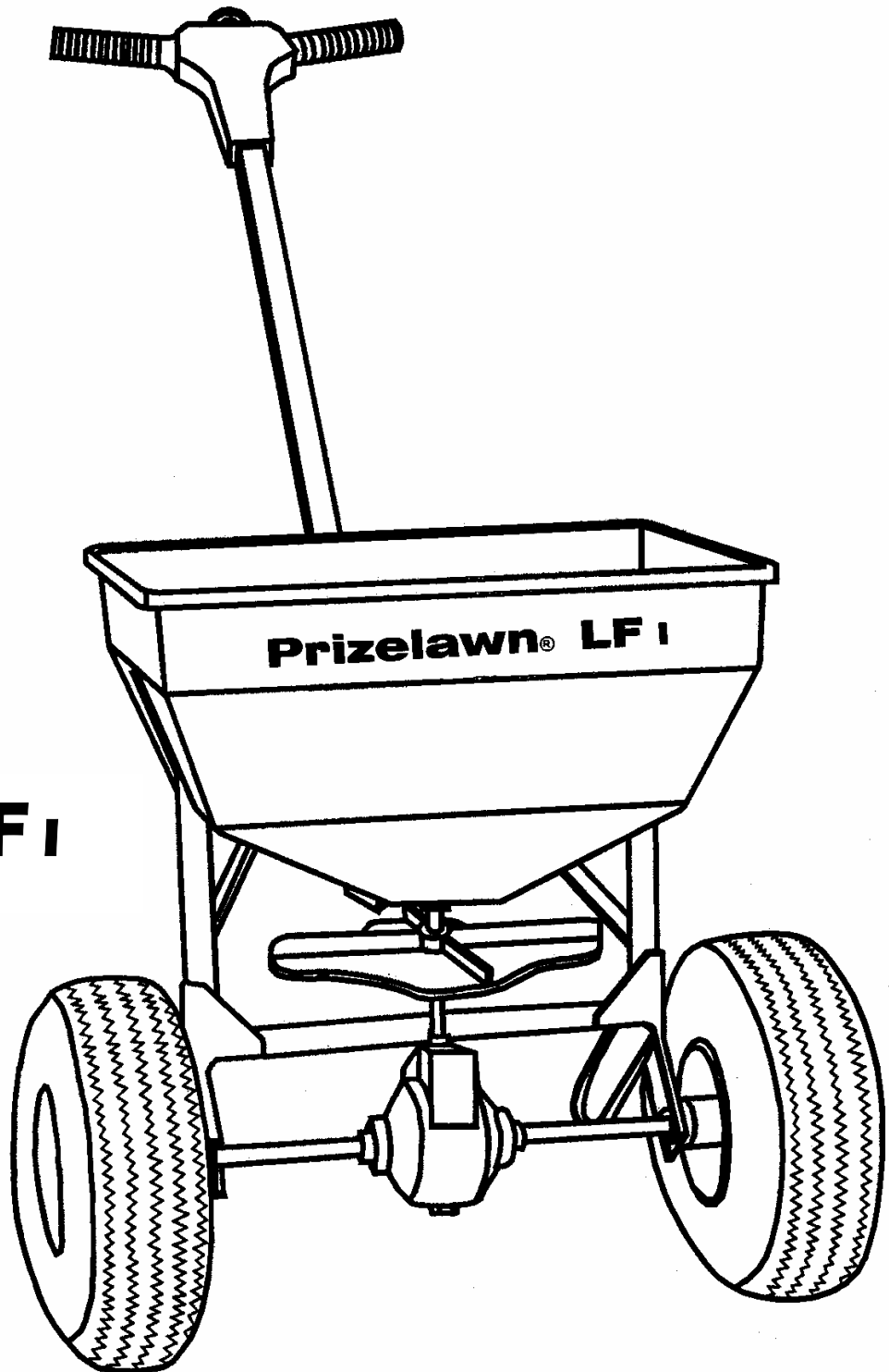


Prizelawn® LF1
COMMERCIAL BROADCAST SPREADER

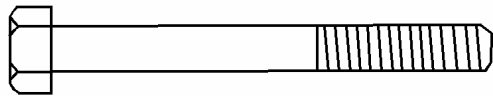


MODEL LF1

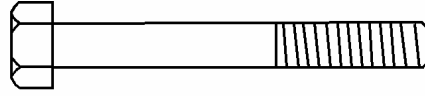
OWNER'S MANUAL

ASSEMBLY

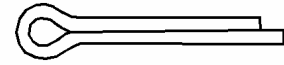
PARTS SHOWN ARE ACTUAL SIZE



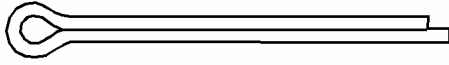
1/4-20 X 2 1/4" Hex Bolt (1-Req)



