

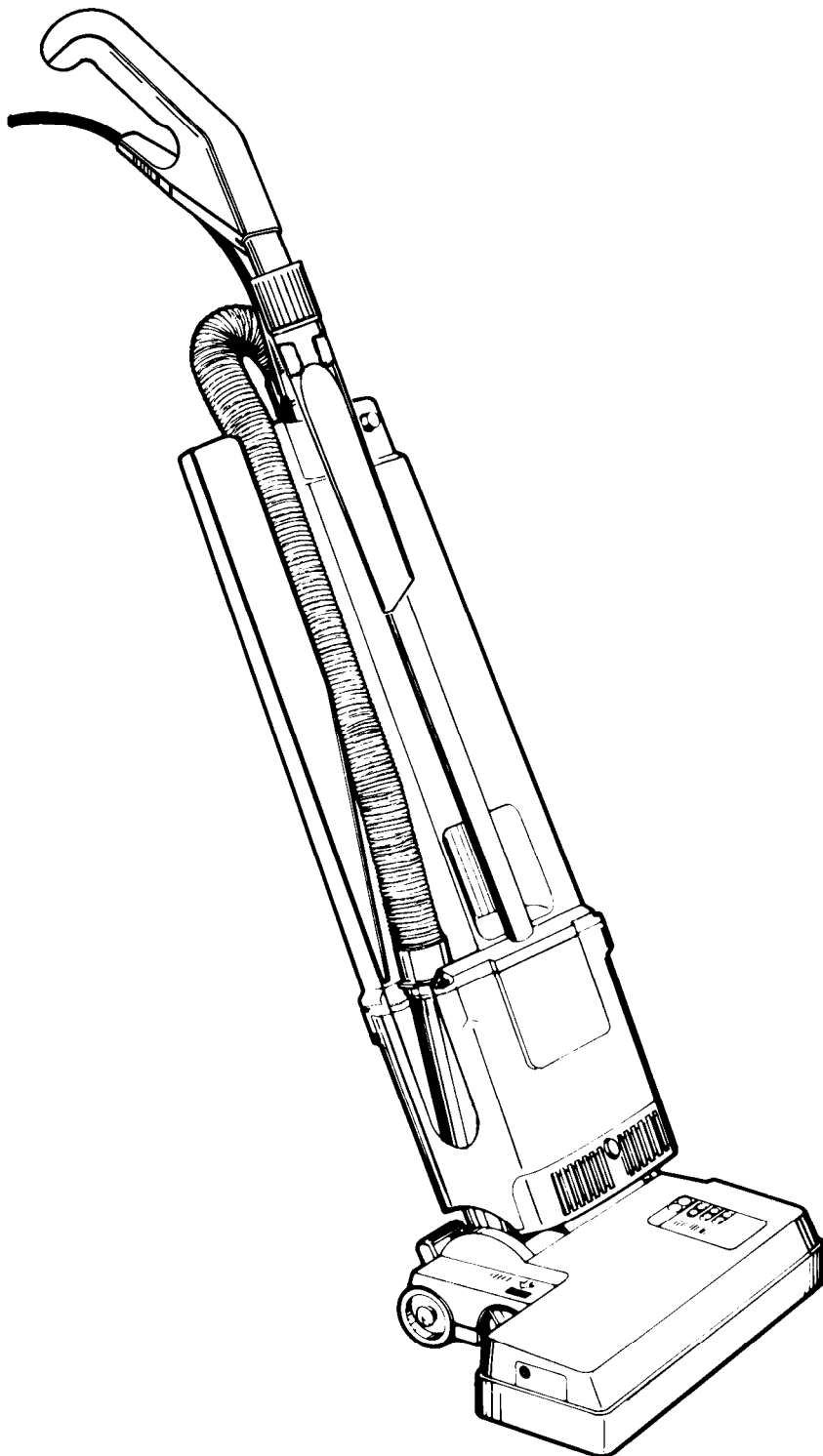
WINDSOR

**VERSAMATIC**

electronic control **EC**

**WINDSOR®**

## VSE I-3



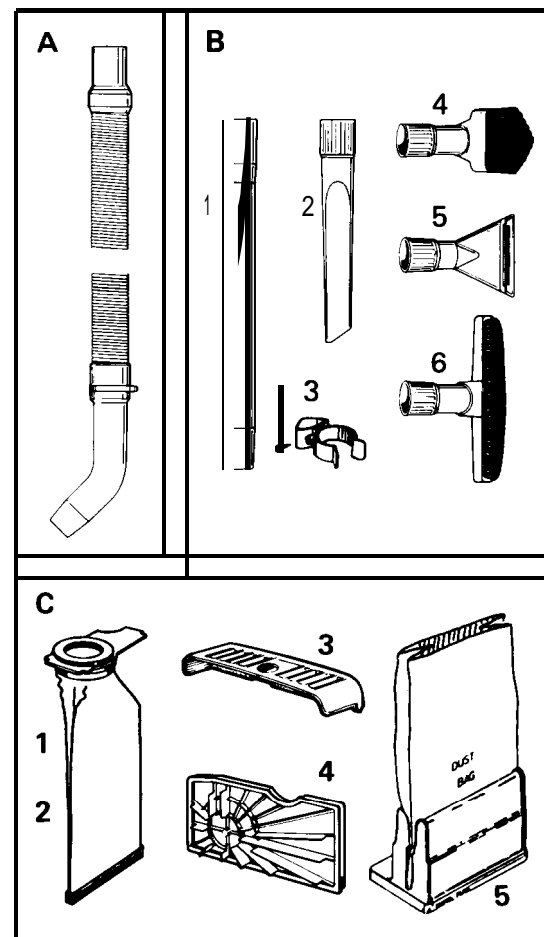
**A) Vacuum Extention Hose 1087**  
Optional

**B) VSM-Tool Kit - Optional**

1	Straight Tube	1084
2	Crevice Nozzle	1092
3	Clip	1081
4	Dusting Brush	1094
5	Upholstery Nozzle	1090
6	Wall- and Upholstery Brush	1325

**C) Bags and Filters**

1	Paper Bag (Pkg of 10)	2003
2	Cloth Bag (only use with Micro-Filter)	1079
3	Exhaust Filter	1534
4	Vac Motor Filter	1044
5	Micro-Hospital-Filter	1435



# IMPORTANT SAFETY INSTRUCTIONS

**When using an electrical appliance, basic precautions must always be followed, including the following**

**READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE**

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

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
2. Do not use outdoors or on wet surfaces.
3. Do not use near small children. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. 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, return it to a service center.
6. 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.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts. Do not place fingers or other body parts under vacuum unless unplugged.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes
12. Do not use without dust bag and/or filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
16. Machines can cause a fire when operated near flammable vapors or materials. Do not operate this machine near flammable fluids, dust or vapors.
17. Maintenance and repairs must be done by qualified personnel.
18. Connect to a properly grounded outlet only. See Grounding Instructions.
19. Do not use machine as a step.
