SWEEPSTER®
POWER SWEEPER

C-48 & B-60

Owner's Manual and Parts List

SWEEPSTER® Inc.
Jenkins Equipment Co.

2810 Baker Road
Dexter, Mich. 48130
Ph:(313)-426-3961

Form No. 51-0002 Serial No. 67545 and Higher Price $ 1.50

To the Owner

The SWEEPSTER Broom was carefully designed and manufactured to give years of dependable service. To receive the best possible efficiency and long use of unit, read the instructions carefully. Each section in the owners manual is clearly identified so it is easier to find the information needed, installation, operation, lubrication, or service.

This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read message that follows.

"Right hand" and "left hand" sides are taken as if seated on the tractor seat.

°SAFETY°

⚠ DANGER

OWNER'S MANUAL

Do not operate sweeper without reading the owner's manual and operating instructions completely to become familiar with the operation of the sweeper. If operating instructions are missing, contact SWEEPSTER, INC.

SAFETY GLASSES

SAFETY GLASSES MUST BE WORN AT ALL TIMES BY OPERATOR AND ANYONE WITHIN THE DISCHARGE AREA OF THE BRUSH WHEN UNIT IS IN USE. Dust and debris can be easily thrown into the operator's face or into bystander's faces within the discharge area. Always sweep with the wind, a strong wind can blow debris at the operator or bystanders.

OTHERS

All personnel must be clear of brush and clear of all moving parts before operating sweeper. Keep hands and feet away from all power take-off shafts, pulleys, v-belts, gearboxes, chains, sprockets and universal joints. ALWAYS KEEP ALL SHIELDS ATTACHED TO THE UNIT.

NO RIDERS

ALLOW NO RIDERS ON THE SWEEPER UNIT OR ON THE VEHICLE THE SWEEPER UNIT IS MOUNTED TO.

CHILDREN

NEVER LET CHILDREN OPERATE THE SWEEPER. Although it is fairly simple to operate, some situations may arise that will require a mature response.

CLOTHING

Be especially careful of loose clothing. The loose material can easily be caught up in the rotating parts of the power broom and tractor. ALWAYS KEEP ALL SHIELDS ATTACHED TO THE UNIT.

TURN OFF BROOM

Do not leave broom running when you get off the tractor. Do not allow anyone to work or go near the broom when it is running. Shut off broom and tractor. Keep work area uncluttered to prevent accidents. Don't use power tools in damp or wet locations, and keep area well lit. Don't force a small tool to do the job of a heavy duty tool. Use the right tool for the job. Always use safety glasses when working on unit. Keep anyone that is not working on the unit at a safe distance.

OPENINGS & DROPS

Do not operate broom within six feet of roof edges or openings and vertical drops.

POLY

Keep polypropylene material away from intense heat and flame.

LIMITED WARRANTY

For 90 days from date of delivery to original purchaser, SWEEPSTER, Inc. will replace for the original purchaser, free of charge, any part or parts, except those which are part of any internal combustion engine, found upon examination by a Factory Authorized Service Center and/or the Factory at Dexter, Michigan to be defective in workmanship or material or both. Internal Combustion Engines are warranted by their respective manufactures. Reference should be made to that manufacturer's warranty policy for procedure to follow with respect thereto.

This warranty is not a service guarantee, nor is it any assurance that the product is perfectly designed or perfectly built; neither is it an expression of any belief that the product cannot be improved. Further, this warranty is not a guarantee against hazards such as wear, tear, misuse or misfortune nor against problems arising from incorrect set-up or servicing and it is not a guarantee that the performance will meet the expectation of the purchaser.

This warranty is void should the product be repaired or modified in any way not authorized by SWEEPSTER, INC.

There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to 90 days from delivery to the original purchaser, and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy, and liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

Final Assembly

This section is to be done only after the installation of the mounting frame is completed. Each tractor model takes a different mounting frame and is supplied with specific instructions for each one. After the mounting frame is attached to the tractor, all the installation is standard. Read through these instructions first while looking at the assembly drawing

Installation Instructions

1. Remove the drive frame from the shipment box. Position it so the angled plate on the front angles to the right side (with the gear box on the top side).

2. Bolt the frame in place. Hook up the drive line as shown with the instructions sent with the mounting frame. Adjust the two bolts between the mounting frame until the drive frame sits level with the mounting frame. Tighten down the locking nuts.

