



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

Model#

Serial #

Retain this owner's guide for future reference.

THE KENT COMPANY

P.O. Box 1665 2310 Industrial Parkway Elkhart, IN 46514 (219)293-8661

INTRODUCTION

Your High Speed Burnisher has been especially engineered and manufactured to give the maximum in performance in a total polishing of small and large floor areas.

With careful maintenance, according to the instructions outlined in the following pages, a high standard of operation throughout its use will be insured.

CAREFULLY INSPECT ALL COMPONENTS TO INSURE THAT THERE IS NO CONCEALED FREIGHT DAMAGE. IF SUCH DAMAGE IS DISCOVERED, FILE A "CONCEALED DAMAGE REPORT" IMMEDIATELY WITH THE DELIVERING CARRIER.

The contents of this manual are based on the latest production information available at the time of publication. The right is reserved to make changes at any time without notice in price, color, materials, equipment, specifications and models.

IMPORTANT SAFEGUARDS

ACCIDENTS DUE TO MISUSE CAN ONLY BE PREVENTED BY THOSE USING THE MACHINE. TO GUARD AGAINST INJURY, BASIC SAFETY PRECAUTIONS AS SHOWN IN THIS MANUAL SHOULD BE OBSERVED.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

SERVICE INFORMATION

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

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.

We have found that following these step-by-step procedures results in longer machine life and fewer major service problems. We urge that these procedures be POSTED and carefully followed.

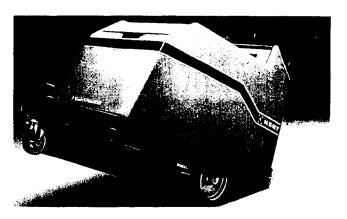
GENERAL INFORMATION

Unpack your floor machine carefully. This machine is designed to easily tilt rearward, so caution is advised when removing from box, and in moving machine over inclines and steps. Avoid bodily injury by handling carefully.

Install batteries by first placing a support at the rear of the machine to prevent tilting of it during this installation. Install batteries as illustrated in diagram bonded to machine lid, be sure to have two people do the installation of each battery because of weight and danger.

BE SAFE—AVOID HAZARDS

Your floor machine is equipped with a lighted master power switch. When the switch is "ON," no motion or sound will be present until the handle is rotated forward, then the burnishing wheel will run at fu power. The operator must immediately push forward on the handle bar to guide the machine thru the work area. FAILURE TO MOVE THE MACHINE IMMEDIATELY CAN CAUSE OVERHEATING OF A TILED AREA, RESULTING IN A DAMAGED FLOOR.





CAUTION

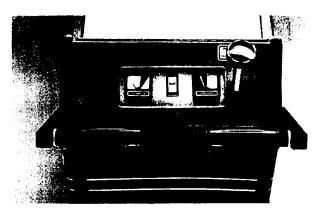
CAUTION

Be sure to turn the Master Switch "OFF" before changing pads. A mercury tilt switch is located behind the instrument panel to insure that no one can start the machine while it is tipped back for service. Do not bypass or defeat any interlock. Do not bend the mercury switch bracket.

Avoid hazardous conditions, do not use your machine in areas where flammable and/or explosive vapors or dust are present.

Your floor machine must not be used as a toy. Do not allow children or unauthorized personnel to play with unit. Do not leave floor machine "ON" and unattended.

WARNING—This machine is designed for high speed burnishing only. It cannot be used for scrubbing or shampooing.



HEIGHT CONTROL

A means of controlling pad pressure is located conveniently near the operator's position. The machine must be moving to avoid burning sensitive floors. Turn the height control knob clockwise to decrease pad pressure or counterclockwise to increase pad pressure. A meter is provided on the instrument panel so that pad pressure is constantly monitored. The meter is identified as "LOAD INDICATOR." The colored GREEN zone on the meter face is where the needle should point when the operator has set the height control properly for average conditions while pushing the burnishing machine forward. A lower reading in the YELLOW meter zone indicates light or no burnishing pressure. A higher reading in the meter RED zone indicates excessive burnishing pressure or loading up of pad. LOW TO HIGH fluctuations of pressure are normal. Averaging the observed fluctuations should place them in the green zone. If this is not the case, an adjustment of the height control knob is required.

