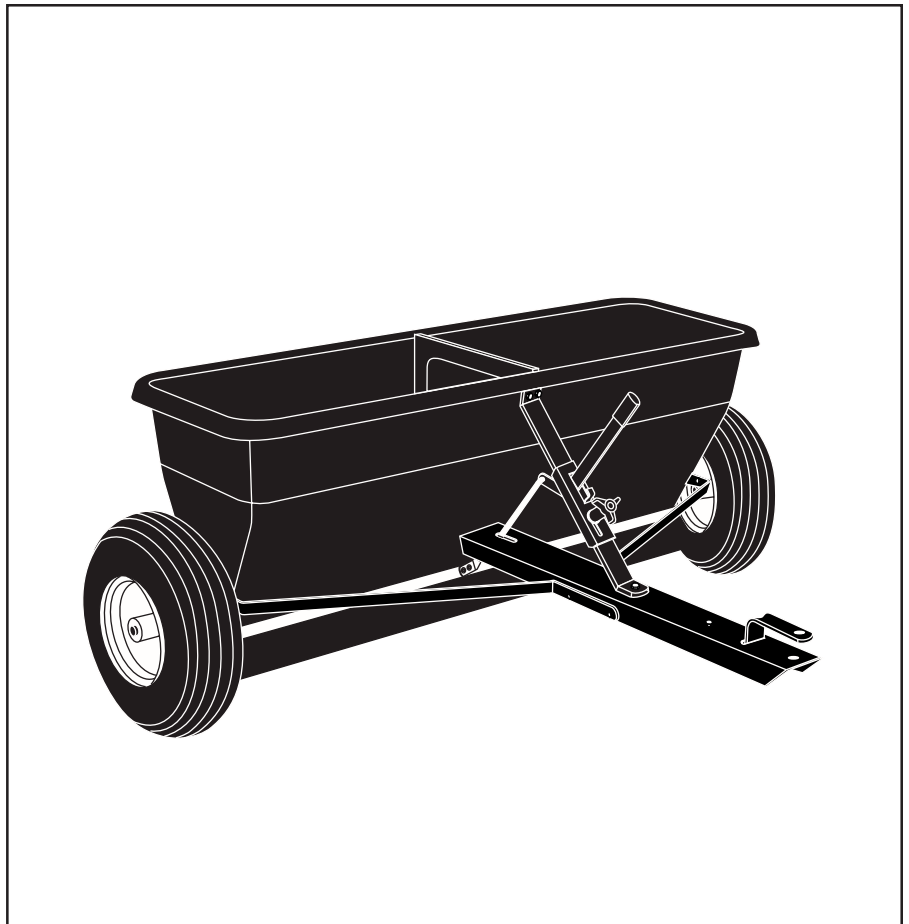


OWNERS MANUAL

**Model No.
45-0288**

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully



175 LB. POLY PRO DROP SPREADER

- Safety
- Assembly
- Operation
- Maintenance
- Parts

RULES FOR SAFE OPERATIONS

Any power equipment can cause injury if operated improperly or if the user does not understand how to operate the equipment. Exercise caution at all times, when using power equipment.

