



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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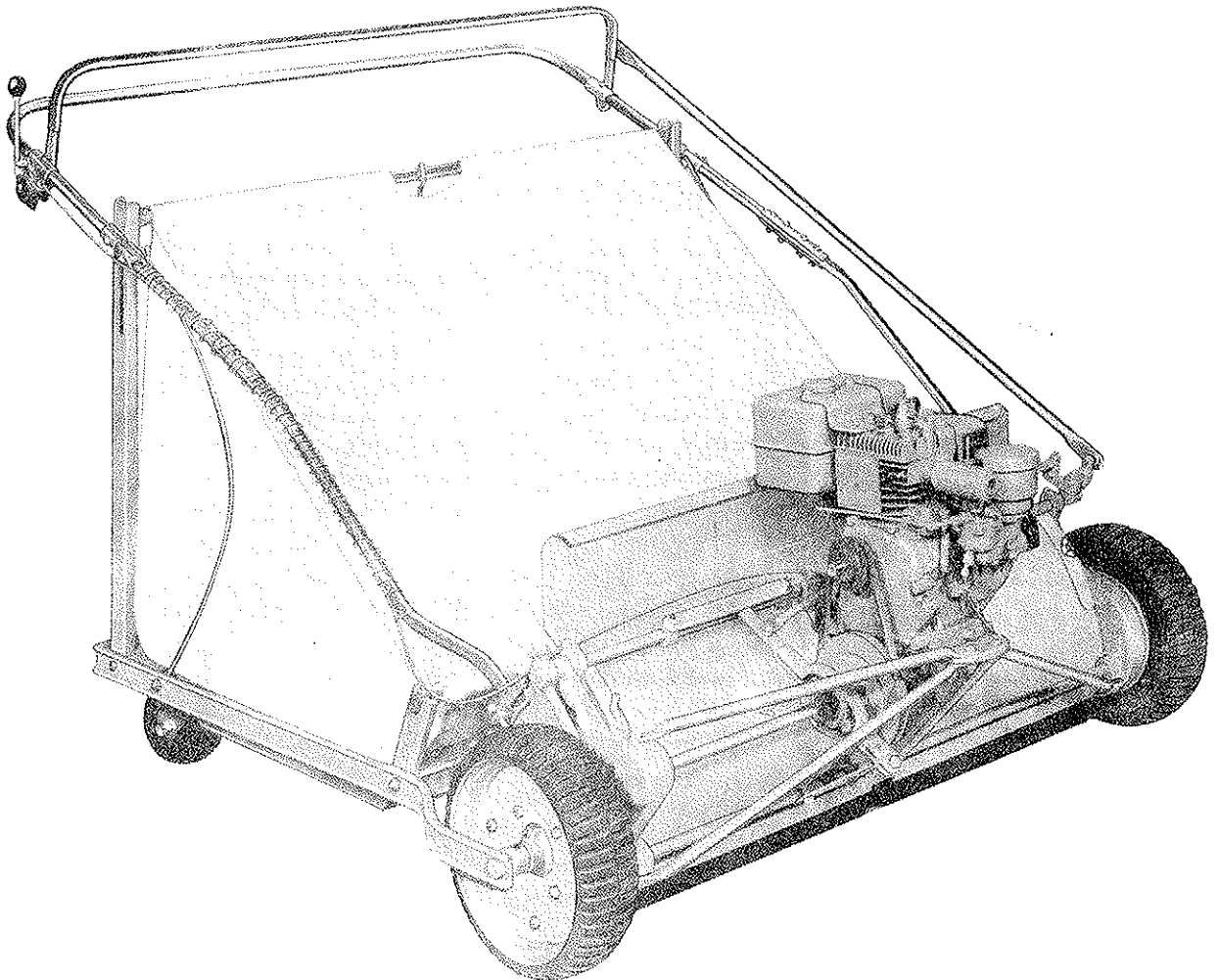
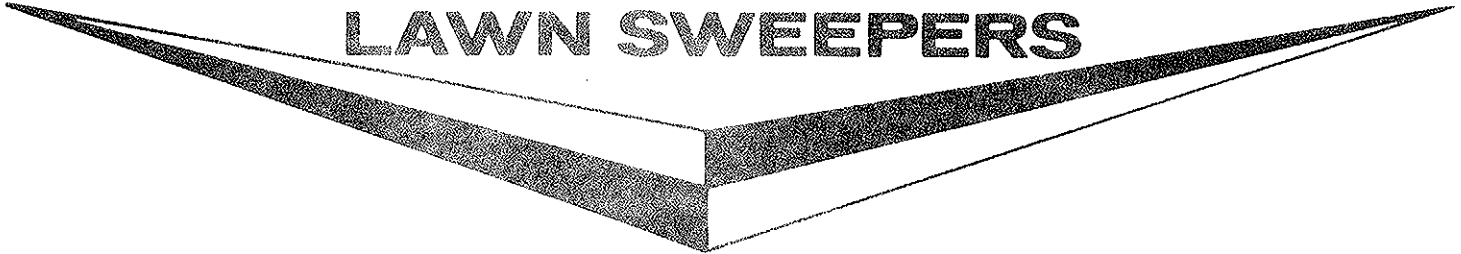
MODEL PM 6236