For easy transport, turn the height adjust knob fully clockwise. Always stop turning when effort suddenly increases. This is maximum height possible.

The machine is designed to be adjustable for all types of pad thicknesses. Pad selection is important. Be sure the pad is intended for 2,000 rpm high speed use. A pad that is not intended for 2,000 rpm high speed use can disintegrate very quickly and lodge inside the covered housing. Be sure the main switch is turned off before tilting machine.

The pad holder is exposed by pushing the machine's rear end to the floor. Notice the abrupt shift of weight will hold the machine in a stabilized position on rubber shock absorbers against the floor. A T-handle with pointed screw through a molded cup provides an easy means of centering and securing the pad under the holder.

Raise the rear of the machine to normal position. To proceed, push the switch "ON" that is located between the meters on the instrument panel. Grip the handle firmly rotating the grips forward, and pushing the machine forward. The burnishing motor will start to rotate. If the machine pulls to the side and the "LOAD INDICATOR" meter points to full-scale (RED zone), push the main switch OFF immediately. Turn the height control knob on the right side of the instrument panel clockwise and notice that the front of the machine raises very slowly. Satisfactory height adjustment is easily attained by again pushing the machine. As the burnishing motor starts, turn the knob in the direction that places the meter's needle in the GREEN zone. Notice that guiding and pushing the machine becomes easier and floor finish brighter when the "LOAD" is adjusted properly.

CIRCUIT BREAKERS

If the motor in the machine becomes overloaded, it will kurn off automatically. Overloading may occur if the burnishing pad pressure is too great and the height control knob is adjusted too low. When the "LOAD INDICATOR" meter is allowed to operate continuously at full scale (in the RED zone), the circuit breakers will open. Two circuit breakers are located near the charging plug at the front of the battery box. After a brief wait, the circuit breaker reset buttons can be depressed to restore operation. Readjust machine height to function within the GREEN scale of the meter.

Avoid frequent starts and toying with handle rotation. The breaker element becomes heated to the point that normal operation is impossible. A long period of cool down is then required.

CARE, STORAGE, AND BATTERY CHARGING

At the end of a burnishing operation period, the machine should be cleaned up and prepared for the next operational period. The batteries require constant current charging at 36 volts through a charging connector located on the front of the frame. The machine's battery cover should be left open while charging takes place.

TO OPERATE THE KENT BATTERY CHARGER:

- 1. Connect the charger plug to the machine plug firmly.
- 2. Plug battery charger into a normal electrical outlet and set the timer as desired. NOTE: Set the Kent Battery Charger on a flat, firm surface to insure that cooling air can circulate through the bottom louvers.

The Kent Battery Charger is guaranteed against defective parts and workmanship. Any parts proving defective within six months will be repaired free of charge when the charger is returned prepaid to the manufacturer.

Hydrogen gas is formed when the batteries approach the full charge state. This gas is explosive; therefore, when charging batteries with lid open, avoid any open flame or electric spark near batteries. This includes connecting or disconnecting charger with timer "ON." To avoid accumulation of gas, be sure batteries receive good air circulation while being charged.

BATTERY CARE

Battery care determines the life span and efficiency of the units; therefore, for the longest possible useful life from these batteries, the following procedures should be followed:

- 1. Keep battery solution (electrolyte) level up in cells. Check daily. If cells need water, use only distilled or approved water. DO NOT OVERFILL!
- 2. Keep batteries fully charged
- 3. Keep batteries and connection clean. When necessary, clean with baking soda solution and coat

terminals with grease after wires have been attached to retard corrosion.