20. If used on plush carpet or carpet with thick padding, do not leave machine in one place with machine turned on.

**SAVE THESE INSTRUCTIONS**

# GROUNDING INSTRUCTIONS

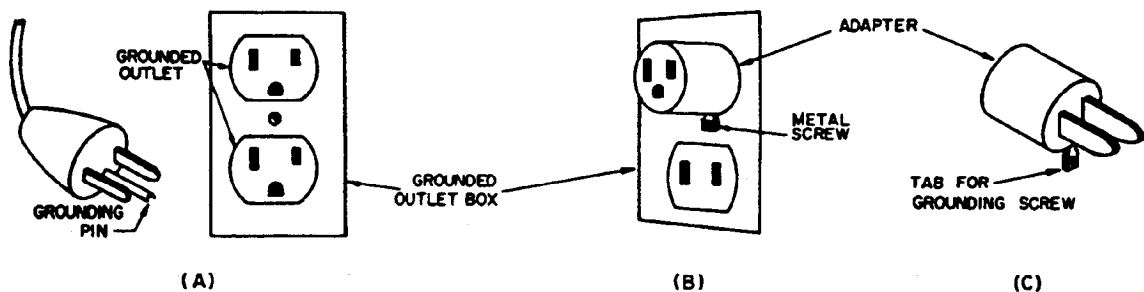
This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate 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 electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in sketch A. A temporary adaptor that looks like the adaptor illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.

Note: In Canada, the use of a temporary adaptor is not permitted by the Canadian Electrical Code.



# Important Safeguards

Accidents due to misuse can only be prevented by those using the machine. To guard against injury, basic safety precautions should be observed, including the following:

Read and follow all safety instructions.

**WARNING: ELECTRIC SHOCK COULD OCCUR IF USED OUTDOORS OR ON WET SURFACES**

This vacuum cleaner is designed to be safe when used to perform cleaning functions. Should damage occur to electrical or mechanical parts, cleaner should be repaired by WINDSOR or competent service station before using in order to avoid further damage to machine or physical injury to user.

A damaged power cord could cause electrical shock and/or fire. To minimize this possibility observe the following precautions:

Do not run cleaner over power cord.

Avoid closing doors on power cord, pulling it around sharp edges, or placing sharp-edged objects upon it.

Wind cord no tighter than is necessary to retain it on the cord hooks.

When disconnecting power cord from electrical outlet, grasp the plug. Pulling it out by the cord itself can damage cord insulation and internal connections to plug.

