



Electronic Service Manuals

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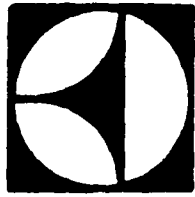
You may contact Michco through the following methods:
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Web site: www.Michco.Com
Parts Web site: www.FloorMachineParts.Com

Order Parts on Line at:
www.FloorMachineParts.Com

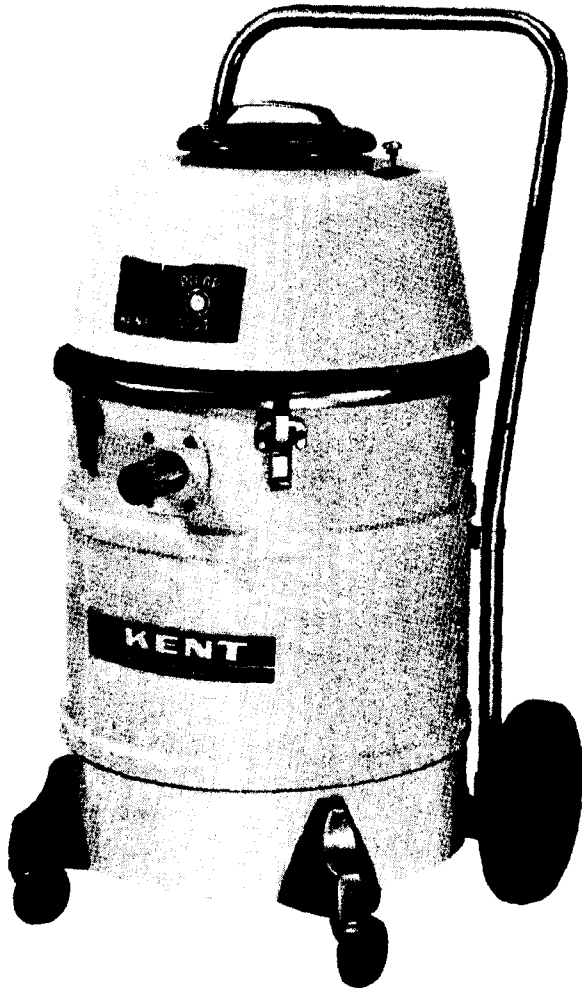
Directly to Parts & Service:
By Email: **Shop@Michco.com**
By Fax: (517) 702-2041
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Serving the Cleaning Industry Since 1922

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KENT



Model KT-900P Wet Vacuum

OPERATING & MAINTENANCE INSTRUCTIONS

ILLUSTRATED PARTS LIST

APRIL 1984

Write the model and serial number of your vacuum in the space provided. Refer to the rating plate on cleaner.

Model #

Serial #

Retain this owner's guide for future reference.

THE KENT COMPANY

P.O. Box 1665

2310 Industrial Parkway

Elkhart, IN 46514

TEL: (219)293-8661, (800)334-1083

FAX: (219)295-8610

TELEX: 25-8331 KENT CO EKR

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 — To avoid electrical shock, use indoors only.

- This vacuum cleaner is designed for water pick-up only as specified in the Owner's Guide. Should damage occur to electrical or mechanical parts, cleaner and/or accessory should be repaired by manufacturer or competent service station before using in order to avoid further damage to machine or physical injury to user.
- Connect only to a grounded (3-wire) electrical outlet. (See "Grounding Instructions.")
- 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.
 - 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. Also, avoid damage to insulation by keeping cord away from oil and heat.
- Your vacuum cleaner creates suction. To avoid bodily injury from suction, vacuum cleaner brush, hose, wands, and attachments should not be placed against, or in close proximity to, 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.
- Whenever possible 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.
- To avoid an electrical shock hazard always plug your cleaner into a 3-prong grounding-type receptacle if your cleaner is provided with grounded electrical system (3-prong grounding-type plug).
- 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.
- When using your cleaner to vacuum another electrical appliance, such as removing lint from a clothes dryer, be sure to disconnect appliance being vacuumed from the electrical outlet in order to minimize chances of electrical shock.
- 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.

Important Safeguards (cont'd.)

- Attachments such as demoters and paint sprayers can cause toxic, flammable, explosive, or suffocating vapors in indoor areas. Use only attachments recommended by manufacturer of your vacuum cleaner.
- 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 flammable liquids, sharp objects, or burning substances) and/or 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 your vacuum cleaner 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

GENERAL INFORMATION

BEFORE YOU PLUG IN YOUR CLEANER, check the voltage rating plate located on the cleaner near the power switch to check if it agrees within 10% of the voltage available (See "Rating Plate"). Connect only to a grounded (3-wire) electrical outlet.

