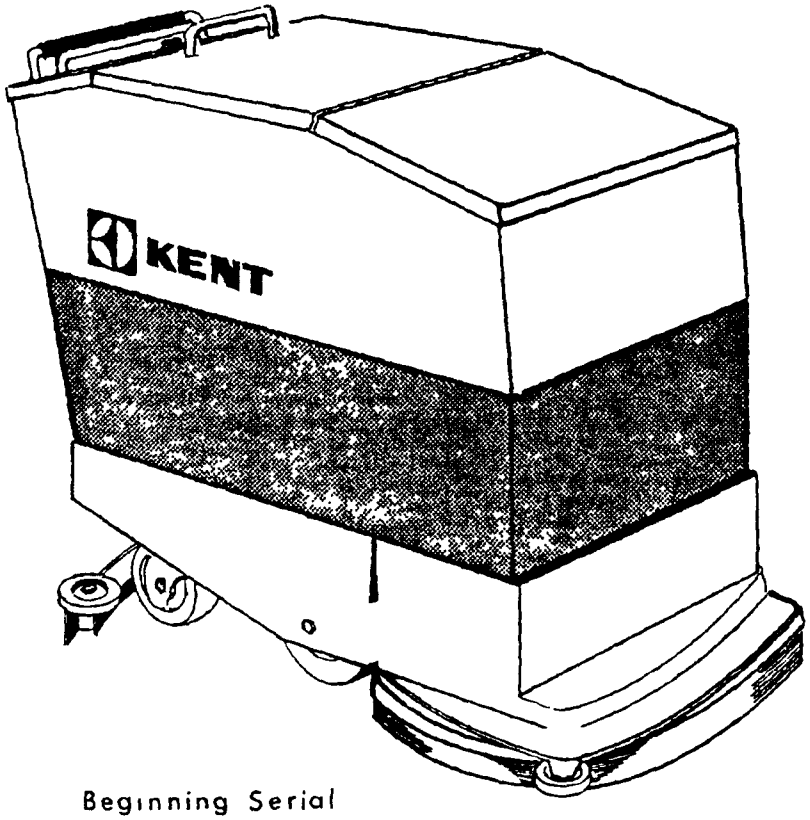
KENT

BATTERY AUTOMATIC

MODEL KA26

OPERATING & MAINTENANCE INSTRUCTIONS



ILLUSTRATED PARTS LIST

Beginning Serial No. 251295

Nov. 1973

KELTEC INC.
ELKHART, INDIANA 46514

26" BATTERY AUTOMATIC

TABLE OF CONTENTS

VII. ILLUSTRATED PARTS LIST

INTRODUCTION

Your Automatic has been especially engineered and manufactured to give the maximum in performance in a total scrubbing and polishing of large floor areas.

This machine was designed to give the professional service required with a minimum of effort by the operator.

It is ruggedly constructed and 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 product 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.

GUARANTEE CARD

For your convenience, record machine model and serial number here:

MODEL _____

SERIAL NO._____

SERVICE & BATTERY GUARANTEE APPLYING TO SCRUBBER-VAC BATTERIES

SERVICE GUARANTEE: - If a battery becomes unserviceable in normal use within 90 days of purchase, the purchaser is entitled to a new battery of a comparable size and type, without charge, or to the necessary repairs, without charge for either labor or materials, at the option of the manufacturer. Transportation, recharges, or the use of rental batteries are not classed as repairs, and the battery owner is expected to pay for such services, if required by user.

ADJUSTMENT POLICY: - If a battery becomes unserviceable in normal use after the expiration of the Service Guarantee, but before the expiration of the battery guarantee, it will be repaired or replaced with another battery of a comparable size and type to the original purchaser, on a pro-rated price basis, in exchange for the unserviceable battery, the purchaser paying only for the service received, plus transportation charges.

LIMITATIONS: - Failure in service due to fire, wreckage, explosion, freezing, abuse or neglect, use of battery "dopes", or the use of a battery of a group size smaller than that of the battery used as original equipment is not covered by the Service & Battery Guarantee. The Service & Battery Guarantee will not apply if battery has been opened or repaired or manufacturers' identification markings have been obliterated before presentation for adjustment or if battery has broken case or cover or if battery is discharged.

SCALE FOR PRO-RATING AFTER 90 DAYS

$$\frac{\text{Months Operation}}{\text{Months Guarantee}} \times \frac{\text{Price}}{1} = \text{Exchange Price}$$

All batteries are guaranteed for twelve (12) months from date of receipt.

(Subject to Change Without Notice)

I - BATTERY INSTALLATION INSTRUCTIONS

After removing machine from shipping carton, raise lid covering the battery compartment. Before installing batteries, refer to the drawing on Page 21 for proper location of positive and negative terminals. Attach cables to terminals again referring to Battery Installation Drawing for proper cables and location. Be sure all connections are tight. Check water level in each cell to be sure it is 1/4" above the top of the plates. Use only distilled water in the batteries.

II - FAMILIARIZATION & OPERATION

CONTROL PANEL

Standing at the rear of the machine, note the position of the controls on the control panel. The two switches on the right control the drive motor and the vacuum motor. The far right switch controls the vacuum motor. The second switch the drive motor. The red pilot light above the drive motor switch will light when the drive motor is "ON". The amber pilot light will come "ON" when the recovery tank is full. The lower center control knob regulates the rate of flow of solution to the brushes. Turning the control knob counter-clockwise opens the valve and clockwise closes the valve.

The voltmeter will show the condition of the batteries. When batteries are fully charged and in top condition, the needle will stand at "F" or slightly to the right of center. When the needle falls to the left, or in the red, the batteries are in need of recharging.

The up and down motion of the squeegee and brushes is controlled by the two handles at the rear of the machine. The handle on the right is for squeegee operation. The "UP" position is when the squeegee is off the floor. The "DOWN" position is the operating position. The left handle is the brush control. The "UP" position indicates the brushes are off the floor. The operating position is when the brushes are on the floor and in normal scrub position. The "LOCK" position is for full brush pressure and is for use in exceptionally soiled conditions. Do not use the "LOCK" position for normal scrubbing. The brush drive motor comes on automatically any time the handle is taken out of the "UP" position.

TRACTION OPERATIONS

The forward and reverse motion of this machine is controlled by a traction bar which is also located at the rear of the machine. Pushing this traction bar forward will give forward machine motion, whereas pulling this traction bar will give reverse machine motion. The control has an automatic centering device which will return the traction bar to the neutral position when it is unmanned. The squeeze bar, which is directly in front of the traction bar, is an ease of operation device which can be used to place the machine into the forward operating position. Because this machine has individual wheel control, the engaging of one clutch or the other will give a very sharp turn. This makes the machine very maneuverable and capable of cleaning in close areas. For a left turn, engage only the right clutch into the forward position. The traction bar will move to this position easily and a left turn will be accomplished. For a right turn, engage only the left clutch in the forward position. When reversing this machine, the squeegee should be raised to prevent dragging of dirt particles on a clean floor.

SOLUTION TANKS

Raising the front lid exposes the fresh solution and recovery tanks. The fresh solution tank is mounted on the left side of the machine; the recovery tank on the right as the operator stands behind the machine. Both tanks are made of linear polyethylene material and are very easily cleaned. Both tanks have drain valves at the rear of the machine. Back the machine to any convenient floor drain and lift up on the red handle of the valve. The tanks will then drain very quickly.

BRUSH OPERATIONS

The machine is equipped with two (2) 13-1/2" brushes which mount easily to the brush drive sheaves. A chain drives the two counter rotating brushes. Each brush is equipped with three (3) driving lugs. These lugs engage a drive plate mounted on the brush drive sheave. The sheave hub is used as a pilot to guide the lugs into proper location. The brush cover is an aluminum casting with a vinyl extrusion splash guard mounted on it. The cover is held in place with two (2) fasteners located slightly under the lower front panel. To install a brush, the brush cover must be removed prior to lifting the brush plate to the "UP" position. Install the brush by piloting the brush

hole onto the brush sheave hub, then rotating until the slots can be felt thru the brush lug. A quick jerk in the opposite direction of normal brush rotation will lock the brush to the drive plate.

VACUUM MOTOR

The vacuum motor assembly is a compact unit and is found in the top of the recovery tank. The entire unit is easily lifted out when it is necessary to clean the inside of the tank. The lint filter on the bottom of the vac motor should be removed and cleaned daily. This is done by removing the two (2) wing nuts and lifting the vac motor out of the pot assembly and slipping the filter off of the motor. Brush the lint filter thoroughly before re-assembling.

FILLING WITH FRESH SOLUTION

Pour solution into the fresh water tank opening with care not to splash over the entire machine. Mix solution to be used according to the manufacturer's directions for the particular application. Fill the fresh solution tank with the desired amount of solution or up to approximately 1-1/2" below opening of tank.

SQUEEGEE OPERATIONS

The Automatic is equipped with an arcuate squeegee which is capable of swinging 4" to either side of the machine. This makes picking up water on a turn a simple matter because it will follow the pattern of the brushes as the machine turns in either direction. When up against a wall, the squeegee will push itself against the wall and will ride tight to it. If it encounters an obstruction, it will merely shift around it and may be pushed against the wall once again.