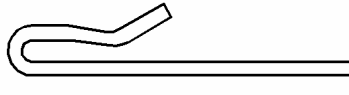
1/4-20 x 2" Hex Bolt (3-Req)



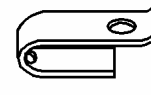
5/32 x 1" Cotter Pin (4-Req)



5/32 x 2" Cotter Pin (1-Req)



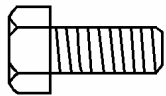
Agitator Wire (1-Req)



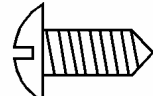
Wire Clip
(1-Req)



1/4-20 Hex Nut
(8-Req)



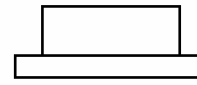
1/4-20 x 5/8" Hex
Bolt (4-Req)



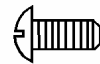
1/4-20 x 5/8" Sheet
Metal Screw (2-Req)



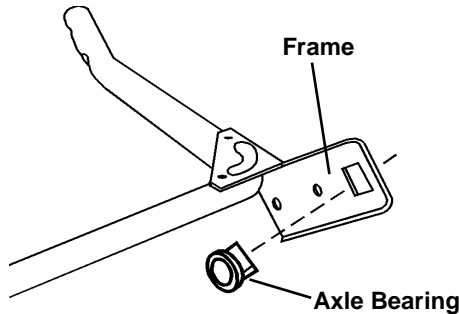
1/4 Dia. Flat
Washer (4-Req.)



Axle Bearing
(2-Req)

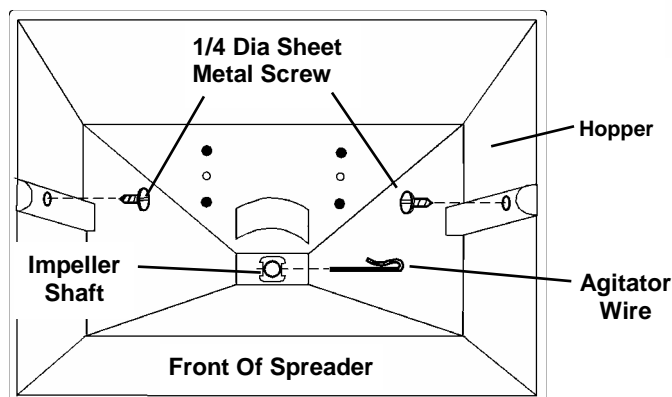
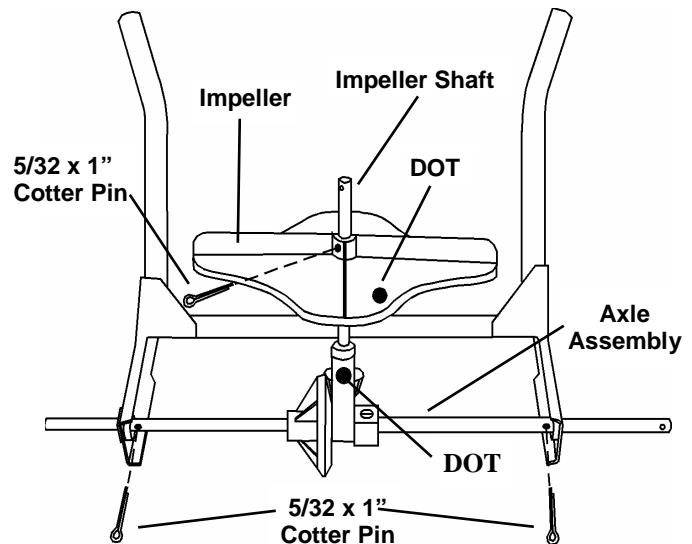


