



POWER RAKE SEEDER BOX KIT-350395 AND 350397

PURPOSE: To overseed an existing lawn or start a new lawn.

Tools Required: 3/16" allen wrench, 7/16", 1/2", 5/8", 3/4", 9/16", 5/16", 3/8" wrench, Wood blocks or suitable support for machine.

NOTE: Older models with no holes will need additional tools: 3/8" drill bit and drill. center punch. two 1/2" wrenches.

INSTALLATION

Seeder Box Installation:

1. Disconnect spark plug wire.
2. Support Power Rake on blocks to lift left front wheel off ground.
3. Remove 4 screws from front of machine.
4. Remove left front wheel.
5. Install seeder box to front of machine with four 5/16" x 3/4 cap screws, 4 flat washers, and 4 lock washers. Do not tighten at this time (see figure 1).

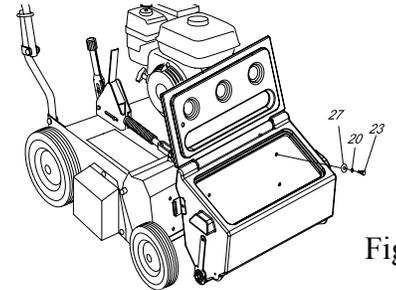


Fig. 1

Wheel:

1. Slide the pulley on until it rests firmly against the hub.
2. Tighten two setscrews.
3. Be sure 3 washers (item 31) are on the axle, slip the belt (item 24) in the groove on the pulley and slide wheel on the axle.
4. Secure with lock nut (item 35).

NOTE: Replace thick locknut with the thin nut provided in parts bag. New units are provided with thin nuts.

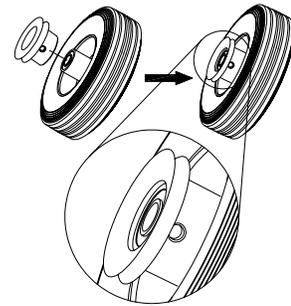


Fig. 2

Belt alignment:

1. Attach the belt onto the seeder box pulley by turning the wheel and slowly feeding the belt onto the seeder box pulley.
2. Rotate wheel to insure belt turns freely
3. If the belt seems to be too tight, bump seeder box upward to loosen belt.
4. Check the pulley alignment then tighten 4 capscrews inside seeder box.
5. Repeat step 3 to 5 if necessary
6. Remove blocks from under machine & push machine to test mechanism.

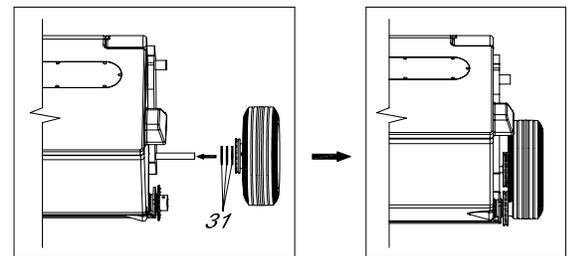


Fig. 3

Seeder meter control box installation:

1. Attach the Seed drop control box (Item 2) to the upper handle with the hardware from the parts bag (Items 17, 28, 35, 36, 39, 40) using a 7/16" and a 9/16" wrench. Then attach the cable to the bail with hardware items 42 and 43 using 5/16" and a 3/8" wrenches. Secure the cable with a ty-wrap (item 44) to the upper handle.
2. Reconnect spark plug wire.