PARKMASTER

10-9-63

OWNERS GUIDE


Parker
LAWN SWEEPERS



The **Parker** SWEEPER COMPANY • SPRINGFIELD, OHIO

ASSEMBLY AND OPERATING INSTRUCTIONS FOR THE MODEL PM-6236 PARKMASTER POWER LAWN SWEEPER

Please read these instructions through very carefully before attempting to set up and run. After reading the instructions through, proceed with the set-up as follows:

NOTE — Refer to the exploded view and reference numbers for parts identification.

UNPACKING INSTRUCTIONS

1. After removing carton from base, lower sweeper onto casters and discard base.
2. Unwrap canvas (Ref. No. 103) and check items inside with following list:
 - 1 Wind Apron (Ref. No. 99)
 - 2 Handle Support Springs with hardware (Ref. No. 96)
 - 1 Tube containing Cable Spring (Ref. No. 65)
 - 1 Clutch Rod (Ref. No. 56)
3. Check items in envelope with following list:
 - 1 Engine Instruction Book
 - 1 Engine Starter Rope
 - 1 Allen Wrench for $\frac{3}{16}$ set screw (Ref. No. 70)
 - 1 Guarantee Card
 - 1 Customer Purchase Record Post Card
4. Remove the two wires that hold the handle assembly (Ref. No. 82) to the basket support frame (Ref. No. 98). Also remove wire holding clutch bar (Ref. No. 5) to handle assembly (Ref. No. 82).

ASSEMBLY INSTRUCTIONS

1. Lift the upper handle section (Ref. No. 82) and pull it straight back and lay this handle assembly at the rear of the machine with the throttle handle and clutch bar up.
2. Remove the two round head machine screws (Ref. No. 77) that are located at the end of each of the upper handle (Ref. No. 82). Loosen but do not remove the other two screws that hold the couplings (Ref. No. 84) to the lower handle sections (Ref. No. 85). Do this on both sides of the machine.
3. Insert the ends of the upper handle section (Ref. No. 82) into the loosened couplings, making sure that the throttle control (Ref. No. 73) is up, to the right side of the machine. The right side of the machine is the side to your right when you are standing at the rear end looking forward towards the engine.
4. Replace the two round head machine screws into the handle and couplings. Do this on each side of the machine. Tighten these screws securely.
5. Remove the hex head bolts (Ref. No. 28) and shoulder bushings (Ref. No. 107) which are located about two inches from the rear of the basket frame (Ref. No. 98) at each side of the machine.
6. Place the small end of the bushing (Ref. No. 107) into the round hole which is located at the bottom end of the handle support channel (Ref. No. 94). Place this bushing into the channel from the inside. Place the hex head bolt through the bushing and into the hole of the basket frame from which you removed it and then place the lock washer (Ref. No. 32) and hex nut (Ref. No. 23) and tighten. Do this on both sides of the machine.
7. Remove the hex nut (Ref. No. 22), lock washer (Ref. No. 32), one clamp (Ref. No. 89) from both handle springs (Ref. No. 96). Do not remove the second hex nut, clamp, and the round head screw (Ref. No. 93) that are on each of the handle springs.
8. These springs must be assembled to the machine in the following manner: To make the assembly for the right hand side, hold the spring in your left hand with the loop end up and towards you.

Place this assembly into the inside hole of the right side handle (Ref. No. 82). This hole is located just forward of the handle support channel (Ref. No. 94). Place the other clamp (Ref. No. 89) over the screw that projects through the handle. This clamp must have the inside of the curve towards the handle. Place the lock washer and hex nut and tighten securely.