#6-32 x 3/8" Screw
(2-Req -Installed in
Gear Cover)

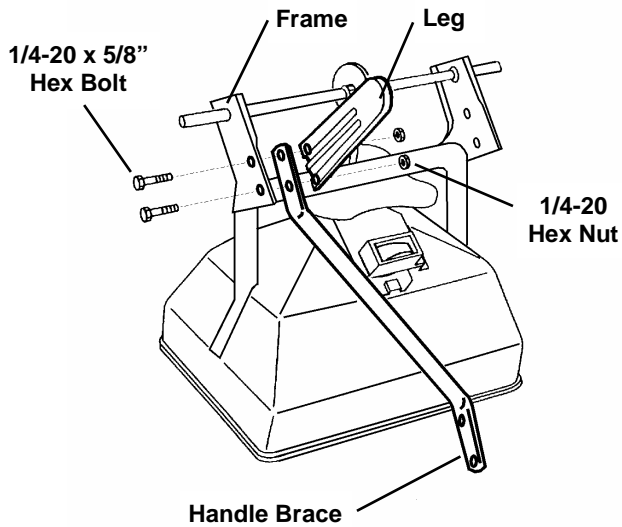


1. Remove components from carton. From inside of frame as shown, install axle bearing into square hole. Repeat on opposite side.

2. From inside the frame, slide end of axle through the axle bearing. Make sure dot on gear support is facing as shown. Slide the axle far enough sideways to allow opposite end of axle to be inserted into other bearing. Center axle assembly and secure with (2) 5/32 x 1" cotter pins. Slide impeller onto impeller shaft with the dot facing end of shaft as shown. Secure with (1) 5/32 x 1" cotter pin.

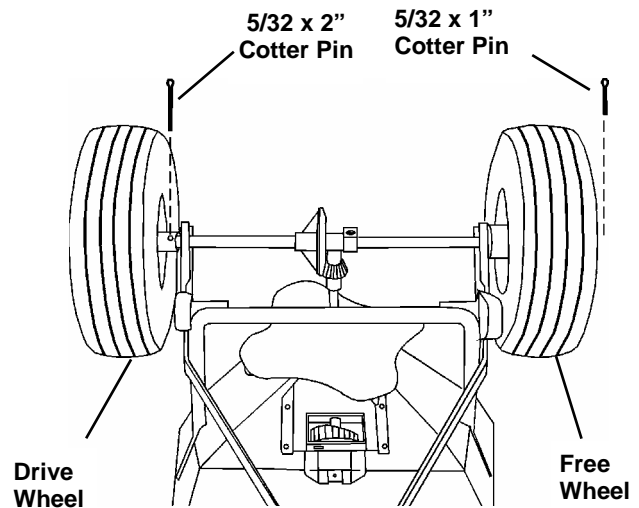


3. Install hopper onto frame making sure end of impeller shaft is through the hopper bearing. Secure hopper to the frame using (2) 1/4 dia. sheet metal screws as shown. Slide agitator wire into hole in the impeller shaft as shown.

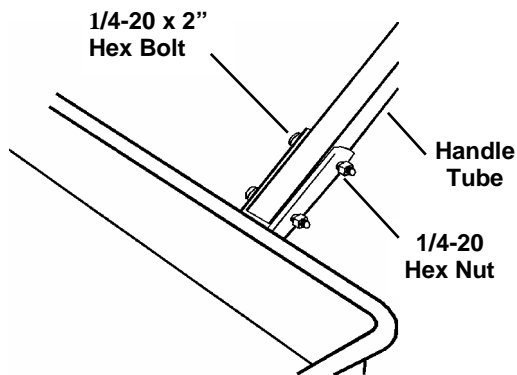


4. Turn spreader upside down. Insert (2) 1/4-20 x 5/8" hex bolts through the frame, flattened end of handle brace, and leg as shown. Install hex nuts but do not tighten. Repeat on opposite side. Make sure braces are parallel and tighten all nuts.

5. Slide drive and free wheel onto axle with the longer portion of the wheel facing the frame. Secure free wheel with (1) 5/32 x 1" cotter pin and (1) 5/32 x 2" cotter pin on the drive wheel.