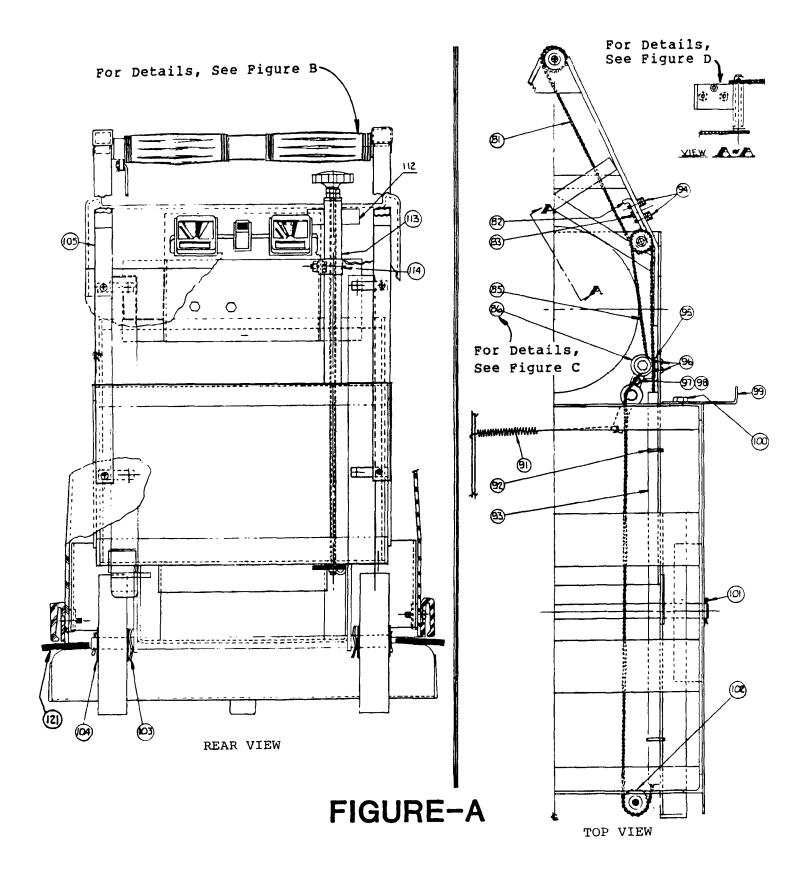
Your floor machine should be stored in a clean dry place. Do not allow the machine to rest on its pad for an extended period of time. The pad could take a set and cause the machine to vibrate excessively. This will not occur if the height control is left at a high setting.

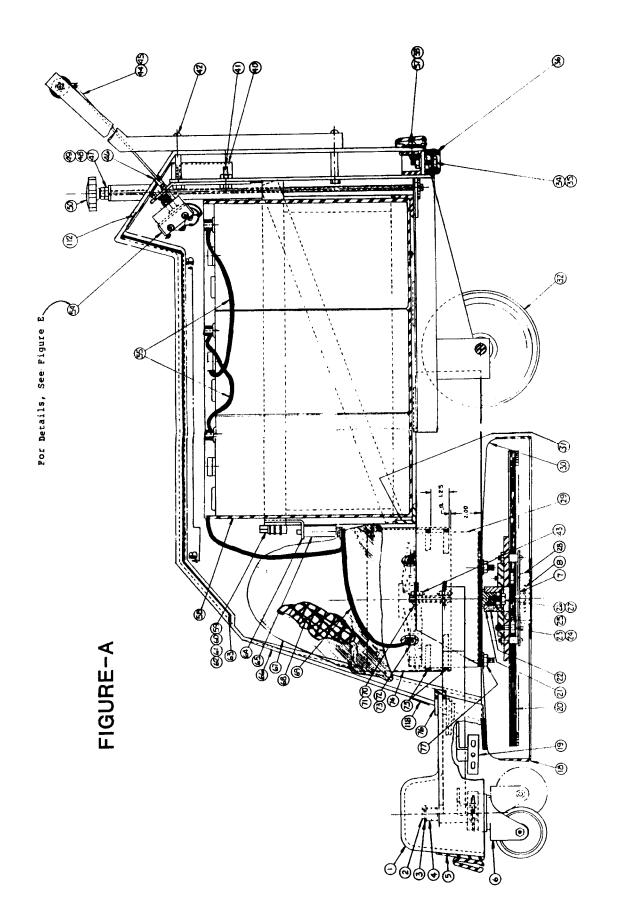
WEEKLY

CHECK BATTERY ELECTROLYTE LEVEL AND ADD DISTILLED WATER IF LOW. Wipe off tops of batteries to prevent accumulation of water, acid and dirt. Clean the dust bag clamped over the motor by vacuuming it thoroughly. If it becomes loose from its mounting or is torn, it must immediately be repaired or replaced. Service life of the motor will be greatly reduced if the filter is not inspected and cleaned at least every week. More frequent cleaning may be necessary under severe conditions. To inspect the filter remove it by pulling upward.