9. To make the spring assembly for the left hand side, hold the spring in your right hand with the loop up and towards you. Follow the above instructions for the right side from this point on, except assembly will be on the left side of the machine.
10. Turn the handle support spring pivot blocks (Ref. No. 95) which are located about six inches from the rear of the basket support frame (Ref. No. 98) so that the holes in them are up and turned forward to about 45 degrees with the ground. Grasp the lower part of the basket support spring (Ref. No. 96) firmly and insert the end into the hole in the spring pivot block (Ref. No. 95). Do this on both sides of the machine.
11. Loosen but do not remove the round head screw (Ref. No. 30) which is located in the end of the hex swivel which is located just forward of the throttle handle post (Ref. No. 73). Make sure that this pivot turns freely.
12. Loosen the round head screw (Ref. No. 30) that holds the throttle cable clamp (Ref. No. 75) which is located on the shelf projection just forward of the throttle handle assembly. Turn this clamp (Ref. No. 75) around so that the bend is to the inside of the sweeper.
13. Place the throttle wire (Ref. No. 29) into the small hole in the hex swivel and the throttle cable (Ref. No. 68) under the cable clamp (Ref. No. 75) so that the end of the cable is flush with the clamp. Tighten this clamp onto the cable.
14. Push the throttle knob (Ref. No. 74) forward as far as it will go, allow the throttle wire to slip through the hex swivel and do not tighten the throttle wire screw at this time.
15. Refer to page eight (illustration number 3033, of the Engine Instruction book and pull the top speed limit device upwards as far as it will go.
16. Now tighten the screw which holds the throttle wire into the hex swivel. Be sure to hold the hex swivel with a wrench when you tighten the screw and lock nut so that you do not bend the throttle control wire.
17. Remove the cable spring (Ref. No. 65) from the cardboard tube. Wind this spring over the handle and throttle cable, starting at the point just forward of the handle support spring (Ref. No. 96). The throttle cable should run along the outside of the handle, nesting into the slot formed by the two handle couplings (Ref. No. 84). Continue winding down the handle, terminating at the lower curve of the handle.
18. Remove the shoulder bolt (Ref. No. 1) with the two flat washers (Ref. No. 3), one spring washer (Ref. No. 2), and one internal tooth lock washer (Ref. No. 4) from the clutch control bar (Ref. No. 5) which is located on the left side of the machine, about 4 inches from the end of the clutch bar (Ref. No. 5).
19. Place the spring lock washer (Ref. No. 2) next to the head of the shoulder bolt, followed by one flat washer. With the clutch rod (Ref. No. 56) held so that the flat or flush side is towards the clutch bar (Ref. No. 5), place the shoulder bolt into the hole in the clutch rod. Place another flat washer (Ref. No. 3), followed by the internal tooth lock washer (Ref. No. 4) on the screw. Fasten this assembly to the clutch bar back in the threaded hole from which the shoulder bolt was removed. Be sure that the inside flat washer is free and up on the shoulder before tightening, if free, tighten the shoulder bolt (Ref. No. 1).
20. Loosen the square head set screw (Ref. No. 54) which is located in the hex swivel (Ref. No. 55) of the bell crank (Ref. No. 59) just above the left wheel.
21. Remove the shoulder bolt (Ref. No. 1) which is opposite the square head set screw (Ref. No. 54) in the hex swivel post (Ref. No. 55).
22. Remove the hardware in the same manner as you did the above shoulder bolt. Fasten the clutch rod to the hex post and tighten the shoulder bolt, then tighten the square head set screw which locks the shoulder bolt.
23. Place the basket (Ref. No. 103) into the machine as follows: Place the rod with the hook (Ref. No. 102) into the slots of the rear channel supports (Ref. No. 94), the front rod into the front channel supports (Ref. No. 87). Make sure that the basket is turned right side out.
24. The wind apron is installed as follows: Place the metal edge over the curved lip at the top of the sweeper hood (Ref. No. 11) and place the hook at the end of the elastic cord, over the handle, making certain the cord is under the clutch bar and over the basket top rod.

OPERATION, MAINTENANCE AND ADJUSTMENTS

1. Refer to the Engine Instruction book for oiling and other procedure.
2. When the engine is ready to start, have the clutch bar (Ref. No. 5) pulled backwards into the de-clutched position.
3. Start your engine.
4. Adjust engine idle speed with the throttle handle in the full forward position.
5. Cut off the extra throttle wire that projects through the hex swivel, cut this off about a half inch from the hex swivel and bend downwards. Be careful not to bend the throttle wire while doing this.
6. Stop the engine.
7. Adjust the machine so that the engine is level with the ground. To do this, loosen the clamp screws (Ref. No. 67) which are located at the lower end of the handles on each side plate. When engine is level, retighten the clamp screws.
8. Remove and read the tag which is located on the right side of the brush reel shaft for engaging the pin clutch (Ref. No. 138). Remove and read the tag which is located on the drive clutch (Ref. No. 34) just below the engine. After reading these tags, place them in the engine instruction book for future reference.
9. Correct brush height is always relative to the conditions of the turf on which you are sweeping and the best thing to remember is always have your brushes adjusted as high as possible but still sweeping. Having your engine level is a good average trial adjustment. Also, the hood should be adjusted as high as possible without allowing debris to throw ahead of the sweeper. To adjust the hood, loosen the wing nuts (Ref. No. 13) which are located at the outside edge of the hood, next to the side plates. Raise or lower the hood to the desired height and tighten the wing nuts.
10. As the brushes wear or bend over with use and the brush tips do not contact the secondary hood (Ref. No. 49) the sweeping action will reduce to the extent that the debris will not flow to the rear of the basket. When this occurs, loosen the wing nuts (Ref. No. 20) and hex nuts which are located about ten inches from the side plates towards the center of the hood. Loosen the nuts so that the patented secondary hood springs out towards the brush tips. When the brush tips lightly touch this secondary hood, tighten the wing nuts while holding the hex nuts with a wrench. This will hold the secondary hood in adjustment. When the brushes wear down to a point that they no longer will touch the secondary hood with it fully adjusted, replace with new brushes.
11. To tighten the drive belt (Ref. No. 10) raise the engine by transposing the extra flat washers provided, from the top of the engine base to under the engine base.
12. Lubricate as follows: Refer to the Engine Instruction book for the engine, and to the tag which was removed from the clutch for clutch lubrication.

