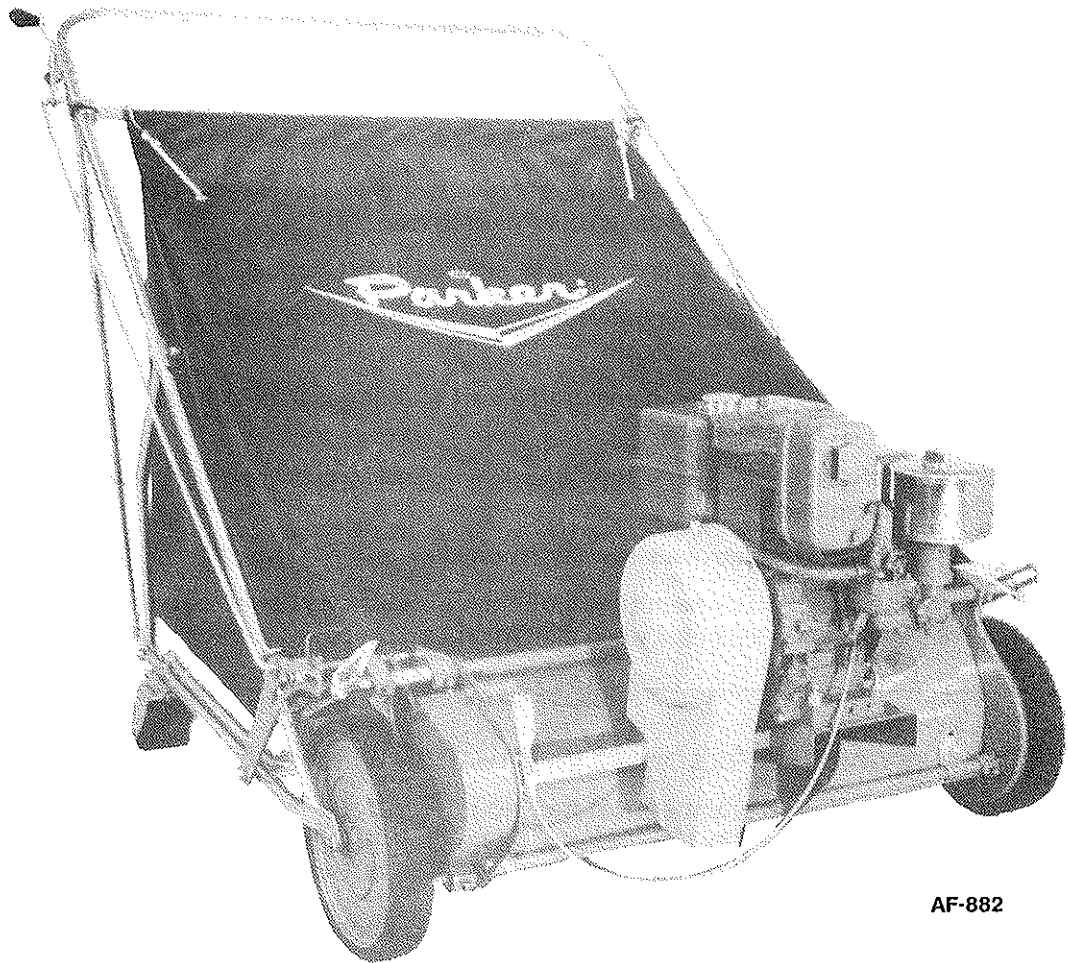


# OWNER'S GUIDE



## MODEL PS-8930 POWER SWEEP



AF-882

**SAFETY COMES FIRST; READ THIS OWNER'S GUIDE THOROUGHLY, UNDERSTAND ALL INSTRUCTIONS BEFORE SETTING UP AND OPERATING THIS EQUIPMENT.**

**PARKER SWEEPER COMPANY**

**Box 1728**

**Springfield, Ohio 45501-1728**

Plate No. 1479

**89-99-A**

# TO THE OWNER

These instructions were written to assist you in assembling and operating your Power Sweep. **READ THE INSTRUCTIONS** thoroughly **BEFORE** attempting to assemble and operate the machine, so that you are familiar with the complete procedure and the safety precautions.

## RULES FOR SAFE OPERATION



The following safety precautions are suggested to prevent damage to the equipment or injury to the operator or nearby persons.

1. Do not allow anyone to operate the Sweeper without proper instructions.
2. Do not permit children to operate the Sweeper.
3. Do not sweep too close to fire, because the Basket and Brushes will burn.
4. Do not attempt to remove wire or string from around the Brushes while the Engine is running.
5. Stop the Engine completely before attempting to make any adjustment or performing any maintenance work on the Sweeper.
6. Operate the Sweeper at reduced speed on rough terrain, in ditches and on hillsides, to prevent loss of control. Stay alert for holes or other hidden hazards.
7. Watch for traffic when sweeping near roadways.
8. Keep all nuts, bolts and screws tight, to be sure the Sweeper is in safe working condition.
9. Before starting to sweep in grassy areas, inspect the area first and remove all foreign objects, such as wire, bones, sticks, stones and other debris likely to damage the machine or cause personal injury.
10. Always wear eye protection, such as goggles, face shield or glasses of nonbreakable safety glass or plastic when operating your Power Sweep.
11. Follow the maintenance instructions as outlined in this manual.
12. To prevent accidental starting always remove the spark plug before working on the engine or equipment driven by the engine.
13. Do not run the engine in an enclosed area. Exhaust gases contain carbon monoxide, an odorless and deadly poison.
14. Do not fill gasoline tank while engine is running. Spilling gasoline on a hot engine may cause a fire or explosion.
15. Do not leave machine unattended while running.