Remove bag and bag support mesh. There should be no collection of dust, sand, or dirt on or in the motor. If there is the bag has been leaking. Inspect parts and take corrective action. Be careful that a tool or piece of hardware does not fall into the motor housing. It contains permanent magnets, and retrieval of foreign objects could be difficult. Brush and commutator life is severely shortened if dirt passes around the filter.

The wheels are provided with a single zerk on each. One pump from the grease gun once a month is plenty of lubrication for the wheels. No other lubrication is required.



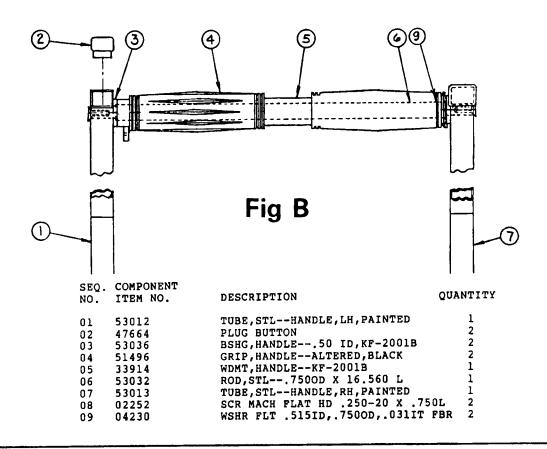


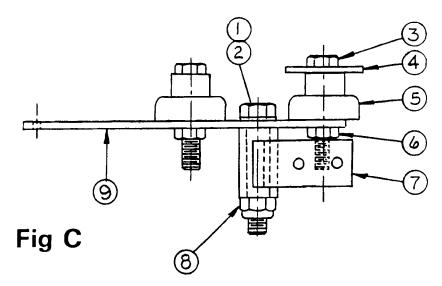
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			_	11		DESCHIPTION	gry.
SEQ		DESCRIPTION	QTY.	SEQ	PART	DESCRIPTION	4
NÚ.	NO.			NO.	NO.		
				11			
1	053006	COVER, CASTERKF2 00 18, MACHINED	1	62	033053	ASM, SUBCHARGER, PLUG	ľ
2	002297	SCR MACH FLAT HD .312-18X.625L	i	63	033834	WONT, LIDEHINGE KF-2000B	1
3	005219	WSHR FLT .406 ID1.000D.071T STL	1	64	052986	PLATE, STL 15 GA ODS, BKR, BRKT.	t
4	033908	WONT, STL SHAFT&SPROCKET	1	65	026888	CIRCUIT BREAKER 40 AMPS	2
6	049376	CASTER WHEEL	1	66	033933	ASM, SHROUD, COMPKF-20018	1
7	080198	CTN-56.75LX24.75HX44.00H,KBI8	1	67	052798	BAG, FILTER40TOR1	1
8	080477	CTN-21.12LX15.12WX15.00H3BATT	1	1 1			_
9	926876	BATTERY 12V, 185AH, WET, KF2000B	3	68	033844	ASM, SUPPORT-FILTER BAG	1
				69	033859	ASM, CABLE 6GA, BLACK, 24.0 LONG	2
15	050397	STRAP, TIE DOWN 062XIX60.00L	1	70	004253	WSHR LK .204ID.4100D.025T EXT	2
13	00 23 26	SCR CAP HEX HD .500-13X2.50L	2	71	002208	SCR MACH RD HD 10-24X1,25L BSHG,RUBBER,371DX,650D,:31 L	2
14	049465	BAR-HOLD DOWN	2	72	053091	GROM625 ID875 MHD,.062 PA	2
15	004491	WSHR FLT .500ID1.3700.109T	2	73	046651	SHEET STL-16 GADD FILTER HOUSE	ī
16	004228	WSHR LK .518 ID.8730D-125TSPLT	2 2	74	053021	GASKET FDAM375X.50X29.50LG	3
17	003296	NUT, HEX500-13, ZN PLT	1	76	052770 053112	TRIMSEAL, VINYL GRIP, 22.50L	1
18 19	953082 953092	EXTRUSION, VINYL DUST GUARD SHEET, STL RETNR-BMPR, .06%.75#	8	77	004206	WSHR FLT .281 10.56200.063T STL	7
20	020341	OBS_REPLACED BY 20343	ı	11 ''	00 42 00		
21	033915	WOMT, PLATE/HU8ORIVE, KF-20018	ī	78	092382	SCR TPG F PAN HD 10-8 X.500L	4
	433713			79	052795	TAPE, VINYLBLACK , 15. 3CUTLNGTH	1
22	005387	SCR SET CUP PT .312-18X.500L	2	80	053072	LABEL, IDENTLID, KF-20018	1
23	00 32 24	SCR CAP HEX HD .375-16X.750L	3	81	033912	CHAIN, ROLLER#25,109LK & CONN	1
24	004214	WSHR LK .39010.68300.094TSPLT	3	82	033940	ASM, INTERSHAFTKF-2001B	t
25	040407	KEY, SQUARE 187 SQ, 1 - 125 LONG	1	E8	002244	SCR SET CUP PT .250-20X.625L	1
26	223156	SCR CAP HEX HD .312-24X.750L	1	85	033913	CHAIN, ROLLER#25,275LK & CONN	1
27	052765	SPACER, STL 34 IDX1.120DX.25T	1	36	033939	ASM, I DLERKF-20018	1