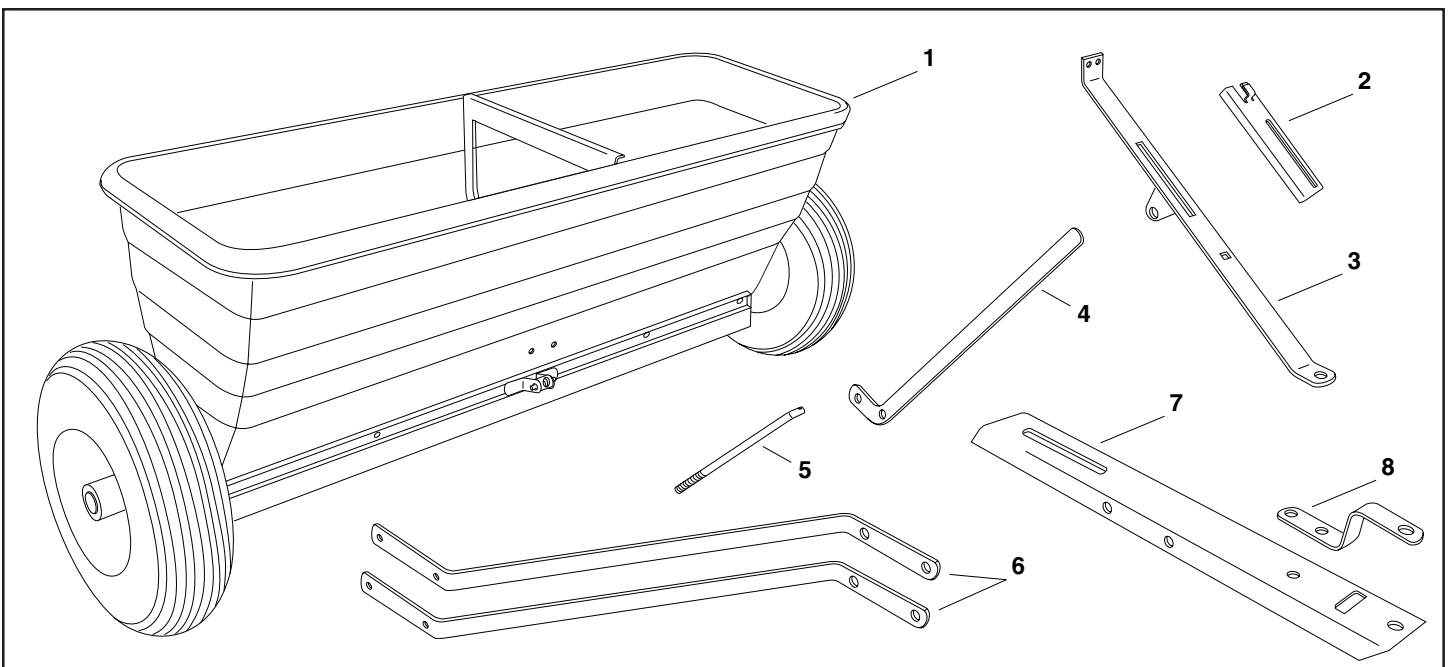
- Read this owner's manual before attempting to assemble or operate the spreader.
- Read the towing vehicle owner's manual and know how to operate the tractor before using the spreader attachment.
- Do not allow anyone to ride on or sit on spreader.
- Never allow children to operate the tractor or spreader attachment.
- Do not allow adults to operate the tractor or spreader without proper instructions.
- Read the chemical label for instructions and cautions for handling and applying chemicals.
- Wear eye and hand protection when handling and using lawn chemicals.
- Always begin with the transmission in first (low) gear and gradually increase speed as conditions permit. Maximum towing speed - 10 M.P.H.
- Do not drive too close to a creek or ditch and be alert for holes and other hazards which could cause you to lose control of the tractor and spreader.
- Before operating the vehicle on any grade (hill) refer to the safety rules in the vehicle owner's manual concerning safe operation on slopes. **Stay off steep slopes!**
- Follow maintenance and lubrication instructions as outlined in this manual.



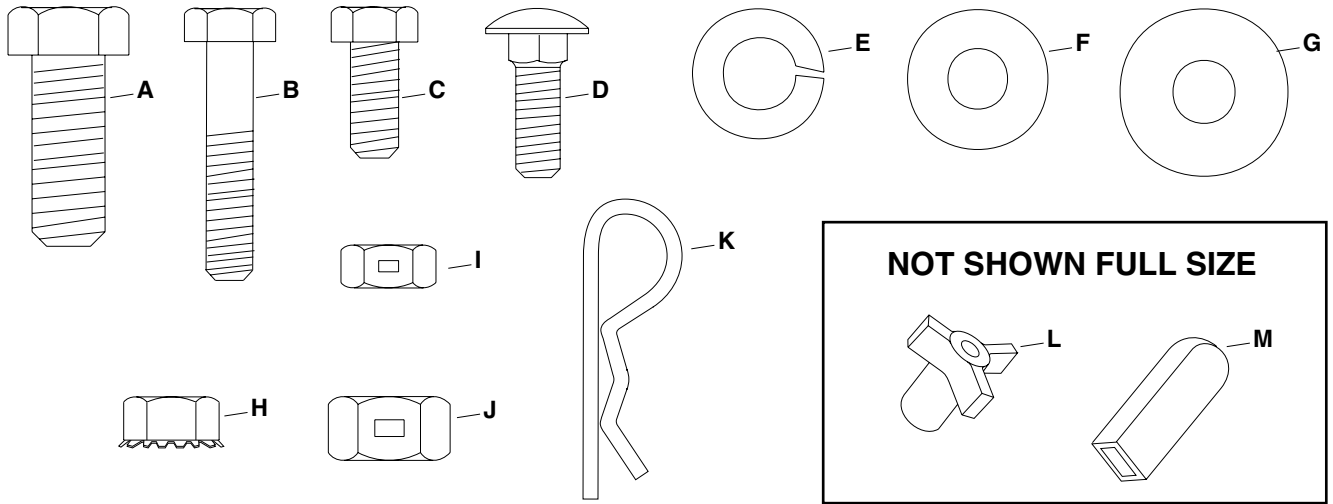
Look for this symbol to point out important safety precautions. It means--**Attention!! Become alert!!** Your safety is involved.