This is a power operated Sweeper and the Engine should never be started unless the Clutch is in neutral. The Clutch is in neutral when the Clutch Lever is pulled to the rear.

## IMPORTANT

**ALWAYS GIVE THE FOLLOWING INFORMATION WHEN ORDERING REPAIR PARTS:**

- |                               |                            |
|-------------------------------|----------------------------|
| 1. Part Number (Not Ref. No.) | 3. Description of Part     |
| 2. Quantity Needed            | 4. Model No. PS-8930       |
|                               | 5. Serial No. if available |

**If unable to obtain parts locally, write down above information and send to:  
PARKER SWEEPER CO., BOX 1728, SPRINGFIELD, OHIO 45501**

Your unit is right hand (R.H.) or left hand (L.H.) as you stand behind it.

# ASSEMBLY INSTRUCTIONS

## Handle Assembly

NOTE: Assemble one side of handle at a time. Be sure side with 2 holes in upper handle is on the right side of unit. The left hand side of upper handle has only one hole.

1. Take one curved handle support and remove the hex hd. 1/4-20x1 1/4 bolt and locknut from one end.
2. Put this end of support up against the inside of the lower frame, just behind the casters, and insert the hex hd. 1/4-20x1 1/4 bolt through support and lower frame.

Note: the formed end of handle support must fit on the inside and around the lower frame.

3. Add the flat end of truss brace, flat side in, to bolt, referred to in steps 1 and 2, on outside of lower frame. Secure with locknut.
4. Remove the remaining locknut from the other end of the handle support.
5. With bolt still in handle support, slip the upper handle onto the bolt and insert bolt through lower handle. Secure with locknut.
6. Remove the contour hd. bolt, lockwasher, and hex. nut from the formed end of truss brace.
7. Swing truss brace upward and match hole in truss brace with the first hole in upper handle. Reassemble contour bolt, lockwasher, and hex. nut.
8. Repeat all of the above instructions for opposite side.

## Clutch Assembly

NOTE: Clutch shifter is completely assembled and just needs to be attached to unit.

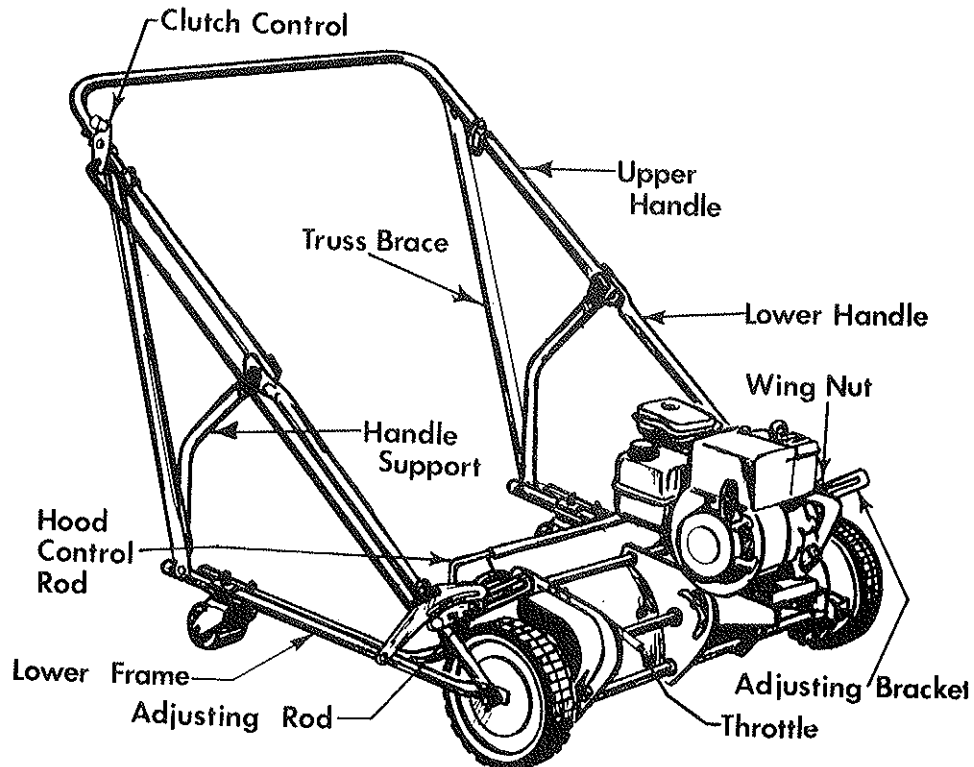
1. Remove the shaft retainer from the clutch rod.
2. Insert rod into the sleeve in the pivot arm. Replace shaft retainer.
3. Remove contour hd. bolt, lockwasher, and hex. nut from bracket of clutch shifter.
4. Swing clutch shifter upward and align hole in bracket with second hole in upper handle. Reassemble contour bolt, lockwasher, and hex. nut.
5. With shifter securely attached to handle push the clutch lever forward and clutch should engage, if not, go through all of the above instructions again. Check all nuts and bolts to make sure they are tight.

## Basket Assembly

1. Unfold the basket and insert basket rods into support brackets on handles.
2. Secure basket rod with the clips provided.

## Wind Apron Assembly

Wind apron instructions are found on next to the last page of this owner's guide.



## OPERATING INSTRUCTIONS

Remember that this is a power operated sweeper and the engine should never be started unless the clutch is in neutral. The Power Sweep is equipped with a simple, highly efficient clutch that requires little or no maintenance. With the clutch lever back toward the operator, the clutch rod causes the clutch pulley to move away from the belt, disengaging, removing tension, from the belt. This is "neutral." The unit may be pushed or pulled manually with the clutch in this position.