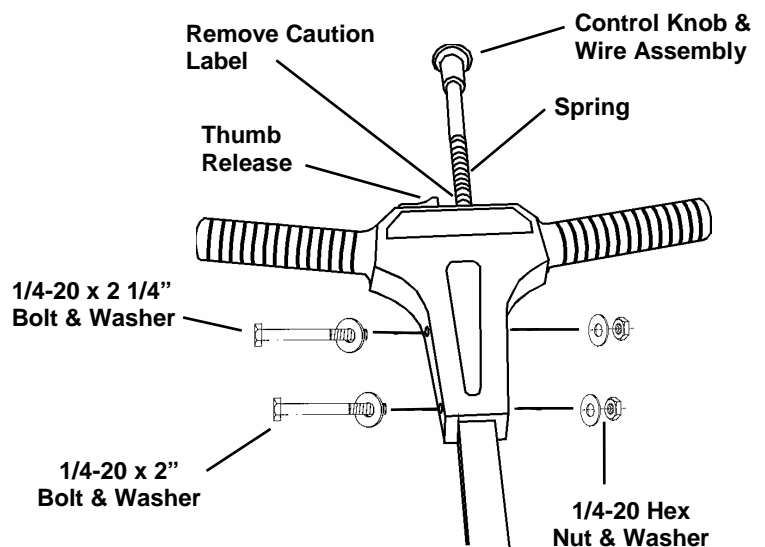


VIEWED FROM BACK OF SPREADER

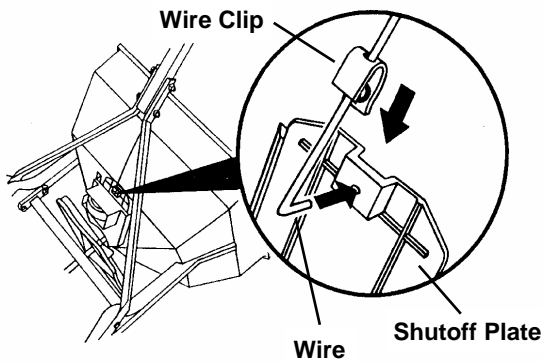


6. Turn spreader upright and install handle tube between braces. Secure with (2) 1/4-20 x 2" hex bolts and nuts.

7. Feed control knob/wire through the T-handle until spring touches the round hole. **CAUTION: Do Not Compress Spring At This Time.** Feed wire through the square handle tube. **Be sure wire passes above the bolts in the handle brace.** Secure T-handle to the tube with (1) 1/4-20 x 2" hex bolt, (2) washers, and (1) hex nut in the bottom hole, and (1) 1/4-20 x 2 1/4" hex bolt, (2) washers, and (1) hex nut in the top hole as shown. Remove caution label and push the thumb release toward the center and push down knob and shutoff spring until knob latches.

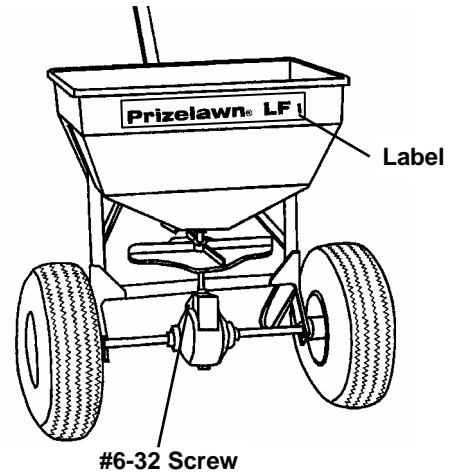


CAUTION: ONCE KNOB IS LATCHED, DO NOT MOVE THUMB RELEASE UNTIL YOU HAVE COMPLETED STEP #8.



8. Slide wire retaining clip onto wire as shown. Insert wire through hole shutoff plate. Slide wire retaining clip over shutoff plate and wire until the clip locks into place.

9. Install gear cover assembly over gears and secure with (2) #6-32 screws. Wipe front of hopper with a clean cloth. Remove backing and apply label to hopper.



OPERATION

1. Check the product package for the rate setting, and recommended swath width. Turn the spreader off by pushing the control knob in. Rotate the rate cam to the proper setting.

