



Electronic Service Manuals

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You may contact Michco through the following methods:

Phone (517) 484-9312 or (800) 331-3339

2011 N. High St. -- Lansing, Michigan -- 48906

Fax: (517) 484-9836

Email: CustServe@Michco.com

Web site: www.Michco.Com

Parts Web site: www.FloorMachineParts.Com

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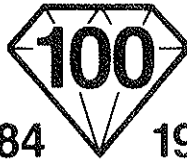
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OWNERS GUIDE



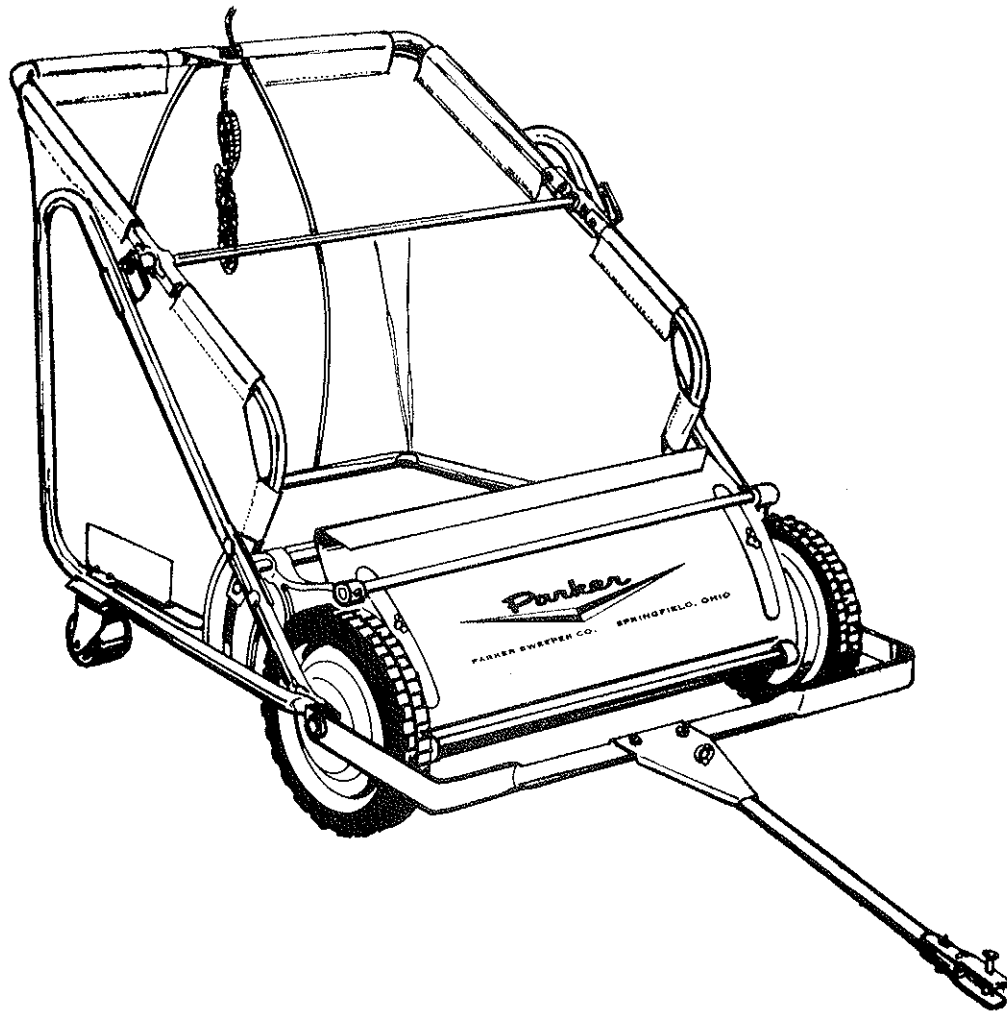
1884

1984



Parker

TE-8436 TRAILETTE

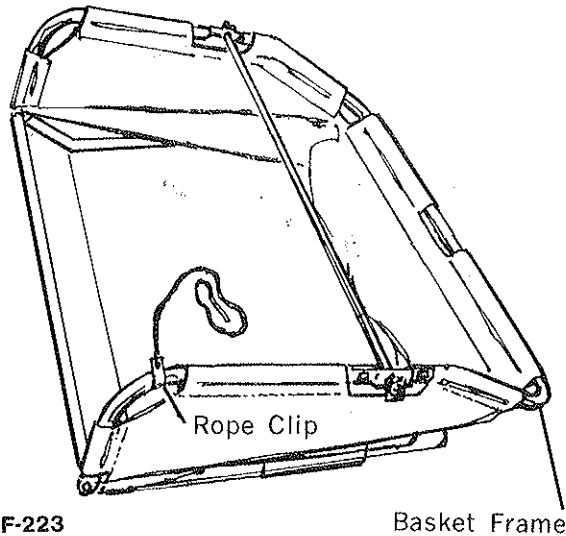


PARKER SWEEPER COMPANY Box 1728 Springfield, Ohio 45501

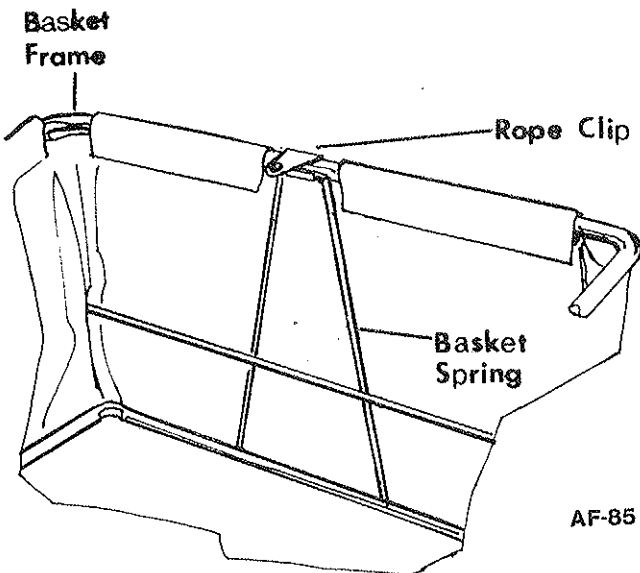
Plate No. 905

ASSEMBLY INSTRUCTIONS

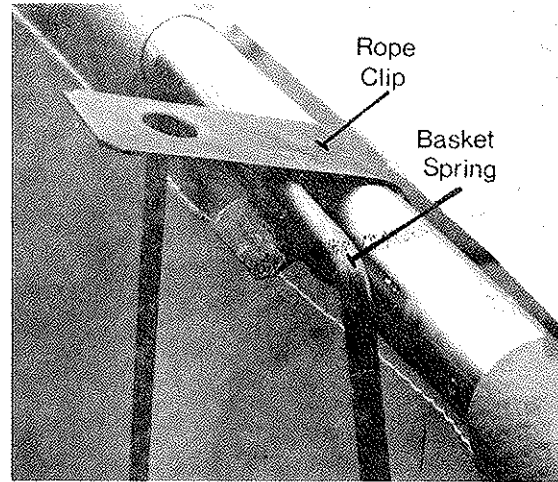
The picture below shows the Basket Assembly as removed from the Carton.



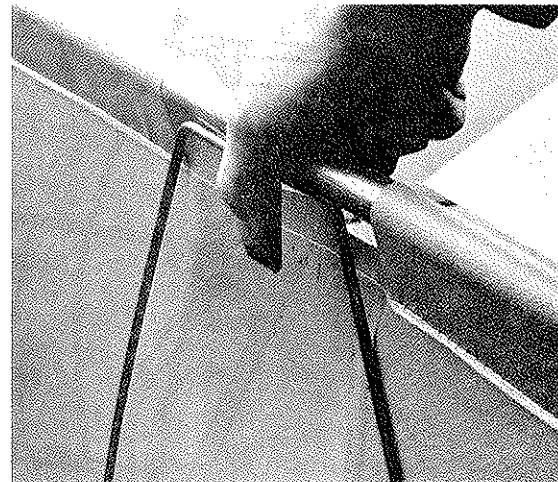
Remove rope clip from position shown above, and place in the center of the Upper Basket Frame, as shown below. Raise the Upper Basket Frame until the sides are taut, as shown below.