To engage clutch to drive the brushes and unit forward, push the clutch lever forward until it resists further engagement. This should require a medium effort, neither a severe nor a very light effort. If the effort is too light, the clutch will not remain engaged and the unit will not drive forward. Adjustment is made by tightening the "torque" bolt into the lock nut. This will apply force to the spring washer, controlling the friction and thus will increase the effort required to move the clutch lever. If a torque wrench is available, torque should be adjusted to 30 lbs. inches on bolt.

### Brush Height Adjustment

1. Loosen large wing nut on the adjusting rod.
2. Raise brushes by pulling sweeping Unit forward as far as slots in adjusting brackets will permit.
3. Lower brushes by pushing sweeping unit backwards as far as slots will permit.
4. Secure wing nut when desired height is obtained.

**CAUTION:** Always wear eye protection, such as goggles, face shield or glasses of nonbreakable safety glass or plastic when operating your Power Sweep.

A. For grass clippings or leaves, adjust brushes to highest position. After trial run on lawn, should the setting be too high, lower slightly and try again until correct setting is found. Brush life may be prolonged by adjusting so contact is light.

**CAUTION:** Before starting to sweep in grassy areas, inspect the area first and remove all foreign objects, such as wire, bones, sticks, stones and other debris likely to damage the machine or cause personal injury.

B. For patio, sidewalk, and driveway sweeping, adjust brushes so they just contact surface.

### Engine Adjustment

**NOTE:** After brushes have been set to desired height, it may be necessary to level engine.

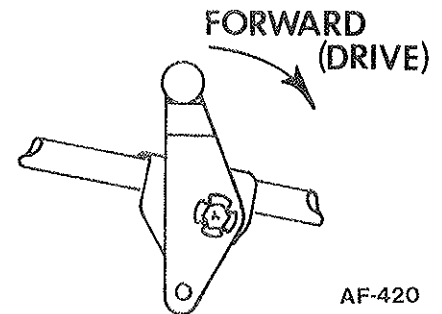
1. Loosen wing nut on engine adjusting bolt.
2. Pivot engine up or down until it appears to be level.

### To Start Engine

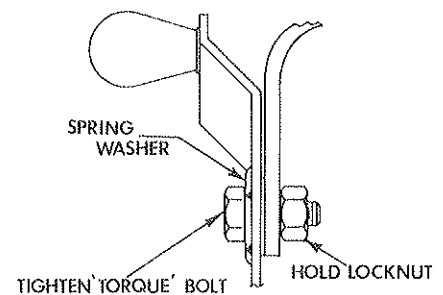
**CAUTION:** The engine on your unit contains no oil when shipped. **Service the engine with oil and gasoline according to the instructions in the engine manual.**

1. Pull the clutch lever backward and put clutch in neutral position.
2. Push the throttle control back toward hood, or away from you if standing in front of unit. This opens the throttle.
3. Pull out the choke control, located underneath the air cleaner, to close choke.
4. Pull starter rope to start engine.

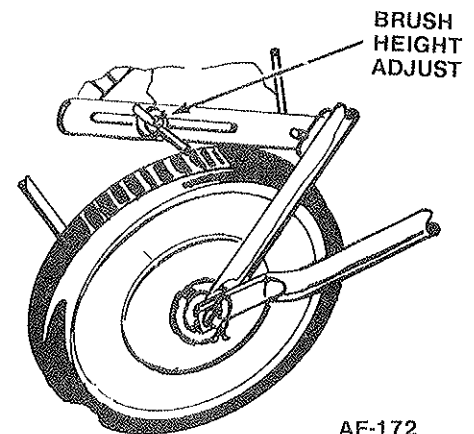
**NOTE:** With the throttle control in the open position, the engine will run at its highest speed. To slow down the engine speed, pull the throttle control forward, or toward you if standing in front of the unit. To stop engine pull throttle control all the way toward you.



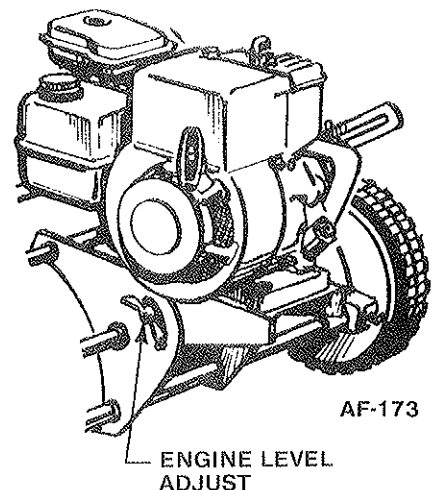
NEUTRAL POSITION



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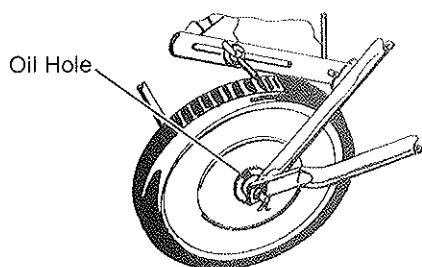
AF-172



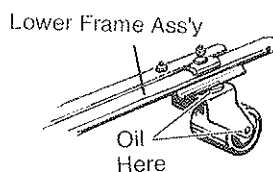
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## MAINTENANCE INSTRUCTIONS

1. Change the engine oil and clean engine air filter according to the instructions in the engine manual.
2. Empty the basket after each use and before storing.
3. The basket material will not rot, but the service life can be greatly extended by keeping it clean and dry.
4. Before using the sweeper for the first time each season, remove both wheels and put good grade of grease on the pinions and in the gears on the wheels.
5. Frequent lubrication of the sweeper will lengthen the service life. Place a few drops of oil in the oil holes in the hub of each wheel and in the swivel bearings and axles of the casters before each use.