CARTON CONTENTS

- | | |
|-----------------------|----------------------|
| 1. Hopper Assembly | 5. Flow Control Rod |
| 2. Flow Control Gauge | 6. Tongue Braces (2) |
| 3. Hopper Brace | 7. Tongue |
| 4. Flow Control Arm | 8. Hitch Bracket |



SHOWN FULL SIZE



HARDWARE CHART

REF.	QTY.	DESCRIPTION	REF.	QTY.	DESCRIPTION
A	1	Hex Bolt, 3/8" x 1"	G	3	Nylon Washer
B	1	Hex Bolt, 1/4" x 1-1/4"	H	12	Hex Nut, 1/4" (SIMS)
C	12	Hex Bolt, 1/4" x 5/8"	I	2	Hex Lock Nut, 1/4"
D	1	Carriage Bolt, 1/4" x 3/4"	J	1	Hex Lock Nut, 3/8"
E	1	Lock Washer, 3/8"	K	1	Hair Cotter Pin
F	4	Flat Washer, 1/4"	L	1	Plastic Knob
			M	1	Plastic Grip

ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

- (2) 7/16" Wrenches
- (2) 9/16" Wrenches

1. Remove the hardware pack and all individual parts from the carton and lay out as shown on page 2 and 3.
2. Assemble the tongue to the hopper as shown in figure 1 using two 1/4" x 5/8" hex bolts and 1/4" hex nuts. **Do not tighten yet.**

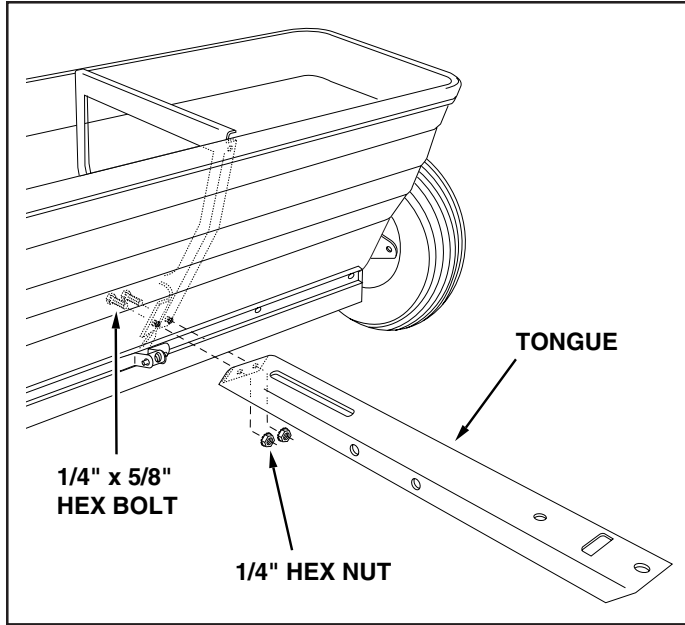


FIGURE 1

3. Attach the hopper brace to the hopper using two 1/4" x 5/8" hex bolts, one 1/4" flat washer and two 1/4" hex nuts. **Do not tighten yet.** See figure 2.
4. Place the end of the hitch bracket (two holes) down through the slot in the tongue. Attach the hopper brace to the top of the tongue and the hitch bracket to the bottom using one 3/8" x 1" hex bolt, 3/8" lock washer and 3/8" hex lock nut. **Tighten all bolts** assembled so far. See figure 2.