Your vacuum cleaner creates suction and contains a revolving brush. To avoid bodily injury from suction or moving parts, vacuum cleaner brush should not be placed against, or in close proximity of loose clothing, jewelry, hair or body surfaces while cleaner is connected to electrical outlet. Cleaner should not be used to vacuum clothing while it is being worn. Keep children away from machine when in operation or plugged in.

If used on plush carpet or carpet with thick padding, turn off unit when handle is in upright position. When using accessory tools, keep floor brush off carpet by keeping handle in locked position and lowering handle with one hand to raise brush off floor. Operate accessories with other hand.

Always plug your cleaner into a standard wall outlet. Use of extension cord or light socket with inadequate **current**-carrying capacity could result in electric shock or fire hazard.

Disconnect cleaner from electrical outlet before servicing, such as changing bags or belts. You could receive bodily injury from moving parts of machine should switch accidentally be turned on. Disconnect cleaner from electrical outlet before detaching powerhead.

Do not use your vacuum cleaner in areas where flammable and/or explosive vapor or dust is present to avoid possibility of fire or explosion. Some cleaning fluids can produce such vapors. Areas on which cleaning fluids have been used should be completely dry and thoroughly aired before being vacuumed.

To avoid fire hazard, do not pick up matches, fireplace ashes, or smoking material with cleaner.

Keep your work area well lighted to avoid picking up harmful materials (such as liquids, sharp objects, or burning substances) and avoid tripping accidents.

Use care when operating the cleaner on irregular surfaces such as stairs. A falling cleaner could cause bodily injury and/or mechanical damage. Proper storage of machine in an out-of-the-way area immediately after use will also prevent accidents caused by tripping over cleaner.

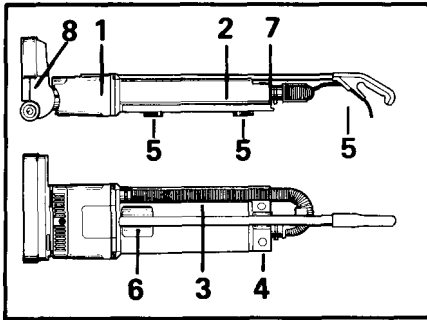
Store you vacuum indoors in a cool, dry area not exposed to the weather to avoid electrical shock and/or cleaner damage.

Exercise strict supervision to prevent injury when using vacuum cleaner near children or when child is allowed to operate vacuum cleaner. Do not allow children to play with vacuum cleaner and never leave cleaner plugged in and unattended.

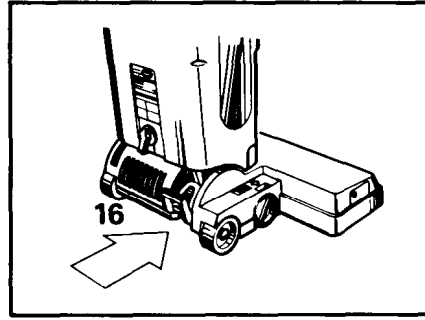
**SAVE THESE INSTRUCTIONS**

# Preparation

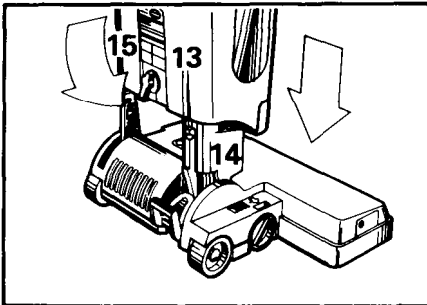
**Never run over the cable with the power head.  
Always carry the machine over steps and sills.**



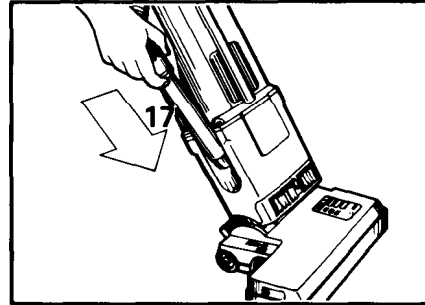
- (1) Vacuum motor housing
- (2) Dustbag housing
- (3) Suction hose
- (4) On -off switch
- (5) Cable cleats
- (6) Carrying recess
- (7) Back cover
- (8) Power head



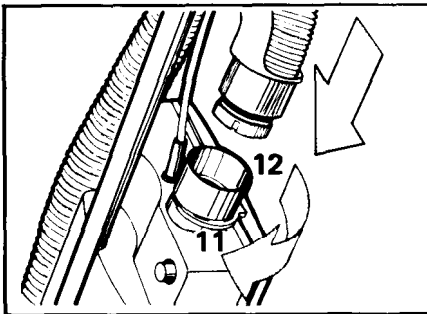
To release the machine from the upright position press down the foot pedal. (16)