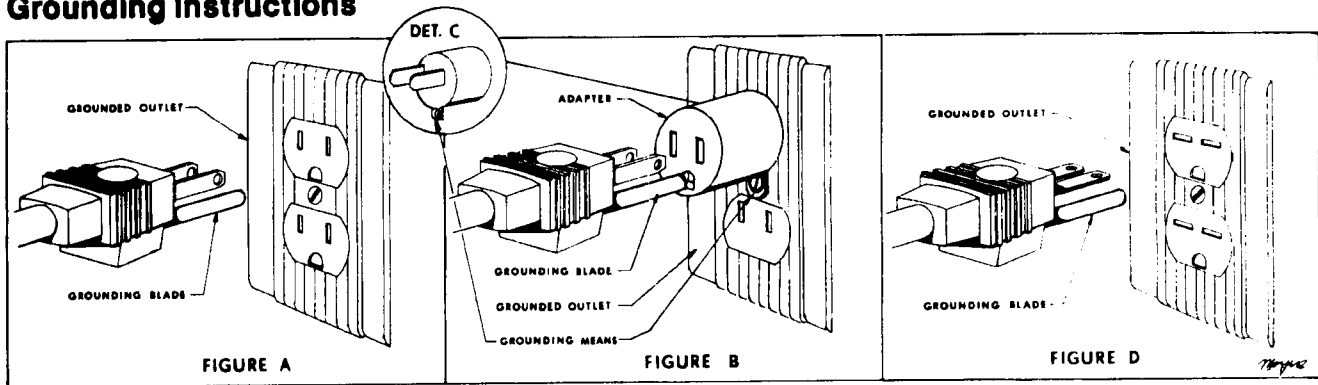
DO NOT OIL. The motor in your vacuum is permanently lubricated and sealed. Do not oil the motor at any time.

Safety Recommendations

For long service life and safe use of your vacuum cleaner, we recommend the following guidelines:

Avoid picking up hard or sharp objects with your cleaner to avoid bag breakage, hose clogging, or possible motor damage.

Grounding Instructions



This floor finishing machine should be grounded while in use to protect the operator from electric shock. The machine is equipped with a 3 conductor cord and a 2 prong grounding type attachment plug cap to fit the proper grounding type receptacle. The green (or green & yellow) conductor in the cord is the grounding wire. Never connect this wire to other than the grounding blade.

FLOOR FINISHING MACHINES RATED LESS THAN 150 VOLTS— If the floor finishing machine is provided with an attachment plug cap as shown in Figure A, it is intended for use on a 120 Volt (nominal) circuit. If a properly grounded receptacle as shown in Figure A is not available, an adapter as shown in Det. C is available and should be installed as shown in Figure B if the outlet box that houses the receptacle is grounded. Be sure to fasten the grounding tab with the faceplate screw.

FLOOR FINISHING MACHINES RATED 150 - 250 VOLTS — If the machine is provided with an attachment plug cap as shown in Figure D, it is intended for use on a 240 Volt (nominal) circuit. No adapter is available for this cap.

SERVICE INFORMATION

To obtain consistent performance over the life of your vacuum, read through these instructions and keep them handy for future reference. If you require service, contact the dealer from whom the vacuum was purchased, or the local authorized Kent Service Agency. Always refer to your Kent Limited Warranty for complete service information.

RATING PLATE

THE KENT CO.		
<small>ELKHART, INDIANA, U.S.A.</small>		
SERIAL NO.	MODEL	
VOLTS	PHASE	H _z
MOTOR 1	A.M.P.	H.P.
MOTOR 2	A.M.P.	H.P.

The model, type, and serial number are indicated on the rating plate. For prompt and complete service information, always refer to these numbers when inquiring about service.

HOW TO USE YOUR VACUUM CLEANER

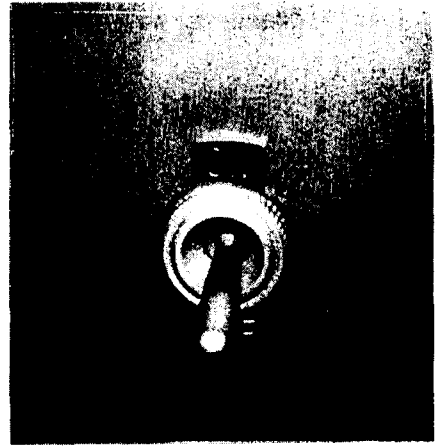
To Connect Hose to Cleaner

Grasp hose firmly and push on the inlet tube.