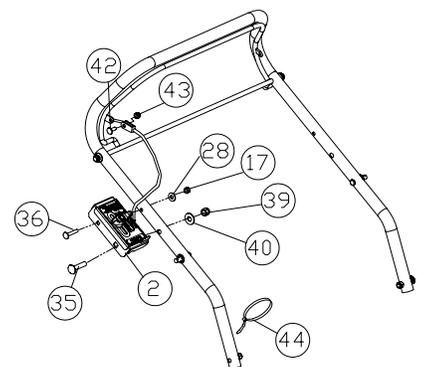
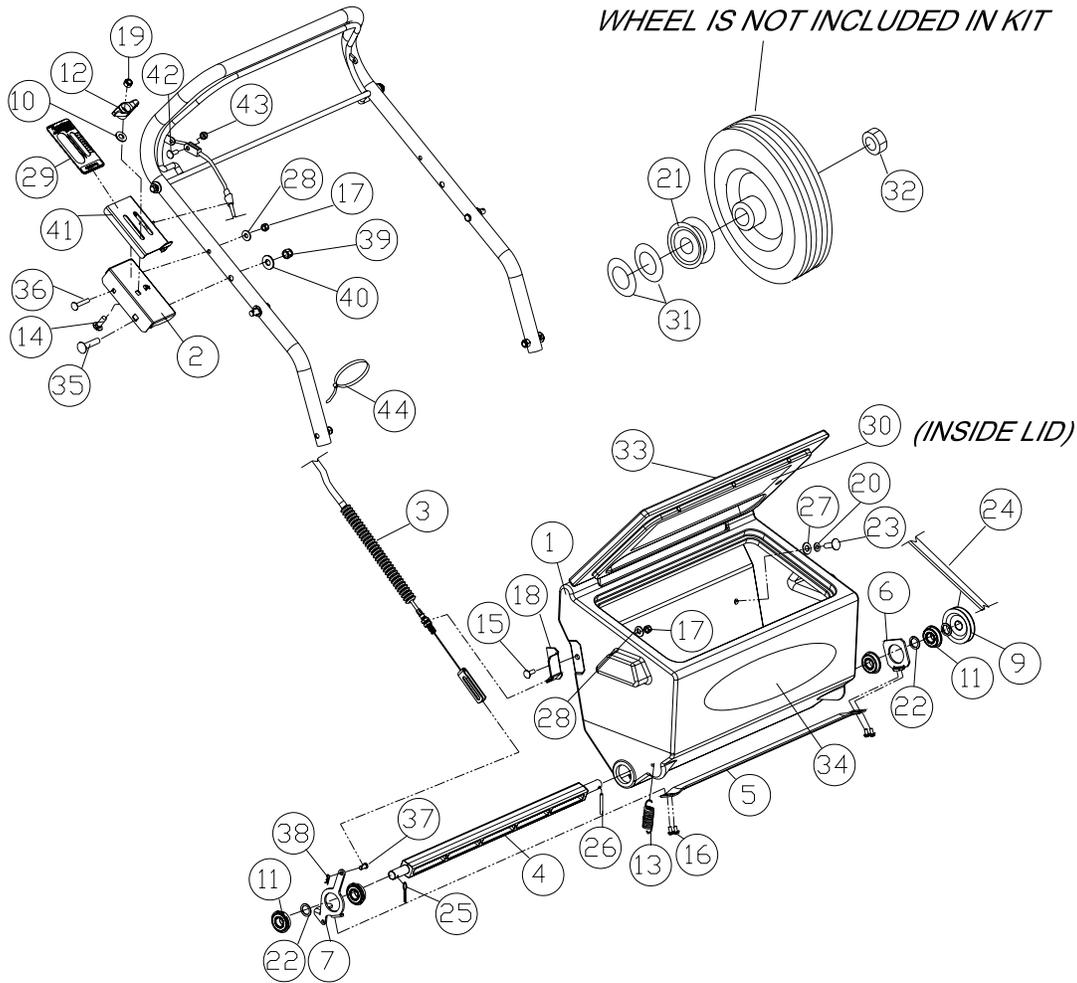


Fig. 4



POWER RAKE SEEDER BOX KIT-350395 AND 350397



PARTS LIST			
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	350366	BOX AND LID ASSEMBLY	1
2	350390	BRACKET CABLE MOUNTING	1
3	350385	CABLE SEED METERING ASSY	1
4	350320	SHAFT PLASTIC DROP SEEDER	1
5	350271	PLATE DOOR DROP SEEDER	1
6	350272	PLATE DOOR DROP SEEDER END	1
7	350387	PLATE DOOR DROP SEEDER END ARM	1
9	350370	PULLEY 3V GROOVE 0.625\" BORE	1
10	8172009	WASHER #10 3/8 SAE	1
11	900321	BEARING CLIP 1.375 OD	4
12	890108	KNOB WING 5/16-18	1
13	400217	SPRING TENSION	2
14	8024040	BOLT CARRIAGE 5/16 - 18 X 1	1
15	8024021	BOLT CARRIAGE 1/4-20 X 3/4"	1
16	8123087	SCREW SELF TAP #10-24 X 3/8\" HMS ZP	4
18	350389	BRACKET CABLE SEEDER BOX	1
19	8160002	NUT LOCK 5/16	1
21	350369	PULLEY 3V GROOVE 1.530\" BORE	1
22	350280	WASHER 0.906 O.D. X 0.656 I.D. X 0.062	7-8
23	8041026	SCREWCAP 5/16-18 x 3/4	4
24	350372	BELT O-RING 5/16 X 15 9/16"	1
25	8197031	PIN COTTER 1/8\" X 1"	1
26	9195106	ROLL PIN 1/8 - 1 1/4	1
27	8172020	WASHER 5/16 FENDER	4
29	350392	LABEL SEED METERING	1
30	350386	LABEL DROP SEEDER BOX	1
33	890456	LABEL HOSE PLUG KD/SV	1
34	350313	LABEL PRODUCT DECAL OS	1
37	440124	PIN CLEVIS .25 X .50	1
38	440193	PIN CLIP HITCH .051 X 3/4"	1
41	350390	BRACKET MOUNTING METERING SEED	1