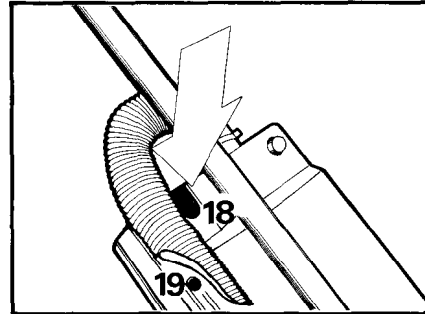
Hold the vacuum section in the vertical position and insert into the power head. Locate the line (13) on the motor housing (1) accurately opposite the rib on the swivel neck (14). The locking catch must be turned to the left during the locating. Secure the vacuum section in place by turning the locking catch to the vertical position.



Power head motor stops automatically when hand nozzle (17) is withdrawn and restarts automatically when reinserted. If power head does not start check that hand nozzle is fully inserted.



Open white retaining ring (11) on connecting tube (12) by pushing ring to one side with thumb. Insert hose ensuring that it is pushed fully in. Return white retaining ring to closed position.

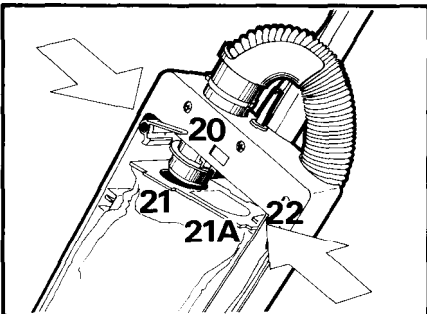


If warning light (18) comes on check :  
1) Is the dust bag full?  
2) Is there a blockage in the hose or power head?  
(19) Please ensure that the hose is secure in its recess to prevent static charge build-up.

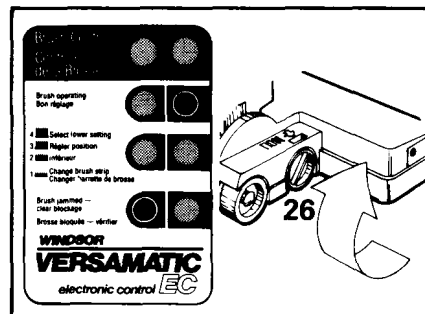
# Maintenance

**CAUTION - Always unplug machine at mains outlet before dismantling any part of the machine.**

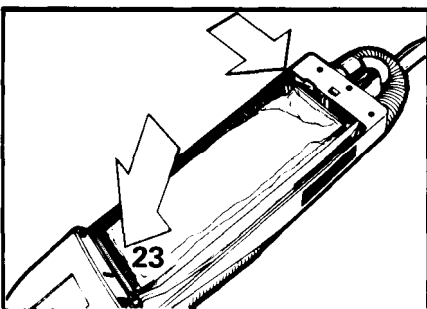
**For guarantee use only genuine Windsor-Parts (e.g. Filter Bags, Filters, Brush strip, etc.)**



To change dust bag: Remove back cover (7). Push down lever (20). Lower dust bag from connecting tube. Close aperture of dust bag top with cardboard cover (21 A). To fit new dust bag: Insert top of dust bag (21) into slot (22). Push lever (20) down and fit aperture of dust bag top over connecting tube. Return lever so that it is in horizontal position.

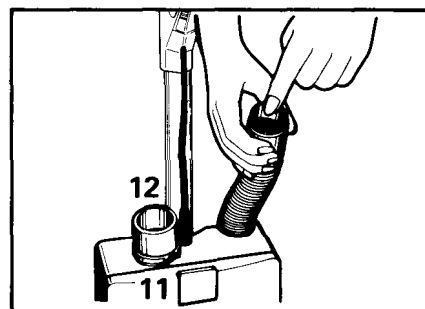


The electronic brush controller monitors the operation of the brush.  
"Green light"  
Brush correctly set and running.  
"Green light and red light"  
Adjust the brush setting by turning the Pile adjustment button (26) to a lower number. If the lights still show at position number one the brush strip is worn out and must be changed.  
"Red light"  
The brush has become blocked and is not turning. Switch off, unplug from the mains and clear the blockage.

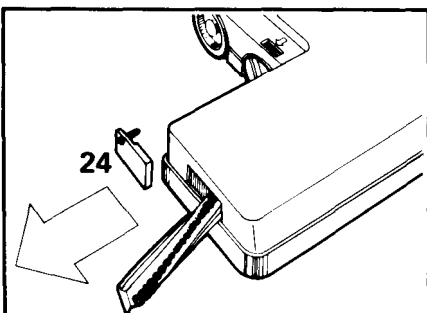


(23) Vacuum motor filter - Replace after 20 paper bags have been used.