Grease fittings are provided at each wheel hub, also at each end of the brush reel shaft. These points are lubricated with a grease gun.

ALL of the other moving parts should be oiled with a drop or two of SAE-20 oil whenever used or about every other day while the sweeper is being used. To oil the wheel gears (Ref. No. 119) simply drop some oil in the two oil holes that are provided in each side plate.

CAUTION — Do not maneuver this machine by the clutch bar. Turning around, pushing or pulling backwards must be done with the handle only or severe damage will be done to the clutch bar linkage.

Keep your sweeper in good adjustment and well lubricated. Store in a clean, dry place when not in use. For winter storage, drain the gas tank and run the engine to empty the carburetor and fuel line.

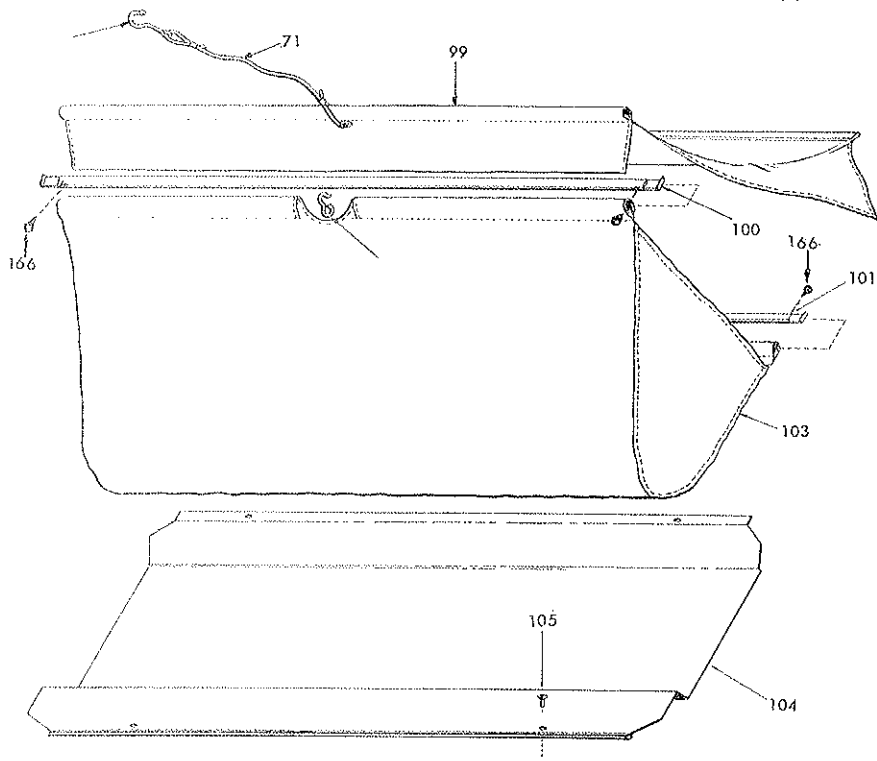
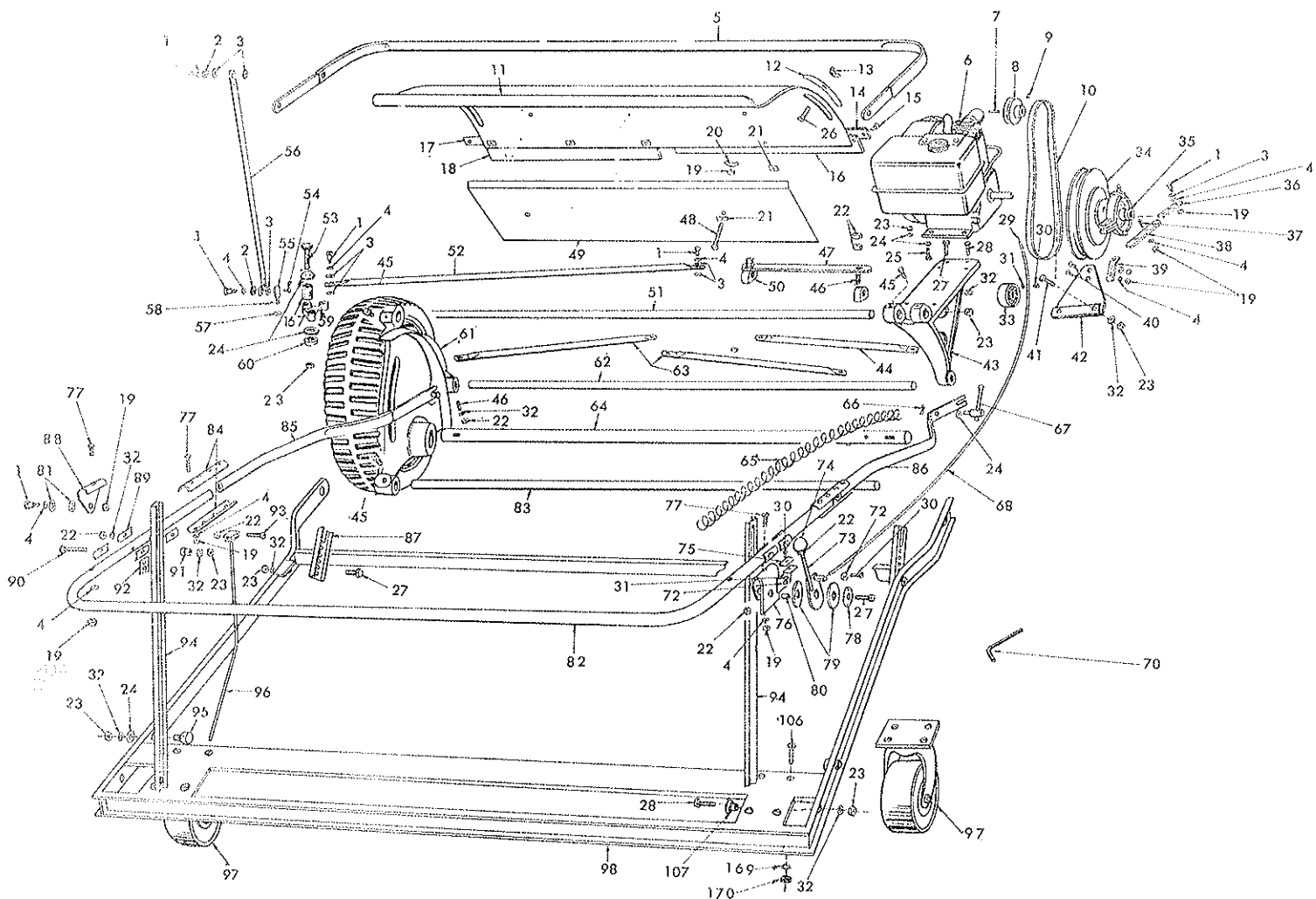
REPAIR PARTS: To eliminate errors and delay in shipping orders, always give the following information. The Model Number, found on the Hood and on the Left Hand Side Plate; year made or purchased; and the Serial Number found on the Side Plate. Order all parts from your nearest dealer.