28	033864	ASM, CLAMPING PLATEKF-2000B	1	91	046575	SPRING: EXT .312D 7.38L .035WD	2 10
29	024297	MTR,DC-36V,2.50HP,180GRPM	ı	92	050759	STRAP, TIE, ELEC12.00L, NYLON	10
30	953001	COVER, BRUSH20 , PAINTED BLK	1	11	05 30 27	PIPE.PVC50 ID X.62 00 X 21	1
31	033907	WDMT, FRAMEKF20018	1	93	002256	SCR CAP HEX HD .250-20X1.00L	2
		HUEST 0110050 0 00 054 1 434	2	96	005487	SCR TPG F PAN HD 10-24X-500L	2
32 34	∰6275 1 003283	WHEEL,RUBBER8.00 DIA,1.62W NUT,HEX250-20,ZN PLT	6	99	052788	ANGLE, STL-1. 12X3 .12X5.50L	2
35	003283	WSHR LK .26210.48900.062TSPLT		100	002232	SCR CAP HEX HD .250-20X.375L	2
36	052787	BUMPER RUBBER 1.5 ODX.75 THK	2	101	00 52 00	PIN, COTTER 125X1.000 LONG	2
37	002263	SCR MACH RD HD .250-20X1.25L		102	033942	ASM, CONTROL SHAFTKF-20018	1
38	00 34 29	NUT, SPEED, U 250-20, . 58x1 . 125	2	103	004508	WSHR, SPRING STEEL-THSN, . 75 DD	4
40	033932	ASM, INSTRUMENT PANEL, KF-20018	1	104	004507	WSHR FLT .81201.5000.125 STL	4
41	002253	SCR CAP HEX HD .250-20X.750L	7	105	033943	ASM , HANDLEKF-2001B	ı
42	002271	SCR, MACH-RD HD250-20X1.75L	4	11		1	1
43	003279	NUT, HEX 10-24, ZN PLT	2	112	053069	LABEL INSTR-INCREASE/DECREASE ASM CONTROL COLUMN-KF-2001B	1
			_	113	033911	CLAMP LOOP COLUMN : 900 DIA.	ì
44	053025	ROD, STL 1 88 X 12.75 L	1	1124	052739 049026	LABEL , INSTRMAINT, AUTO BAT	i
4.5	004293	PIN,COTTER 062X .375 LONG	1	117	052826	LABEL, INSTRCAUTION, KF2000B	ī
47	005279	NUT HEX LOCK375-16, NYLOC	1	119	052908	LABEL, INSTR-WIRING DIAGRAM	1
48	003293 004215	NUT;HEX375-16;ZN PLT WSHR LK .3981D.6940D.040T EXT	1	1 120	052980	LABEL, CAUTION BATTERY CHARGNG	1
50	047484	KNOB	i	123	047085	STRAP, TIE, ELEC- 5.50L, NYLON	1
54	033941	ASM,5 WITCHKF-20018	ī	"""			
55	025252	ASM, WIRE 6GA, RED, 18.0L, RINGS	2	124	032461	CHARGER, BAT-36 VDC, 100V 60 CY	1
56	052801	COVER BATTERIES-KF-2000B	1	125	22 30 46	SCR MACH RD HD 10-32X.375L	4
57	052797	TAPEFOAM, DOUBLESTDE, 18.0LONG	3	126	0531 53	BAR,ALUM125X-500X1-50L	2
		•		127	053 155	TAPE, VINYLBLACK, . 75%4.00 L	t
		BOX, BATTKF2000B, MACH 10, 38ATT	1	128	004217	WSHR FLT .34410.62500.071T STL	4
58	052793		2	129	051191	BUMPER WHEEL-PAINTED	2
59	003274 004249	NUT , HEX 6-32, ZN PLT WSHR LK .15010.32000.022T EXT	2	130	00 33 49	NUT, HEX312-18, ZN PLT	2
60 61	001248	SCR MACH RD HD 6-32X1.00L	2	131	003246	SCR CAP HEX HD .312-18X1.00L	2
91	001240	SER HACH NO 10 STATES		132	004212	WSHR LK .3251D.5860D.078TSPLT	4
				133	0531 98	STRAP, TIE, ELEC 7.38L, POLYPRP	6
					0571 20	GUARD BATTERY POSTS-10 X2	,
				134	0531 32	LABEL, IDENT RIGHTSIDE, KF20008	3
					52.775 52776	LAMEL, IDENTLEFT SIDE, KF20008	•
					52777	LABEL, IDENT-FRONT, KF2000B	1
				11 =	52778	LABEL I ICENT BACK KF2008	1
				₩	30626	BRUSH-MECHANISH-SCOTT 2.5HP	4
				<u> </u>	38830	SPRING, NEGATOR-BRUSH	4
				11 -			