On/Off Switch

The ON/OFF switch is conveniently located on the back of the cleaner cover. Move lever to "ON" or "OFF" position as labeled on the switch.



Wet Shut-Off System

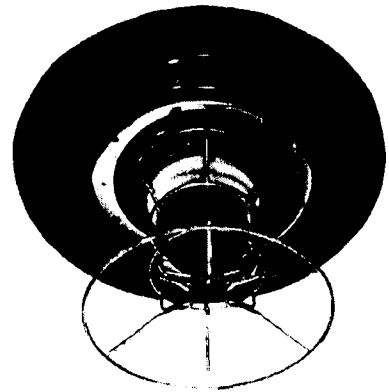
Your cleaner is equipped with a permanently installed wet shut-off system that operates automatically when the tank becomes full of liquid, foam, or suds.

The system consists of a metal frame and a float ball. When the level of fluid or suds rises in the tank, the ball moves upward until it reaches the seal ring and shuts off all suction. You will know when the wet shut-off is engaged because you will be unable to pick up anything with the cleaner, and the sound of the motor will change.

When the wet shut-off becomes engaged, you must immediately turn off the machine, disconnect the power cord from the electrical outlet, and empty the tank (See "Filter Bag and Recovery Tank Maintenance"). The cleaner will not operate until the tank has been emptied.

After the tank has been emptied, the wet shut-off will automatically disengage, and the cleaner will be ready for normal use.

NOTE — The wet shut-off assembly is permanently installed and should never be removed.



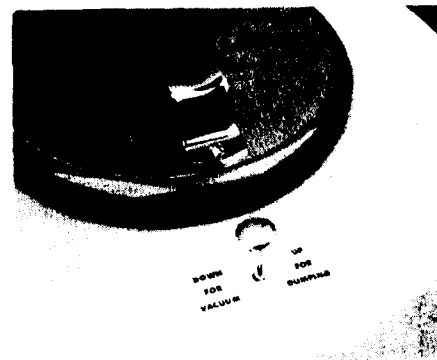
Pump-Out System

Your cleaner is equipped with a pump-out system which will pump dirty water/solution from the tank when engaged. The pump-out and vacuum modes are controlled by a knob located on top of the motor cover. When the knob is in the down position the cleaner will operate in the vacuum mode. When the knob is in the up position the cleaner will operate in the pump-out mode.

The operator may find it desirable to use less than the maximum pressure available when using the pump-out feature. A lower rate of flow may be obtained by partially raising the knob and stopping at any point before reaching the upper limit.

NOTE — For best results when dumping, remove extension wand before using pump-out.

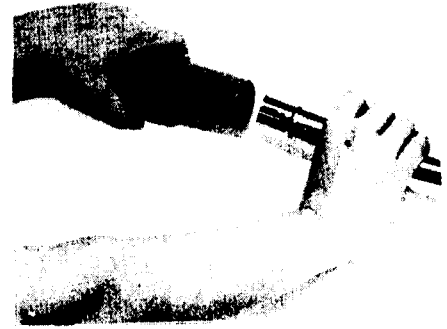
(CAUTION: When operating at maximum pump-out pressure the hose will flop about unless firmly held.)



How To Use Your Vacuum Cleaner . . . continued

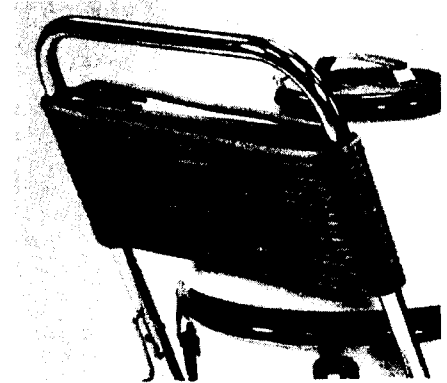
To Connect Extension Wand to Hose

After connecting the two piece wand (See "How to Use Your Cleaning Tools"), push the plain end of the wand into the plastic hose cuff until it stops. (To remove wand, simply pull it out of the hose cuff.)