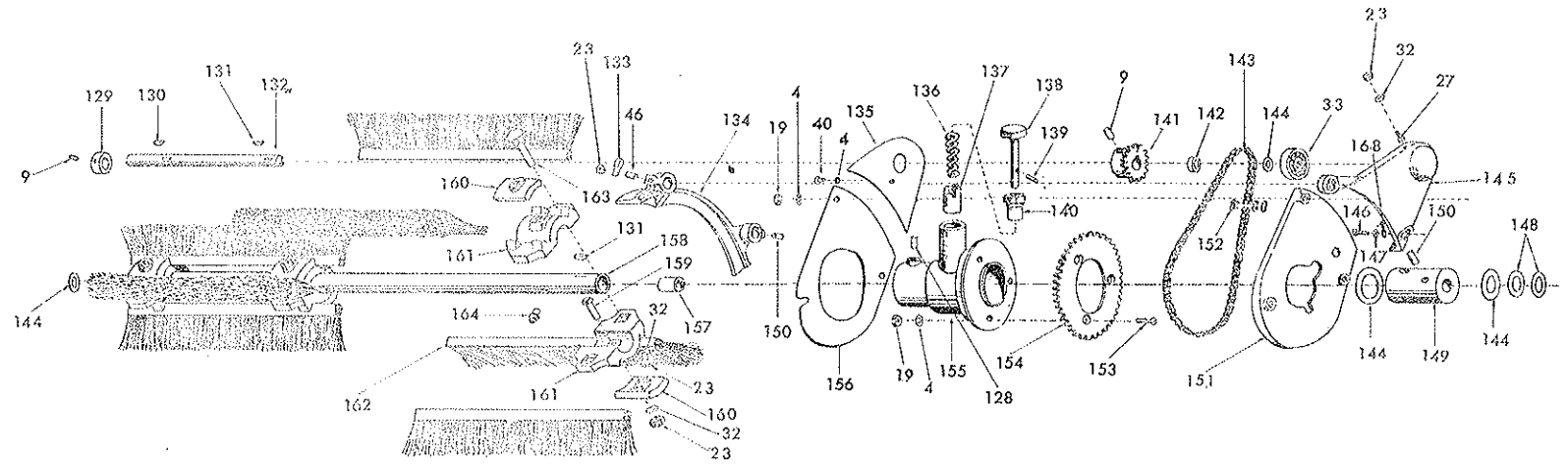
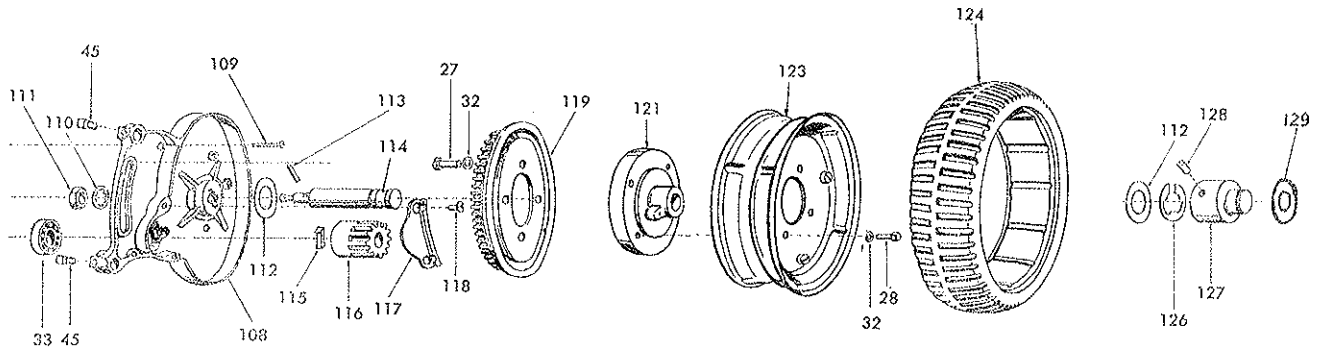
To make valid your guarantee, make certain you have returned your serial identification card.