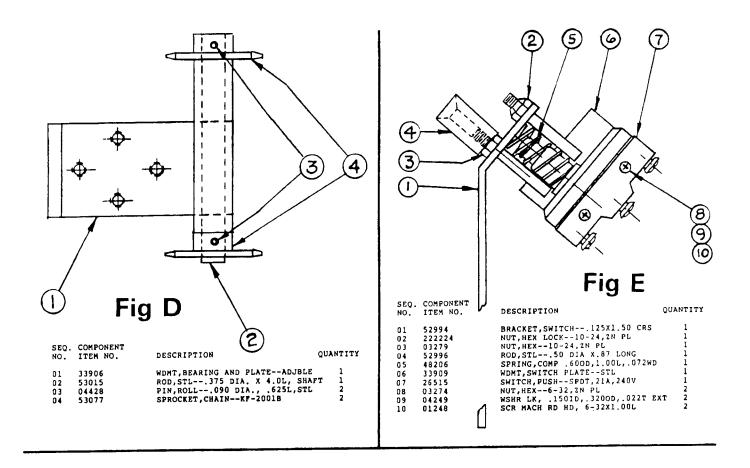
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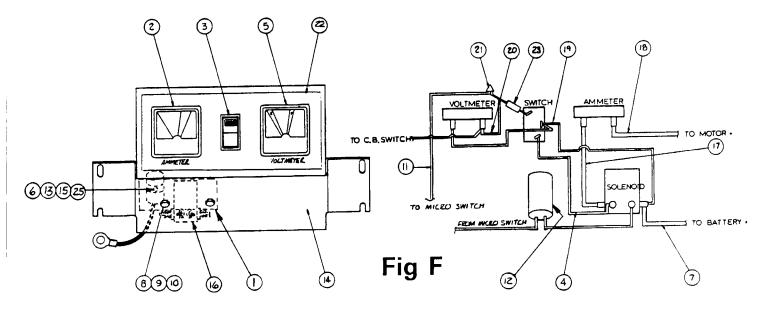
FIGURE-A