Cord Storage

When not in use, loosely wind power cord around upper handle section.

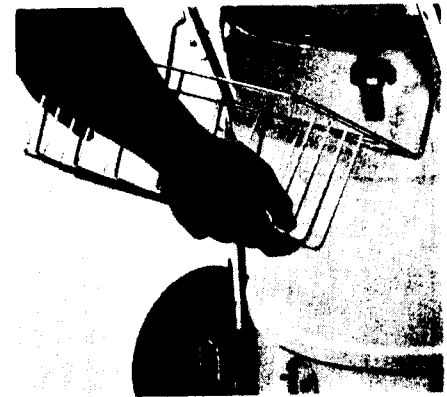


Tool and Wand Storage

Tool Basket

Your cleaner comes equipped with a metal tool basket which will hold the master tool and the tool adapter when not in use.

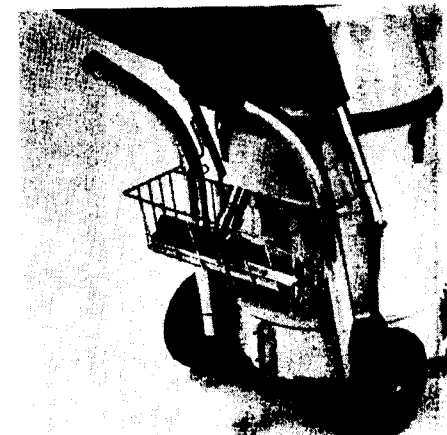
To attach, hold basket with bottom toward you and insert metal prongs into the holes in upper handle section. Then lower basket to upright position, and it will lock firmly into place.



Wand Storage

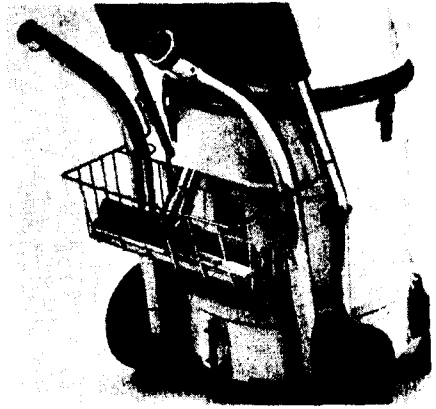
When not in use, the extension wands can also be stored on the cleaner.

Slide each wand section with the curve pointing away from the cleaner through the metal loop on each side of the tool basket (A), and then insert the end of the wand over the bracket on the wheel carriage (B).



How To Use Your Vacuum Cleaner . . . continued

Your master tool, tool adapters, and wand sections can be conveniently stored in this manner when not in use or when cleaner is being moved from room to room.



HOW TO USE YOUR CLEANING TOOL

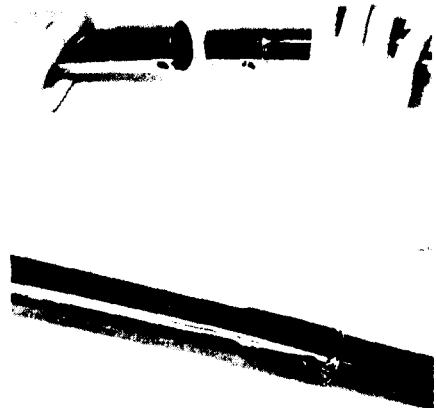
Extension Wand

A two piece extension wand is provided for use with the cleaning tools.

Join the two steel wand sections by inserting the straight button lock end of one section into the straight end of the second section.

Make sure the button lock snaps into the hole locking the sections together to form the "S" shaped wand.

(To disconnect wands, push down on button lock and pull wands apart.)

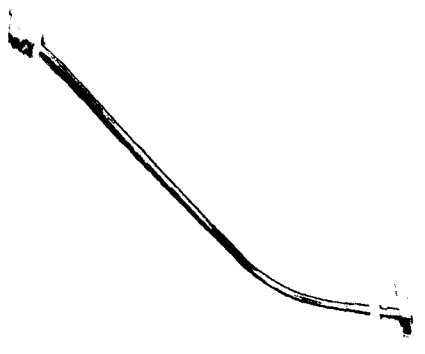
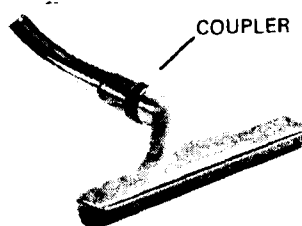


Master Tool

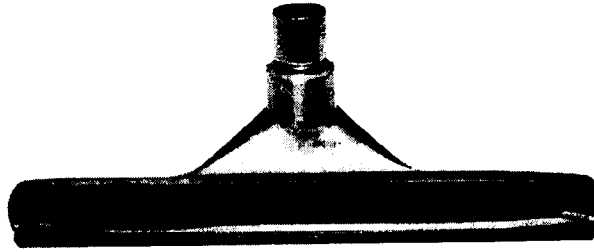
The master tool must be attached to the end of the wand in order to use the other tool adapters.