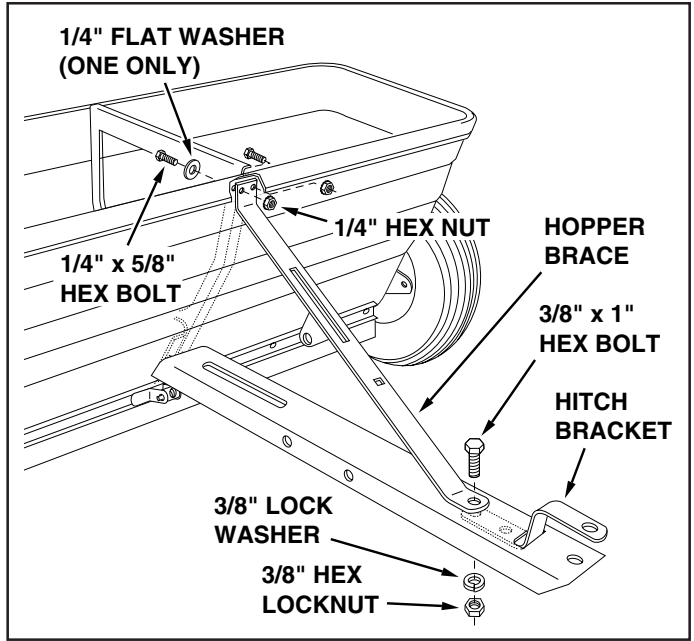


FIGURE 2

5. Assemble one end of a tongue brace to the side of the tongue using two 1/4" x 5/8" hex bolts and 1/4" hex nuts. **Do not tighten yet.** See figure 3.
6. Assemble the other end of the tongue brace to the triangular plate on the end of the spreader. Use a 1/4" hex bolt and 1/4" hex nut in the front hole of the plate. Use a 1/4" hex bolt, 1/4" flat washer and 1/4" hex nut in the rear hole, with the bolt and washer assembled on the inside of the hopper as shown in figure 3. **Do not tighten yet.**
7. Repeat steps 5 and 6 to attach the second tongue brace to the other end of the spreader and then **tighten** all loose bolts.

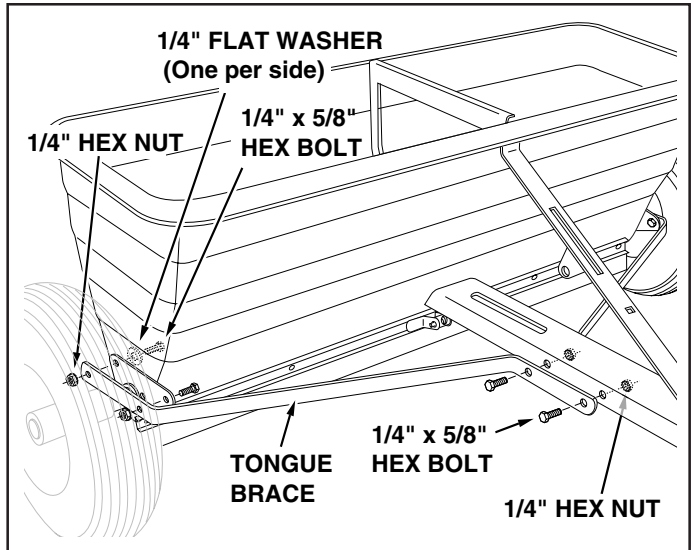


FIGURE 3

8. Assemble the plastic grip onto the end of the flow control arm as shown in figure 4.
9. Attach the flow control arm to the plate on the underneath side of the hopper brace as shown in figure 4, using a 1/4" x 1-1/4" hex bolt, a 1/4" flat washer, two nylon washers and two 1/4" hex lock nuts. The nylon washers should be placed on each side of the flow control arm, with one washer between the arm and the plate. **Tighten** the first hex lock nut until there is noticeable resistant when moving the flow control arm. **Tighten** the second hex lock nut.

