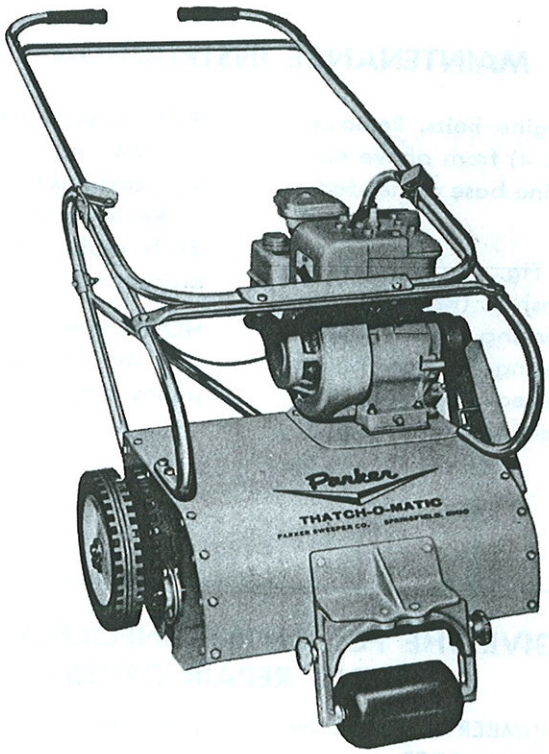
ASSEMBLY INSTRUCTIONS
OPERATING INSTRUCTIONS
AND PARTS LIST
FOR

Parker

THATCH-O-MATIC
MODEL PR-6616

POWER RAKE



NOTICE: These instructions were written to assist you in assembling your Power Rake quickly and correctly. Read instructions thoroughly before attempting assembly so that you are familiar with the complete procedure.

PARKER SWEEPER COMPANY
BOX 720 SPRINGFIELD, OHI

ASSEMBLY INSTRUCTIONS

1. Remove Power Rake from carton and place on ground or floor in upright position.
2. Remove upper part of handle from individual carton. Insert lower end under anchor plate, Item 18, Figure 1. Place handle in channel by turning locks, Items 9 and 11, Figure 1, and secure into place by turning locking cams into position.

OPERATING INSTRUCTIONS

1. IMPORTANT: Before starting engine, read engine manual and add oil and gasoline as instructed.
2. Reset front roller to middle position. This is correct position for normal use.
3. When starting engine, throttle handle must be in idle position because at higher RPM's the centrifugal clutch releases power to belt. Note: If engine fails to start, slightly increase throttle.
4. Operate engine at full throttle and work machine slowly across lawn for proper results.
5. If lawn is exceptionally tall, occasionally lift up on handle to permit thatch concentrations to escape.
6. Avoid stops on lawn for even a few seconds unless engine is idling or tines are raised above ground.

MAINTENANCE INSTRUCTIONS

1. To tighten belt, loosen four engine bolts. Remove shims (Ref. Nos. 69 and 70, Fig. 4) from above engine base and insert under engine base as needed. Retighten engine bolts.
2. To replace tines (Ref. No. 47, Fig. 3) (A) remove two hex hd. bolts and lock washers (Ref. Nos. 30 and 41, Fig. 3) which hold bearing (Ref. No. 40) and lower half of aluminum casting (Ref. No. 39) to side plate at side opposite the sheave (Ref. No. 51, Fig. 3). Remove lower half casting at this point. (B) Remove three hex hd. bolts and lock nuts (Ref. Nos. 64 and 65, Fig. 3) which hold smaller aluminum castings (Ref. Nos. 43, 45 and 49) to reel shaft. (C) Remove two halves of tine assembly (Ref. No. 38). (D) To replace new tine assembly reverse the above procedure.

   NOTE: When reassembling pulley, grease end of reel shaft to prevent parts from rusting together; pulley should be flush with end of reel shaft.