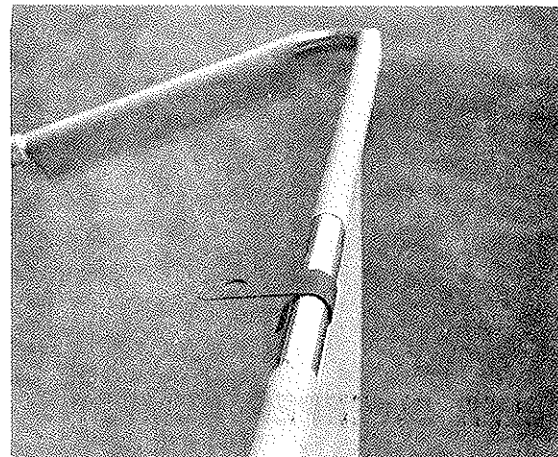
Place the Basket Spring under the Rope Clip as shown.



Push the Rope Clip down until the Basket Spring snaps into the notch on the under side of the Basket Frame as shown.

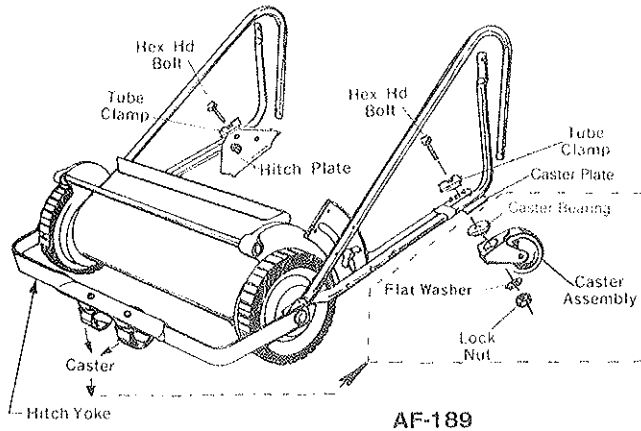


Now turn the Rope Clip to the position as shown. The Basket is now ready to place into the Frame Assembly.



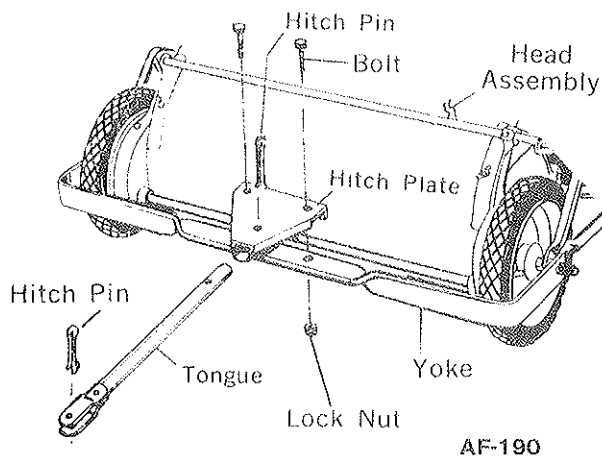
ASSEMBLY INSTRUCTIONS

Your Sweeper was inspected and packaged at the factory and will require a minimum of time to complete the assembly. Remove the two Casters from the Hitch Yoke. You will need these bolts and nuts to assemble the Hitch Plate on the Yoke.

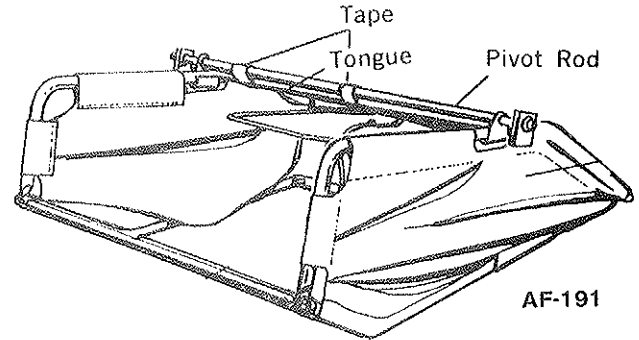


Remove the Hitch Plate from the right rear Caster plate. You will need the Tube Clamp, nut and bolt that was used (to secure the Hitch Plate during shipment) for installing the right Caster assembly. Install the Casters using the parts sequence as shown above.