3. Position the brush head assembly in front of the drive frame previously mounted to the tractor.

***IMPORTANT NOTE: The mounting yoke is attached to the brush frame main tubing for shipment. It is important that you take note how it is positioned in the "stop blocks" welded to the bottom of the frame. The mounting yoke is removed during assembly and must be reassembled the same way.**

4. Pull the mounting yoke pins & springs from the unit and remove the mounting yoke from brush frame.

5. Bolt the mounting yoke to the front of the drive frame as in the picture. Do not tighten the two bolts at the present time. Push the frame to the right (right as you sit on the tractor) in the slots as far as it will go.

6. Raise the brush head up and set the tubing of the brush head into the "U" shaped pieces of the mounting yoke.

7. Mount the slip shaft and universal joint onto the final drive shaft of the brush head.

NOTE: Step 7 may already be completed.

8. Slide the brush head about 6" to the right and then guide the rectangular shaft into the universal joint on the gearbox. Make sure the mounting yoke sits against the stops on the brush head frame.

***IMPORTANT: If the rectangular shaft is too long or too short, one of two things must be done:**
A. Loosen all set screws on both universal joints and try to take up the extra shaft length by sliding the universal joints farther on the shaft. If this does not give enough clearance then the shaft may have to be cut to length. When cutting the shaft to length, measure from the inside of the universal joint sleeve to the inside of the other universal joint sleeve and add ½" to the measurement. Cut the shaft to this length.
B. If the shaft is too short, slide the mounting yoke (mounting yoke mounted in step 5) to the left in the slots while guiding the universal joint onto the rectangular shaft.

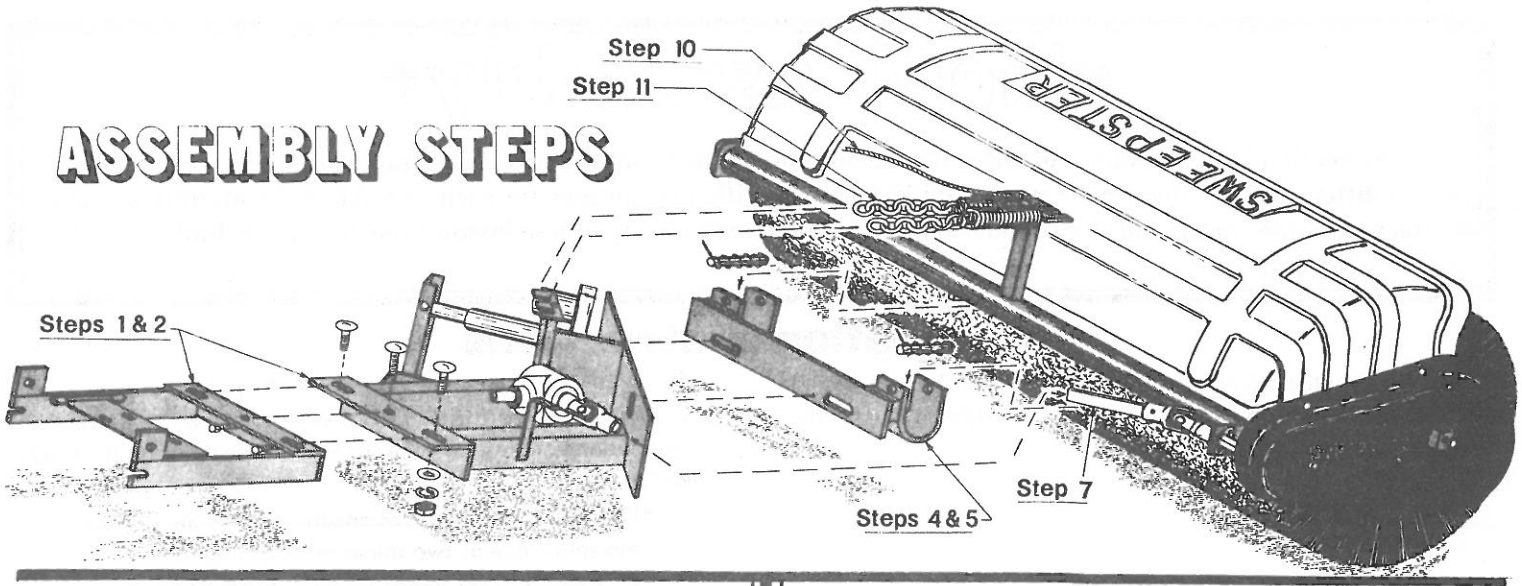
9. Install the quick hitch pins and springs in the mounting yoke to secure the brush head.