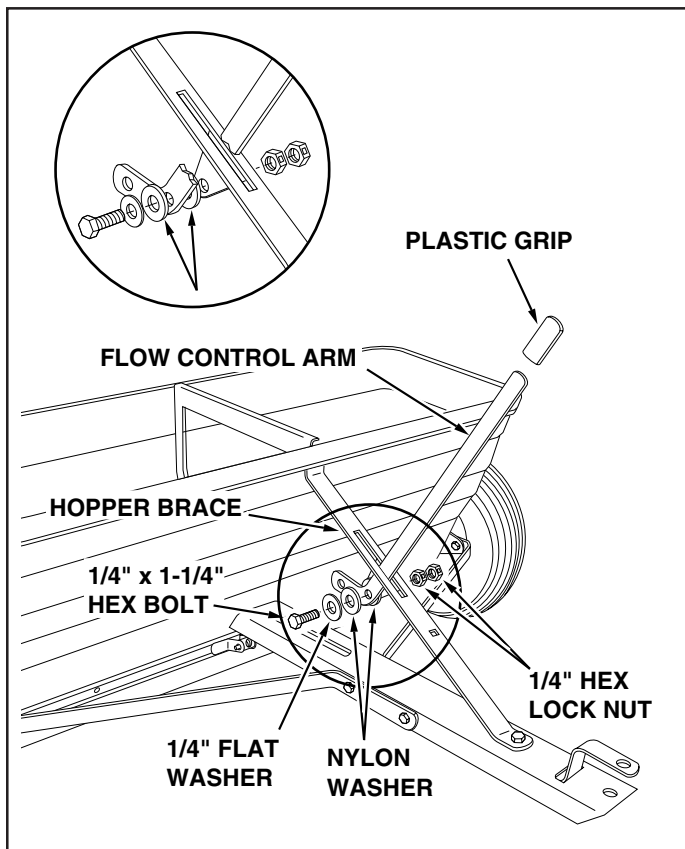


FIGURE 4

10. Move the flow control arm back towards the hopper as far as it will go ("OFF" position). Close the flow plates at the bottom of the hopper by pushing them back as far as they will go. The arm and the plates must remain in this position for the next step. See figure 5.
11. Place the threaded end of the flow control rod through the slot in the tongue and screw the rod into the ferrule at the bottom of the hopper. Screw in until the bent end of the rod aligns with the hole in the end of the flow control arm. Secure the end of the rod to the arm using the hair cotter pin. See figure 5.

12. Move the flow control arm forward, away from the hopper, opening the flow plates. If you can close the flow plates by pushing directly against them, you need to tighten the hex lock nuts on the flow control arm. The arm needs to provide enough resistance to hold the plates in position.

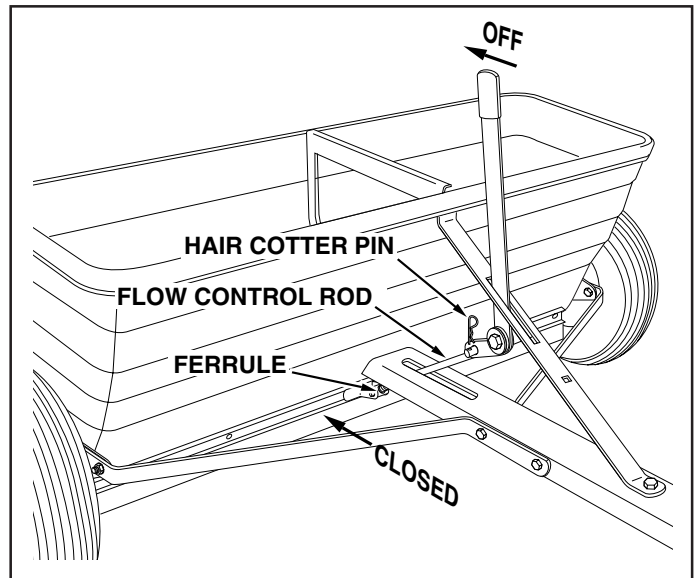


FIGURE 5

13. Assemble the flow control gauge to the hopper brace using the 1/4" x 3/4" carriage bolt, a nylon washer and the plastic knob. See figure 6.