SEQUENCE OF SCRUBBING OPERATIONS

To apply solution to the floor, scrub at the desired pressure and immediately recover the liquid and soil, the following sequence of operations is followed:

1. Turn drive motor switch to the "ON" position.
2. Position the brush lever to the desired position.
3. Turn water knob to desired flow rate.

4. Turn the vac motor switch to "ON" position.

5. Release squeegee control arm lowering squeegee to the floor.

6. Push the traction bar forward for forward motion. Varying speeds of forward motion can be obtained by change in force on the traction bar, or on machines equipped with speed control, by position of speed control knob. An infinite number of speeds are available when a machine is equipped with this device.

TURNS IN THE NORMAL SCRUBBING PATTERN

When approaching the end of a straight scrubbing pattern, turn the water switch to the "OFF" position approximately six (6) feet before the turn. At approximately three (3) feet from the turning point, engage the right or left clutch depending upon the desired direction of the turn, and let the machine carry itself around the turn and begin the straight scrubbing pattern. Turn the water feed switch to the "ON" position in the middle of the turn. It is suggested that because only one hand is needed to operate this machine in the turn, the other hand can easily manipulate the position of the flow switch. This machine is equipped with an automatic shut-off device which will cease the operation of the pick-up tube when the recovery tank is full. You will note this condition when the amber pilot light comes "ON" and the vac motor automatically shuts "OFF". When this condition occurs, the squeegee and brushes should be raised from the floor and the machine be driven to a suitable area for the dumping of the dirty water.

III - MAINTENANCE

MACHINE CARE

At the end of the day's operation, the machine should be completely cleaned and prepared for the next shift's operation. Careful maintenance will insure effective performance throughout a long period of service.

1. Position the recovery tank over a floor drain with drain valve open, and completely rinse the tank with clean water. If this is done at the end of each day, there will be no soil build-up to the surface or the polyethylene tank. If

hoses are not available, thorough rinsing and dumping should be adequate.

2. Clean the fresh water tank using the same procedure as in Number 1 above.

3. Remove the brushes from the machine and clean and dry as necessary and also wipe down the exterior of the machine. Place the machine on charge for the next day's operation.

IV - INSTRUCTION MANUAL FOR BATTERY CHARGER

BATTERY CARE

The battery charger is of the constant current type and will taper down and hold a finish rate of 2 to 3 amps until the 16 hour timer has shut off. This charger is equipped with a Klixon circuit breaker for diode protection in case of a short circuit within the charger or reverse polarity of the batteries. No adjustments or maintenance is required other than reasonable care and periodic inspection to be sure louvers and bottom vent holes are not obstructed. The charger is convection cooled, therefore, it must always be set on a flat hard surface to insure proper air circulation under, thru and around the charger. When connecting or disconnecting the charger, always be sure the timer is in the "OFF" position as sparking will occur if the charger is "ON" which could be dangerous in an explosive area. Always charge the batteries in a well ventilated area.

This battery charger is guaranteed against faulty parts and defective workmanship. Any parts proving defective within six months will be repaired free of charge when the charger is returned prepaid to manufacturer.

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

1. Keep battery solution (electrolyte) level up in cells. Check daily - if cells need water, use only distilled or approved water.

2. Keep batteries fully charged.

3. Keep batteries and connections clean. When necessary, clean with baking soda solution and coat terminals with grease after wires have been attached to retard corrosion.

WARNING: - Hydrogen gas is formed when the batteries approach the full charge state. This gas is explosive, therefore, charge batteries with lid open always and 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.

V - MAINTENANCE INSTRUCTIONS

A sound Preventive Maintenance Program will insure long, reliable and effective performance from your machine. We would strongly suggest that responsibility for the machine be assigned to a reliable individual in your organization.

DAILY:

1. Clean and flush fresh and recovery solution tanks.
2. Wipe clean all interior and exterior surfaces.
3. Clean batteries with damp cloth and check water level.
4. Wipe clean squeegee blades and machine wheels.
5. Charge batteries.
6. Clean lint filter on vac fan.

WEEKLY:

1. Lubricate all chains.
2. Lubricate all oil impregnated bronze bearings (See Machine Lubrication Chart in Catalog).
3. Lubricate all linkage or hinge pivot parts.
4. Check pick-up tube for any obstructions.
5. Lubricate pivot wheel bearings.

MONTHLY:

1. Check all chains for tension and sprockets for wear.
2. Check alignment of chains and bolts.

3. Check and clean batteries per BATTERY MAINTENANCE.

4. Check all gaskets.

5. Check proper clutch adjustments.

6. Check all wiring connections for cleanliness.

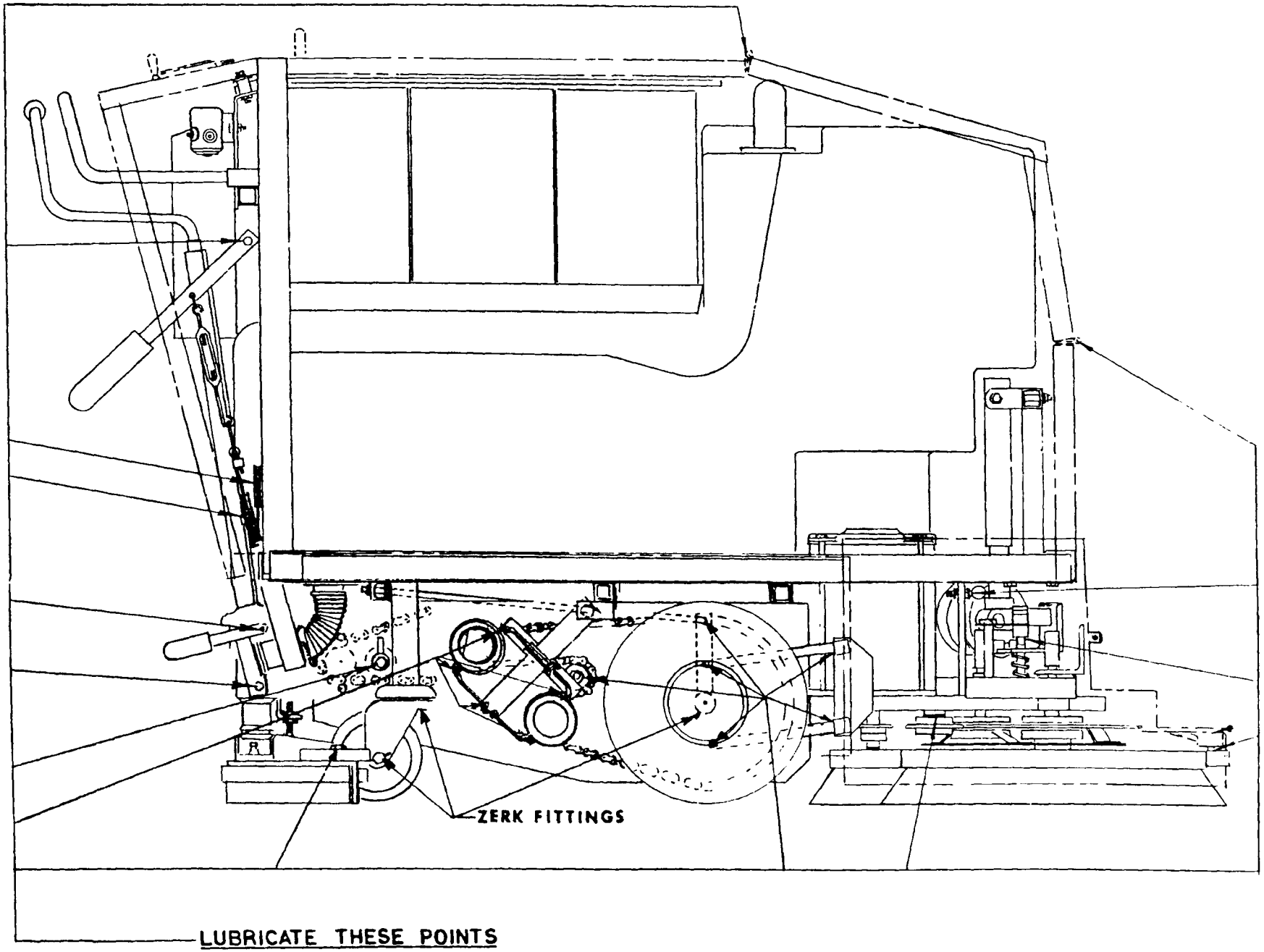
SIX MONTHS: 1. Same as MONTHLY plus:

2. Inspect vac motor carbon brushes, replace if worn to 3/8" length or less.

3. Inspect traction drive motor carbon brushes, replace if worn to 3/8" length or less.

4. Inspect brush drive motor carbon brushes, replace if worn to 3/8" length or less.

LUBRICATION CHART



V. - ADJUSTMENTS

Clutch Adjustment - This machine employs four clutches in the drive system. The need for a clutch adjustment is indicated by excess movement of the traction control bar to obtain forward or reverse drive.

First - Be sure the switches are off - removal of a battery cable is also recommended.

Second - Examine the clutch actuating linkage for lost motion due to wear - make any necessary corrections.

Third - Adjust each clutch as follows: Apply a firm pressure at the clutch actuating lug as indicated by the arrow "A" in Fig. G. This will engage the clutch and remove lost motion. Adjust the wing nut "B" to obtain 5/16" clearance between the wing nut and its stop. Release pressure at "A". Apply the same procedure to each clutch. If the machine has a tendency to creep after all four clutches have been adjusted, back off the adjustment of the offending clutch 1/2 turn.