10. Connect the looped end of the lift cable to one of the slots in the upright "T" on the brush frame. Run the nonlooped end of the cable through one of the holes in the lift arm and then back through the other hole in the arm. Place the cable clamp on the cable so that the cable is clamped together. Adjust the cable so it gives 3 to 4 inches ground clearance at maximum lift. Make sure the upright which holds the springs and lift chain on the brush head does not hit on the drive frame when brush is lifted.

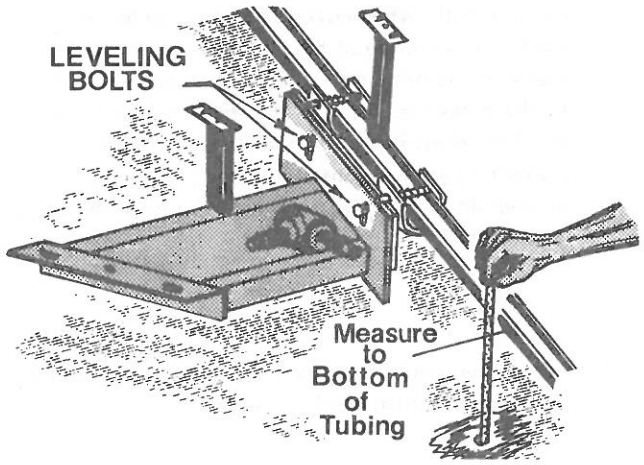
11. Raise the brush to maximum lift and connect the spring-chain assembly by hooking one of the springs to the center hole on the upright "T" on the brush head and the other spring to the slot not used by the lift cable. Drop the chain end into the slotted chain holder on the drive frame. Lower the brush head all the way. The brush should have most of the weight supported by the spring-chain assembly with just the tips of the bristles of the brush touching the ground. If the brush is too high off the ground then lower it to the next chain link in the slot of the chain holder or vice versa.

***IMPORTANT NOTE: Be sure gearbox is full of oil before operation. They are supposed to be filled before leaving the factory but in case of error fill with # 90 weight oil.**

ASSEMBLY STEPS



Leveling



The SWEEPSTER Power Broom must be leveled to maintain even brush wear and to produce efficient sweeping. If the broom is not leveled at first and periodically after that, then it puts stress on certain parts causing excessive wear. The broom is easily leveled if these simple steps are followed.

1. Drive the assembled broom onto a level paved area or cement area and lower the brush into the sweeping position with the weight on the tension springs and bristles just touching the ground.
2. Measure from brush frame tubing to the ground at each end.
3. If the measurements are not the same, slide the low side up in the slots on the mounting yoke until you get the same measurements.
4. When you get the same measurements for both ends, tighten the two bolts in the slots on the mounting yoke. Readjust the lift cable or the spring-chain assembly if necessary.

YOUR BROOM IS READY FOR OPERATION.

Operation Safety

DO NOT operate this Power Broom unless you have been instructed in the safe operation of the unit and also know and follow the safety and operating recommendations contained in the manufacturer's manuals, your employer's work rules and applicable government regulations. An uninformed operator subjects himself and others to death or serious injury.

EYES !!

Safety glasses must be worn at all times when operating the SWEEPSTER Power Broom. Dust & debris can be easily thrown back into the operator's face if consideration is not given to wind direction.

HANDS & FEET

Keep hands and feet away from all power take-off shafts, pulleys, V-belts, Gearboxes, chains, Sprockets, and Universal-Joints.

CLOTHING

Be especially careful of loose clothing. The loose materials can easily be caught up in the rotating parts of the power broom and tractor. Always keep all shields attached to the unit.

CHILDREN

Never let children operate the sweeper. Although it is fairly simple to operate, some situations may arise that will require a mature response.

OTHERS

Slow down both the brush rotation speed and the tractor speed when sweeping towards buildings, people, or vehicles. The powerful flicking action of the power broom can easily sling rocks or debris through the air if speeds are not kept down.