PARTS BAG SEEDER BOX KIT 350396			
17	8160001	NUT LOCK 1/4	1
20	8177011	WASHER LOCK 5/16	4
23	8041026	SCREWCAP 5/16-18 x 3/4	4
27	8172020	WASHER 5/16 FENDER	4
28	8172007	WASHER 1/4 SAE	1
31	8171006	WASHER 1/2 FC	3
32	8161044	NUT LOCK 1/2\" THIN HGT	1
35	8024061	CARRIAGE BOLT 3/8-16 X 1 3/4"	1
36	8024025	CARRIAGE BOLT 1/4-20 X 1 3/4"	1
39	8160003	NUT LOCK 3/8-16 HEX	1
40	8171004	WASHER 3/8 FC	2
42	8059135	SCREW MACHINE #10-24 X 5/8	1
43	8164005	NUT LOCK LT #10-24 HEX	1
44	900407	TY WRAP	1
-	350398	LIT SEEDER BOX	1



POWER RAKE SEEDER BOX KIT-350395 AND 350397

ADJUSTING SEED RATE

Seed Rate

INSTRUCTIONS

1. Loosen knob.
2. Slide adjustment bracket to desired seed rate.
3. Re-tighten knob to hold setting.
4. Squeeze bail to engage blades and drop seed.

Part# 350392

LAWN PREPARATION

- MOW LAWN TO LOWEST SETTING ON YOUR MOWER.
- DO NOT WATER PRIOR TO SEEDING.
- POWER RAKE TO DETHATCH LAWN AND REMOVE THATCH.
- FERTILIZE LAWN WITH BROADCAST SPREADER.

LAWN PREPARATION

- FOR BEST RESULTS OVERSEED IN TWO PASSES OF ONE-HALF APPLICATION RATE EACH, AT RIGHT ANGLES OR IN A CRISS-CROSS PATTERN.
- WATER HEAVILY IMMEDIATELY THEN LIGHTLY FOR 10 - 14 DAYS, KEEPING SOIL MOIST.
- AFTER GERMINATION, WATER LESS OFTEN TO PROMOTE ROOT GROWTH.

SEED APPLICATION CHART:

THE SETTINGS SHOWN ARE APPROXIMATE GUIDELINES. SEEDING RATES ARE SPEED DEPENDENT. FASTER TRAVEL DELIVERS LESS SEED, SLOWER TRAVEL DELIVERS MORE SEED.

SEED TYPE	RATE LBS 1,000 FT ₂	STOP SETTING	SEED TYPE	RATE LBS 1,000 FT ₂	STOP SETTING
RYE GRASS	1/2	2	BENT GRASS	2/3	2
	3/4	3		1 1/3	3
	1 1/2	4	BERMUDAGRASS (HULLED & ZOYSIA)	3/4	2
	2 1/3	5		1 2/3	3
BLUE GRASS	3/4	4	CENTIPEDE GRASS (COATED)	2/3	2
	1	5		1 1/4	3
	1 1/2	6		2 1/2	4
FESCUE	2 1/2	7	ST. AUGUSTINE GRASS	3/4	4
	3/4	6		1	5
	1 1/4	7		1 1/3	6
	2	8		1 1/2	7
3 1/2	9				



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REPLACING SLICING REEL

To replace the current reel with a slicing reel it will take approx. 20 min. and requires 1/2" and 9/16" sockets, and a ratchet with extension. Use these instructions in conjunction with your owner's manual to identify all parts mentioned.

1. Wait for engine to cool and disconnect spark plug.
2. Close fuel valve on engine (if available)
3. Lean unit back onto lower handles and secure in place.
4. Remove (7) lock nuts (item 62 & 40) holding the belt and shaft guards (item 21 & 22) in place. It is necessary to lower the height adjust lever to reach the locknuts on the guards. Remove the guards.
5. Remove the drive belt (item 9) by "walking" it out of the groove on the reel pulley (item 2).
6. Remove the (4) lock nuts (item 60) and washers (item 68) holding the bearings (item 23) to the frame of the unit.
7. The reel is now free from the machine. Slide the reel down and out of the machine.
8. Assemble reel fig.2. After assembly reattach items in fig.1 in the sequence shown. The shield bearing (item 30), pillow block bearing (23), spacer (10), pulley (2), washers (68), nuts (60) can be reused if they are not damaged. The lock washer twisted tooth p/n 400502 (57), screwcap reel pulley p/n 8041050 (71), and key 3/16" x 1" p/n 9201078 (42) must be replaced. **Note:** pulley, key and spacer must be inserted only onto the side of the reel that will be driven by the engine. The angled edge of the blades should be facing the direction in fig. 1 to dig into the ground otherwise the machine will not perform the proper function. See rotation arrow.
9. Replace with fully assembled slicing reel.
10. Re-install the reel in reverse order of removal. Re-install the guards in reverse order of removal. Tighten all hardware securely.
11. Rotate the reel to make sure of even rotation.
12. Reattach spark plug and open fuel valve, if excessive vibration occurs cease action immediately and check belt and reel alignment and all hardware that might be loose.