Drive Chain Adjustment - There are three chains in the drive system. The motor (or primary) chain is a 3/8" pitch and the two final drive (or wheel) chains are 1/2" pitch. Before adjusting chains, they should be inspected for wear or damage. The sprockets should also be examined for wear. Correct any deficiencies.

Motor Chain - Using a 1/2" hex socket, loosen self-locking cap screw "C" Fig. G 1/8 to 1/4 turn, slide upward to tighten chain, then tighten cap screw "C" in the new position.

Final Drive Chain - Using a 9/16" end wrench, loosen self-locking nut "D" Fig. G approximately 1/8 turn, move forward to tighten chain, then securely tighten nut in new position.

CAUTION: Chains must have some slight slack or sag for quiet and efficient operation. Do not overtighten.

Traction Control Bar and Centering Spring - Under normal use, these adjustments will seldom need to be changed from the original factory settings unless parts are replaced or excess wear occurs. Centering Spring Adjustment - See Fig. G. Remove the self-locking nut "L" and disengage the control lever "P". Remove the wing nuts "B". Loosen the locking collar "H" and slide it back from the spring. Now exert a rearward pressure on locking collar "G" and observe the position of lever "E". Lever "E" should be exactly centered between the two clutches. If it is not, loosen the set screw of collar "G" while retaining the rearward pressure; position lever "E" at the center and tighten the collar "G" set screw. Now move collar "H" forward and compress the spring to a 1-1/2" length and tighten collar "H" set screw. Remove pressure from collar "G" and lever "E" should remain properly centered. Connect control lever "P" and adjust nut "L" and "M" to establish 1-3/4" distance between the control bar and the squeeze bar. Install the wing nuts "B" and adjust the clutches as described above.

Squeegee Lift Adjustment - Place squeegee lift lever in "UP" position. Loosen and move down approximately 1/4" the jam nut "R" located under the squeegee lift bracket attached to the squeegee cap and spring. Re-tighten the jam nut "R" on top of this bracket causing the squeegee to raise off the floor. Re-adjust if more or less clearance is desired.

Squeegee Pressure Adjustment - To increase the pressure of the squeegee to the floor, tighten the nut "T" that secures the squeegee rod (Ref. No. 32 - Fig. A) to the rear cross member of the frame. Loosening this nut will decrease the pressure. A 1/2" deep socket will be required.

Brush Drive Chain Adjustment - Remove the brush cover. Loosen the nut holding the idler sprocket close to the brush drive motor and slide assembly inward until the chain is snug. The chain should not be excessively tight. Re-tighten idler sprocket nut and reassemble brush cover.

Attach the battery lead terminal and the machine is ready for use.

Any questions that might arise, not covered by this manual, contact the nearest Kent Distributor or write directly to:

THE KENT COMPANY
P.O. BOX 939
ELKHART, INDIANA 46514

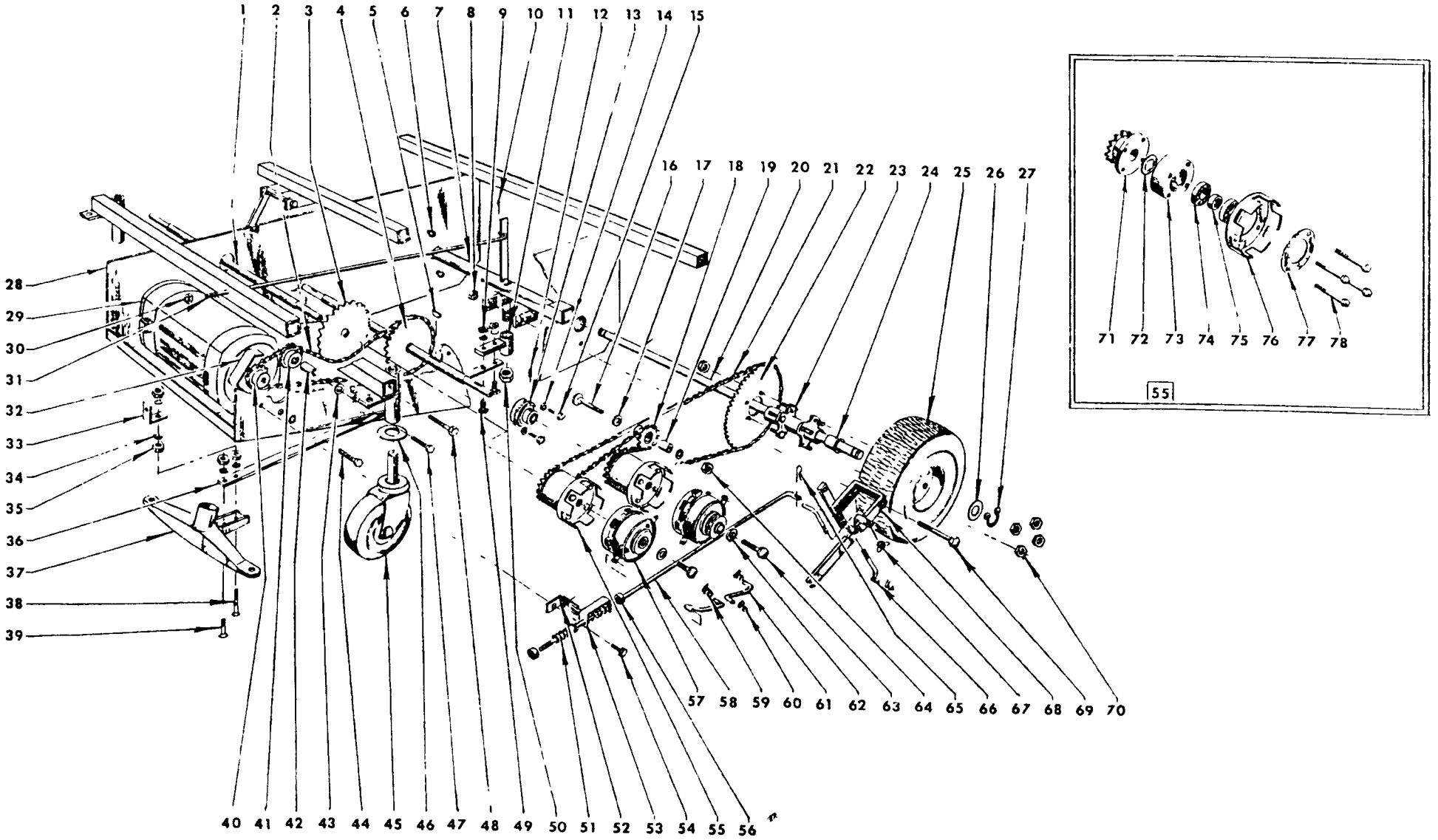

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56
57 58 59 60 61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78
55

FIGURE A 5/73

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE A

Ref. No.	Part Number	Description	No. Req'd.
1	48999	Clutch Shaft	1
2	49234	Chain - Primary Drive	1
3	49004	Sprocket - Clutch Shaft - 40 Tooth	1
4	49005	Sprocket - Clutch Shaft - 45 Tooth	1
5	49017	Woodruff Key - #606	6
6	48953	Stud - Ball Joint	8
6	03372	Nut - 3/8-24 Center Lock	4
7	32800	Tube Assembly - Squeegee Adjustment	1
8	03368	Nut - 3/8-16 - Flex Lock	2
9	03349	Nut - 5/16-18 Hex	2
9	04212	Lockwasher - 5/16	2
10	04297	Cotter Pin	1
11	32498	Pivot Assembly - Squeegee	1
12	05225	Set Screw - 10-32 x 1/4	8
13	27196	Bearing - Clutch Shaft	4
14	05241	Washer - 21/64 x 1 x 16 Ga.	8
15	01338	Screw - 5/16-18 x 5/8 Hex Head	10
16	02347	Carriage Bolt	2
17	04318	Washer - 3/8 ID x 1-1/16 OD x 11 Ga.	2
18	49003	Sprocket - Idler	2
19	48997	Idler Shaft - Final Drive	2
20	48483	Axle	1
21	49019	Chain - Final Drive - #40	2
22	49006	Sprocket - 60 Tooth - 1/2 Pitch - #40 Chain	2
23	49020	Hub & Bushing Assembly (Includes Ref. No. 24)	2
24	27193	Bushing	4
25A	32758	Wheel Assembly Complete (Incl. Ref. No's. 22 thru 25 & 70)	2
25	49021	Wheel & Tire Assembly	2
26	04317	Washer - 1" ID x 1-1/2 OD x 24 Ga.	-
27	48537	Snap Ring	2
28	32756	Lower Chassis Weldment	1
29	23308	Traction Motor	1
29	26642	Carbon Brush - Traction Motor (Service Only)	4
29	26643	Brush Ring Assembly - Traction Motor (Service Only)	1
30	03378	Nut - 5/16-18 Flex Lock	1
31	48169	Rod - Squeegee Adjustment	1