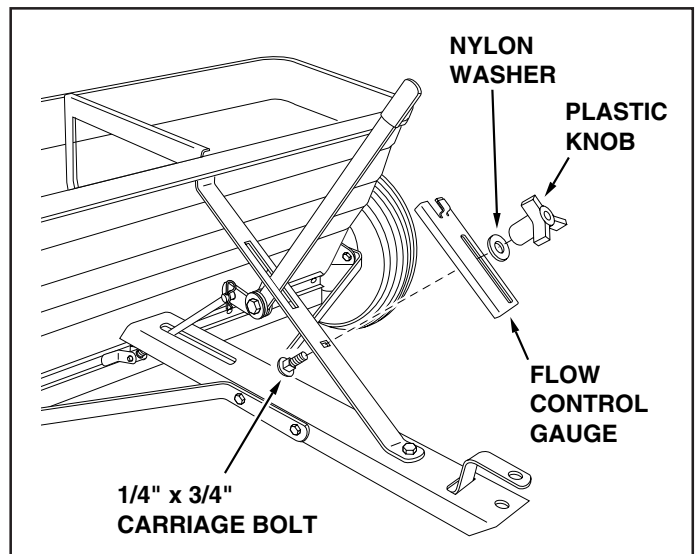


FIGURE 6

14. Set the flow control gauge at the highest setting. At this setting the flow plates should completely uncover the slots in the bottom of the hopper when the flow control arm is pulled forward and completely cover the slots when the arm is pushed back to "OFF". Make adjustments by screwing the flow control rod in or out of the ferrule.

OPERATION

HOW TO USE YOUR SPREADER

1. Refer to the instruction label on the material package and to the Recommended Spreader Settings sheet included with your spreader for the proper spreader setting and application rate to be used. The flow rate chart on this page gives a general range of settings for materials commonly used.
2. Loosen the knob and adjust the flow control gauge to the recommended setting. Retighten the knob. See figure 7.
3. Determine the approximate square footage of the area to be covered and estimate the amount of fertilizer or seed required.
4. Move the spreader to the area where application is to begin.
5. Making sure the flow control arm is in the "OFF" position, fill the hopper, breaking up any lumps.
6. Start the spreader in motion and then pull the flow control arm forward to the "ON" position as you travel across your lawn. The recommended towing speed is 3 m.p.h.

IMPORTANT: Always place flow control arm in the "OFF" position to prevent excess fertilizer from being released when filling the spreader and when stopping or turning.

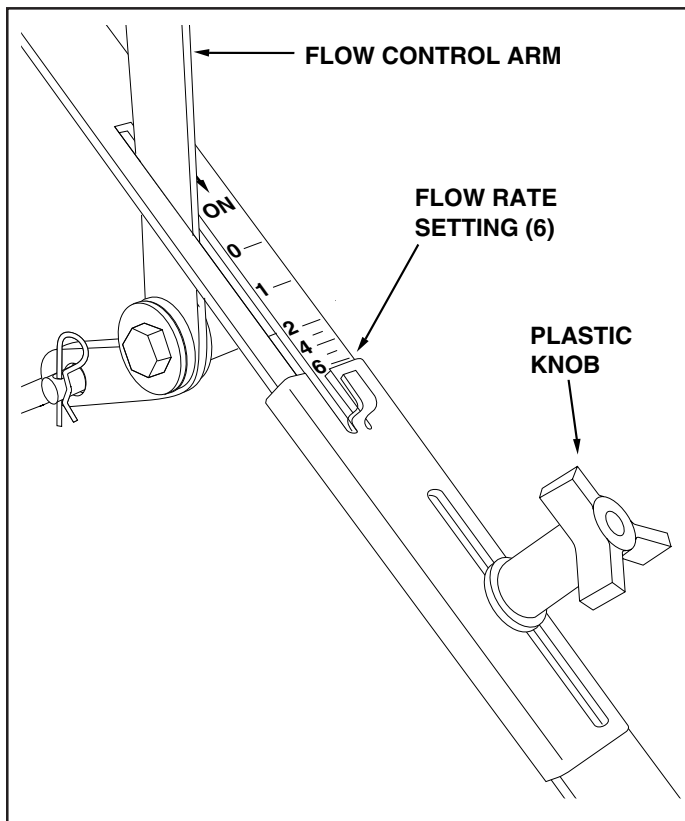


FIGURE 7

FLOW RATE CHART

MATERIAL	TYPE	Flow Rate Setting At 3 M.P.H.	
		Light	Heavy
Fertilizer	Granular / Pelleted	3	7
Grass Seed	Fine / Coarse	5	10