Contact your nearest Engine Dealer for engine service and parts.

PARKMASTER POWER LAWN SWEEPER	SIZE 36"	PRODUCTION YEAR 1962	MODEL No. PM-6236
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Ref. No.	Part No.	Qty. Per Unit	Description	Ref. No.	Part No.	Qty. Per Unit	Description
1	55-144-A	7	Shoulder Bolt	43	49-74-D	1	Engine Mtg. Bracket
2	935-616	2	Spring Washer $\frac{3}{8}$	44	56-52-B	1	Top Brace
3	53-16-A	9	Washer	45	560-C-516-10	7	Sq. Head Set Screw ($\frac{5}{16}$ -18 x $\frac{3}{8}$)
4	936-416	30	Internal Tooth Lock Washer $\frac{1}{4}$	46	564-C-516-16	5	Allen Head Set Screw ($\frac{5}{16}$ -18 x 1)
5	56-10-D	1	Clutch Bar Handle	47	56-37-B	1	Friction Strip
6	56-104-A	1	Engine (Briggs & Stratton 6B)	48	515-416-24	2	Round Head Mach. Screw ($\frac{1}{4}$ -20 x 1 $\frac{1}{2}$)
7	48-277-A	1	Key ($\frac{3}{8}$ sq. x 1 $\frac{1}{8}$ long)	49	56-57-C	1	Hood Baffle
8	58-41-A	1	V-Belt Pulley	50	56-36-A	2	Collar
9	564-C-516-4	3	Allen Head Set Screw ($\frac{5}{16}$ -18 x $\frac{1}{4}$)	51	56-23-B	1	Top Tie Rod
10	54-128-A	1	V-Belt	52	56-35-B	1	Transverse Clutch Rod Lever
11	56-58-F	1	Hood Assy.	53	65-516-36	1	Hex Hd. Mach. Bolt ($\frac{5}{16}$ -18 x 2 $\frac{1}{4}$)
12	49-11-A	2	Hood Clamp	54	560-C-416-6	1	Sq. Head Set Screw ($\frac{1}{4}$ -20 x $\frac{3}{8}$)
13	351-516-20	2	Wing Nut ($\frac{5}{16}$ -18 x 1 $\frac{1}{4}$)	55	56-26-A	1	Pivot Pin
14	49-251-B	1	R. H. Metal Hood Ext.	56	56-22-B	1	Clutch Control Lever (upper)
15	305-416-12	6	Flat Head Mach. Screw ($\frac{1}{4}$ -20 x $\frac{3}{4}$)	57	46-81-A	1	Washer
16	49-248-B	1	R. H. Rubber Hood Ext.	58	53-65-A	1	Roll Pin
17	49-250-B	1	L. H. Metal Hood Ext.	59	56-21-B	1	Bell Crank Lever
18	49-249-B	1	L. H. Rubber Hood Ext.	60	56-25-B	1	Clutch Control Block
19	335-416	27	Hex Nut ($\frac{1}{4}$ -20)	61	49-91-LE	1	L. H. Side Plate
20	351-416-18	2	Wing Nut ($\frac{1}{4}$ -20)	62	49-258-A	1	Front Tie Rod
21	346-416	8	Speed Nut ($\frac{1}{4}$ -20)	63	49-269-B	2	Bottom Tie Rod Brace
22	340-516	13	Hex Jam Nut ($\frac{5}{16}$ -18)	64	49-254-B	1	Reel Shaft
23	335-516	34	Hex Nut ($\frac{5}{16}$ -18)	65	54-162-A	1	Spring — Cable Wrap
24	945-516	18	Washer $\frac{3}{8}$	66	380-232-8	2	Cotter Pin ($\frac{1}{8}$ x $\frac{1}{2}$)
25	65-516-32	4	Hex Hd. Mach. Bolt ($\frac{5}{16}$ -18 x 2)	67	56-56-A	2	Adj. Screw Handle Assy.
26	66-516-12	2	Sq. Hd. Mach. Bolt ($\frac{5}{16}$ -18 x $\frac{3}{4}$)	68	20-84-6	1	Conduit Control Cable $\frac{3}{8}$
27	65-516-12	13	Hex Hd. Mach. Bolt ($\frac{5}{16}$ -18 x $\frac{3}{4}$)	69	54-209-A	1	Hook — Wind Apron
28	65-516-16	11	Hex Hd. Bolt ($\frac{5}{16}$ -18 x 1)	70	49-296-A	1	Allen Wrench $\frac{3}{8}$
29	30-88-.054	1	Control Cable Wire	71	49-295-A-4	1	Elastic Cord
30	515-8-8	2	Round Head Mach. Screw (8-32 x $\frac{1}{2}$)	72	335-8	2	Nut (8-32)
31	936-10	1	Lock Washer #10	73	55-131-B	1	Throttle Handle Assy.
32	936-516	49	Internal Tooth Lock Washer $\frac{3}{8}$	74	55-130-A	1	Ball Knob Handle
33	51-37-A	4	Ball Bearing	75	55-136-A	1	Throttle Cable Clamp
34	56-8-A	1	Disc Clutch	76	55-138-B	1	Clutch and Throttle Bracket Assy.
35	56-9-A	1	Clutch Fork (set 2)	77	515-416-20	10	Rd. Hd. Screw ($\frac{1}{4}$ -20 x 1 $\frac{1}{2}$)
36	56-15-A	1	Lower Clutch Fork Ext.	78	53-165-A	1	Cupped Washer
37	515-416-16	4	Round Head Mach. Screw ($\frac{1}{4}$ -20 x 1)	79	55-156-A	2	Washer
38	56-16-A	1	Upper Clutch Fork Ext.	80	55-132-A	1	Throttle Spacer
39	56-17-A	1	Clutch Bracket	81	945-616	5	Washer $\frac{3}{8}$
40	515-416-8	3	Round Head Mach. Screw ($\frac{1}{4}$ -20 x $\frac{1}{2}$)	82	56-20-D	1	Upper Handle
41	65-516-20	2	Hex Hd. Mach. Bolt ($\frac{5}{16}$ -18 x 1 $\frac{1}{4}$)	83	49-257-A	1	Rear Tie Rod
42	50-72-B	1	Clutch Bracket	84	53-44-B	2	Handle Clamp (set 2)
				85	56-28-LD	1	L. L. Handle Assy.
				86	56-28-RD	1	L. R. Handle Assy.
				87	52-110-A	2	Lower Basket Hanger
				88	55-134-A	1	Clutch Bracket
				89	45-84-A	8	Handle Clamp