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE A

Ref. No.	Part Number	Description	No Req
32	48996	Spacer Bar - Motor	1
33	49009	Bracket - Squeegee Lift	1
34	04214	Lockwasher - 3/8	1
35	03294	Nut - 3/8-16 Hex Jam	1
36	48534	Spring - Squeegee	1
37	48507	Cap - Squeegee	1
38	02342	Screw - 3/8-16 x 3 Flat Head	1
39	03233	Screw - 3/8-16 x 1-1/2 Flat Head	1
40	49233	Sprocket - Motor - 15 Tooth	1
41	48545	Sprocket - Idler - 13 Tooth	1
42	48998	Idler Shaft	1
43	04346	Washer - 5/16 x 1-1/4 x 11 Ga.	5
44	03251	Screw - 5/16-18 x 1-3/4	2
44	04212	Lockwasher - 5/16 - Medium Spring	2
45	32455	Caster Assembly	2
46	04380	Washer - 1" ID x 1-7/8 OD x 12 Ga.	2
47	02346	Screw - 5/16-18 x 1" - Hex Head Nyloc	1
48	02267	Screw - 1/4-20 x 1-1/2 Hex Head	2
48	02278	Lockwasher - 1/4	2
48	05419	Nut - 1/4-20 Hex	2
49	03249	Screw - 5/16-18 x 1-1/4 Hex Head	2
50	03370	Nut - 1/2-13 Flex Lock	1
51	48979	Centering Spring	1
52	32775	Spring Stop Assembly	2
53	48988	Bracket - Centering Spring	2
54	01338	Screw - 5/16-18 x 5/8 Hex Head - Taptite (See Ref. No. 15)	-
55	32757	Clutch - Sprocket Assembly (See Insert)	4
56	48987	Collar - Centering Spring	4
57	49016	Clutch Assembly	4
58	49008	Actuator Rod - Clutch	2
59	49012	Clip - Left Hand Clutch Rod	4
60	49011	Clip - Right Hand Clutch Rod	8
61	49014	Clutch Rod - Lower	4
62	04346	Washer (See Ref. No. 43)	-
63	03244	Screw - 5/16-18 x 3/4 Hex Head	4
64	05279	Nut - 3/8-16 Nyloc	4

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

PARTS LIST

FIGURE A

Ref. No.	Part Number	Description	No. Req'd
64	05219	Washer - 3/8 x 1 x 16 Ga.	2
65	04360	Hairpin - (Cotter)	2
66	49013	Clutch Rod - Upper	4
67	03358	Wingnut - 10-24	4
68	32754	Clutch Linkage Assembly	2
69	03268	Screw - 3/8-16 x 3 Hex Head	2
70	03372	Nut - 3/8-24 Center Locking	8
71	49001	Sprocket - Clutch	4
72	04422	Spring Washer	4
73	49002	Spacer - Clutch Sprocket	4
74	27195	Bearing	8
75	48983	Spacer - Bearing	4
76	48984	Drive Cup - Clutch	4
77	49010	Retaining Washer	4
78	02267	Screw - 1/4-20 x 1-1/2 Hex Head	16
78	02278	Lockwasher - 1/4 Medium Spring	16

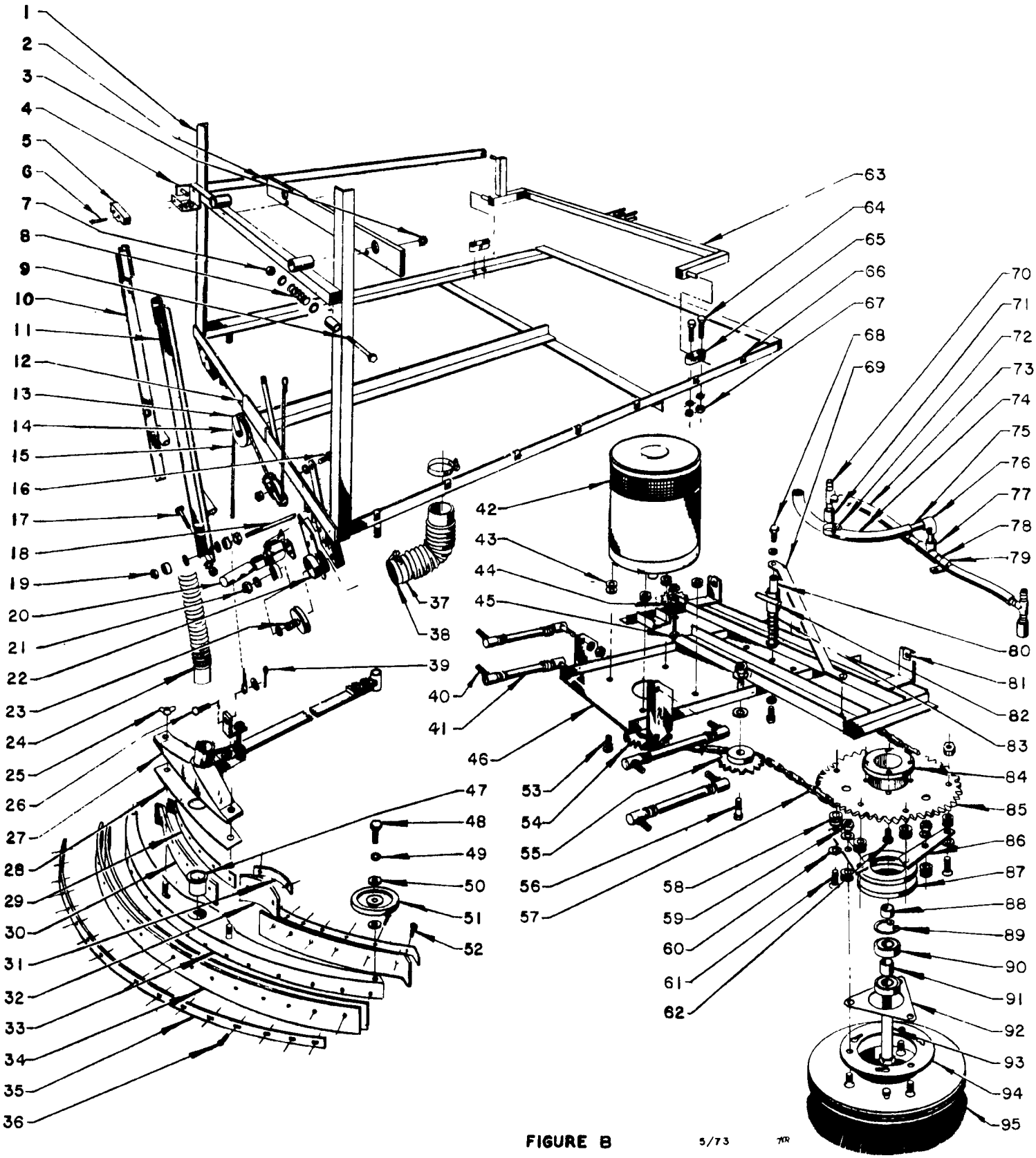

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95

FIGURE B 5/73

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE B

Ref. No.	Part Number	Description	No Req
1	32622	Frame Assembly - Upper	1
2A	32580	Support Assembly - Battery (Includes No's. 2 & 3)	1
2	48412	Pad - Battery Support	1
3	03375	Tee Nut - 5/16-18	2
4	32701	Connecting Bar Assembly - Brush Lift	1
5	26515	Switch - Brush Motor	1
6	05261	Screw - 6-32 x 1-1/4	2
6	04200	Washer - #6 Flat - Brass	2
6	04250	Lockwasher #6	2
6	03274	Nut - 6-32 Hex	2
7	03368	Nut - 3/8-16 Flex Lock Hex	2
7	05483	Washer - 3/8 ID x 1" OD x .083	4
8	48206	Spring	2
9	03268	Screw - 3/8-16 x 3" Hex Head	2
10	32491	Control Lever Assembly - Left	1
11	32490	Control Lever Assembly - Right	1
12	48178	Wear Strip - Cable	1
13	48176	Cable Guard	2
14	48174	Pulley - Squeegee Lift Cable	2
15	48779	Cable - Squeegee Lift	1
16	02269	Screw - 1/4-20 x 1-1/4 Hex	2
16	05433	Washer	2
16	02278	Lockwasher	2
16	05419	Nut - 1/4-20 Hex	2
17	03267	Screw - 3/8-16 x 2-5/8 Hex Head	2
17	03368	Nut - 3/8-16 Flex Lock	2
18	49008	Actuator Rod - Clutch (See Ref. No. 58 - Figure A)	-
19	03389	Nut - 5/16-24 Hex	4
19	48986	Cushion - Control Rod	4
19	04218	Washer - 21/64 x 3/4 x 16 Ga.	4
20	48047	Drain Clamp	2
21	03349	Nut - 5/16-18 Hex	2
21	04212	Lockwasher - 5/16	2
22	32489	Bracket Assembly - Dump Valve	2
23	05223	Screw - 5/16-18 x 1-1/2 Hex	2
23	48097	Disc - Dump Valve	2

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE B

Ref. No.	Part Number	Description	N Rc
23	48140	Gasket - Dump Valve	
23	05284	Washer - 11/32 x 11/16 x ..072	A
23	04221	Washer - 21/64 x 1" x 20 Ga.	
24A	32547	Hose Assembly - Vacuum	
24	48271	Vac Hose	
24	16425	Cuff - Vac Hose	
25	03289	Wing Nut	
26	04383	Clevis Pin - 3/8 Dia. x 5/8 Long	
27	32634	Squeegee Spring Assy. (For component parts see Fig. A)	
28	48652	Gasket - Squeegee	
29	48528	Clamp - Front	
30	48527	Rubber - Front	
31	48164	Clamp - Front Center	
32	48165	Rubber - Front Center	
33	48524	Body - Squeegee	
34	48525	Rubber - Rear	
35	48526	Clamp	
36	05482	Screw - 10-24 x 7/8 Rd. Hd. - Rear Rubber	1
37	44112	Clamp - Dump Hose	
38	48783	Dump Hose	
39	04298	Cotter Pin - 1/8 Dia. x 3/4 Long	
40	48953	Ball Joint (See Fig. A - Ref. No. 6)	
41	49027	Ball Joint Link	
42	23306	Motor - Brush Drive	
42	26641	Brush Ring Assembly - Brush Motor (Service Only)	
42	26640	Carbon Brush - Brush Motor (Service Only)	
43	05483	Washer - 3/8 x 1 x .081 (2 each Motor Bolt)	
44	32735	Idler Sprocket Assembly	
45	05424	Screw - 3/8-16 x 2 Hex Head	
45	04224	Washer	A
45	05279	Nut - 3/8-16 Hex Nyloc	
46	32613	Frame Assembly	
47	48765	Sleeve - Squeegee	
48	03244	Screw - 5/16-18 x 3/4 Hex Head	
49	04212	Lockwasher - 5/16	
50	04219	Washer - 21/64 x 5/8 x 20 Ga.	