FIRE

DO NOT operate the sweeper near open flame or sparks. Do not operate welders, torches or other open flame devices near brush.

Operating Tips

The SWEEPSTER Power Broom is more versatile than any other machine in its class. There is far more use for it than all the "seasonal attachments" commonly used. SWEEPSTER is a snow thrower, lawn thatcher, dirt sweeper, and leaf raker, all packed into one handy unit. No more putting on an attachment for one season and storing it for the rest of the year.

The SWEEPSTER Power Brooms come with 3 different brush options. There is the all Polypropylene (the most popular) for the most versatile action. The "Poly" sections are used in snow, dirt, thatch, & leaves. They give the best flicking action and are lightweight. The second option is all wire sections. The crimped wire gives a good scrubbing action on hard clay and dirt and is normally used for all tougher jobs. The third option is alternating sections of wire and poly giving our ½ Wire - ½ Poly Mix. This is used in situations where the extra tough action of the wire is needed but the flicking action of the poly is still desired. *NOTE! Do not use all wire brush on thatching jobs or leaf raking. It will only result in tearing up the grass by the rough sweeping action of the wire sections.

SNOW

High brush speeds and slow ground speeds are needed to do a good job on snow. The SWEEPSTER will throw 8-10 inches of snow and clean right down to a bare surface without leaving that last inch of snow like some snow machines do. There is nothing left to get packed down and become slippery and turn to ice.

Start with about 3/4 throttle and the lowest tractor gear. Increase to near full throttle for wetter and deeper snow. This will keep the snow from packing up inside the brush hood.

Just about any amount of snow can be thrown by the sweeper if patience and consideration of wind direction are used. In deep snow more than one pass may have to be taken to get down to a clean surface. Always sweep so the wind blows at your back or in the direction your brush is angled.

THATCH

*Never use Wire Bristles.

Low brush speed and low tractor speed are needed to provide the best thatching job. The SWEEPSTER will dig down and pull out all the old grass and debris from past years and leave a clean healthy lawn that can breathe and grow.

The spring-chain assembly tension should be adjusted so that the tips of the bristles just barely touch the tips of the grass blades. This adjustment is necessary to keep the brush from pulling itself into the grass.

When sweeping, keep one hand on the lift lever to raise the brush if it starts to pull into the grass and stall out. **DO NOT** increase the throttle to override a stallout. Find the combination of brush speed and ground speed that rolls up a neat windrow. Remember the wind direction so that materials are not blown back onto the area already swept.

Low brush speed and moderate ground speed will clean amost any hard surface free of all debris. The SWEEPSTER does so well that many pavement sealcoating companies use them to clean even the fine sand off parking lots.

Do not use high brush speeds or dust will be raised by the aggressive action of the sweeper. Again, remember the wind direction and plan your sweeping so it blows at your back or to the right side (the direction your broom is angled). Always wear eye protection to protect your eyes from flying sand and dust.

It is usually effective to plan your sweeping for days when it is overcast and humid or on a day after it has rained. By planning in this manner, your dust will be kept to a minimum.

To sweep gravel, use a slightly higher brush speed using just enough to "roll" the gravel and not throw it.

THE SWEEPSTER IS NOT A BULLDOZER! Do Not ram into piles trying to move them as a blade would.

Remember – the sweeper sweeps with the tips like a broom, not with the sides like a mop. Adjust the spring-chain assembly accordingly.

DIRT

Low brush speed is needed with low-to-medium tractor speed to rake any size lawn into neat, easy to pick-up piles. Works in a fraction of the time it would take by hand.

The bristles should be adjusted so that they just barely touch the tips of the grass blades. The leaves should be rolled into a windrow, not thrown into an empty area. Plan your sweeping by taking into consideration the wind direction, the wetness, and where you want your final pile of leaves.

***NOTE!** Too high of brush speed will cause the brush to carry the leaves right over and drop them behind the brush. You must use fairly low brush speed.

LEAVES

SPRING-CHAIN ASSEMBLY ADJUSTMENT

When the spring-chain assemblies are properly adjusted the brush will have a slight bounce to it when raised a couple of inches off the ground and dropped (Do not raise the brush by the hood). Only the tips of the bristles should touch the ground.