Install the Hitch Plate as shown using the nuts and bolts that were originally used to hold the Casters in place during shipment.

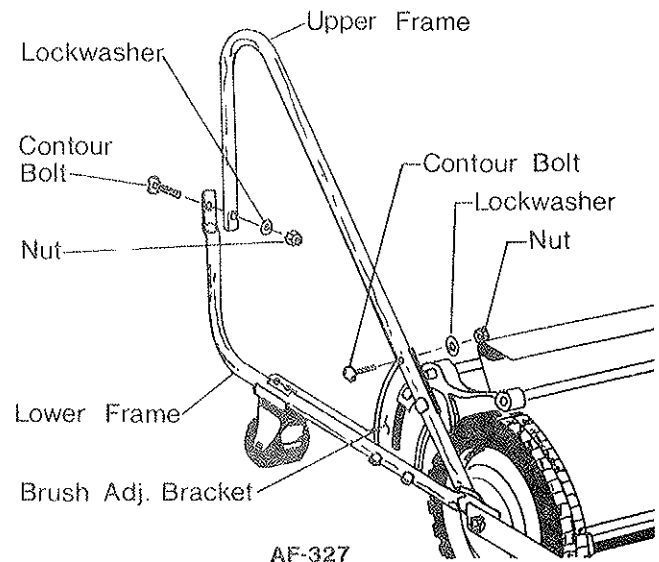


The Tongue for the Hitch Plate is taped to the Pivot Rod of the Basket Assembly. The Hitch Pins are in each end of the Tongue. Remove the Hitch Pins and install on the Hitch Plate shown in preceding picture.

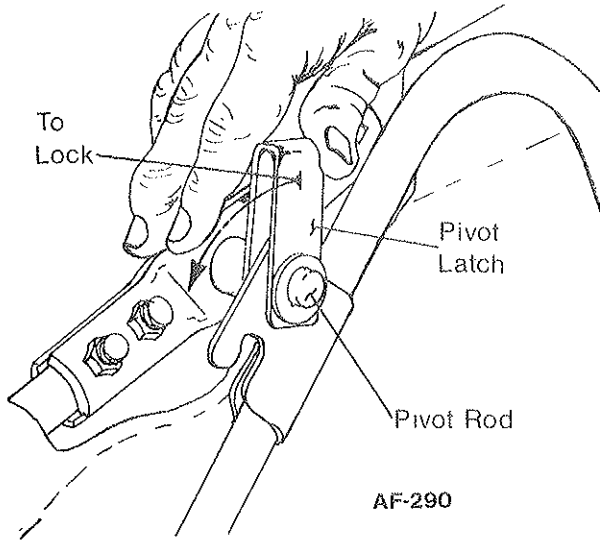


Lift the Upper Frame and assemble to the Lower Frame on both sides with the contour bolt, lockwasher and nut, by matching the holes near the end of each piece of tubing as shown below.

Assemble the Upper Frame to the Brush Adjusting Bracket on both sides with the contour bolt, lockwasher and nut.

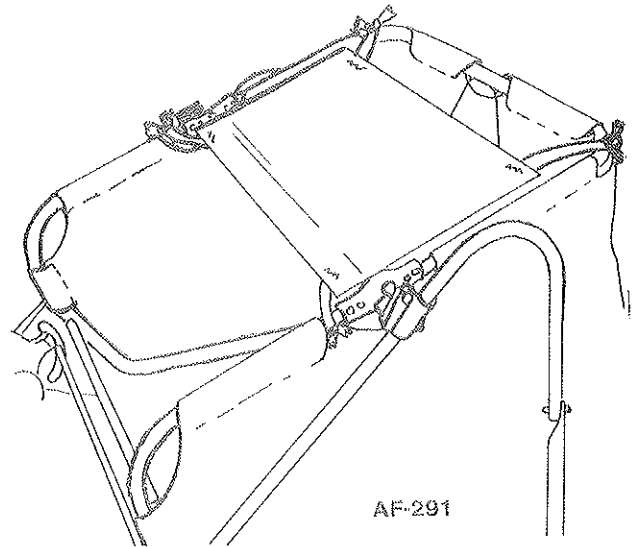


ASSEMBLY INSTRUCTIONS



Hold the pivot latch in an up position, then place the pivot rod into the top slot of the pivot bracket. The pivot latch should straddle the bracket. When both sides are resting on the bracket, move the latch forward to lock into position.

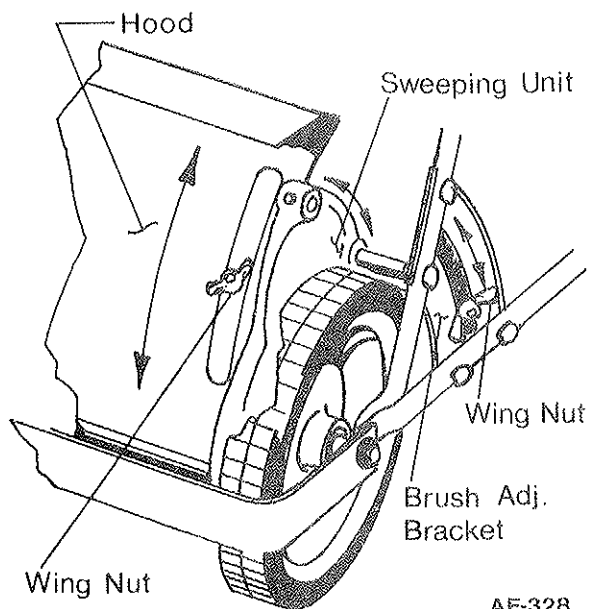
The Wind Apron is furnished with the unit. It is used to keep the sweepings in the basket on windy days or when sweeping at a high speed. The Wind Apron is stretched across the basket and tied on the basket frame at the top corners and middle below the pivot bracket, as shown below.



OPERATING INSTRUCTIONS

Brush Height Adjustment

The most efficient operating height is when the brushes just make contact with the top of the grass or make light contact with paved surfaces. When the brushes are set too low, the sweeper will pull hard. This will lead to pulling difficulties, excessive brush wear and premature mechanical failure. Always have brushes in the raised position when transporting sweeper.