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE B

Ref. No.	Part Number	Description	No. Req'd
51	47483	Bumper Wheel	2
52	05473	Screw - 10-24 x 5/8	17
53	01356	Screw - 3/8-16 x 3/4 Allen Button Head	4
54	48229	Sprocket - Motor - 13 Tooth - 5/8 Bore	1
54	40673	Key - 3/16 Square x 1" - Motor Sprocket	1
55	32735	Sprocket Assembly (See Ref. No. 45)	-
56	02324	Screw - 3/8-16 x 1-3/4 Hex Head	1
56	05483	Washer - 3/8 ID x 1" OD x .081	2
56	03372	Nut - 3/8-16 Hex - Center Locking	1
57	48478	Chain (Includes Connecting Link 48247)	1
58	04336	Washer - 17/64 x 7/8 x 1/8	60
59	03283	Nut - 1/4-20 Hex	18
60	04336	Washer (See Ref. No. 58)	-
61	02256	Screw - 1/4-20 x 1" Hex Head	18
61	02278	Lockwasher - 1/4	18
62	02243	Screw - 1/4-20 x 5/8 Hex Head	8
62	02278	Lockwasher - 1/4	8
63	32627	Brush Lift Assembly	1
64	05223	Screw - 5/16-18 x 1-1/2 Hex Head	4
65	46854	Block - Mounting	2
66	03364	Speed Nut Fastener - 1/4-20	14
67	03349	Nut - 5/16-18 Hex	4
67	04212	Lockwasher - 5/16	4
68	03262	Screw - 3/8-16 x 1 Hex Head	2
68	04214	Lockwasher - 3/8	2
69	48479	Brace - Brush Head Support	1
70A	32612	Solution Line Assembly (Includes No's. 70 thru 79)	1
70	48606	"T22" - Hose Fitting	2
71	48607	Hose - 1-1/2" Long	2
72	47834	Hose Clamp	2
73	48505	Hose - Solution Line - 6-3/4" Long	2
74	48819	Hose - Solution Line - 18" Long	1
75	48233	Tube - Solution Line - 1-1/4" Long	2
76	48237	Elbow - Coupling	1
77	47459	Tee - Coupling	1
78	48235	Tube - Solution Line - 1-5/8 Long	2

WHEN ORDERING PARTS * Please furnish Model, Part Number & Serial Number

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE B

Ref. No.	Part Number	Description	No Req
79	40894	Clamp	1
80	48480	Shaft - Brush Lift	1
81	03374	Speed Nut - Clip On Type	2
82	32614	Yoke Assembly - Brush Lift	1
83	48481	Spring - Brush Lift Shaft	2
84A	32644	Br. Sprocket Assy. - R. (No's. 58 thru 62 & 84 thru 94A)	1
84B	32645	Br. Sprocket Assy. - L. (No's. 58 thru 62 & 84 thru 94B)	1
84	48604	Hub - Brush Sprocket	2
85	48053	Sprocket - Brush Drive - 72T	2
86	48413	Strap - Brush Ring	6
87	46764	Brush Support	4
88	48608	Spacer - Upper	2
89	48587	Retaining Ring	2
90	27188	Bearing	4
91	48566	Spacer - Bearing	2
92	48414	Plate - Brush Ring Support	2
93	48576	Shaft - Brush Drive	2
94A	32595	Ring Assembly - Brush Drive - Right	1
94B	32594	Ring Assembly - Brush Drive - Left	1
95	20274	Brush Assembly - Bassine (Scrubbing)	2
		OPTIONAL BRUSHES & PADS	
	20275	Brush - Mixed (Polishing)	2
	20276	Brush - Nylon (Scrubbing)	2
	20277	Brush - Palmetto	2
	20278	Brush - Steel Wire	2
	20285	Pad Holder Assembly	2
	15659	Pad - Stripping (Black)	2
	15660	Pad - Scrubbing (Green)	2
	15661	Pad - Buffing (Brown)	2