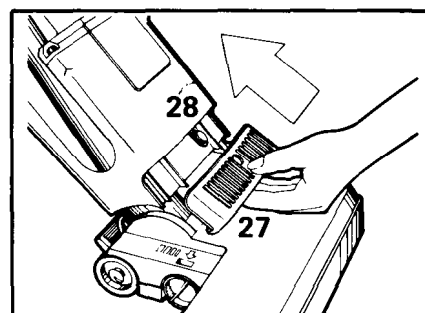
If the back cover does not close properly check:  
1) Is the dust bag fitted correctly?  
2) Is the vacuum motor filter (23) fitted correctly?



If the bag-full warning light shows before the dust bag is full check for blockages. The hose can be checked by pushing the white retaining ring (11) to one side and pulling out the hose from the connecting tube (12). When re-inserting the hose ensure that it is pushed fully in before pushing the white retaining ring back into place.



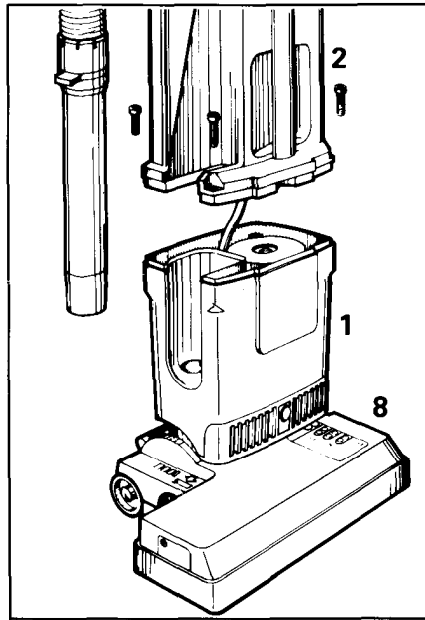
To replace brush strip: Remove brush strip cover (24). Turn brush roller so that the brush strip can then be pulled out. Ensure that the new brush strip is fully inserted.



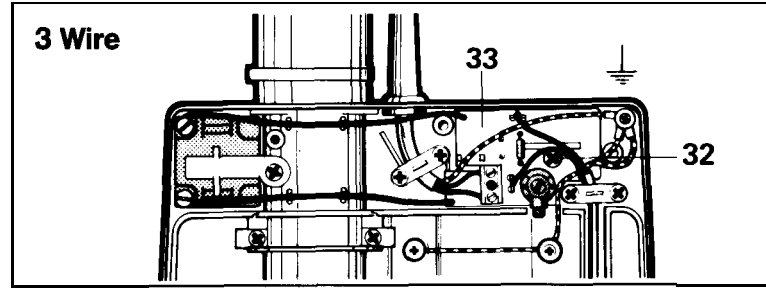
When the exhaust filter has become discoloured it should be replaced. Press the button (28) and pull the filter forwards. To insert a new filter, locate the filter into the motor housing and push up until the button (28) engages into place.

# Service Instructions

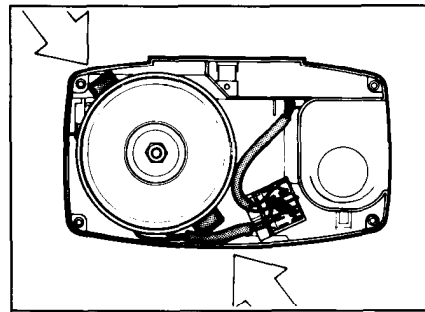
**CAUTION – The work detailed below should only be carried out by persons qualified to repair electrical appliances.**



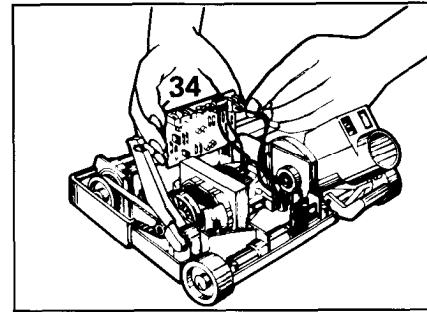
To remove the dust bag housing (2) from the vacuum motor housing (1) take off the back cover and remove the four large screws. Keeping the power head attached, the dust bag housing can be eased off.



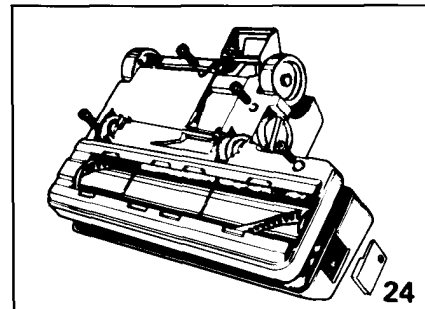
The switch housing cover is removed by taking out the three screws then lifting off. Circuit Board (33) can be removed by loosening screw (32).