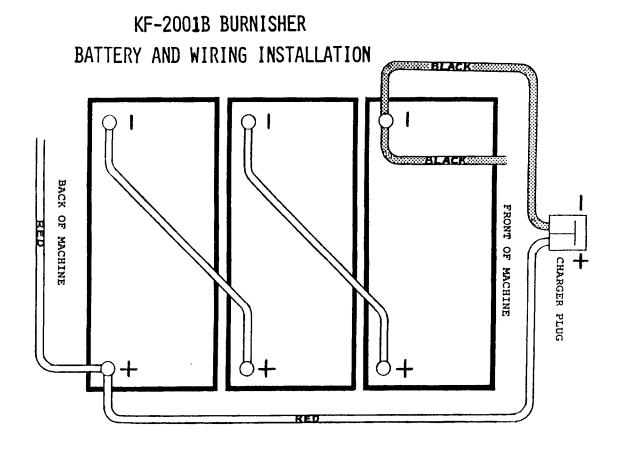


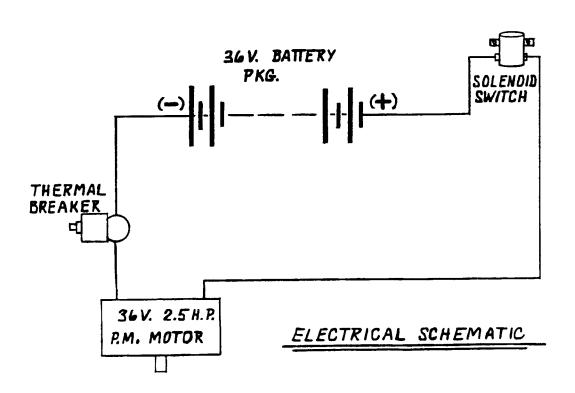
SEQ. NO.	COMPONENT ITEM NO.	DESCRIPTION Q	UANTITY
03 04 05 06 07	05424 05320 05223 04427 53037 03356 33931 05279 52988	SCR CAP HEX HD .375-16 X 2.00L WSHR FLT .406ID,.750OD,.060T STL SCR CAP HEX HD .312-18X1.50L WSHR FLT, .344ID,1.250OD,.120T S IDLER,CHAIN TENSIONINGKF2001 NUT,HEX HAM312-18,ZN PLT WDMT,IDLER SUPPORTKF-2001B NUT,HEX LOCK375-16,NYLOC BAR,STL125 X .75 X 5.25 L	2





SEQ. NO.	COMPONENT ITEM NO.	DESCRIPTION	QUANTITY	SEQ. NO.	COMPONENT ITEM NO.	DESCRIPTION	YTITMAUQ
01 02 03 04 05 06 07 08 09 10 11 12 13	53168 26877 26875 25648 26503 53169 25252 02237 02278 03283 25515 26889 22-3188	BRACKET-SWITCH MOUNTING, STL AMMETER, DC0-90 AMPERES SMITCH, ROCKER-SPST, W/LIGHT ASM, WIRE-16GA, RED, 9.0L, COMB VOLTMETER CLAMP, MOUNTING375WX.410D ASM, WIRE6GA, RED, 18.0L, RINGS SCR CAP HEX HD. 250-20X.500L WSHR LK, .262ID, .4890D, .062T SNUT, HEX250-20, ZN PL ASM, WIRE-16GA, BLK, 12.0L, RING SWITCH, 7ILTMERCURY, .3A, 36V SCR, MACH, PAN HD-X-FFC, 6-32 UNC-2A	1 1 2 2 5PLT 2 2	14 15 16 17 18 19 20 21 22 23 24 25	52762 03274 26504 25275 25061 25649 25650 26464 53124 25671 49377 04249	PANEL, STLINSTRUMENT, KF-2000B NUT, PLAIN HEX6-32 UNC-2B SOLENOID ASM, WIRE6GA, RED, 8.0L, RINGS ASM, WIRE6GA, INSULATED TERM. ASM, WIRE16GA, RED, 9/9.0L, COMB NUT, WIRE16GA, BLK, 9/46L, COMB NUT, WIRE1DEAL 738 LABEL, INSTROPN, CONT PNL 2001 ASM, WIRERESISTOR LIMITING SPACER, STL315X.500, .280L WASHER, LK, EXT. TOOTH#6 STUD SI	1 1 1 1 1 1 1 1 1 2 2





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

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;
- 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.