To attach the squeegee tool, hold the wand so the end with the large metal coupler is pointing away from you. Loosen the coupler by turning it clockwise, but do NOT remove the coupler from the end of the wand. Insert the neck of the squeegee tool in the coupler and push it as far as possible into the wand. With the tool in place, tighten the coupler by turning it counter clockwise until it stops.

NOTE - It may be necessary to rotate the squeegee tool on the wand to a comfortable working position, as shown.



Squeegee Tool



Tool Care

To prolong the life of your tools, it is recommended that they be wiped dry with a clean cloth after each use.

FILTER BAG AND RECOVERY TANK MAINTENANCE

To Clean Wet Filter Assembly

NOTE—Disconnect power cord from electrical outlet.

The wet shut-off system located underneath the cleaner lid is covered by a permanently installed synthetic mesh filter bag which is designed to prevent suds from reaching the motor housing.

The wet filter assembly is permanently attached and should not be removed. The filter bag should be gently brushed or wiped clean. Always avoid getting moisture into the motor area either inside or outside the cleaner lid.

After cleaning and thoroughly drying the filter systems and the recovery tank, replace cover on top of cleaner with exhaust outlet positioned above hose opening and fasten clamps on each side of cleaner. Make sure that no part of the filter bag is caught between the cleaner tank and lid.

To obtain a replacement wet filter assembly, ask for Separator Assembly E13100.