3 M.P.H. is equivalent to traveling 100 feet in 23 seconds.

APPLICATION TIPS

1. To help prevent clogging when using **granular** material, avoid towing the spreader with the flow plate closed. A closed flow plate could cause the rotating agitator to work the material into powder, compacting it at the bottom of the hopper.
2. Reduce the flow setting for speeds slower than 3 M.P.H. and increase the setting for higher speeds.
3. To avoid misses or striping, overlap the previous wheel tracks by approximately 4" - 5". The spread width of the spreader is approximately 40".
4. For easiest application, first apply material across both ends of the area. Two or three passes on each end are sufficient. Then apply material back and forth as shown. Use the end areas for turning around, shutting off the spreader as you enter the end areas and turning the spreader on again as you leave the end areas for your next pass. See figure 8.
5. If lawn is odd shaped, spread a border around the edges and then spread between the border.

NOTE: Be careful when using the spreader around ornamental plants because weed control chemicals can damage these plants.

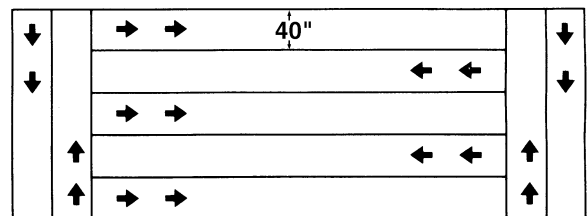
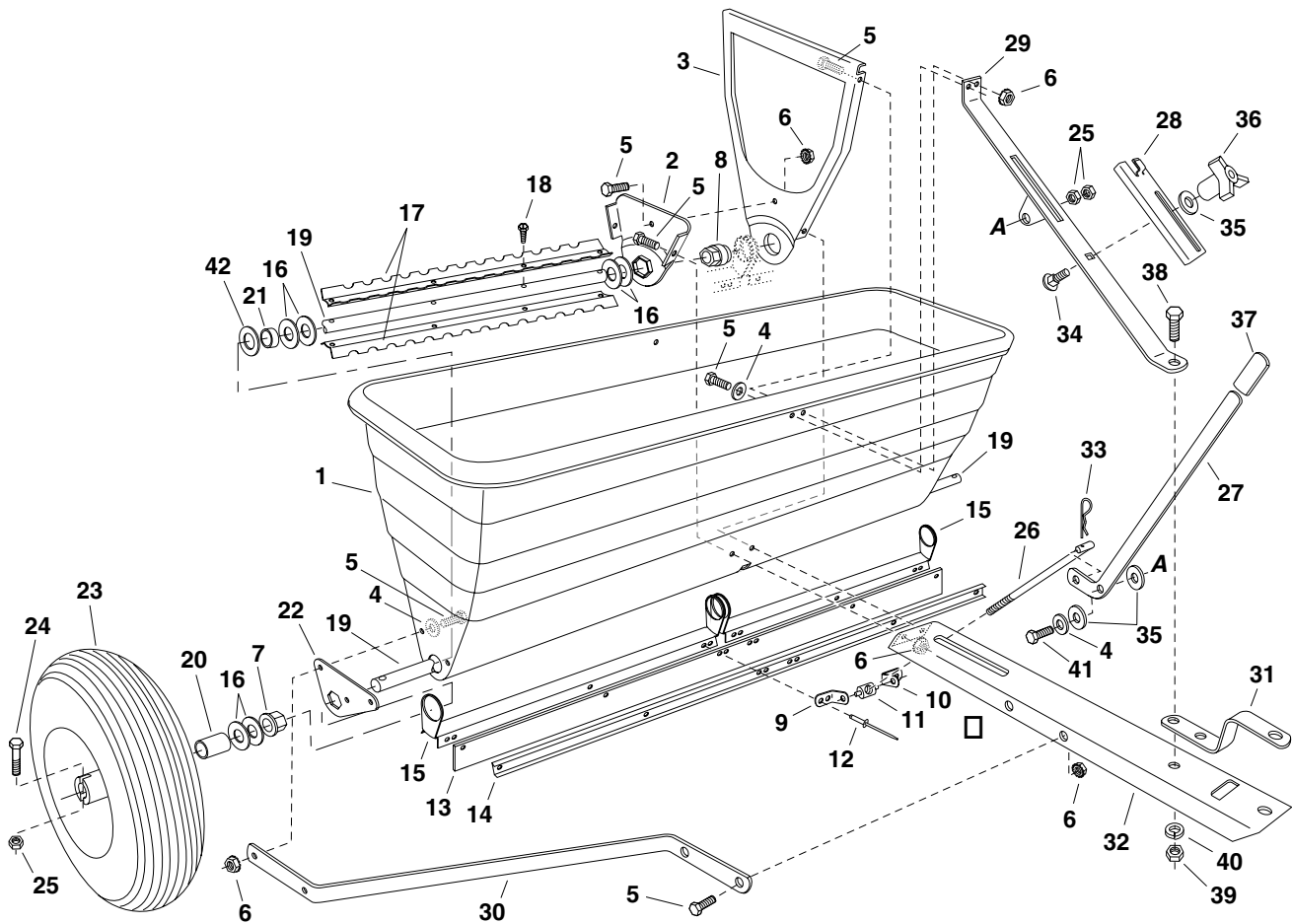