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

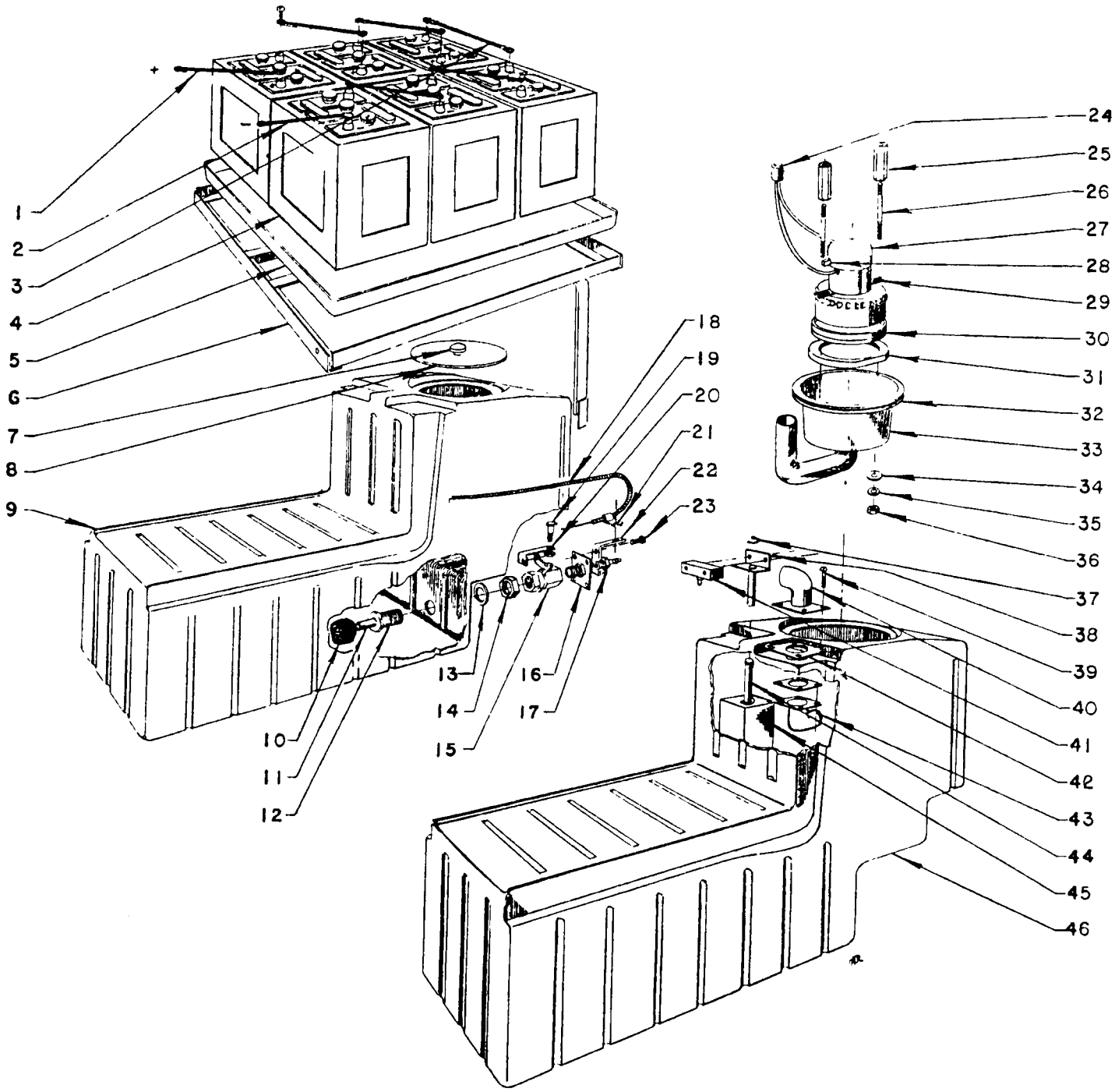

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46

FIGURE C 5/73

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE C

Ref. No.	Part Number	Description	No. Req'd
1	25275	Cable - Battery - 7-1/2" Long (Red)	1
2	25085	Cable - Battery - 7-3/4" Long (Black)	5
3	25274	Cable - Battery - 12" Long (Black)	1
4	26568	Battery - (Pack of 6) (Dry)	1
5	48533	Battery Tray	1
6	32686	Battery Support Frame	1
7	48022	Knob - Cover - Water Tank	1
8	48246	Cover - Water Tank	1
8A	32535	Cover Assembly - Water Tank (Includes No's. 7 & 8)	1
9A	32632	Tank Assembly Complete - Clean Water	1
9	48519	Tank - Clean Water	1
10	48848	Line Strainer	1
11A	32714	Brass Fitting Assembly (Includes No's. 11 & 12)	1
11	04385	Roll Pin	1
12	48776	Brass Fitting - Water Valve	1
13	48777	Gasket - Water Valve Fitting	1
14	06109	Nut - 3/4 Pipe	1
15	48654	Water Valve	1
16	06019	Bushing	1
16	48510	Plate	1
16	06108	Locknut	1
17	48688	Adapter - 1/2 Hose - 1/2 Pipe - Brass	1
18	32548	Cable & Lever Assembly - Water	1
19	44826	Connector - Water Valve Cable	1
20	44811	Lever - Water Valve	1
21	42113	Clamp - Water Cable	1
22	48511	Bracket - Water Cable	1
23	01295	Screw - 10-24 x 5/8 Round Head	2
23	04253	Lockwasher #10	2
23	03279	Nut - 10-24 Hex	2
24	26555	Connector (Male Half)	1
25	48843	Tie Down Bar - Vac Pan	2
26	47366	Stud - Motor Mount	2
27A	32533	Vac Motor Assembly (Includes No's. 22 & 25)	1
27	23956	Vac Motor	1
28	26523	Brush Mechanism - Vac Motor (Service Only)	2

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

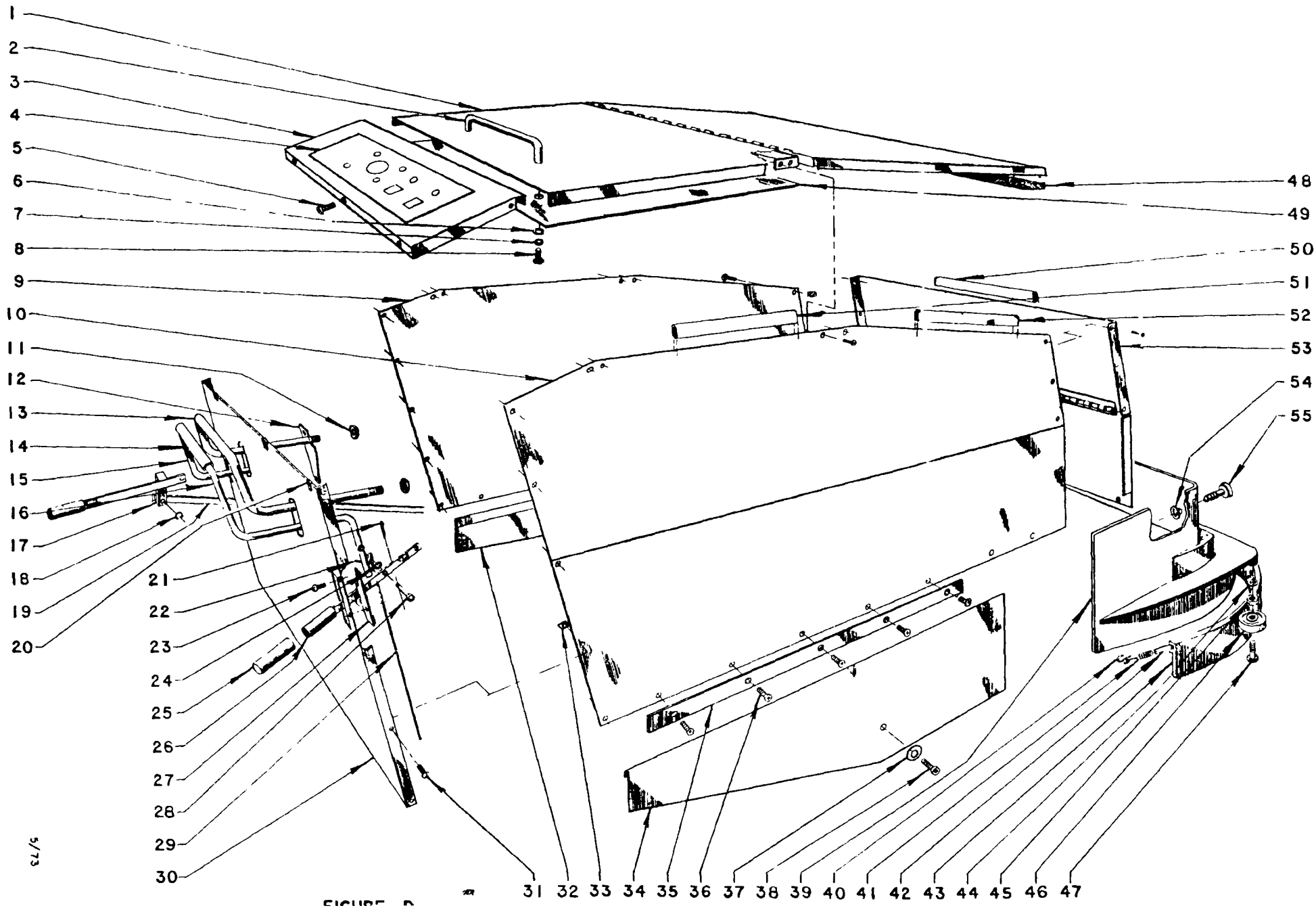
26" BATTERY AUTOMATIC

PARTS LIST

FIGURE C

Ref. No.	Part Number	Description	No. Req'd
29	47348	Lug - Motor Mount	2
30	46817	Filter Assembly	1
31	48245	Gasket - Vac Motor	1
32	48563	Gasket - Vac Pot	1
33	48239	Vac Pot	1
34	47480	Gasket - Rubber	2
35	04226	Washer - 3/8 x 1-1/8 x 20 Gauge	2
36	03279	Nut - 10-24 Hex	2
37	48512	Snap Ring	3
38	32711	Bracket Assembly - Float Switch	1
39	05457	Screw - 10-24 x 1" Pan Head	4
39	05407	Washer	6
39	05297	Lockwasher	6
39	03279	Nut - 10-24 Hex	6
40	32542	Elbow - Upper	1
41	26585	Switch - Float Shut Off	1
42	48257	Gasket	2
43	32543	Elbow Assembly - Lower	1
44	48513	Rod - Float	1
44	05526	Washer	2
45	48502	Float	1
45A	32693	Float Assembly (Includes No's. 37, 44 & 45)	1
46	48514	Vac Tank	1
46A	32631	Vac Tank Assembly (Includes No's. 37 thru 46)	1

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
48
49
50
51
52
53
54
55

5/73

26" BATTERY AUTOMATIC

PARTS LIST

FIGURE D

Ref. No.	Part Number	Description	No. Req'd
1	32747	Cover Assembly - Complete	1
2	48071	Handle	1
3	48531	Instrument Panel	1
4	48532	Label - Instrument Panel	1
5	02334	Screw - 1/4-20 x 3/4 Round Head	12
6	05213	Washer - 17/64 x 9/16 x 16 Ga.	2
7	02278	Lockwasher - 1/4 Medium Spring	8
8	02243	Screw - 1/4-20 x 5/8 Hex Head	2
9	48672	Panel - Left Side	1
10	48671	Panel - Right Side	1
11	03369	Nut - 5/8-11 Hex Jam	2
12	48788	Plate - Handle Lock - Up	1
12A	48789	Plate - Handle Lock - Down	1
13	48172	Squeeze Bar	1
14A	32513	Control Rod Assembly	1
14	48173	Handle	1
15	48190	Control Rod - Left	1
16	48171	Control Rod - Right	1
17	32640	Handle Assembly - Brush Lift	1
18	04351	Retaining Ring	2
19	32701	Connecting Bar - Brush Lift (See Fig. B - Ref. No. 4)	-
20	03380	Speed Nut Fastener - 1/4-20	5
21	04298	Cotter Pin - 1/8 x 3/4 Long	2
22	04364	Roll Pin - 1/8 x 1	2
23	05478	Screw - 1/4-20 x 5/8 Round Head	6
23	02278	Lockwasher - 1/4 Medium Spring	8
23	03283	Nut - 1/4-20 Hex Jam	6
24	05320	Washer - 3/8 ID x 3/4 OD	3
25	46652	Handle Grip	2
26	32492	Handle Assembly - Squeegee Lift	1
27	32544	Squeegee Lock Assembly	1
28	04361	Clevis Pin - 3/8 Dia. x 5/8 Long	1
29	48779	Cable - Squeegee Lift (See Fig. B - Ref. No. 15)	1
30	48520	Panel - Rear	1
31	01372	Screw - 10-24 x 1/2 Pan Head	22
32	48681	Panel - Lower Left	1