To Adjust Brushes

Loosen the large wing nut. To raise brushes to extreme height, pull Sweeping Unit forward as far as slots in the Brush Adjustment Brackets will permit. To lower brushes to lowest position, push Sweeping Unit backwards as far as slots will permit. Secure wing nut when the desired brush adjustment is obtained.

The Hood is a part of the sweeping unit, but can also be adjusted independently by loosening the two wing nuts on each side. For grass clippings or leaves, adjust the hood and brushes to highest position. After trial run on lawn, should the settings be too high, lower slightly and try again until correct setting is found. Brush life may be prolonged by adjusting so contact with the ground is light. The lighter the contact, the longer the wear and easier to pull.

Note: If the brushes do not rotate and the wheels slide when the Sweeper is being pulled, the brushes are set too low.

If the brushes and the wheels rotate when the Sweeper is being pulled, but pulls hard, the Hood Extension is set too low.

OPERATING INSTRUCTIONS

TOWING THE SWEEPER

Trailing type sweepers should not be towed while mowing, as the mowing speed is generally too slow for the sweeper to pick up grass, leaves, or debris and throw them into the back of the basket.

SWEEPING TIPS

Use sweeper in early spring to give your lawn a healthful cleaning.

Use your sweeper before mowing to pick up stones, sticks and other debris. This could save damage to mower and prevent personal injury. Sweeping will also stand turf on end for a clean, even mowing.

Use sweeper after mowing to remove turf clippings and give the lawn a blanket-like effect.

Sweep often in fall as leaves are dropping. Do not wait until leaves are all off trees.

For best sweeping results keep lawn cut short. When sweeping turf clippings do not overload Basket. Turf clippings are heavy and over-loading will put unnecessary stress on the Basket.

CARE AND BRUSH REMOVAL

Turn the Sweeper upside down on the ground. Notice the stud has a collar against the brush bracket holding it against the reel shaft.

AF-185 - Remove the hex nuts and clamps from the stud on the end having the collar. Remove the brushes from the brush bracket slots (4 places). Now remove the hex nuts and clamps from the opposite end of the studs. Do not remove the speed nuts or the studs will fall away from the reel shaft (4 places).

BRUSH REPLACEMENT

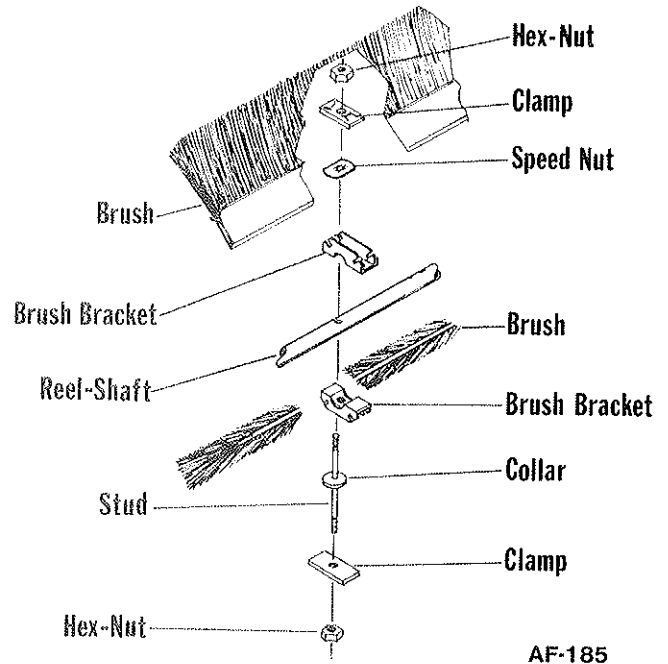
AF-185 - Turn the reel shaft so you can position the brush strips in the slots on the brush bracket that are being held on the stud and shaft by the speed nut. Position the clamps and hex nuts, center the brush strips between the side plates, then tighten brush strips between the side plates, then tighten the hex nuts.

Turn the reel shaft so the brushes are on the bottom side. Now place the brush strips in the slots on the brush brackets on the top side. Position with clamps and hex nuts. Center the brush strips between the side plates, then tighten the hex nuts.

HOOD CARE

Wet grass clippings have a tendency to dry and adhere to the inner face of the hood; it is important to keep this face clean for good sweeping action.

NOTE: If this unit is to be used on hard surfaces such as blacktop driveways or concrete walks, it may be desirable to order 81-79-A caster rollers to replace the 76-58-A caster rollers supplied with the unit. The 76-58-A caster roller warranty is limited to lawn use only.

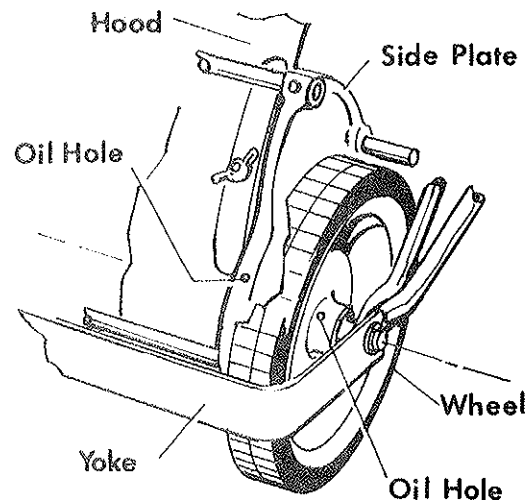


LUBRICATION

Frequent lubrication of the Sweeper will lengthen the service life.

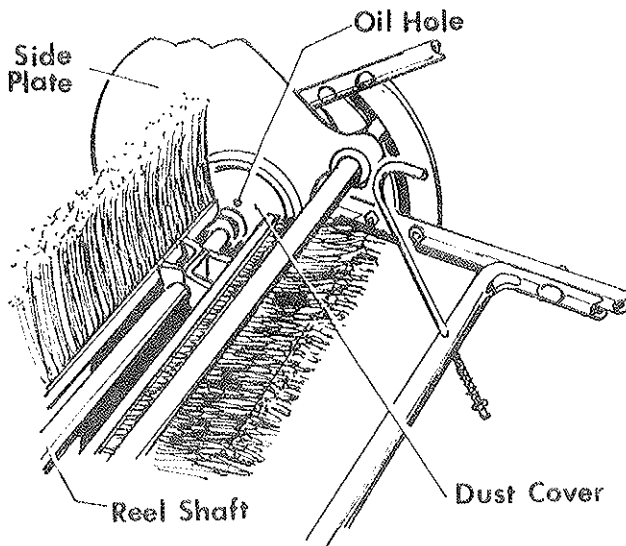
AF-96 - Place a few drops of oil in the oil holes located in the hub of each wheel.