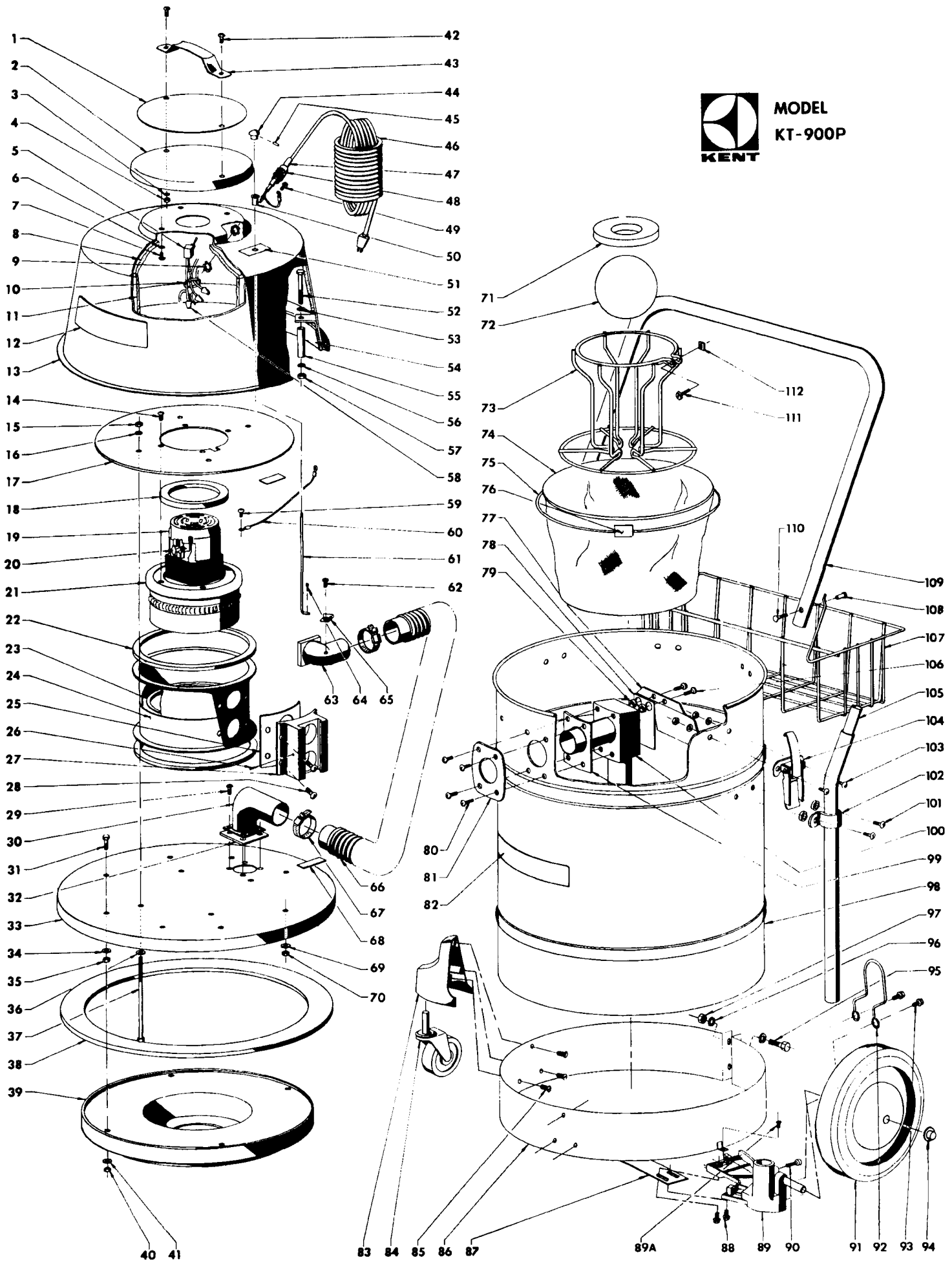
SEPARATOR ASSEMBLY- E13100

To Clean Recovery Tank

Remove all dirt from the recovery tank after each use. The tank may be washed with warm water and a mild soap or wiped clean with a damp cloth. Be sure to thoroughly dry recovery tank after cleaning to prevent corrosion or motor damage. Cleaner should be stored in a clean, dry place when not in use.