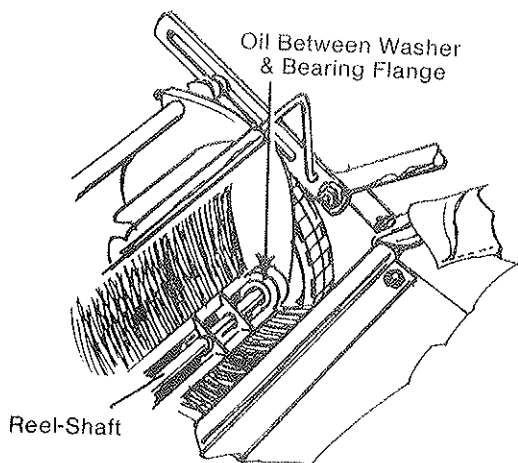


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6. Also place a few drops of oil in the brush reel bearings in the side plates, and on the clutch and throttle control wires.



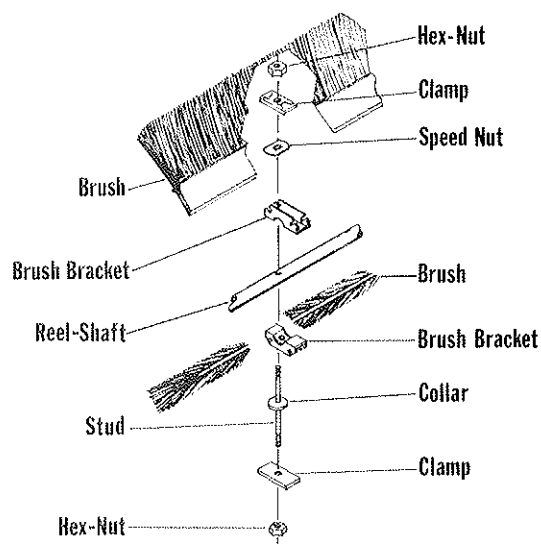
AF-104

### BRUSH CARE & REPLACEMENT

**NOTE:** Should the brush bristles become bent from use, reverse the position of the brushes on the reel shaft. Never allow the brushes to remain in a bent position against any object for any length of time as they will become set in that position.

### TO REMOVE BRUSHES

1. Raise brushes to the highest position.
2. Tilt the engine forward to provide the working clearance around the sweeper head.
3. Notice the brush stud has a collar fitting against one of the brush brackets holding it against the reel shaft.
4. Remove the hex nuts and brush clamps from the end of all four studs, on the sides with the collars.
5. Remove the four brushes from the brush bracket slots.
6. Remove the hex nut and brush clamps from the opposite end of the studs. Remove other four brushes but **DO NOT** remove the retainer (this would allow the stud to fall out of reel shaft releasing the brush brackets).



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### TO REPLACE BRUSHES

1. Turn the reel shaft so you can position the brush strips in the slots of the brush brackets that are held on the stud by the retainer (NOT THE COLLAR).
2. Replace four of the brushes on this side.
3. Replace brush clamps and finger tighten hex nuts. Be sure brushes are all the way down in all the brush brackets.
4. Turn the reel shaft so the installed brush strips are away from you.
5. Repeat steps 2 and 3 for the remaining four brushes.
6. Tighten all nuts.



PARKER SWEEPER COMPANY    SPRINGFIELD, OHIO

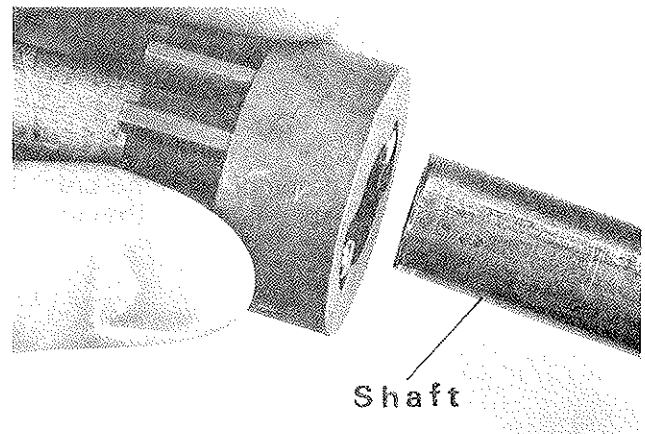
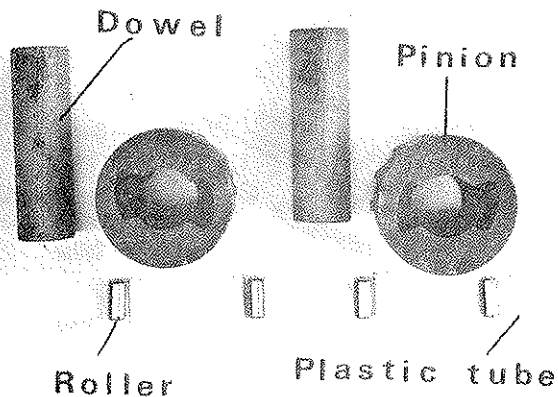
# SERVICE BULLETIN