ALWAYS GIVE THE FOLLOWING INFORMATION WHEN ORDERING REPAIR PARTS:

IMPORTANT

1. PART NUMBER (Not Ref. No.)
2. QUANTITY NEEDED
3. DESCRIPTION OF PART
4. SERIAL No. (Found on Guarantee Card)
5. MODEL No. PR-6616

If unable to obtain parts locally, write down above information and send to:
PARKER SWEEPER CO., BOX 720, SPRINGFIELD, OHIO 45501

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

THATCH-O-MATIC POWER RAKE	SIZE	PRODUCTION YEAR	MODEL No.
	16"	1966	PR-6616

PARTS LIST

Ref. No.	Part No.	Qty. Per. Unit	Description of Part
1	~~63-113-C~~	~~1~~	~~Handle — Upper~~
2	~~63-275-B~~	~~1~~	~~Brace — Cross Upper~~
3	365-416	22	Nut — Hex Lock Elastic ¼-20
4	65-416-20	9	Bolt — Hex Head ¼-20 x 1¼
5	~~64-169-A~~	~~2~~	~~Grip — Handle~~
6	364-416	13	Nut — Hex Lock Elastic Thin ¼-20
7	59-77-A	5	Clamp
8	~~65-591-F~~	~~2~~	~~Handle — Lower~~
9	~~65-420-LA~~	~~1~~	~~Bracket — Cam Lock L.H.~~
10	~~65-562-C~~	~~1~~	~~Brace — Cross~~
11	~~65-419-RA~~	~~1~~	~~Bracket — Cam Lock R.H.~~
12	65-516-24	2	Bolt — Hex Head ⅜-18 x 1½
13	~~61-13-A~~	2	Insert 75-30-A
14	65-516-16	2	Bolt — Hex Head ⅜-18 x 1
15	365-516	12	Nut — Hex Lock Elastic ⅜-18
16	~~65-415-B~~	~~1~~	~~Brace — Cross Lower~~
17	65-416-12	10	Bolt — Hex Head ¼-20 x ¾
18	~~65-416-A~~	~~1~~	~~Bracket — Handle~~
19	65-416-16	4	Bolt — Hex Head ¼-20 x 1
20	65-416-8	8	Bolt — Hex Head ¼-20 x ½
21	~~63-126-RC~~	~~1~~	~~Side Plate Assembly R.H.~~
22	~~63-97-B~~	~~2~~	~~Plate — Reinforcing~~
23	~~63-232-GB~~	~~1~~	~~Deflector~~
24	~~65-361-A~~	~~2~~	~~Wheel~~
25	~~63-41-F~~	~~1~~	~~Plate — Back~~
26	~~63-295-B~~	~~1~~	~~Axle~~
27	380-432-20	2	Pin — Cotter ⅛ Dia. x 1¼
28	945-1216	3	Washer — Flat S.A.E. ¾
29	~~63-253-A~~	~~3~~	~~Washer — Special~~
30	65-516-12	10	Bolt — Hex Head ⅜-18 x ¾
31	~~65-532-C~~	~~1~~	~~Drag Strip Assembly~~
32	~~57-179-A~~	~~2~~	~~Pin — Roll 5/32 Dia. x 1½~~
33	~~63-127-LC~~	~~1~~	~~Plate — Side Assembly L.H.~~
34	~~63-129-A~~	~~1~~	~~Bracket — Mounting Assy. — Guard~~
35	~~63-32-C~~	~~1~~	~~Guard — Belt~~
36	~~63-98-B~~	~~1~~	~~Support Angle~~
37	~~63-40-F~~	~~1~~	~~Hood~~
38	~~64-95-D~~	~~Set of 2~~	~~Tine Assembly~~
39	~~63-30-C~~	~~4~~	~~Bracket — Segment~~
40	~~64-96-A~~	~~2~~	~~Bearing — ¾ Bore~~