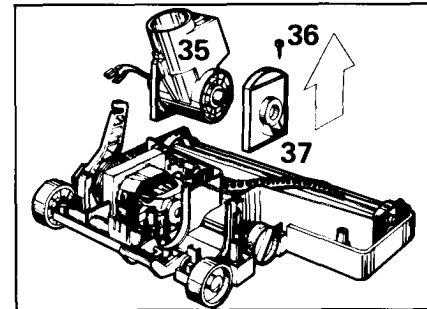
To remove the vacuum motor, first detach the two black wires from the terminal block. When replacing ensure that the motor support is fully located onto the motor cover. The motor cover should then be firmly located onto the vacuum motor and the motor, with its cover and support, firmly seated into position as shown in the vacuum motor housing. When properly seated the motor cannot be turned. Replace motor seal.



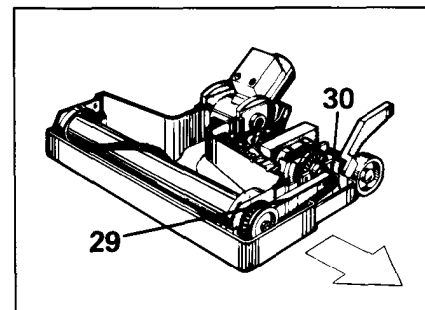
Changing the Electronic Controller (34): Disconnect the lead from the motor. Lift the controller upwards from the motor. Lift the controller upwards from its location and then disconnect the lead from the swivel neck.



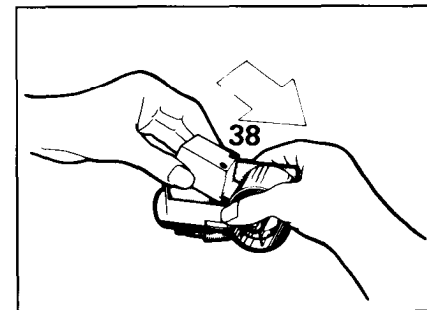
To remove the power head cover, take off the brush strip access cover (24) and remove the four large screws from underneath the chassis. The cover can then be lifted off.



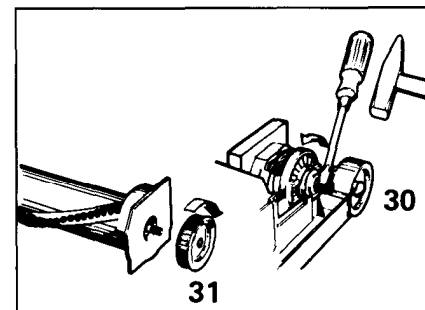
To remove the swivel neck (35) take out the two small screws (36) from the swivel neck supports (37) then lift the swivel neck assembly from the chassis. On re-assembly check that the leads from the swivel neck do not become trapped when the power head cover is replaced.



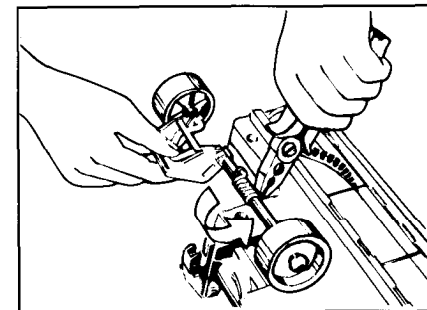
Changing the brush roller: Push the belt (29) off the motor pulley (30) and remove the four screws which hold in the brush bearing blocks. Lift out the bearing blocks evenly. When replacing the roller with the bearing blocks, push downwards keeping the roller parallel with the chassis.



To remove the swivel neck cover, take out the retaining screw and slide the cover (36) downwards then lift out. On re-assembly check that the leads do not become trapped.

