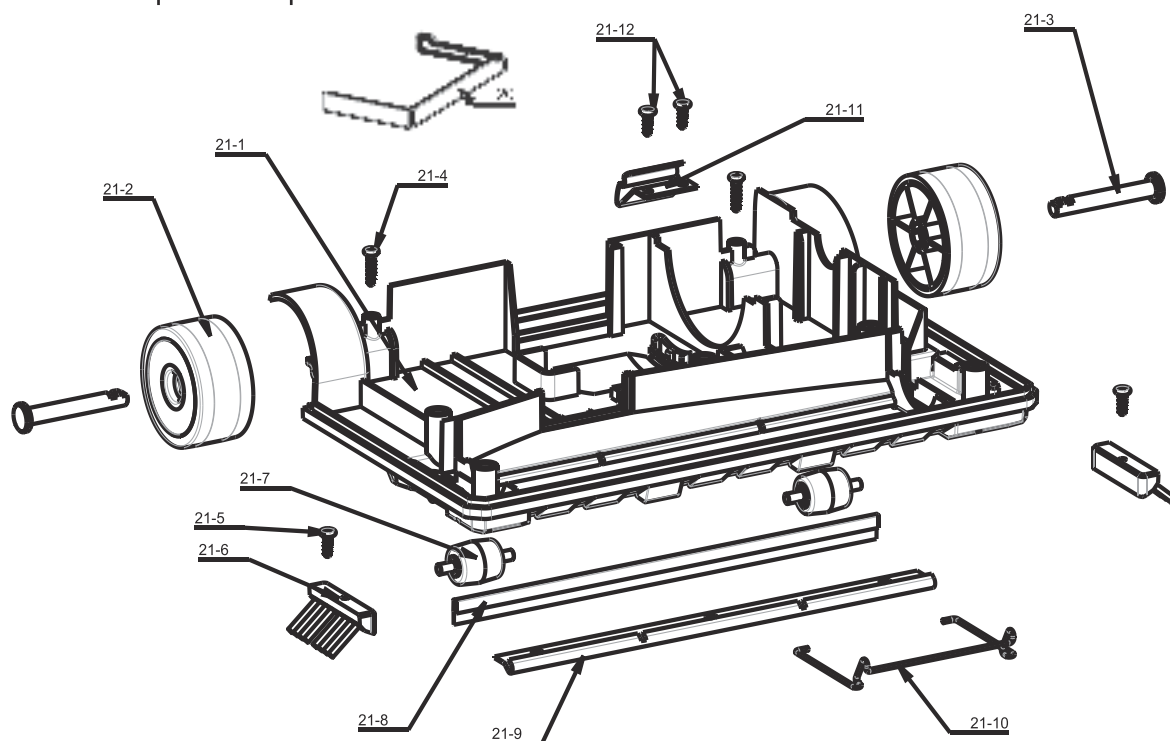
No.	Description
1	Handle tube comp.
1-1	Top Handle Grip-R
1-2	Upper cord hook
1-3	Power cord
1-4	ON/OFF switch
1-5	Upper tube
1-6	Handle screws

Motor assy



No.	Description	No.	Description
15	Motor assy	15-4	Washer
15-1	Motor nut	15-5	Motor cover
15-2	External tooth washer	15-6	Motor gasket
15-3	Fan	15-7	Motor

Base plate comp



No.	Description	No.	Description
20	Furniture guard	21-6	Side brush
21	Base plate comp.	21-7	Front roller w/shaft
21-1	Base plate	21-8	Rubber blade
21-2	Rear wheel w/oil bearing	21-9	Bottom metal plate
21-3	Rear wheel shaft	21-10	Support frame
21-4	Rear wheel shaft locking screw	21-11	Shrapnel
21-5	Side brush screw	21-12	Shrapnel screw