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

PARTS LIST

FIGURE D

Ref. No.	Part Number	Description	No Req
33	03381	Speed Nut Fastener - #10 Thread	22
34	48680	Panel - Lower Right	1
35	48078	Spacer Bar	2
36	02252	Screw - 1/4-20 x 3/4 Flat Head	10
37	04331	Washer - 1/2 ID x 1-1/2 OD - Nylon	2
38	05471	Screw - 1/2-13 x 1 Socket Head	2
39A	32635	Brush Cover Assembly - Complete	1
39	48477	Brush Cover	1
40	46866	Clip	2
41	46861	Spring	2
42	48503	Band - Insert	1
43	48523	Splash Guard - Brush Cover	1
44	04215	Lockwasher - 3/8 External Tooth	1
45	03295	Nut - 3/8-16 Hex Jam	1
46	49261	Wheel - Bumper	1
47	02332	Screw - 3/8-16 x 1-3/4 Hex Head	1
48	48825	Gasket - Lid	1
49	48506	Battery Cover	1
50	48710	Wear Strip - Upper Front Panel	1
51	48683	Wear Strip - Side Panel - Rear	2
52	48682	Wear Strip - Side Panel - Front	2
53	32745	Front Panel Assembly	1
54	04376	Retainer Washer	2
55	03373	Wing Screw Fastener	2

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

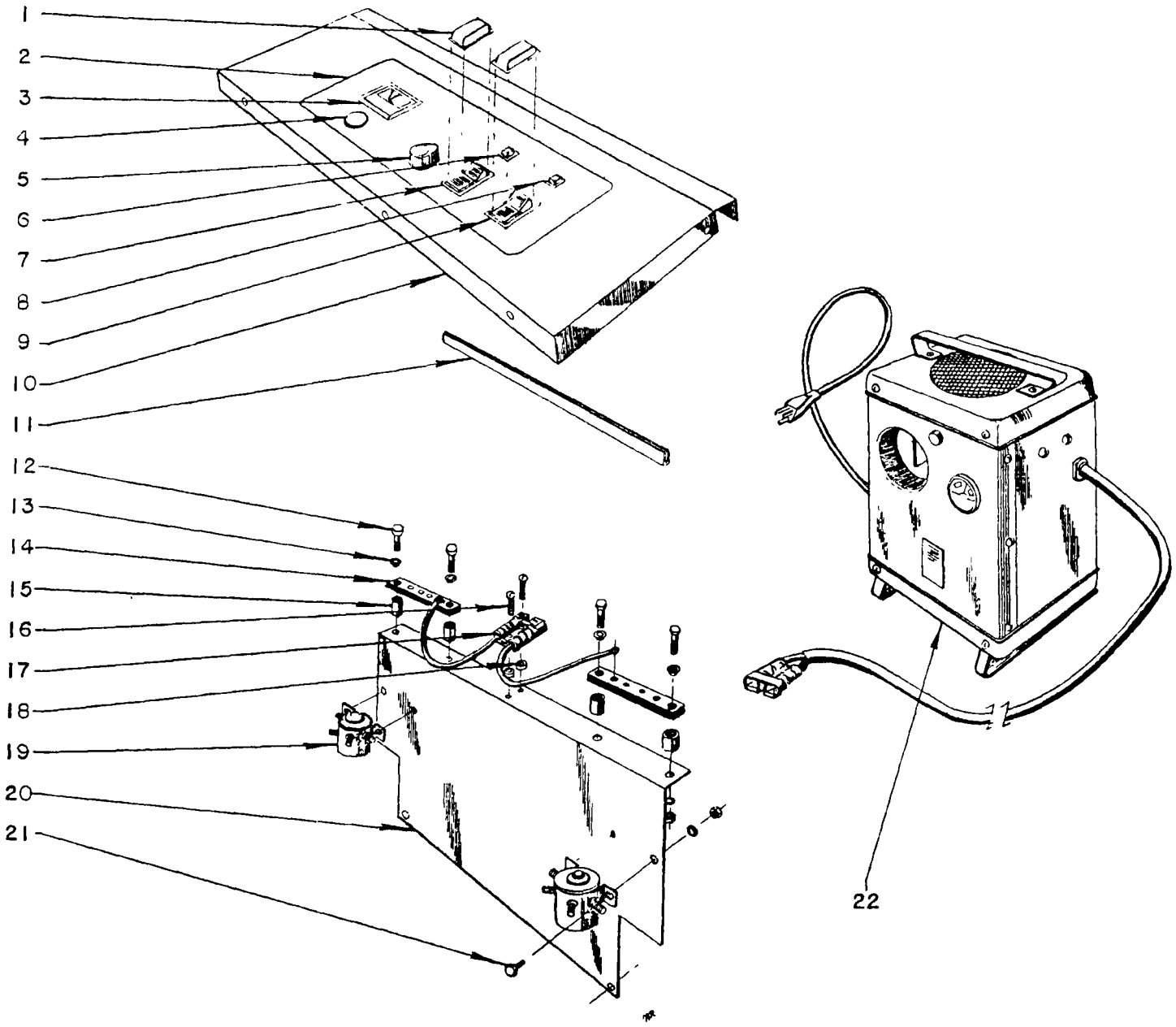


FIGURE E 5/73

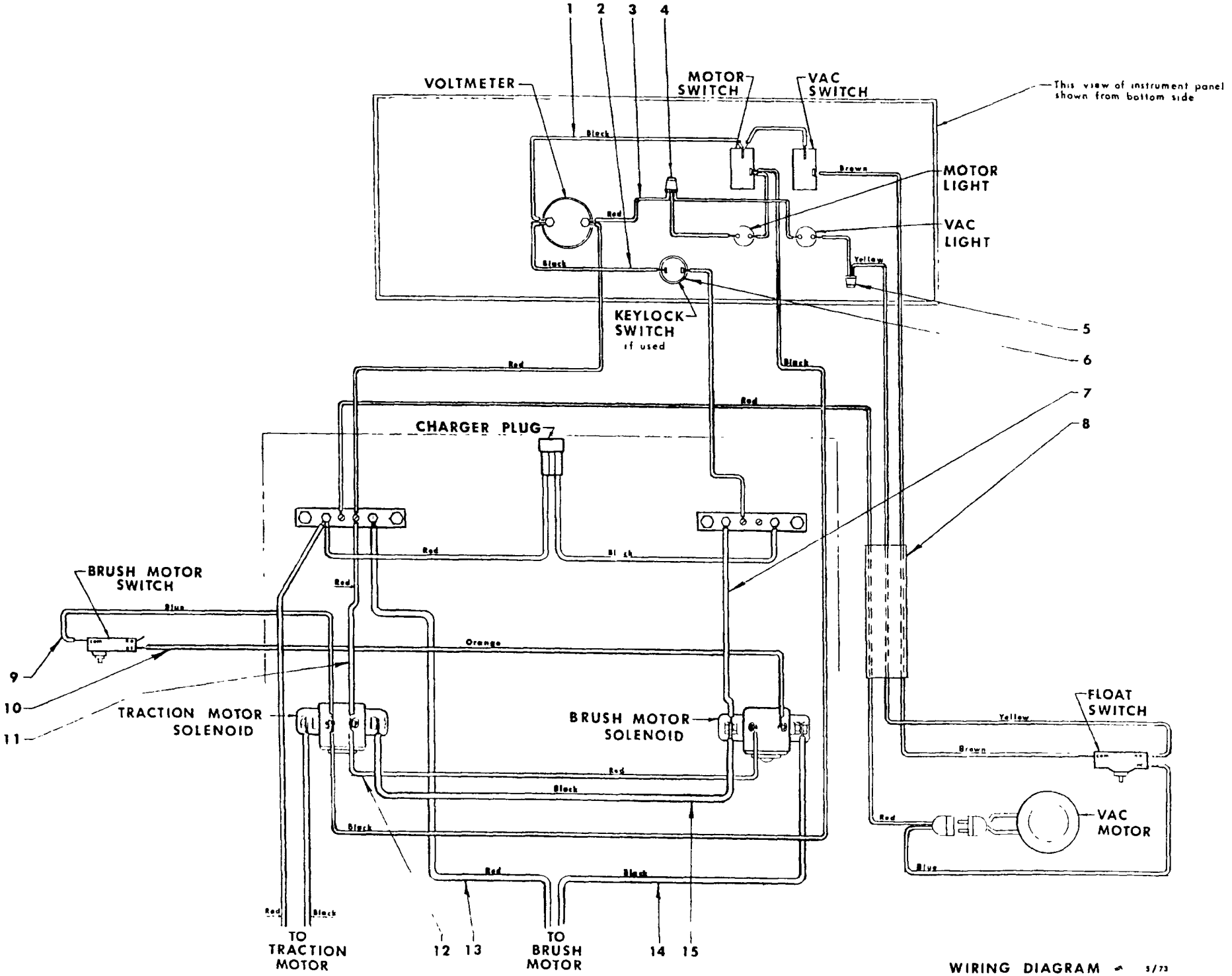
26" BATTERY AUTOMATIC

PARTS LIST

FIGURE E

Ref. No.	Part Number	Description	No. Req'd
1	48653	Cover - Switch	2
2	48532	Label - Instrument Panel	1
3	26503	Voltmeter	1
4	46156	Plug Button	1
5	46008	Knob - Water Control	1
6	25245	Pilot Light Assembly - Red	1
7	26469	Switch - Red	1
8	26508	Pilot Light - Amber	1
9	26466	Switch - White	1
10	48531	Panel - Instrument	1
11	47925	Guard - Plastic	2
12	03237	Screw - 1/4-20 x 1-3/8 Hex Head	4
12	02278	Lockwasher - 1/4	4
12	03283	Nut - 1/4-20 Hex	4
13	04369	Nylon Shoulder Washer	4
14	48269	Terminal Bar	2
15	48268	Standoff - Terminal Bar	4
16	01248	Screw - 6-32 x 1" Round Head	2
16	04250	Lockwasher - #6	2
16	03274	Nut - 6-32 Hex	2
17	32664	Charger Plug Assembly (Includes Ref. No. 15)	1
18	46425	Spacer - 1/4 ID x 1/2 OD x 1/4 Long Fibre	2
19	26504	Solenoid	2
20	48270	Junction Panel	1
20A	32546	Junction Panel Assy. Comp. (See Fig. B - Ref. No. 4)	1
21	03242	Screw - 5/16-18 x 1/2 Hex Head	4
21	04212	Lockwasher - 5/16	4
21	03349	Nut - 5/16-18 Hex	4
22	32565	Battery Charger	1
	28806	Fuse - 32V Battery Charger	