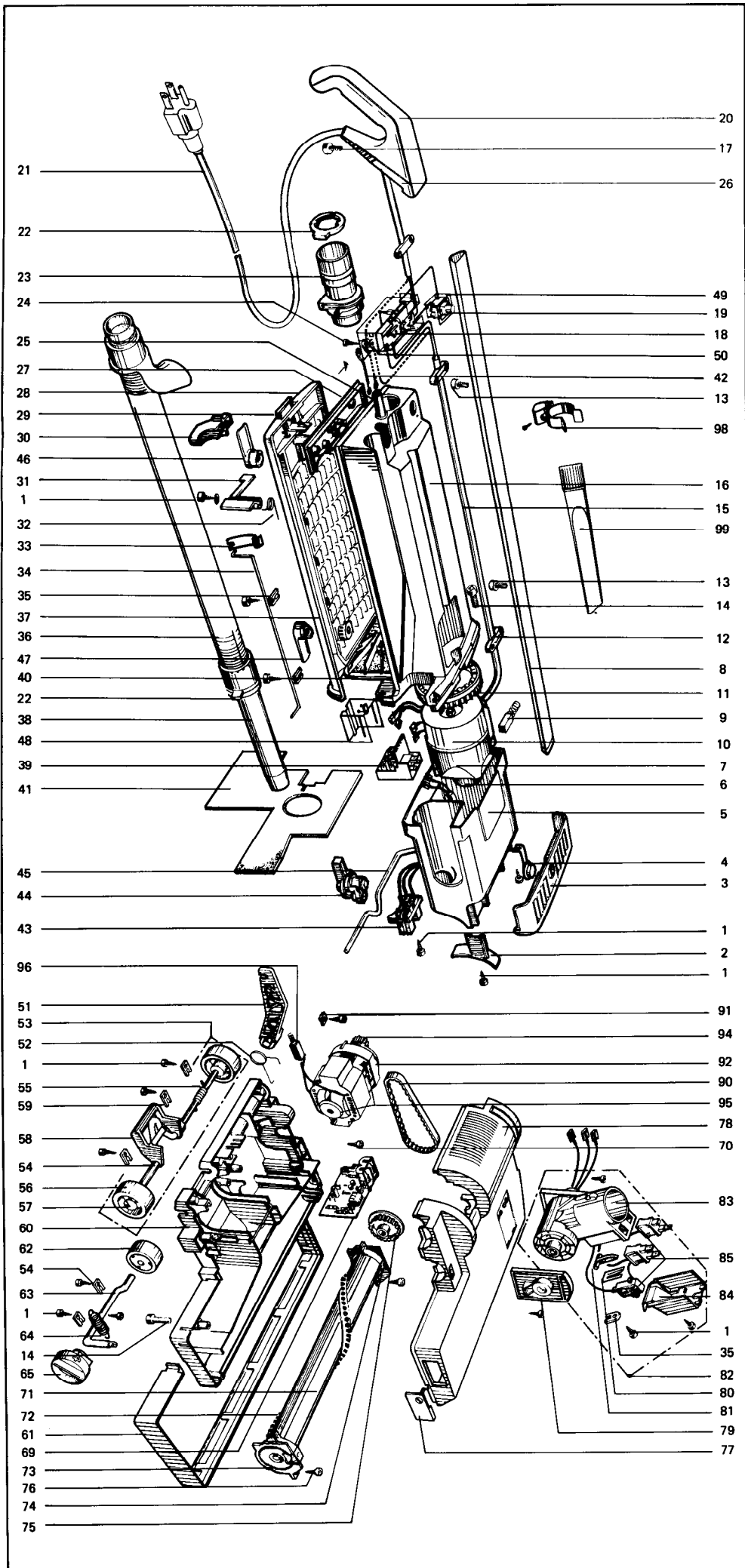


To remove the brush roller pulley (31) hold the roller in one hand and turn the pulley in a clockwise direction. To remove the motor pulley (30) insert a screwdriver into a groove and give a light tap in an anti-clockwise direction. The loosened pulley can then be removed.



To remove the axle assembly unscrew the three screws and take off the axle clamps. Before replacing, lightly grease the axle. To replace, hook one end of the spring on the axle then grip the other end with a pair of pliers and turn about a quarter of a turn. Keeping the wheels at the ends of the axle press the axle assembly back into place.