## HOW TO RE-INSTALL PINIONS ON SELF-PROPELLED SCAVENGERS

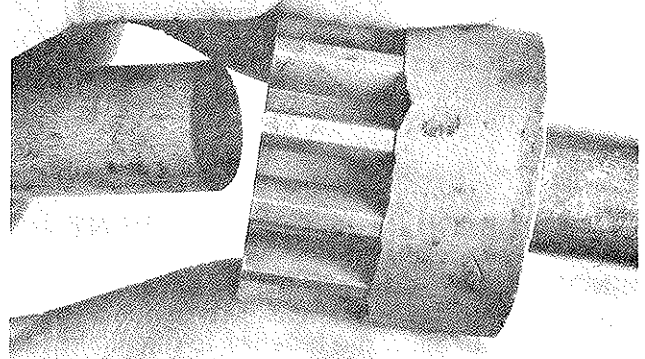
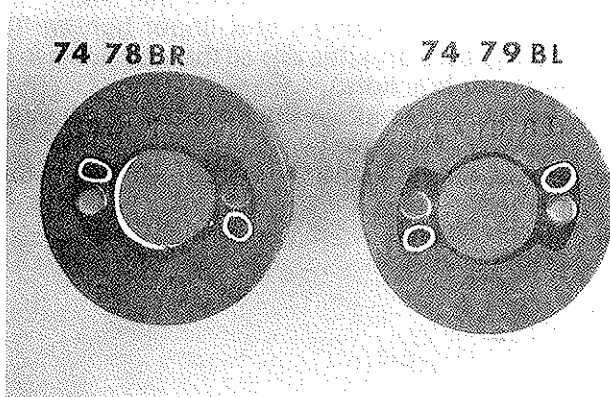
November 1989

If for some reason you have found it necessary to remove the pinions, you should carefully follow the following instructions.

- (1) To assist you, we suggest using a piece of wood doweling or plastic material  $5/8''$  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.
- (4) Pinion with part number **74-79 BL** is to be replaced on the **right** side of the shaft. Part Number **74-78 BR** is for the **left** side. Line up the pinion (leaving the dowel in place) with the shaft as shown.

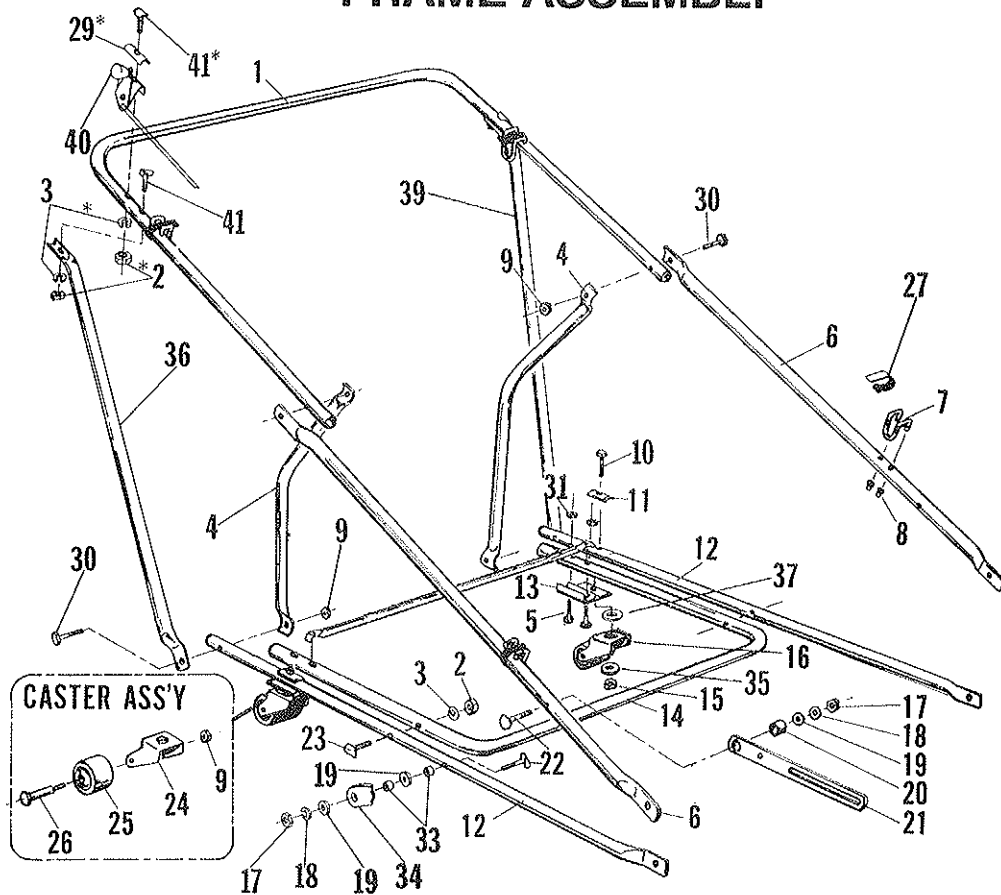


- (2) Insert the wooden dowel into the pinion.
- (3) Identify your pinion part number and insert the metal rollers. Place the plastic tubing in the cavity between the metal roller and the wall of the cavity. You may have to force the plastic tubing into this space but it is resilient and is supposed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