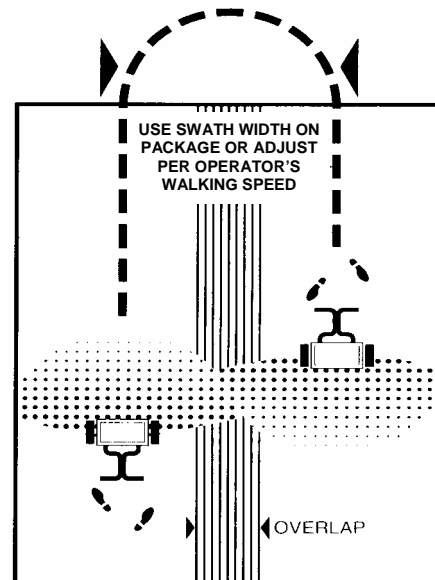
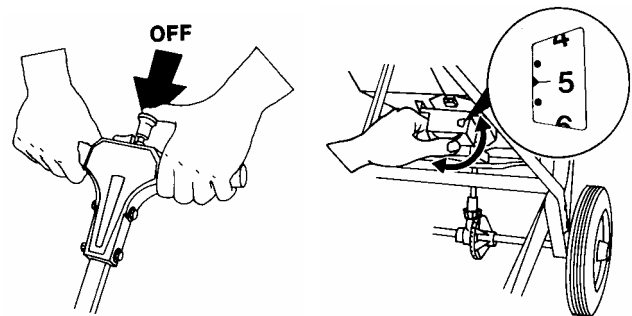
2. Always fill the spreader on the driveway or sidewalk-not on the lawn. Make sure spreader is in the "OFF" position. Empty after each use.

3. Start spreader moving, then open spreader by pushing the thumb release to the "ON" position. Always push spreader, never pull. Push knob down to close spreader.

4. Hold handle so top of spreader is level. Tipping the spreader too far can cause uneven spreading.

5. The settings and swath widths on the product label are recommended starting points. Always check the delivery rate and pattern on a small area before treating a large area. Actual delivery rate can vary due to weather conditions, operating variables, and condition of the product being applied. See "HOW TO DETERMINE SPREADER SETTING AND SWATH WIDTH" for details.

6. Push spreader 3 1/2 m.p.h. (26 feet in 5 seconds) for full 8' to 10' spread pattern when applying fertilizer products. Apply header strips at each end of area to be treated then space trips across the area as shown.



7. Push spreader at 2 1/2 mph (18 feet in 5 seconds) to reduce width of spread when applying ice melt products to sidewalks.

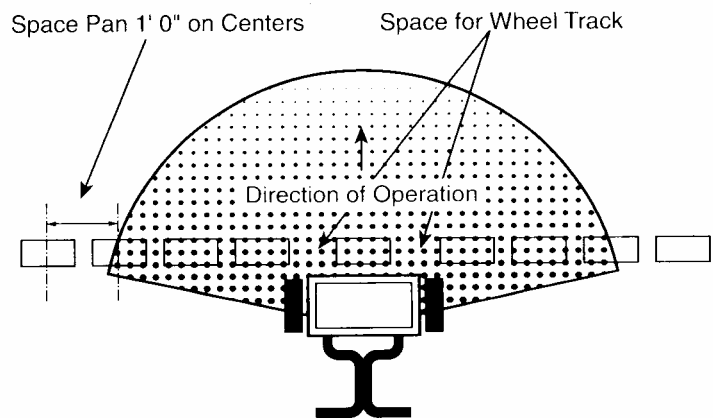
HOW TO DETERMINE SPREADER SETTINGS AND SPREAD WIDTH

Two major factors should be considered when determining correct spreader settings of any product:

1. The product application rate, or the amount of material applied per 1,000 square feet.
2. The effective pattern width, or the actual width in which material is applied. Label settings are a guide and can be affected by numerous factors.

EFFECTIVE PATTERN WIDTH

A simple visual pattern test can be made by operating the spreader over a non-turf area and evaluating the pattern. A more accurate method is to place a row of common, disposable, aluminum cake pans approximately 1 foot on centers. Set the rate cam at a middle setting and make 3 or 4 passes in the same direction as shown. Pour the material collected from each pan into individual bottles of the same size. Set them side by side in order, and visually inspect their volume. The effective pattern width is the distance out from the spreader to a point where the amount of material is 1/2 the average amount in the center pans. This distance is multiplied by 2 to achieve the total effective pattern width.