# Parts List



Item No.	Part No.	Description
1	0102	Screw 3,9 x 13 DIN 7981
2	1521	Housing cover
3	1534	Exhaust filter
4	1535ER	Filter retaining button
5	1515WI	Motor housing
6	1411	Support for motor
7	1442UL	Motor cover
8	1542	Handle
9	0511	Carbon brush
10	1419UL	Vacuum motor
11	1047	Vacuum motor seal
12	1030UL	Cable clamp
13	0127	Screw M 4 x 10 Taptite
14	0111	Screw M 5 x 30 DIN 7985
15	1283UL	Internal cable
16	1514bl	Dust bag housing
17	0170	Screw 4,2 x 13 DIN 7981
18	1477UL	Printed circuit board
19	0517	Switch
20	1593 ws	Handle grip, cpl. (incl. Pos 26 + 17)
21	23011	Cable 3-wire
22	1034	Retaining ring
23	1038bl	Connecting tube
24	0101	Screw 3,9 x 9,5 DIN 7981
25	1420	Grommet
26	1596 ws	Handle grip cover with grommet
27	1026UL	Switch housing cover
28	1139bl	Back cover
29	1057BL	Latch with spring + pins
30	1069UL	Switch holder
31	1040	Dust bag lever
32	1041	Return spring
33	1027	Leaf spring
34	1025	Connecting rod
35	1073	Clamp
36	1516	Hose
37	1059	Back cover seal
38	1517	Hand nozzle
39	1265UL	Terminal block
40	1044	Vacuum motor filter
41	1543	Sound insulation
42	0818	Wire-antistatic
43	1545UL	Female contact holder/3-wire
44	0819	Locking catch
45	1530	Locking rod
46	1461bl	Cable hook
47	1462BL	Cable hook, turnable
48	1524	Terminal block cover
49	1280	Switch cover
50	1281	PC Board cover
51	2531	Support lever
52	2545	Return spring
53	2539	Axle assembly
54	2525	Axle
55	2010	Axle spring
56	2012ER	Wheel
57	0308	End clip
58	2528	Foot pedal
59	2014	Clamp
60	2543BL	Chassis
61	2522ws	Bumper
62	4072	Pile adjustment wheel
63	2524	Pile adjustment axle
64	4019	Spring
65	4013	Pile adjustment button
69	2572 ER	Electronic control P. C. Board
70	0105	Screw 3,9 x 19 DIN 7981
71	2030ER	Brush assembly
72	2046	Brush strip
73	2047	Bearing block R. H.
74	2091	Bearing block L. H.
75	2458	Brush roller pulley
76	0103	Screw 3,9 x 16 DIN 7981
77	2542	Brush strip cover w. screw
78	2544 WI	Cover
79	2538	Swivel support
80	2546	Leaf spring
81	2534	Switch lever
82	2510UL	Swivel neck assembly/3-wire
83	2529UL	Swivel neck
84	2530UL	Swivel neck cover
85	2541 UL	Wire on swivel neck/3-w. cpl.
90	4024	Drive belt
91	0141	Locking washer
92	2241 UE	Brush motor 150 W
94	2025	Motor pulley
95	0227	Motor ball bearing
96	0512	Carbon brush
98	1081	Clip
99	1092	Crevice nozzle

# LIMITED WARRANTY

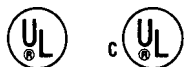
WINDSOR warrants to the original purchaser/user that this product is unconditionally guaranteed free from defects in workmanship and materials under normal use and service for a period of one year. WINDSOR will, at its option, repair or replace without charge, except for transportations costs, parts that fail under normal use and service when operated and maintained in accordance with the Instructions Manual. This warranty does not apply to normal wear or to items whose life is dependent on their use and care.

This warranty is in lieu of all other warranties, expressed or implied, and releases WINDSOR from all other obligations and liabilities. It is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. WINDSOR is not responsible for costs for repairs performed by persons other than those specifically authorized by WINDSOR. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of noncompatible chemicals, or damage or losses of income due to malfunctioning of the product.

If a difficulty develops with this product, you should contact the dealer from whom it was purchased.

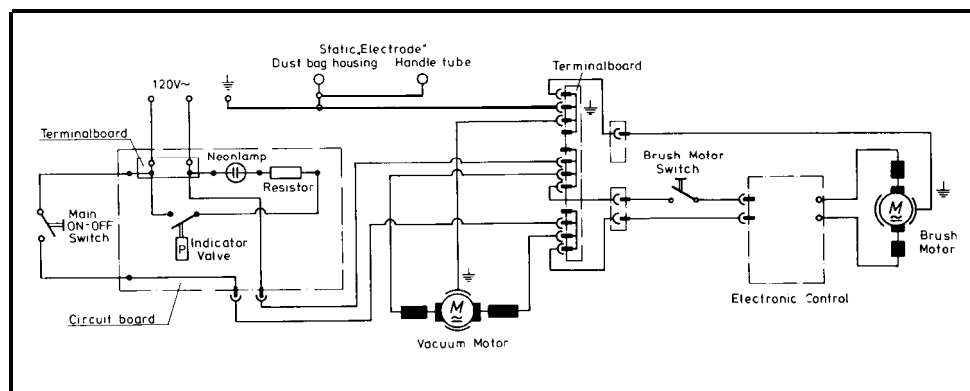
## Technical Details

Voltage . . . . .	120 volt, 60 hz
Vacuum motor . . . . .	6.4 amp.
Water lift . . . . .	69 inches
Air flow . . . . .	91 cfm
Brush motor . . . . .	1.4 amp.
Dust bag capacity . . . . .	1.3 gal.
Brush width . . . . .	12 <sup>3</sup> / <sub>4</sub> inches
Brush strip . . . . .	replaceable
Brush drive . . . . .	non slip drive belt with electronic overload protection
Height . . . . .	48 inches
Width . . . . .	14 inches
Weight . . . . .	16 lbs



0622 UL-02/95

## Wiring Diagram



**WARNING!** Electric shock could occur if used outdoors or on wet surfaces!



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