Ref. No.	Part No.	Qty. Per. Unit	Description of Part
41	936-516	6	Washer — Lock Int. Tooth ⅜
42	60-62-A	16	Pin — Roll ⅛ Dia. x ¾
43	~~64-100-RB~~	~~2~~	~~Bracket — Segment R.H.~~
44	~~63-124-A~~	~~4~~	~~Rod — Spring~~
45	~~64-102-B~~	~~2~~	~~Bracket — Segment Center~~
46	946-916-1216	96	Washer — Fiber
47	60-92-B	104	Tine — Spring
48	~~64-94-A~~	~~4~~	~~Rod — Spring Retainer~~
49	~~64-101-LB~~	~~2~~	~~Bracket — Segment L.H.~~
50	~~564-C-516-4~~	~~1~~	~~Screw — Allen Hd. Set ⅜-18 x ¼~~
51	~~64-98-A~~	~~1~~	~~Sheave~~
52	~~63-203-C~~	~~1~~	~~Support — Roller~~
53	~~61-97-C~~	~~1~~	~~Bracket — Roller~~
54	~~61-96-B~~	~~2~~	~~Pin~~
55	~~59-47-B~~	~~2~~	~~Knob — Adjusting~~
56	945-516	2	Washer — Flat S.A.E. ⅜
57	935-516	2	Washer — Spring Lock ⅜
58	70-516-32	2	Bolt — Carriage ⅜-18 x 2
59	946-1016-16	2	Washer — Fiber
60	~~62-92-B~~	~~1~~	~~Roller~~
61	~~61-100-A~~	~~2~~	~~Bearing — Nylon~~
62	~~69-132-A~~	1	Key — Special Hi-Pro 2 80-9
63	~~64-99-B~~	~~1~~	~~Shaft — Reel~~
64	~~363-516~~	~~3~~	~~Nut — Hex Lock Elastic ⅜-24 N.F.~~
65	~~64-97-A~~	~~3~~	~~Bolt — Special ⅜-24 N.F. x 1¾~~
66	~~65-595-A~~	~~1~~	~~Engine — 4 H.P. B. & S.~~
67	~~63-67-A~~	~~1~~	~~Clutch — Centrifugal~~
68	61-65-A	1	Key — Engine ⅜ sq. x 1¾
69	~~63-186-A~~	~~2~~	~~Shim — Engine 1/16~~
70	~~63-25-A~~	~~4~~	~~Shim — Engine ⅛~~
71	65-516-28	2	Bolt — Hex Head ⅜-18 x 1¾
72	~~63-44-A~~	~~1~~	~~Belt~~
73	~~63-33-C~~	~~1~~	~~Plate — Engine Outer~~
74	~~63-39-B~~	~~1~~	~~Plate — Engine Inner Assy.~~
75	563-C-416-4	1	Screw — Set Allen — ¼-28 N.F. x ¼
76			
77			
78			
79			
80			

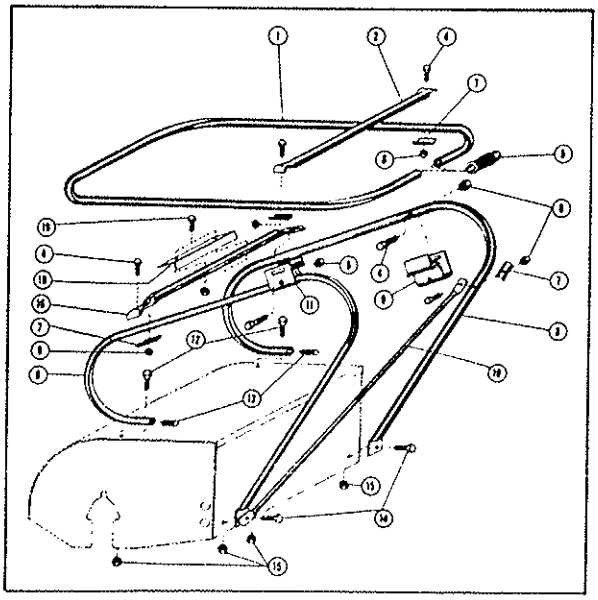


FIGURE 1