APPLICATION RATE

Knowing the effective pattern width (for example, 10 feet), measure a distance equal to 100 square feet (10' x 10' swath width). Determine the product coverage is pounds/ 100 sq. ft. by the recommended square foot coverage (add two zeroes to the weight of the bag).

EXAMPLE: Product weight: 25 lbs.
sq. ft. coverage: 5,000 sq. ft.
2500 lbs. - 5,000 sq. ft.
= .5 lbs. / 100 sq. ft.





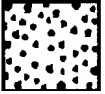
Weigh out between 15 to 20 lbs. of material and spread over the 100 sq. ft. area. Weigh remaining material left in hopper and adjust rate setting as required. Repeat test until application rate is correct.

RATE SETTING CONVERSION

The following provides approximate **Prizelawn® LF₁** settings for those units listed.

Prizelawn LF₁ Setting	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Prizelawn BF₁/BF_{1ss} Setting	E	I	K	M	O	R	W	Z	—	—	—	—	—	—	—	—	—
Lesco #029600 Setting	D	—	H	—	K	M	Q	S	—	—	—	—	—	—	—	—	—
Scotts R8A/SR-1 Setting	G	K	M	O	Q	T	—	Z	—	—	—	—	—	—	—	—	—
Scott Speedy Green Setting	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Earthway 2200/2400 Setting	10	—	—	15	—	—	20	—	—	25	—	—	—	—	—	—	—
Spyker 76/78-2 Setting	3	—	—	—	4	—	5	—	—	6	—	7	—	—	8	—	—

The following provides approximate **Prizelawn® LF₁** settings when only the product weight, square foot coverage, and visual inspection of the material is available.

FERTILIZER PARTICLE SIZE	BAG RATE Pounds of fertilizer used per 1,000 sq. ft. of coverage	APPROX. SETTING	SPREAD WIDTH (IN FEET)
Large, heavy particles 	5	3 1/2	8
	10	4	8
	15	4 1/2	8
Medium- mixed particles 	5	2 1/2	8
	10	3 1/2	8
	15	4	8
Small particles (nitrogen) 	1	2	8
	2	2 1/2	8
	3	3	8
Mixed size particles -some fines 	5	3	6
	10	3 1/2	6
	15	4	6
Light weight particles 	5	2	4
	10	2 1/2	To
	15	3	6

The conversions should be used as guidelines for establishing proper rate settings for the particular product being applied. Steps for obtaining the most accurate settings are outlined in the “How to Determine Spreader Settings and Spread Width” section of this manual.

These settings are approximate and may vary due to physical characteristics of the product. Walking speed, wear, condition of the turf and humidity, may cause actual rate setting to deviate. No expressed nor implied warranty or guarantee is provided as to coverage or uniformity indicated by these rate settings.