To adjust the spring-chain assemblies, raise the brush off the ground with the electric lift. Drop the link of chain that will give the proper spring chain tension so only the tips of the bristles are touching the ground. Lower the brush, if the bristles have to much weight on them, move the chains back in the chain holder. If the bristles are too high off the ground, move the chains forward in the chain holder.

Section Replacement

1. Remove the side chain shield from the brush frame. Next, remove the mounting strip and brush hood from the brush frame.

2. Locate and remove the master link from the drive chain. Remove the chain from around the core sprocket and the drive sprocket.

3. Remove the bolts from the two-hole bearing flanges on both sides of brush.

4. Slide the core with the bearings on it from the brush frame. Stand the core up with the sprocket end resting on two wooden blocks.

5. Remove the half end plates from the core and remove the old sections.

6. Follow the instructions enclosed with the new sections and fill the core. Replace the half end plates.

7. Slide the core with the bearings back onto the brush frame. Replace the bolts into the two-hole bearing flanges and tighten.

8. Replace the drive chain onto the drive sprocket and onto the sprocket on the core. Re-align the core sprocket with the drive sprocket if necessary.

9. Replace the brush hood and the mounting strip onto the brush frame. Replace the side chain shield onto the brush frame.

(Order replacement sections from Sweepster, call 1-(313)-426-3961).

SWEEPSTER® Inc.
JENKINS EQUIPMENT CO., INC.
2810 BAKER ROAD
DEXTER, MICHIGAN 48130
(313) 426-3961

Maintenance Check List

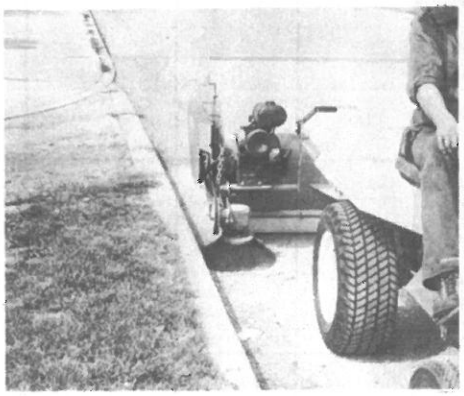
Maintenance is relatively simple for the SWEEPSTER Power Broom and it will give you years of year-round service if you will follow these simple maintenance steps.

PROCEDURE	SCHEDULE				
	EVERY 3-4 HRS.	EVERY 8-10 HRS	EVERY 30-40 HRS.	EVERY DAY	WHEN NECESSARY
MOUNTING YOKE The U-shaped portion of the mounting yoke that holds the brush head tubing should be kept well greased for easy lifting.		■			
SLIP UNIVERSAL JOINT On the slip shaft end of the Universal-Joint there is a zerk. Grease this zerk so the shaft slides easily in the U-Joint yoke.		■			
V-BELT The V-belt must be checked for tightness and also for alignment of the pulleys. If the V-belt shows signs of wear, replace it before it fails during operation. If pulleys are not in line, loosen the set screws and realign.	■				
ALL UNIVERSAL-JOINTS Check all universal joints for excessive wear. Grease the center bearing zerk and retighten all the set screws.		■			
CHAIN Remove the drive chain from the sprockets and soak the chain in a can of new or used motor oil. This will lubricate the inside of the chain where it is needed the most.			■		
CHAIN LINK If there is a stiff link in your chain soak it in penetrating oil. Try to work it out by bending it back and forth. If this does not work, the chain must be replaced.					■
TRACTOR AIR CLEANER Because of the dust raised when sweeping (other than snow) the tractor air cleaner should be checked and replaced when necessary.				■	
BOLTS Tighten all bolts on the complete unit to assure good performance.	■				

Model TR-48

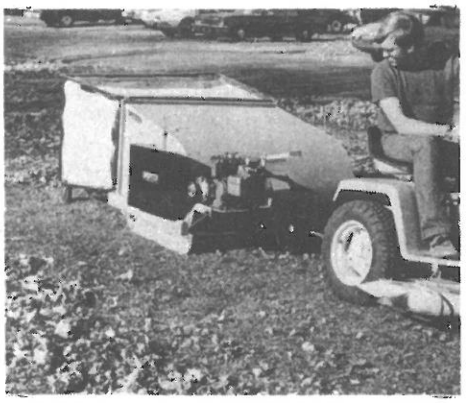
Powerful Tow-Behind Sweeper Picks Up Bushels of Leaves, Paper, Thatch, Trash In Easy-Dumping Canvas Hopper.