FIGURE 8

MAINTENANCE

1. Always empty spreader after each use, storing leftover material in it's original bag.
2. Wash the spreader and dry thoroughly after each use.
3. Apply a few drops of oil to all moving parts.
4. Check all nuts and bolts for tightness before each use.
5. Keep tires inflated to 12 - 14 lbs.

REPAIR PARTS FOR 175 LB. DROP SPREADER MODEL 45-0288



REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1	47451	1	Hopper	22	24534	2	Plate, Bearing
2	24536	1	Hopper Center Plate (Small)	23	44457	2	Wheel
3	24535	1	Hopper Center Plate (Large)	24	1509-69	2	Bolt, Hex 1/4-20 x 1-3/4" Lg.
4	43088	9	Washer, 1/4"	25	43013	4	Nut, Hex Lock 1/4-20 Thd.
5	43866	18	Bolt, Hex 1/4-20 x 5/8"	26	47457	1	Rod, Flow Control
6	46978	18	Nut, Hex (SIMS) 1/4-20 Thd.	27	24541	1	Arm, Flow Control
7	741-0245	2	Bearing, Flange	28	24542	1	Gauge, Flow Control
8	47484	1	Bearing, Hex Flange	29	63850	1	Brace Assembly, Hopper
9	24538	1	Bracket, Feed Plate (RH)	30	24532	2	Brace, Tongue
10	24539	1	Bracket, Feed Plate (LH)	31	23014	1	Hitch Bracket
11	47507	1	Ferrule	32	24531	1	Tongue
12	728-3001	8	Pop Rivet	33	47037	1	Pin, Hair Cotter 5/64"
13	47459	1	Skirt, 48"	34	44950	1	Bolt, Carriage 1/4-20 x 3/4" Lg.
14	47508	1	Retainer, Skirt	35	1543-69	3	Washer, Nylon
15	24537	2	Flow Plate	36	43849	1	Knob, Plastic 1/4-20 Thd.
16	43009	12	Washer	37	43848	1	Grip, Plastic
17	47259	4	Agitator Blade	38	43001	1	Bolt, Hex 3/8-16 x 1" Lg.
18	47476	16	Screw, #8-32 x 3/8" Lg.	39	43082	1	Nut, Hex Lock 3/8-16 Thd.
19	24540	2	Axle	40	43003	1	Lock Washer, 3/8"
20	46497	2	Spacer, Tube 1" OD x 1.2" Lg.	41	1509-90	1	Bolt, Hex 1/4-20 x 1-1/4" Lg.
21	47458	2	Spacer, 1.25" OD x .330" Lg.	42	43601	2	Washer, 1" ID x .06" Thick
					47462	1	Owners Manual

REPAIR PARTS
303 West Raymond
Sullivan, IL. 61951
217-728-8388 / www.agri-fab.com