WHEN ORDERING PARTS - Please furnish Part Number, Model & Serial Number



WIRING DIAGRAM 5/73

FIGURE F

PARTS LIST

FIGURE F

Ref. No.	Part Number	Description	No Req
1	25244	Wire Assembly 9-1/2" Long w/5" Jumper (Black)	1
2	25272	Wire Assembly (Black)	1
3	25258	Wire Assembly 12" Long w/7" Jumper (Red)	1
4	26400	Wire Nut (3-Wire - 74B)	1
5	26464	Wire Nut (2-Wire - 73B)	1
6	25295	Key Lock Switch (Optional)	1
7	25085	Wire Assembly (Black)	1
8	25231	Wire Harness Assembly - Vac Tank	1
9	25273	Wire Assembly (Blue)	1
10	25271	Wire Assembly (Orange)	1
11	25246	Wire Assembly - 4" Long (Red)	1
12	25247	Wire Assembly - 12" Long (Red)	1
13	25341	Wire Assembly (Red)	1
14	25340	Wire Assembly (Black)	1
15	25274	Wire Assembly - 12" Long (Black)	1

WHEN ORDERING PARTS - Please furnish Model, Part Number & Serial Number

MAINTENANCE CHECK LIST

A. Machine will not move -

Possible Cause:	How to Correct:
1. Loose wire.	1. Reconnect.
2. Battery condi ion low.	2. Check voltmeter and charge batteries.
3. Clutch requires adjustment.	3. Adjust per instructions in this catalog.

B. Brush Dr. Motor will not start -

Possible Cause:	How to Correct:
1. Brush Drive Switch Ref. 5 - Fig. B.	1. Replace switch.
2. Loose wire.	2. Reconnect.
3. Battery condition low.	3. Charge batteries.
4. Thermal Protector tripped.	4. Reset by pushing red button.

C. Machine Streaking a Cleaned Floor -

Possible Cause:	How to Correct:
1. Foreign materials lodged under rear squeegee blade.	1. Raise squeegee and clean blade.
2. Insufficient water flow to brushes.	2. Clean screen in fresh solution tank and eliminate any restrictions in lines.
3. Worn squeegee blades.	3. Replace squeegee blade.
4. Worn brushes or pads.	4. Replace brushes or pads.
5. Improper squeegee pressure.	5. Adjust per instructions in this catalog.

D. Solution not being properly picked up -

Possible Cause:	How to Correct:
1. Clogged pick-up tube.	1. Remove accumulations.
2. Lint filter Ref. No. 30 - Fig. "C" dirty.	2. Clean lint filter.
3. Air leaks around vac motor.	3. Examine gasket for damage or warped motor well.

E. Short Operating Time -

Possible Cause:	How to Correct:
1. Battery charge condition very low.	1. Recharge batteries fully before beginning operations.
2. Constant brush operation - strip position.	2. Use strip-brush cleaning position sparingly.
3. Corroded wires or connectors.	3. Clean thoroughly.

SERVICE DIAGNOSIS - MAINTENANCE CHECK LIST:

F. Machine pulls to one side -

Possible Cause:	How to Correct:
1. Squeegee dragging only on one side.	1. Examine squeegee rod.
2. One clutch over-driving the other.	2. Adjust clutch per instructions in this catalog.
3. Low tire pressure.	3. Increase tire pressure to 60 lbs.

G. Machine creeps -

Possible Cause:	How to Correct:
1. Clutch out of proper adjustment.	1. Adjust clutch per instructions in this catalog.
2. Linkage requires lubrication.	2. Lubricate all linkage pivot points.

H. Loud noise when brush motor turns ON -

Possible Cause:	How to Correct:
1. Chain too tight or too loose.	1. Adjust tension.
2. Dry chain.	2. Lubricate per instructions in this catalog.

I. Squeegee lever does not pick up squeegee -

Possible Cause:	How to Correct:
1. Squeegee cable Ref. No. 15 - Fig. "B" off of pulleys.	1. Place cable in pulleys once again.
2. Squeegee height requires adjustment.	2. See adjustment instructions in this catalog.

J. Charger will not come ON -

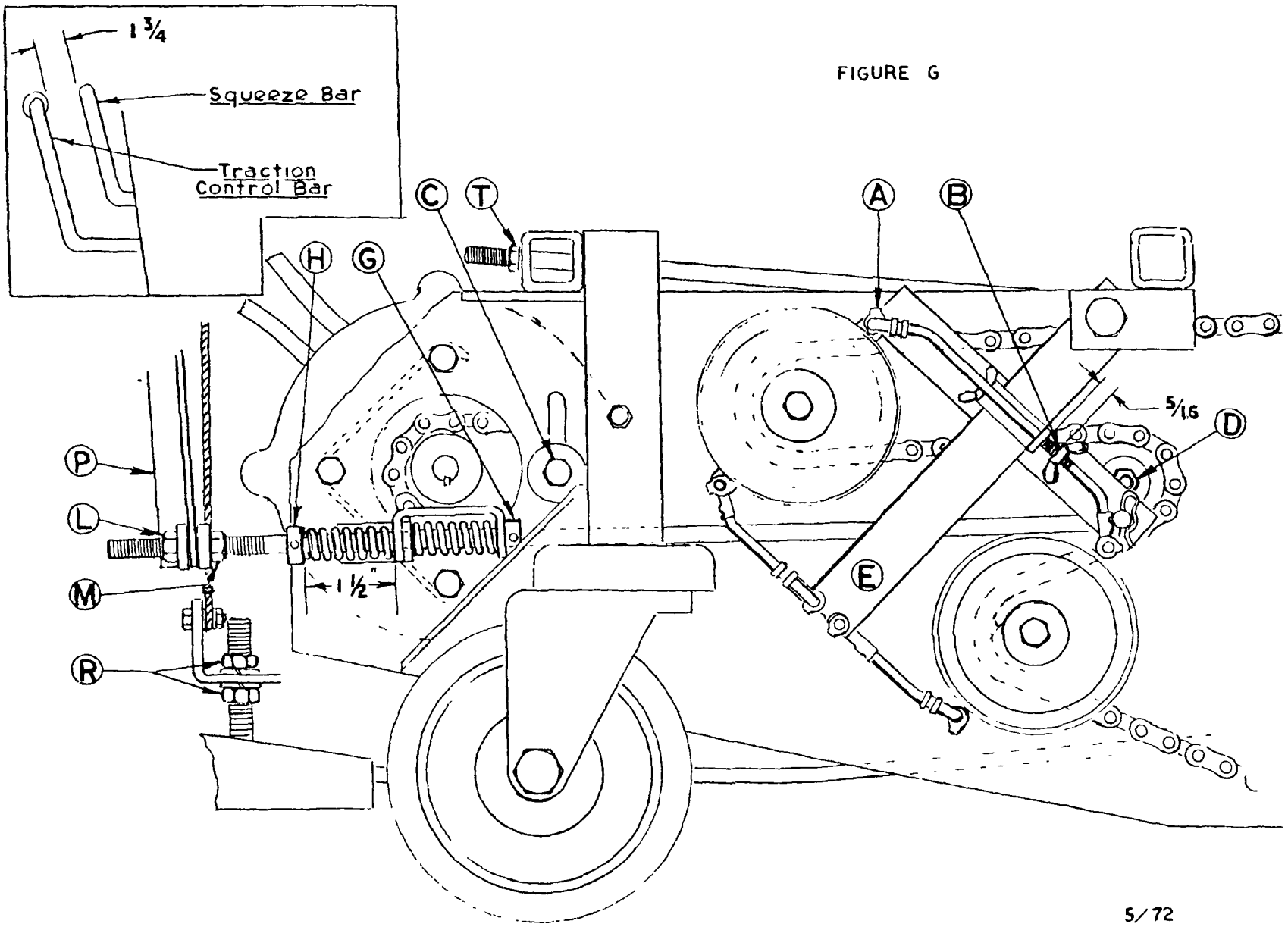
Possible Cause:	How to Correct:
1. DC or AC cords not connected.	1. Connect.
2. Fuse defective.	2. Replace fuse #28795.
3. Polarity reversed.	3. Correct situation so voltmeter on instrument panel reads correctly.

K. Brush Head will not lift -

Possible Cause:	How to Correct:
1. Loose wire or defective switch.	1. Check and connect or replace.

Any questions that might arise, not covered by this manual, contact the nearest Kent Distributor or write directly to Keltec Inc., - Elkhart, Indiana - 46514.

FIGURE G



5/72