Also, place a few drops of oil in the swivel bearings and axle of the casters every time the machine is used.



LUBRICATION

Place a few drops of oil between the washer and bearing flange on the reel shaft inside the side plate on both sides. This should be done each time before the Sweeper is used.



Before using the Sweeper the first time each season, remove both wheels and put a good grade of grease on the pinion gear and the gear of the wheel. Do not apply grease or heavy oil to pawl. This causes the pawl to stick and operate erratically.

OPERATING SPEED

Moving the Sweeper forward rotates the brushes, propelling the leaves, clippings, etc., into the basket.

Select a forward travel speed that provides efficient sweeping without throwing debris over the back of the basket.

CAUTION: The basket has been designed for holding a large capacity of dry grass clippings. When clippings are wet or fresh cut, caution should be exercised as the amount picked up. The basket could be overloaded and make dumping difficult.

DANGER: Do not hold dumping rope in hand while towing. Secure loose end to tractor behind operator.

CAUTION! This sweeper is not designed to haul people, animals or equipment. Severe damage to the sweeper and possible injury to people or animals may result if this warning is ignored.

DUMPING BASKET

The load is dumped from the basket by pulling the basket forward with the rope, causing the basket to pivot into a semi-inverted position. When load is discharged, allow rope and basket to return to their normal position.

BASKET CARE

The basket should always be emptied immediately after each time the Sweeper is used, especially if the grass or leaves are wet or damp. Keeping the basket dry will lengthen its service life.

STORAGE

Clean basket to remove clippings and debris.

Wipe dirt and grease from the chassis. Repaint scratched areas and coat metal parts with oil to prevent rust.

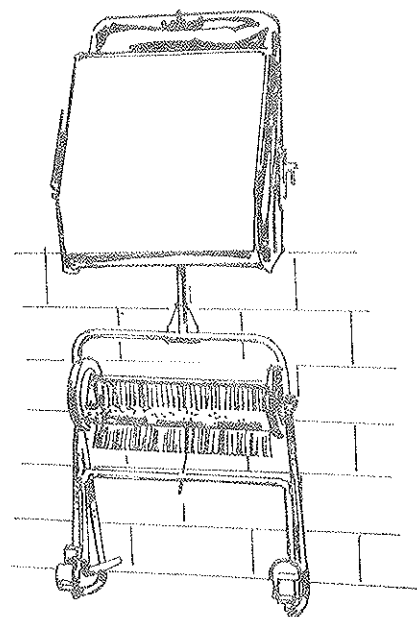
Store Sweeper in a dry area out of direct sunlight.

Check sweeper parts for wear. Replace parts as necessary.

Remove the basket assembly from the sweeper, release the basket spring and fold as shown below.

Remove the bolts, washers and nuts holding the upper and lower frames together, and fold as shown.

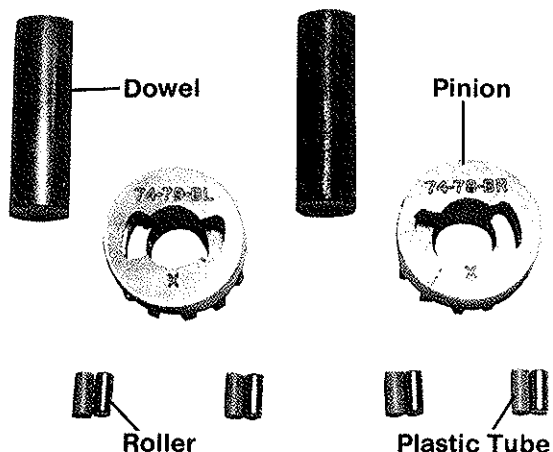
The drawing below shows the head assembly flat against a wall with the tongue tied to an anchor screw or nail in the wall. Tie a cord through the upper basket frame near the rope clip and hang it flat against the wall from an anchor screw or nail.



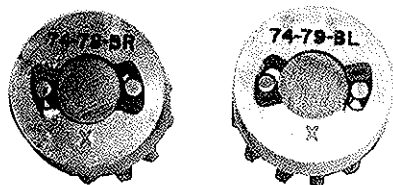
HOW TO RE-INSTALL PINIONS IN MANUAL OR TRAILING SWEEPERS

If for some reason you have found it necessary to remove the pinions, you should carefully follow these instructions. All parts must be clean before assembling.

- (1) To assist you, we suggest using a piece of wood doweling or plastic material $\frac{5}{8}$ " diameter, 2" long as shown. Each pinion is different as indicated by the part number and must be returned to the correct side of the shaft.

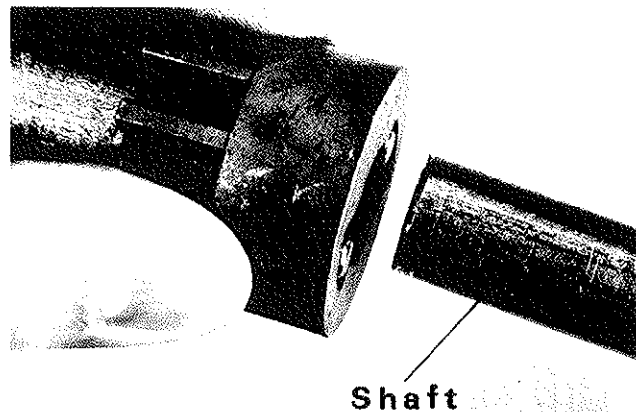


- (2) Insert the wooden dowel into the pinion.
- (3) Identify your pinion part number and insert the metal rollers. Place the plastic tubing in the cavity between the metal roller and the wall of the cavity. You may have to force the plastic tubing into this space but it is resilient and is supposed to fit tightly.