MODEL
KT-900P



REF. NO.	PART NO.	DESCRIPTION	NO. REQ.	REF. NO.	PART NO.	DESCRIPTION	NO. REQ.
	10400	Kent Model KT-900P Pump-Out Vacuum					
1	50404	Label - Cover	1	52	02282	Screw 1/4-20 x 2-1/2 Hex Head	4
2	33121	Cover Assembly - Air Inlet	1	53	04254	Lockwasher 1/4 I.D. External Tooth	4
3	04253	Lockwasher #10 I.D. External Tooth	2	54	50394	Lower Felt-Motor Cover	1
4	03279	Nut 10-24 Hex	2	55	50391	Spacer	4
5	E36413-1	Switch	1	56	04210	Washer 1/4 I.D. x 5/8 O.D. x 1/32	4
5A	04227	Lockwasher 1/2 I.D. Internal Tooth	1	57	03283	Nut 1/4-20 Hex	4
6	04253	Lockwasher #10 I.D. External Tooth	4	58	26464	Wire Nut	3
7	01283	Screw 10-24 x 3/8 Round Head	4	59	01354	Screw 10-24 x 5/16 Pan Head Taptite	1
8	50392	Top Felt-Motor Cover	1	60	11-1609	Ground Wire Assembly	1
9	06108	Nut-Strain Relief	2	61	50399	Rod-Slide Valve	1
10	47085	Wire Tie	1	62	02387	Screw 10-32 x 3/8 Round Head Stainless Steel	1
11	50393	Upper Felt-Motor Cover	1	62A	22-2223	Nut 10-32 Flex-Lock	1
12	50402	Label - Motor Cover	1	63	33117	Elbow Weldment	1
13	33112	Motor Cover Weldment	1	64	04293	Cotter Pin 1/16 x 3/8	1
14	02371	Screw 10-24 x 1/2 Pan Head Taptite	4	65	42113	Clamp	1
15	03283	Nut 1/4-20 Hex	4	66	50373	Hose-Slide Valve	1
16	02278	Lockwasher 1/4 I.D. Medium Spring	4	67	46688	Hose Clamp	2
17	50371	Upper Motor Plate	1	68	50424	Cushion-Slide Valve	2
18	49622	Gasket-Vac Motor	1	69	22-4073	Sealing Washer 1/4 I.D.	4
19	23867	Vac Motor (115 Volt)	1	70	22-2258	Nut 1/4-20 Hex Stainless Steel	4
19A	23953	Vac Motor (230 Volt)	-	71	48645	Disc-Valve Seal	1
20	E49317	Carbon Brush Mechanism (Service Only)	2	72	E49190	Ball-Float	1
21	E23788B	Mounting Ring-Motor	1	73	E13098	Valve Frame	1
22	11-1701	Gasket	2	74	E13100	Separator	1
23	50419	Grommet	1	75	50033	Bag Wire	1
24	33115	Can Enclosure-Weldment	1	76	11-1493	Foil Protector	1
25	50398	Gasket-Slide Valve	1	77	50389	Deflector-Inlet Air	1
26	50372	Spring Plunger	1	78	50388	Flapper-Valve	1
27	50376	Body-Slide Valve	1	79	50406	Spacer-Nylon	2
28	01289	Screw 10-24 x 1/2 Round Head	4	80	02367	Screw Hex Head Taptite SS	4
28A	04253	Lockwasher #10 I.D. External Tooth	4	81	50386	Plate-Inlet	1
28B	03279	Nut 10-24 Hex	4	82	50088	Nameplate - Tank	1
29	05456	Screw 10-24 x 1/2 Pan Head	4	83	E12991	Body-Castor Mounting	2
29A	04253	Lockwasher #10 I.D. External Tooth	4	84	E49042	Castor	2
29B	03279	Nut 10-24 Hex	4	85	05486	Screw Flathead Taptite	6
30	32542	Elbow Assembly	1	86	33327	Castor-Bond Assy.	1
31	05552	Screw 1/4-20 x 1 Hex Head	4	87	E36370	Support - Plate	1
32	48257	Gasket	1	88	02368	Screw-Hex Washer Hd. T.T.	4
33	50381	Support Plate	1	89A	02368	Screw-1/4 x 1/2 T.T. Pan Head Plated	2
34	22-4073	Sealing Washer 1/4 I.D.	4	89B	33173	Frame & Axle Assembly R.H. (not shown)	1
35	22-2258	Nut 1/4-20 Hex Stainless Steel	4	89	33172	Frame & Axle Assembly L.H.	1
36	22-4073	Sealing Washer 1/4 I.D.	4	90	03260	Screw-Fillister Head	2
37	05549	Screw 1/4-20 x 5-1/4 Hex Head	4	91	50103	Wheel	2
38	50396	Gasket-Support Plate	1	92	E36484	Support Wand	2
39A	33132	Wet Shut Off Assy. (Inc. Det's. 39,71 thru 76, 111, 112)	1	93	02367	Screw-Hex Hd. (EW158 S.S. 10-10)	4
39	33131	Support Cover	1	94	E48939	Push Nut	2
40	22-2258	Nut 1/4-20 Hex SS	4	95	02267	Screw 1/4-20 x 1-1/2 Hex Head	2
41	22-4073	Sealing Washer	4	96	04208	Washer - Flat	2
42	01283	Screw 10-24 x 3/8 Round Head	2	97	03363	Nut 1/4-20 Flex Lock	2
43	E24395-1	Handle	1	98	50458	Tank 16-Gal Plastic	1
44	50377	Knob-Slide Valve	1	99	50387	Gasket-Inlet	1
45	01276	Setscrew 10-24 x 1/4	1	100	50420	Inlet Assembly	1
46	25394	Power Cord	1	101	22-3046	Screw #10-32 x 3/8	4
47	48350	Guard-Strain Relief	1	101A	50406	Spacer	4
48	48356	Strain Relief	1	102	E36387	Clamp Handle	2
49	01259	Screw 8-32 x 5/16 Pan Head	1	103A	22-2259	Nut 10-32 Hex S.S.	12
49A	04458	Lockwasher #8 I.D. Internal Tooth	1	103B	E49039A	Washer Plain	12
49B	03276	Nut 8-32 Hex	1	103	01461	Screw 10-32 x 5/8 Phl. Rd. Hd.	12
50	50405	Nylon Bushing	1	104	E36398	Clamp-Toggle	6
51	50409	Label - Valve Control	1	105	E25531	Tube-Handle Support	2
				106	02367	Screw Hex Head T.T.	2
				107	E13020	Carrier - Tool	1
				108	E49028	Nut-Handle	2
				109	E25593	Tube - Handle	1
				110	E49026	Screw Handle	2
				111	02370	Screw Truss Head	1
				112	03408	Nut-Square	1
					E13084	Upper Wand Assembly	
					E13085	Lower Wand Assembly	
					16500	Squeegee Tool - 16"	
					33119	Hose Assembly	

THE KENT LIMITED WARRANTY

Your Kent Equipment, which has been manufactured, tested and inspected in accordance with carefully specified engineering requirements, is warranted to be free from defects in material and workmanship.