TR-48 SWEEPSTER is a quality engineered machine capable of sweeping lawns or paved areas whistle clean. In grass areas the TR-48 gobbles up grass clippings and leaves and stows them in a big canvas hopper. The aggressive action of the 48'' wide polypropylene brush cleans out thatch without damaging the grass. Switch from canvas hopper to dirt hopper for sweeping paved areas and heavy materials. The TR-48 picks up bulky cups and cigarette packs as well as fine sand and gravel.



TR-48 Sweeping Dirt

TR-48 Dirt hopper.



TR-48 sweeping leaves into optional canvas leaf hopper.

SWEEPSTER® C-36

Self-Propelled Walk-Behind That Works All Year-Round

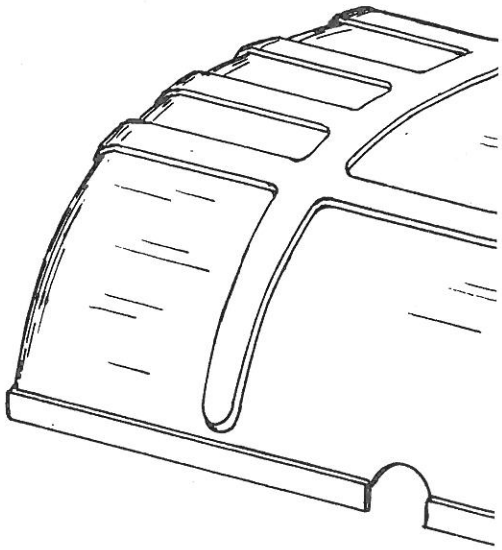
SWEEPSTER introduces a new dimension in power sweeping—Model C-36. Wherever a vigorous sweeping action is required the easily transportable C-36 can be used. It's rugged enough to backfill a trench yet light enough to sweep the suspended floors of a chicken house. The C-36 is self-propelled. A clutch and throttle control at the operator's fingertips give the correct forward ground speed for the job at hand. Two brush speed ranges on the standard C-36 and special extra duty packages for roofing contractors and trenchers give the best possible brush speed for the job at hand. Place the brush assembly in a straight-ahead position for sweeping next to walls, machines, etc. Angle the brush 30 degrees to the right for sweeping heavy accumulations of slush, thatch, dirt etc.