Ref. No.	Part No.	Qty. Per Unit	Description	Ref. No.	Part No.	Qty. Per Unit	Description
90	76-516-32	2	Carriage Bolt ($\frac{3}{16}$ -18 x 2)	130	280-9	1	Woodruff Key
91	45-53-A	2	Spacer	131	280-5	2	Woodruff Key
92	53-55-A	2	Top Basket Rod Clip	132	56-29-A	1	Jack Shaft
93	515-516-32	2	Round Head Mach. Screw ($\frac{3}{16}$ -18 x 2)	133	47-229-A	1	Control Cable Clip
94	52-109-B	2	Handle Support	134	49-246-C	1	Inner Side Plate
95	49-261-A	2	Spring Pivot Block	135	47-101-B	1	Belt Guard Cover
96	49-252-B	2	Handle Support Spring Assy.	136	47-86-A	1	Clutch Spring
97	62-52-A	2	5" Wheel Caster	137	47-90-A	1	Clutch Pin Sleeve
98	62-51-C	1	Basket Frame Assy.	138	47-98-A	1	Clutch Drive Pin Assy.
99	56-60-D	1	Wind Apron Assy. (Model WPM-5636)	139	47-89-A	1	Clutch Spring Pin
100	53-53-B	1	Top Basket Rod	140	47-85-A	1	Clutch Spring Retainer
101	53-54-B	1	Bottom Basket Rod	141	47-222-A	1	Sprocket (12 tooth)
102	48-282-A	1	Hook	142	56-76-A	1	Spacer
103	56-55-D	1	Basket Canvas	143	47-280-A	1	Roller Chain (140 links)
104	49-302-C	1	Basket Bottom	144	946-1016-16	4	Fiber Washer
105	535-10-6	4	Drive Screw (10 x $\frac{3}{8}$)	145	47-97-C	1	Jack Shaft Bracket
106	505-616-20	8	Flat Head Mach. Screw ($\frac{3}{16}$ -16 x 1 $\frac{1}{4}$)	146	524-416-20	1	Soc. Hd. Cap Screw ($\frac{1}{4}$ -20 x 1 $\frac{1}{4}$)
107	49-260-A	2	Spacer	147	945-416	1	Washer $\frac{1}{4}$
108	56-24-RE	1	R. H. Side Plate	148	55-161-A	4	Washer
109	515-416-32	3	Round Head Mach. Screw ($\frac{1}{2}$ -20 x 2)	149	49-255-A	1	Clutch Spacer
110	936-816	2	Internal Tooth Lock Washer $\frac{1}{2}$	150	564-C-516-8	2	Allen Head Set Screw ($\frac{3}{16}$ -18 x $\frac{1}{2}$)
111	345-816	2	Hex Jam Nut ($\frac{1}{2}$ -20)	151	47-94-C	1	Chain Guard
112	946-1416-20	4	Fiber Washer	152	47-282-A	1	Connector Link
113	53-29-A	2	Drive Lock Pin	153	505-416-16	3	Flat Head Mach. Screw ($\frac{1}{4}$ -20 x 1)
114	47-242-A	2	Axle Stud	154	47-88-A	1	Sprocket (40 tooth)
115	45-25-A	2	Pawl	155	47-84-B	1	Clutch Housing
116	56-18-RC	1	R. H. Pinion	156	47-96-B	1	Chain Guard Cover
116	56-19-LC	1	L. H. Pinion	157	49-292-A	2	Needle Bearing
117	48-226-A	2	Pinion Cover	158	49-253-B	1	Reel Tube
118	505-416-8	4	Flat Head Mach. Screw ($\frac{1}{4}$ -20 x $\frac{1}{2}$)	159	66-516-24	8	Sq. Hd. Machine Bolt ($\frac{3}{16}$ -18 x 1 $\frac{1}{2}$)
119	47-243-C	2	Wheel Gear	160	49-432-B	8	Brush Bracket Cap
121	62-53-B	2	Hub Sub Assy.	161	49-431-B	8	Brush Bracket
123	62-47-A	4	Wheel Rim	162	56-130-B	1	Brush Assy. (set 8)
124	62-46-B	2	Tire	163	70-516-24	8	Carriage Bolt ($\frac{3}{16}$ -18 x 1 $\frac{1}{2}$)
126	997-1416	2	Retaining Ring Washer $\frac{3}{8}$	164	286-A-3	2	Alemite Fitting #1792
127	47-325-A	2	Axle Extension	165	56-31-D	1	Handle Assy. Complete
128	564-C-516-6	4	Allen Head Set Screw ($\frac{3}{16}$ -18 x $\frac{3}{8}$)	166	530-14-8	8	Rd. Hd. Sheet Metal Screw
129	56-53-A	1	Collar	167	57-105-A	1	Spacer
				168	945-10	1	Washer
				169	936-616	8	Lock Washer
				170	335-616	8	Hex Nut

INSTRUCTIONS FOR ORDERING PARTS

- Order all parts from your nearest Authorized Parker Service Station. Orders received at the factory will be referred to the nearest Authorized Parker Service Station.
- Print your name and address clearly — state shipping address if different from mailing address.
- Specify sweeper model number (found on side plate or hood) and length of brushes.
- Give part number and name as shown on parts list.
- Specify quantity.
- If a part cannot be identified, return it with your order. (Do not ship any parts to the factory.)

The words "right" and "left" refer to the sides of the sweeper when facing in the direction machine travels in use.