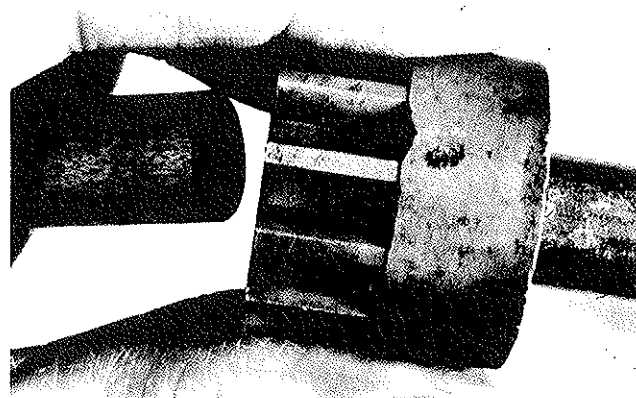


NOTE! The right and left side are determined from the operators position.

- (4) Pinion with part number **74-79 BL** is to be replaced on the **left side** of the shaft. Part number **74-78 BR** is for the **right side**. Line up the pinion (leaving the dowel in place) with the shaft as shown.

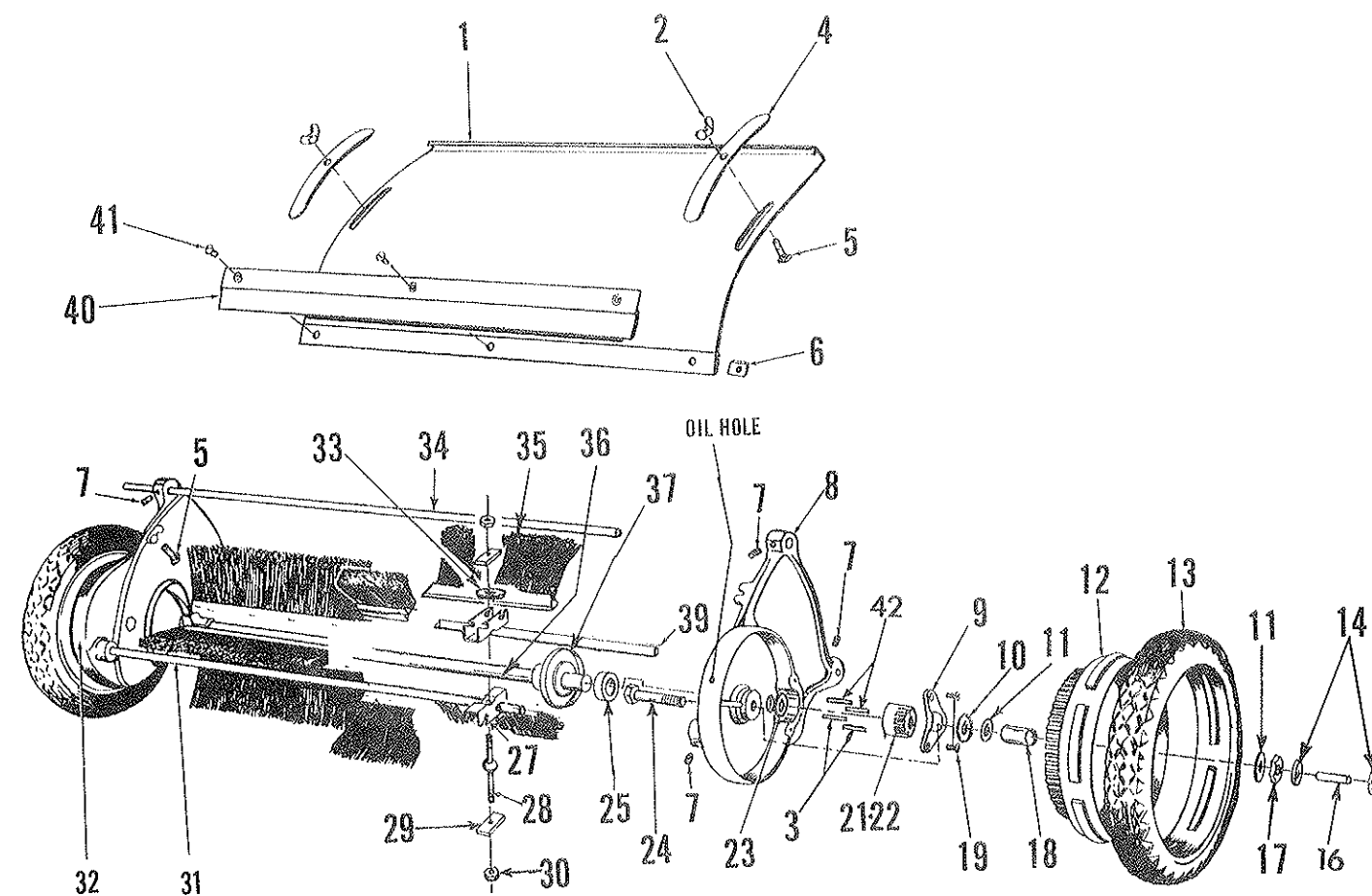


- (5) Push the pinion onto the shaft which will force the dowel to back out of the pinion. This will leave the rollers and plastic tubes in their proper position.



- (6) Apply a coating of grease on the outside of the wheel gear teeth. Do not grease inside pinion as this will cause pawl springs to be ineffective.

SWEEPER UNIT ASSEMBLY



(AF-220)