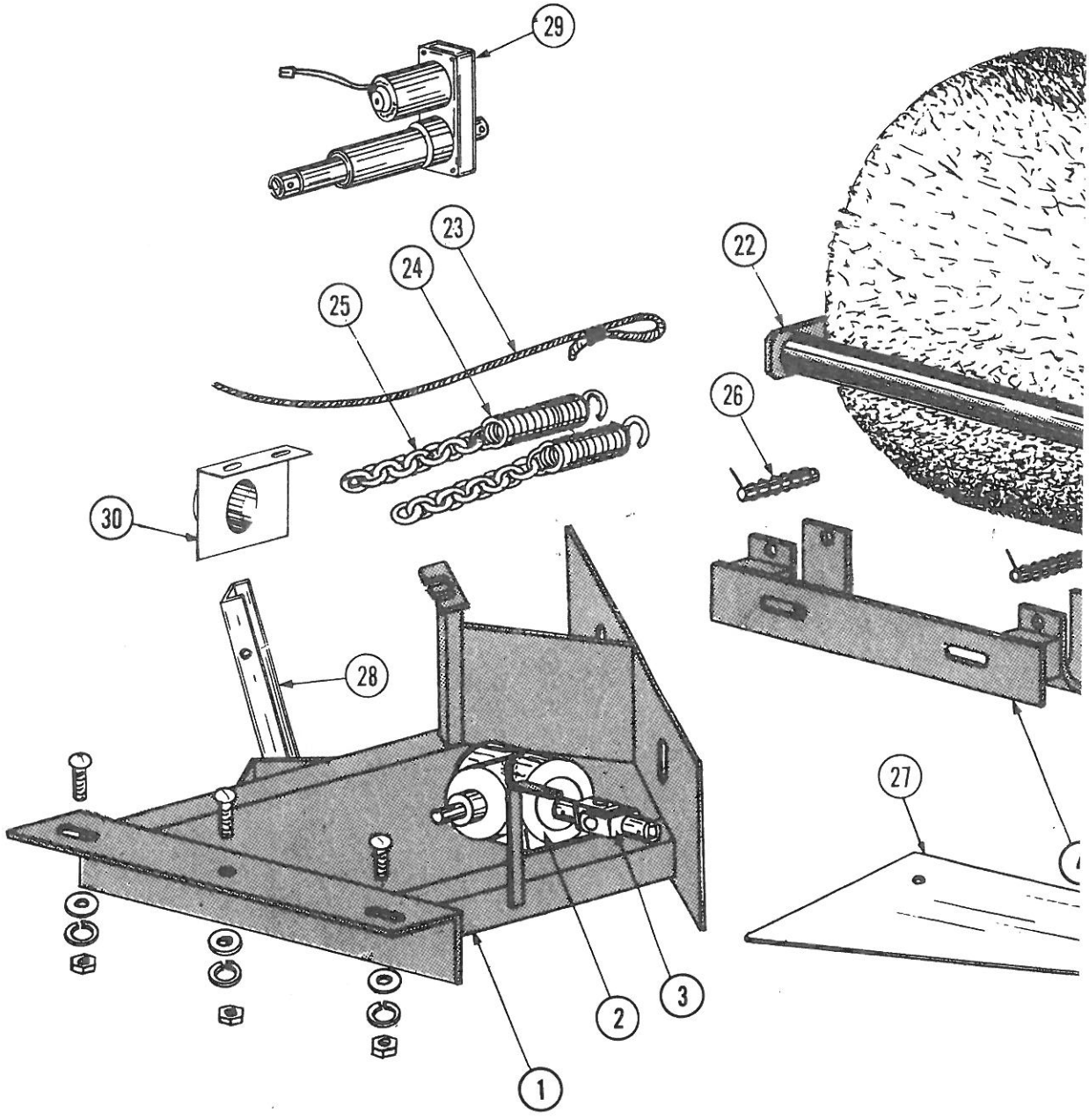
SWEEPSTER,® Inc.
JENKINS EQUIPMENT CO., INC.

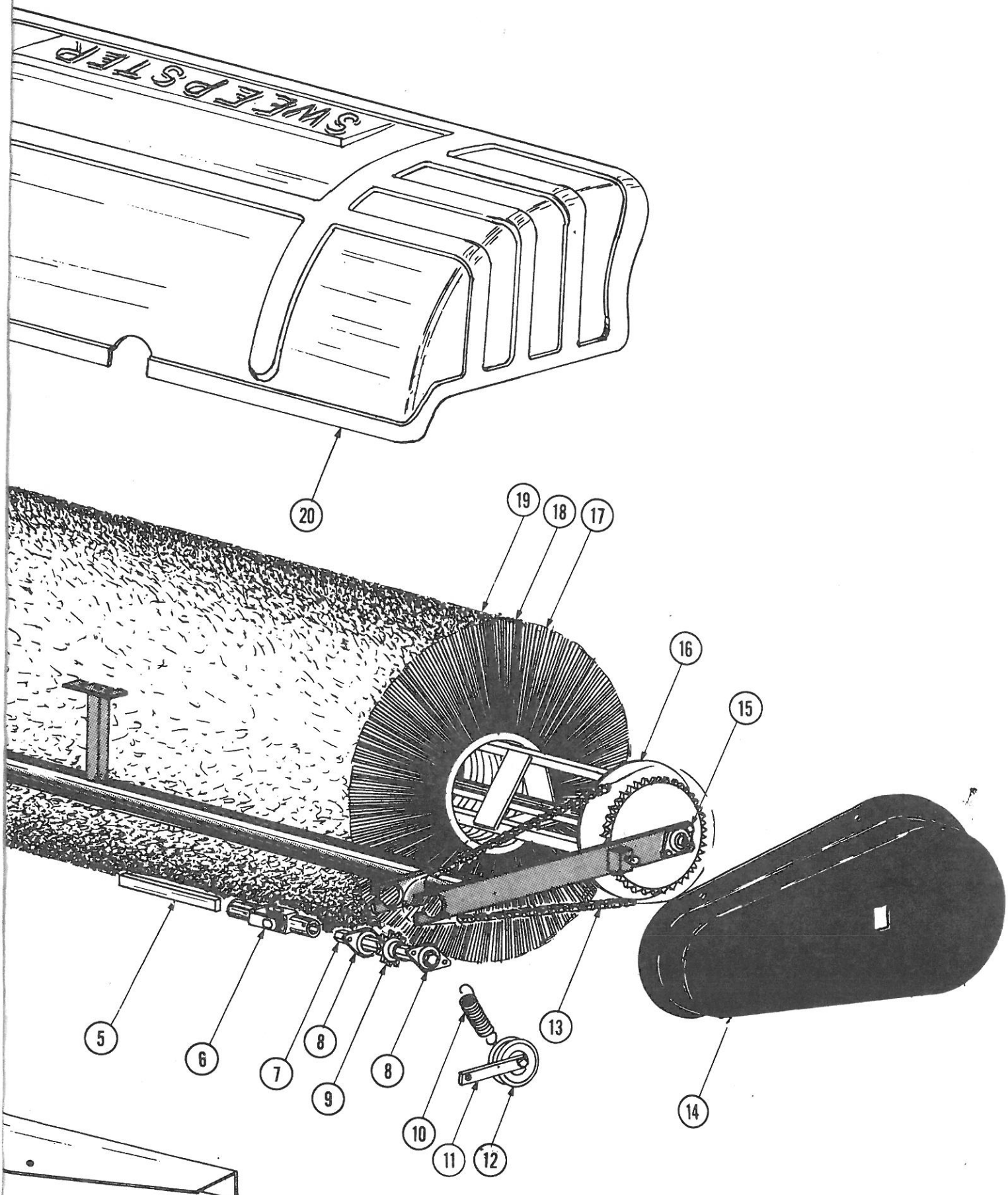
2810 BAKER ROAD
DEXTER, MICHIGAN 48130
(313) 426-3961