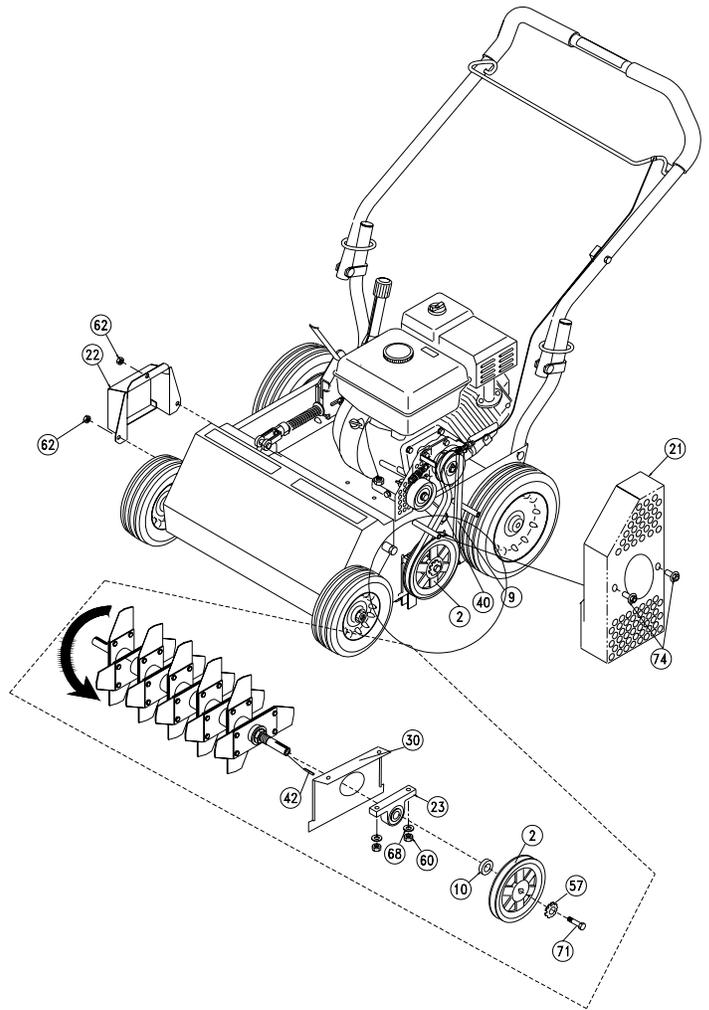


Fig. 1

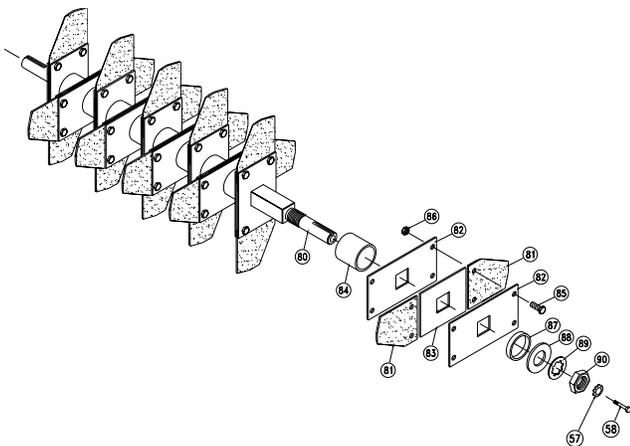


Fig. 2

item no.	PARTS LIST	PR500 Part No.	QTY
57	LOCK WASHER 5/16 TWISTED TOOTH	800177	1
71	SCREWCAP 5/16 - 24 x 1" HCS GR. 5	400164	1
80	SHAFT SLICING WA	350142	1
81	BLADE SLICING REEL	350147	20
82	PLATE BLADE MTG.	350148	20
83	SPACER BLADE MTG.	350149	10
84	SPACER BLADE ASSY	350150	9
85	SCREWCAP 1/4-20 x 3/4, HCS ZP	8041004	40
86	NUT LOCK 1/4-20	8142004	40
87	COLLAR SPACER	350152	1
88	WASHER 0.937 x 1.750 x 0.119	350153	1
89	WASHER LOCK 7/8 INT. TOOTH	350154	1
90	NUT JAM 7/8-14	350155	1