# FRAME ASSEMBLY

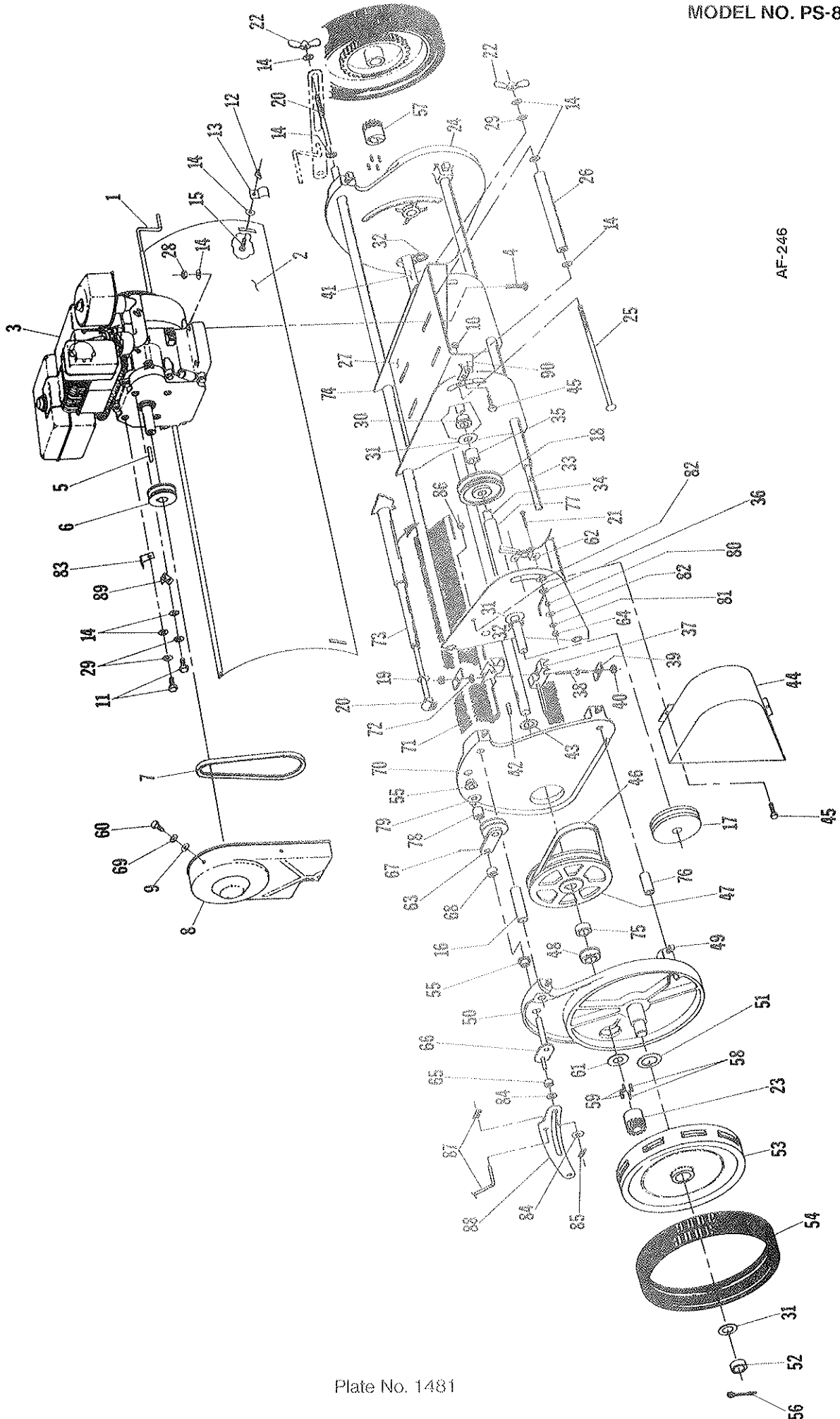


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## PARTS LIST

| Ref. No. | Part No.  | Qty. Per Unit | Description                  | Ref. No. | Part No.  | Qty. Per Unit | Description                      |
|----------|-----------|---------------|------------------------------|----------|-----------|---------------|----------------------------------|
| 1        | 82-83-C   | 1             | Upper Handle                 | 21       | 60-21-A   | 2             | Adjusting Bracket                |
| 2        | 335-416   | 5             | Nut, Hex. Plain, 1/4-20      | 22       | 69-516-24 | 3             | Bolt, Contour Hd., 5/16-18x1 1/2 |
| 3        | 935-416   | 5             | Lockwasher, Spring, 1/4      | 23       | 69-416-28 | 2             | Bolt, Contour Hd., 1/4-20x1 3/4  |
| 4        | 75-52-B   | 2             | Handle Support               | 24       | 76-136-B  | 2             | Caster Fork                      |
| 5        | 65-416-20 | 4             | Bolt, Hex. Hd., 1/4-20x1 1/4 | 25       | 76-58-A   | 2             | Caster Roller                    |
| 6        | 76-418-B  | 2             | Lower Handle                 | 26       | 76-202-A  | 2             | Caster Axle                      |
| 7        | 80-110-A  | 4             | Basket Support               | 27       | 78-123-A  | 4             | Retainer Clip                    |
| 8        | 77-10-A   | 8             | Push Nut                     | 28       | 76-417-B  | 1             | Lower Side Frame                 |
| 9        | 365-416   | 6             | Nut, Hex. Lock 1/4-20        | 29       | 80-181-A  | 1             | Bracket Clamp                    |
| 10       | 65-516-32 | 2             | Bolt, Hex. Hd., 5/16-18x2    | 30       | 65-416-24 | 4             | Bolt, Hex. Hd., 1/4-20x1 1/2     |
| 11       | 59-77-A   | 2             | Tube Clamp                   | 31       | 364-416   | 4             | Nut, Hex. Lock Thin, 1/4-20      |
| 12       | 82-76-A   | 1             | Lower Frame Mod.             | 33       | 54-227-A  | 2             | Spacer                           |
| 13       | 76-81-B   | 2             | Caster Plate                 | 34       | 82-71-B   | 1             | Pivot Arm                        |
| 14       | 82-88-B   | 1             | Frame Support                | 35       | 82-138-B1 | 2             | Special Washer                   |
| 15       | 365-516   | 2             | Nut, Hex. Lock, 5/16-18      | 36       | 82-78-C   | 1             | Handle Truss, R.H.               |
| 16       | SA-578-B  | 2             | Caster Assembly              | 37       | 78-130-A  | 2             | Bearing                          |
| 17       | 335-516   | 3             | Nut, Hex. Plain, 5/16-18     | 38       | 79-108-B  | 1             | Basket Support                   |
| 18       | 935-516   | 3             | Lockwasher, Spring, 5/16     | 39       | 82-79-C   | 1             | Handle Truss, L.H.               |
| 19       | 945-516   | 4             | Flatwasher, 5/16             | 40       | SA-1054-B | 1             | Shifter Assy.                    |
| 20       | 54-227-A  | 2             | Spacer                       | 41       | 69-416-20 | 3             | Bolt, Cont. Hd. 1/4-20x1 1/4     |