Ref.	Part No.	Description		Qty.
1.	11-3001	Frame, Drive		1
2.	05-0693	Gearbox		1
3.	05-0316A	Universal Joint		1
4.	11-0170	Bracket, Mounting Yoke		1
5.	11-1575	Shaft		1
6.	05-0314A	Universal Joint		1
7.	11-0591	Shaft		1
8.	08-0004	Bearing, 7/8 Hex 2-Hole Flange		2
9.	06-0020	Sprocket, 4012 Hex	C-48	1
9.	06-0238	Sprocket, 5012 Hex	B-60	1
10.	07-0324	Spring, Idler		1
11.	11-0225	Arm, Idler		1
12.	06-0009	Pulley, Idler	C-48	1
12.	06-0142	Pulley, Idler	B-60	1
13.	06-0021	Chain, Drive #40	C-48	1
13.	06-0186	Chain, Drive #50	B-60	1
14.	09-0002	Shield, Drive Chain		1
15.	08-0007	Bearing, 1 Inch Round, 2-Hole Flange		2
16.	01-0249	Core	C-48	1
16.	01-0209	Core	B-60	1
17.	01-0001C	Section Set, Poly	C-48	1
17.	01-0017C	Section Set, Poly	B-60	1
18.	01-0005C	Section Set, Wire	C-48	1
18.	01-0018C	Section Set, Wire	B-60	1
19.	01-0013C	Section Set, 1/2 Poly - 1/2 Wire	C-48	1
19.	01-0019C	Section Set, 1/2 Poly - 1/2 Wire	B-60	1
20.	09-0001	Hood	C-48	1
20.	09-0005	Hood	B-60	1
22.	11-0160	Frame, Brush Head	C-48	1
22.	11-0367	Frame, Brush Head	B-60	1
23.	11-1064	Cable, Lift		1
24.	07-0237	Spring, Tension		2
25.	07-0314	Chain, 15 Link		2
26.	11-1992	Assy. Pin and Spring		2
27.	11-1631	Shield, Gearbox		1
28.	11-1684	Arm, Electric Lift		1
29.	03-0590	Actuator, Electric Lift		1
30.	11-3015	Shield, Gearbox Shaft		1
NS.	11-1810	Harness, Wiring		1
NS.	07-0351A	Switch, Toggle		1

C-48 & B-60



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