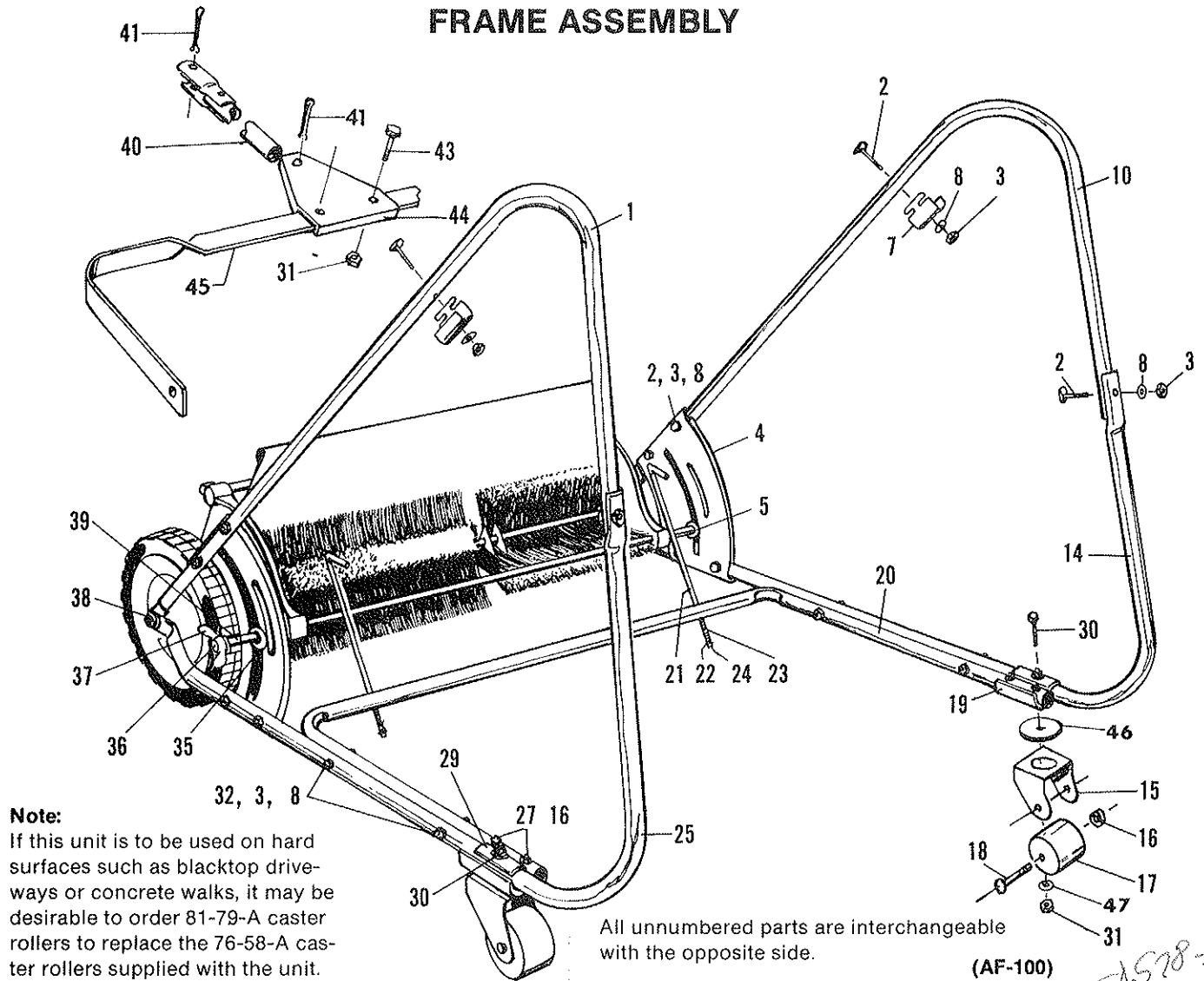
PARTS LIST

Ref. No.	Part No.	Qty. Per Unit	Description	Ref. No.	Part No.	Qty. Per Unit	Description
1	83-183-D	1	Hood	22	74-78-RB	1	Right Hand Pinion
2	351-516-20	2	Wing Nut 5/16-18	23	50-33-A	2	Special Washer
3	76-37-A	4	Pawl Spring	24	53-35-A	2	Axle
4	49-11-A	2	Hood Clamp	25	68-60-A	2	Ball Bearing
5	65-516-12	2	Hex. Cap Screw 5/16-18x3/4	27	74-13-C	8	Brush Bracket
6	346-10	5	Speed Nut #10-24	28	74-16-A	4	Brush Stud
7	560-C-516-10	6	Set Screw 5/16-18 x 5/8	29	69-04-A	8	Brush Clamp
8	76-339-LF	1	Left Hand Side Plate	30	362-416	8	Hex. Lock Nut 1/4-20
9	80-01-B	2	Pinion Cover	31	68-33-A	1	Front Tie Rod
10	946-816-16	2	Fiber Washer	32	76-338-RF	1	Right Hand Side Plate
11	58-05-A	4	Special Washer	33	75-89-A	4	Retainer
12	58-14-C	2	Wheel	34	68-34-A	1	Top Tie Rod
13	75-88-C	2	Tire	35	1200-17	8	Brush Strip
14	945-816	4	Plain Washer 1/2	36	79-103-B	1	Reel Shaft
16	68-44-A	2	Axle Spacer	37	74-166-B	2	Dust Cover
17	326-816	2	Hex. Nut, Thick 1/2-20	39	76-341-A	1	Adjusting Tube
18	58-06-A	2	Sleeve	40	68-37-B	1	Hood Extension
19	61-416-6	4	Hex Hd. Bolt 1/4-20x3/8	41	515-10-8	5	Round Hd. Machine Screw #10-24 x 1/2
21	74-79-LB	1	Left Hand Pinion	42	74-80-A	4	Pawl