This warranty is, however, subject to the following qualifications, conditions, and limitations which are set forth to provide you and all users of the Kent Equipment with information concerning the duration, extent, availability, and applicability of this Kent Limited Warranty, the procedure to be taken to obtain its performance, and other information concerning the Kent Warranty policy.

DURATION OF WARRANTY AND TO WHOM EXTENDED

This warranty extends for a period of one year from the date of the original purchase of the Kent Equipment by the original purchaser.

PARTS OF KENT EQUIPMENT NOT COVERED BY WARRANTY

Certain parts of Kent Equipment require replacement in the ordinary course of use due to normal wear by reason of their characteristics. These are normal wear items such as cords, gaskets, switches, bumpers, carbon brushes, handle grips, bags, hoses, bearings, etc.

EXCEPTIONS AND EXCLUSIONS FROM WARRANTY

This equipment is required to be used on electric current as indicated on the name plate. Otherwise damage, defects, malfunctions or other failures of the equipment arising from use on electric current not as indicated are excepted and excluded from this warranty.

Defects, malfunctions, failure or damage of the equipment caused by improper, unreasonable or negligent use or abuse while in the possession of the purchaser are likewise excluded from this warranty.

If repair is done on your equipment by anyone other than those below designated as authorized to perform such work without first having obtained factory instructions, The Kent Company, at its sole option, may determine that this warranty will not apply and that reimbursement for such repair will not be made because of the failure to comply with such factory specified instructions.

FIVE YEAR POLY COMPONENT WARRANTY

Your Kent rotational molded polyethylene parts have been manufactured, tested and inspected in accordance with carefully specified engineering requirements and are warranted to be free from defects in material and workmanship.

This warranty extends for a period of five (5) years from the date of the original purchase of the Kent equipment by the original purchaser.

This warranty will not cover damage attributable to the following:

- (1) Improper, unreasonable or negligent use or abuse of the equipment.
- (2) Use of the equipment with hot water or high temperatures above 130° Fahrenheit (54°Centigrade).
- (3) "Warpage", "creepage" or "distortion" of part so long as the same does not interfere with normal operation.
- (4) Abrasions or punctures of the equipment.

PROCEDURE TO BE TAKEN TO OBTAIN PERFORMANCE OF WARRANTY

REPAIR

To secure repair of the equipment or any warranted parts under this warranty, the following procedure should be taken.

The inoperative equipment or warranted parts, together with satisfactory evidence of the purchase date, must be delivered, with shipping and delivery charges prepaid, to one of the following:

- 1) The Dealer from whom purchased;
- 2) Any Kent distributor's Service Department in the United States;
- 3) Any Kent Authorized Service Station in the United States.

If you are unable to locate any of the foregoing, you may write or otherwise communicate with The Kent Company, Division of Dometic Incorporated, for instructions before repair service is performed by anyone else. In such event, The Kent Company will provide either the location of a closely available Kent distributor Service Department or Kent Authorized Service Station or other factory instructions.

Upon compliance with the above procedure, all warranted defects will be repaired, at no additional charge or costs to the customer, and the repaired product returned to the customer, with all shipping and delivery charges prepaid.

In following the procedures above set forth, PLEASE MAKE CERTAIN to state the Kent model, type and serial number as shown on the name plate of the equipment.

REPLACEMENT

In the event of a defect, malfunction or failure of your Kent Equipment or any warranted part to conform with this warranty, The Kent Company may, at its sole option and own expense, replace the equipment or any warranted part with another new identical or reasonably equivalent model or part in lieu of repairing the defect.

NO REFUND OF PURCHASE PRICE

The Kent Company will not, as a matter of its warranty policy, refund the customer's purchase price.

WARRANTY REGISTRATION CARD FOR YOUR KENT EQUIPMENT AND REQUESTS FOR INFORMATION

Your Kent Company Distributor from whom you purchased your equipment is responsible for the registration of your warranty with the factory. We ask that you cooperate with your Distributor in supplying the necessary information on the warranty card so that we may better serve you.

Any information or questions you may have concerning your Kent Equipment or this warranty may likewise be secured from the factory.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

THE KENT COMPANY - P.O. BOX 1665 - ELKHART, INDIANA 46515