\* Supplied with Item 40



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## SWEEPER UNIT ASSEMBLY

## PARTS LIST

| Ref. No. | Part No.   | Qty. Per Unit | Description                             | Ref. No. | Part No.     | Qty. Per Unit | Description                    |
|----------|------------|---------------|---|----------|--------------|---------------|--------------------------------|
| 1        | 76-443-A   | 2             | Hood Control Rod                        | 46***    | 89-90-A      | 1             | Vee Belt                       |
| 2        | 89-130-C   | 1             | Hood & Silkscreen                       | 47       | 75-44-B      | 1             | Reel Shaft Sheave              |
| 3        | *****      | 1             | Engine - 3 H.P. B&S I/C                 | 48       | 68-60-A      | 2             | Reel Shaft Bearing             |
| 4        | 65-516-24  | 4             | Bolt, Hex Hd. 5/16-18x1 1/2             | 49       | 560-C-516-10 | 6             | Screw, Sq. Hd. Set 5/16-18x5/8 |
| 5        | 48-277-A   | 1             | Engine Key                              | 50       | 82-61-C      | 1             | Side Plate R.H.                |
| 6        | 89-131-A   | 1             | Sheave                                  | 51       | 946-1216-24  | 2             | Fiber Washer                   |
| 7****    | 89-89-A    | 1             | Vee Belt                                | 52       | 77-81-A      | 2             | Axle Spacer                    |
| 8        | 89-96-C    | 1             | Belt Guard                              | 53       | 49-377-C     | 2             | Wheel                          |
| 9        | 945-416    | 3             | Flatwasher, Plain 1/4                   | 54       | 78-124-C     | 2             | Tire                           |
| 10       | 365-416    | 1             | Nut, Hex Lock 1/4-20                    | 55       | 82-63-A      | 2             | Bearing                        |
| 11       | 60-516-10  | 2             | Bolt, Hex Hd. 5/16-24x5/8               | 56       | 380-764-16   | 2             | Cotter Pin                     |
| 12       | 351-416-18 | 2             | Wing Nut 1/4-20                         | 57       | 74-78-RC     | 1             | Pinion R.H.                    |
| 13       | 80-34-B    | 2             | Hood Clamp                              | 58       | 74-80-A      | 4             | Pawl                           |
| 14       | 945-516    | 13            | Flatwasher, Plain 5/16                  | 59       | 76-37-A      | 4             | Pawl Spring                    |
| 15       | 70-416-12  | 2             | Bolt, Carriage Hd. 1/4-20x3/4           | 60       | 65-416-10    | 3             | Bolt, Hex Hd. 1/4-20x5/8       |
| 16       | 78-17-A    | 1             | Reel Spacer                             | 61       | 50-33-A      | 2             | Special Washer                 |
| 17       | 80-283-A   | 1             | Sheave                                  | 62       | 83-25-B20    | 1             | Throttle Control               |
| 18       | 76-430-A   | 1             | Jack Shaft Sheave                       | 63       | 89-87-B      | 1             | Clutch Arm Weldment            |
| 19       | 945-616    | 1             | Flatwasher, Plain 3/8                   | 64       | 364-10       | 2             | Nut, Hex Lock (Thin) #10-24    |
| 20       | 76-442-A   | 1             | Adjusting Bolt                          | 65       | 51-23-A      | 1             | Spacer                         |
| 21       | 515-10-12  | 2             | Screw, Rd. Hd. Mach. #10-24x3/4         | 66       | 82-74-A      | 1             | Clutch Weldment                |
| 22       | 73-71-A    | 2             | Wing Nut                                | 67       | 71-06-A      | 1             | Spiral Pin                     |
| 23       | 74-79-LC   | 1             | Pinion L.H.                             | 68       | 62-132-A     | 1             | Spacer                         |
| 24       | 71-05-LD   | 1             | Side Plate L.H.                         | 69       | 935-416      | 3             | Lockwasher, Spring 1/4         |
| 25       | 70-516-104 | 1             | Engine Adjusting Bolt                   | 70       | 82-62-C      | 1             | Inner Side Plate               |
| 26       | 76-422-A   | 1             | Tube Clamp                              | 71       | 1200-14.5-C  | 8             | Brush Strip                    |
| 27       | 76-421-C   | 1             | Engine Mount                            | 72       | 75-89-A      | 4             | Stud Retainer                  |
| 28       | 365-516    | 4             | Nut, Hex Lock 5/16-18                   | 73       | 76-428-A     | 1             | Adjusting Tube                 |
| 29       | 937-516    | 1             | Lockwasher, Ext. Tooth 5/16             | 74       | 79-08-B      | 1             | Engine Mount Weldment          |
| 30       | 76-435-A   | 3             | Jack Shaft Bearing                      | 75       | 79-11-A      | 1             | Pulley Spacer                  |
| 31       | 946-816-16 | 5             | Fiber Washer                            | 76       | 79-13-A      | 1             | Tie Rod Spacer                 |
| 32       | 83-205-A   | 2             | Retaining Ring                          | 77       | 89-91-B      | 1             | Shaft Protector                |
| 33       | 76-429-A   | 1             | Tie Rod                                 | 78       | 78-76-A      | 1             | Spacer                         |
| 34       | 89-88-B    | 1             | Jack Shaft                              | 79       | 67-649-A     | 1             | Special Washer                 |
| 35       | 85-76-A    | 1             | Spacer                                  | 80       | 80-46-A      | 1             | Bearing                        |
| 36       | 70-71-A    | 1             | Belt Popper                             | 81       | 945-10       | 2             | Flatwasher, Plain #10          |
| 37       | 74-13-C    | 8             | Brush Bracket                           | 82       | 960-416      | 3             | Flatwasher, Plain (Wide) 1/4   |
| 38       | 74-16-A    | 4             | Brush Stud                              | 83       | 88-42-A      | 1             | Bracket Weldment               |
| 39       | 69-04-A    | 8             | Brush Clamp                             | 84       | 960-516      | 2             | Flatwasher, Plain (Wide) 5/16  |
| 40       | 362-416    | 8             | Nut, Hex Lock-Serrated Flange<br>1/4-20 | 85       | 75-80-A      | 1             | Shaft Retainer                 |
| 41       | 79-09-B    | 1             | Reel Shaft                              | 86       | 364-416      | 2             | Nut, Hex Lock (Thin) 1/4-20    |
| 42       | 72-246-A   | 1             | Key                                     | 87**     | Reference    | —             | Clutch Rod & Retainer          |
| 43       | 55-161-A   | 2             | Special Washer                          | 88*      | 82-71-B      | 1             | Pivot Arm                      |
| 44       | 82-77-B    | 1             | Belt Guard                              | 89       | 89-93-A      | 1             | Bracket Weldment               |
| 45       | 65-416-8   | 3             | Bolt, Hex Hd. 1/4-20x1/2                | 90       | 89-95-A      | 1             | Bracket Weldment               |