REPAIR PARTS

MODEL NO. TE-8436

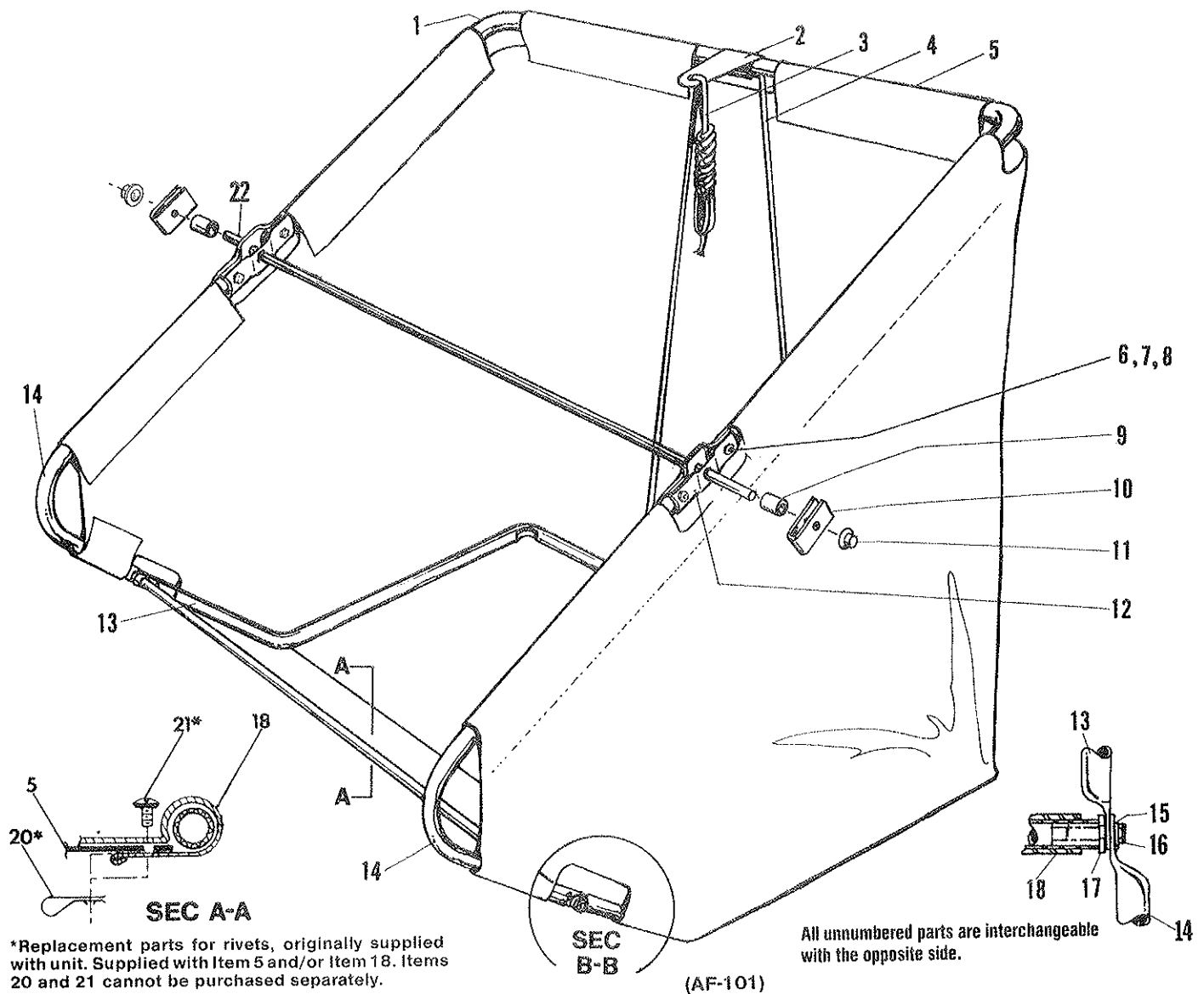
FRAME ASSEMBLY



PARTS LIST

Ref. No.	Part No.	Qty. Per Unit	Description of Part	Ref. No.	Part No.	Qty. Per Unit	Description of Part
1	76-283-LC	1	Upper Frame LH	24	75-89-A	2	Retainer
2	69-416-20	12	Contour Hd. Bolt 1/4-20x1 1/4	25	76-281-LC	1	Lower Frame LH
3	335-416	16	Hex. Nut 1/4-20	27	65-416-20	4	Hex. Hd. Bolt 1/4-20x1 1/4
4	76-342-C	2	Brush Adjusting Bracket	29	59-77-A	2	Tube Clamp
5	945-616	2	Plain Washer 3/8	30	65-516-32	2	Hex. Hd. Bolt 5/16-18x2
7	76-240-A	2	Pivot Bracket	31	365-516	4	Hex. Lock Nut 5/16-18
8	935-416	16	Spring Lock Washer 1/4	32	69-416-28	4	Contour Hd. Bolt 1/4-20x1 1/4
10	76-284-RC	1	Upper Frame RH	35	945-516	3	Plain Washer 5/16
14	76-280-RC	1	Lower Frame RH	36	69-111-A	1	Adjusting Bolt
15	76-136-B	2	Caster Fork	37	73-71-A	1	Wing Nut 5/16-18
16	365-416	6	Hex. Lock Nut 1/4-20	38	368-816	2	Hex. Jam Nut 1/2-20
17	76-58-A	2	Caster Roller	39	55-160-A	1	Spacer
18	76-202-A	2	Axle	40	75-32-B	1	Tongue
19	76-81-B	2	Caster Plate	41	81-14-A	2	Clinch Pin
20	76-272-B	1	Frame Support	43	65-516-16	2	Hex. Hd. Bolt 5/16-18x1
21	76-255-A	2	Basket Stop	44	75-40-B	1	Hitch Plate
22	945-416	2	Plain Washer 1/4	45	75-134-B	1	Yoke
23	76-271-A	2	Compression Spring	46	78-130-A	2	Bearing
				47	50-230-A	2	Washer

BASKET ASSEMBLY



*Replacement parts for rivets, originally supplied with unit. Supplied with Item 5 and/or Item 18. Items 20 and 21 cannot be purchased separately.

PARTS LIST

Ref. No.	Part No.	Qty. Per Unit	Description	Ref. No.	Part No.	Qty. Per Unit	Description
1	76-326-B	1	Rear Basket Frame	13	83-82-C		Lower Basket Frame
2	76-252-A	1	Rope Clip	14	76-285-B	2	Front Basket Frame
3	60-09-A	1	Rope 1/4" x 10'	15	935-516	2	Spring Lock Washer 5/16
4	83-33-B	1	Basket Spring	16	76-269-A	2	Bolt 5/16 x 1 1/2
5	SA-1211-C	1	Basket Sides & Bottom	17	76-270-A	2	Insert
6	69-416-20	4	Contour Hd. Bolt 1/4-20x1 1/4	18	SA-1093-B	1	Basket Bottom Clamp Assembly
7	936-416	4	Int. Tooth Lockwasher 1/4	*20		4	Speed Nut 1/4-20
8	335-416	4	Hex Nut 1/4-20	*21		4	Machine Screw 1/4-20x3/8
9	73-414-A	2	Spacer	22	76-275-A	1	Pivot Rod
10	76-242-A	2	Pivot Latch	23	80-293-B	1	Wind Apron (not shown)
11	76-254-A	2	End Cap				
12	79-112-B	4	Pivot Bracket				