MAINTENANCE

1. Never store unused material in spreader. Return unused product to its original container.

2. Wash spreader thoroughly after each use and dry completely in sun or heated area.

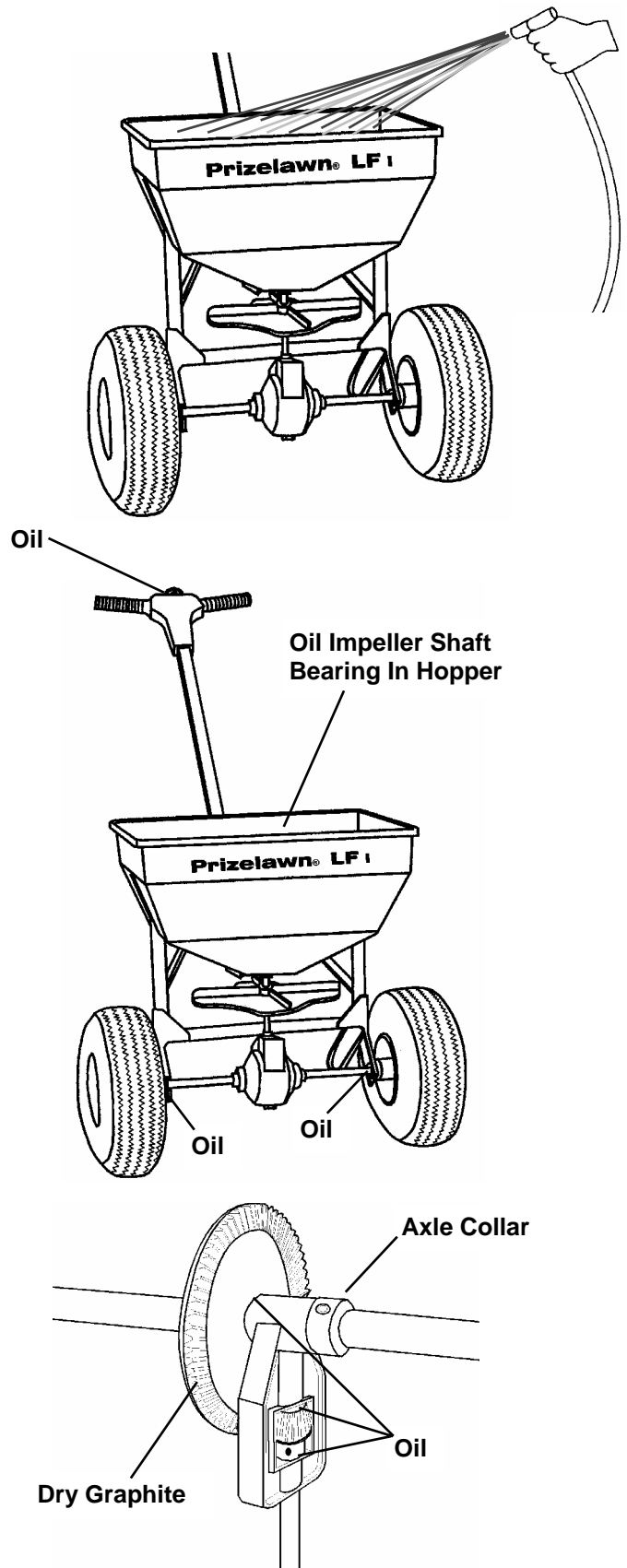
3. Oil the axle bearings, impeller shaft bearing in hopper, control knob in T-handle.