\* Also shown on Plate No. 1483, Ref. No. 34, for clarity of assembly.

\*\* Supplied with Ref. No. 40 on Plate No. 1483.

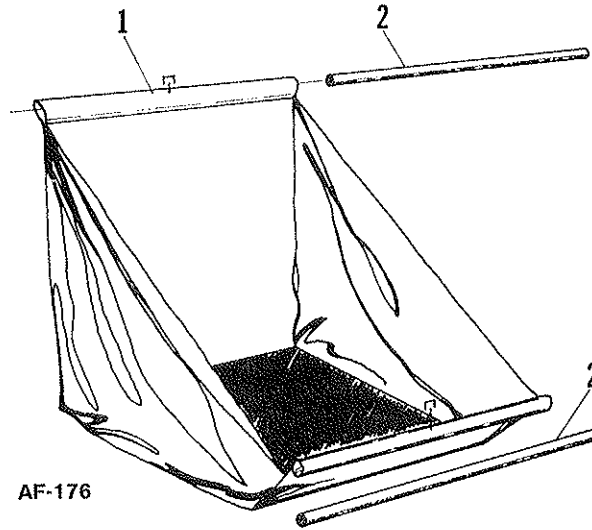
\*\*\* Gates, Truflex 1300 Static Safe (NO SUBSTITUTE)

\*\*\*\* Gates, 3L 240 (NO SUBSTITUTE)

\*\*\*\*\* Briggs & Stratton Model No. 082332 type 0161 trim 01

135332

## BASKET ASSEMBLY



AF-176

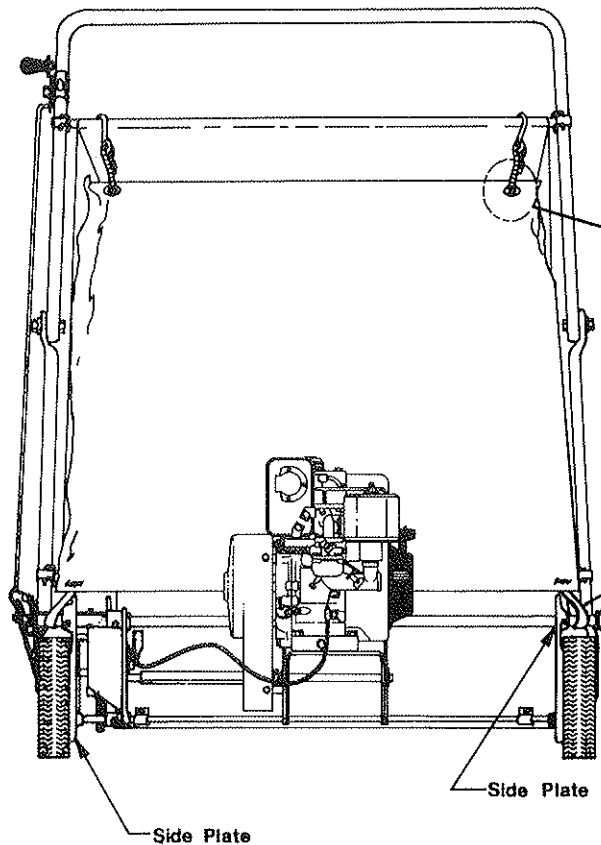
### PARTS LIST

| Ref. No. | Part No. | Qty. Per Unit | Description of Part    |
|----------|----------|---------------|------------------------|
| 1        | SA-796-D | 1             | Basket                 |
| 2*       | 77-13-A  | 2             | Basket Rod             |
| 3        | SA-985-B | 1             | Wind Apron (Not Shown) |

\* Supplied with item 1, but can be purchased separately.

### WIND APRON ATTACHMENT

Remove wing nut and flat washer. Pull bolt out slowly, take off second flat washer and finish pulling bolt out. There is one flat washer on opposite side — be sure to replace it in same position. Place apron loops on adjusting tube next to side plate on outside. Replace bolt, flat washers and wing nut. Readjust brushes to proper height. Fasten hooks at top basket rod up against basket support brackets.



Loops must be placed on outside of side plate, as shown.

AF-412