4. Remove gear cover and wash gears thoroughly. Oil all bearing areas and face of gear teeth. Re-install gear cover.

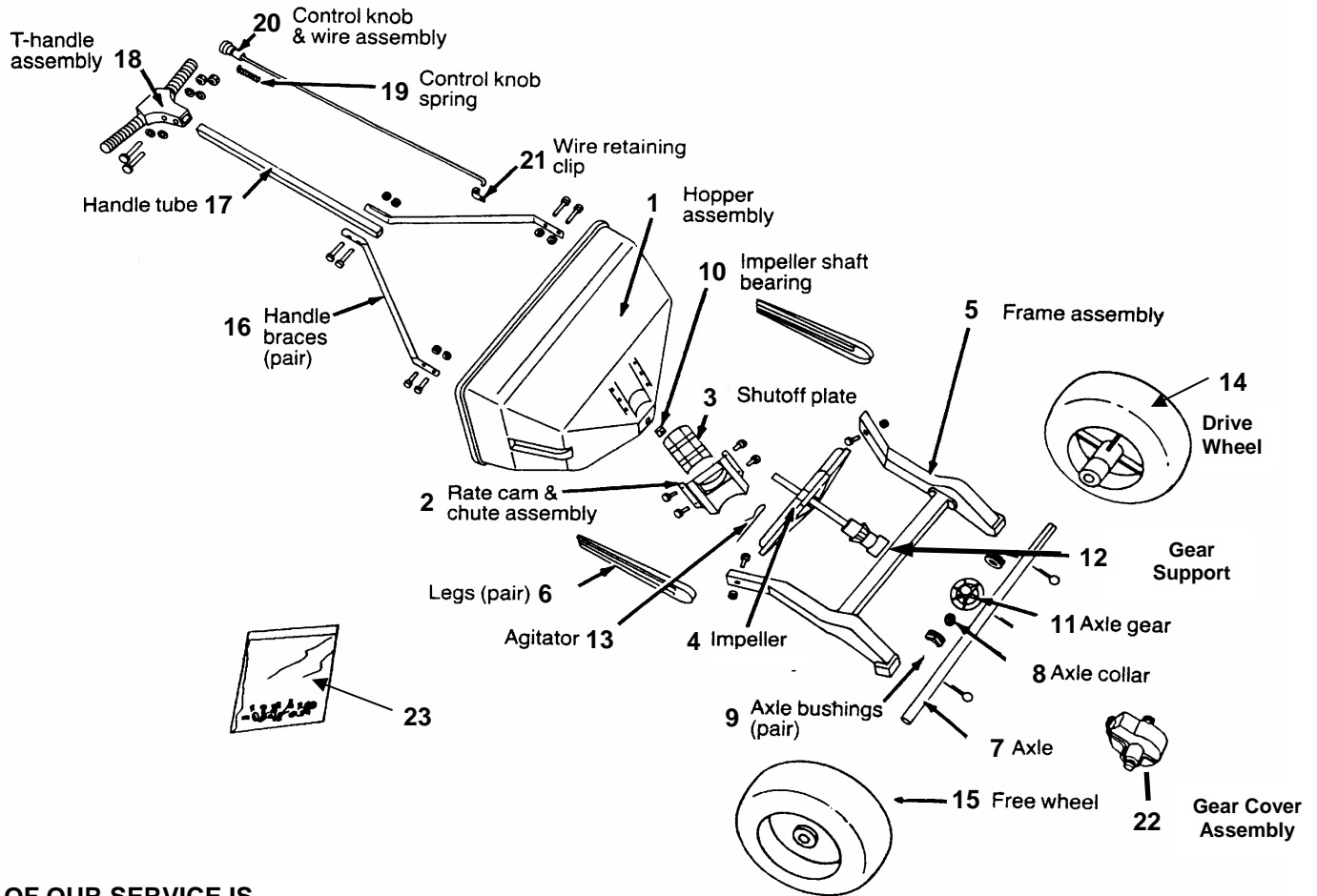
5. Gear mesh should be checked on a regular basis during high use periods. Clearance between the axle gear and pinion gear should be minimal but not tight. If adjustment is necessary, loosen axle collar set screw and hold gears together. Slide axle collar against the gear support and tighten axle collar set screw. Spin drive wheel. Gears should run freely and smoothly.

6. Impeller surface should be cleaned periodically to remove build-up of product. Build-up can cause the spread pattern to change.

7. Tire pressure should be 20-25 PSI.



Parts List for Model LF1



PART OF OUR SERVICE IS PROVIDING REPLACEMENT PARTS. Parts may be obtained through your local distributor. be sure to give:

1. SPREADER MODEL NUMBER
2. SPREADER NAME
3. PART NUMBER
4. NAME OF PART AS SHOWN

IF YOUR LOCAL DISTRIBUTOR CANNOT SUPPLY PARTS, CONTACT:



PSB Company

555 West Goodale Street

P.O. Box 1089

Columbus, Ohio 43216-1089

(614) 228-5781 EXT. 655

FAX (614) 221-9398

www.PSBCompany.com

No.	Description	LF1 Part No.	No.	Description	LF1 Part No.
1	Hopper Ass'y-includes #2&3	14508-2	13	Agitator	14510
2	Rate Cam & Chute Assembly	14455-1	14	Drive Wheel	14939-1
3	Shutoff Plate	14454-1	15	Free Wheel	14940-1
4	Impeller *	14460-1	16	Handle Braces (2)	13613-1
5	Frame Assembly	14941-1	17	Handle Tube	14513-1
6	Legs* (2)	13619-1	18	T-Handle Assembly *	13634-2
7	Axle	14948	19	Control Knob Spring	14462
8	Axle Collar	13362	20	Control Knob & Wire Ass'y.	13640-1
9	Axle Bushings * (2)	14951	21	Wire Retaining Clip	13643-1
10	Impeller Shaft Bearing	13628	22	Gear Cover Assembly *	13623-1
11	Axle Gear	13625-1	23	Fastner Package *	14950
12	Gear Support Assembly	14955	—	Parts Bag (not shown)	14949

*PARTS INCLUDED IN PARTS BAG

© 2003 PSB COMPANY