

# **PRIZELAWN** BY EARTHWAY Model PSR2K-PRO

*Professional Rotary Spreader*

## **Assembly, Use and Care**

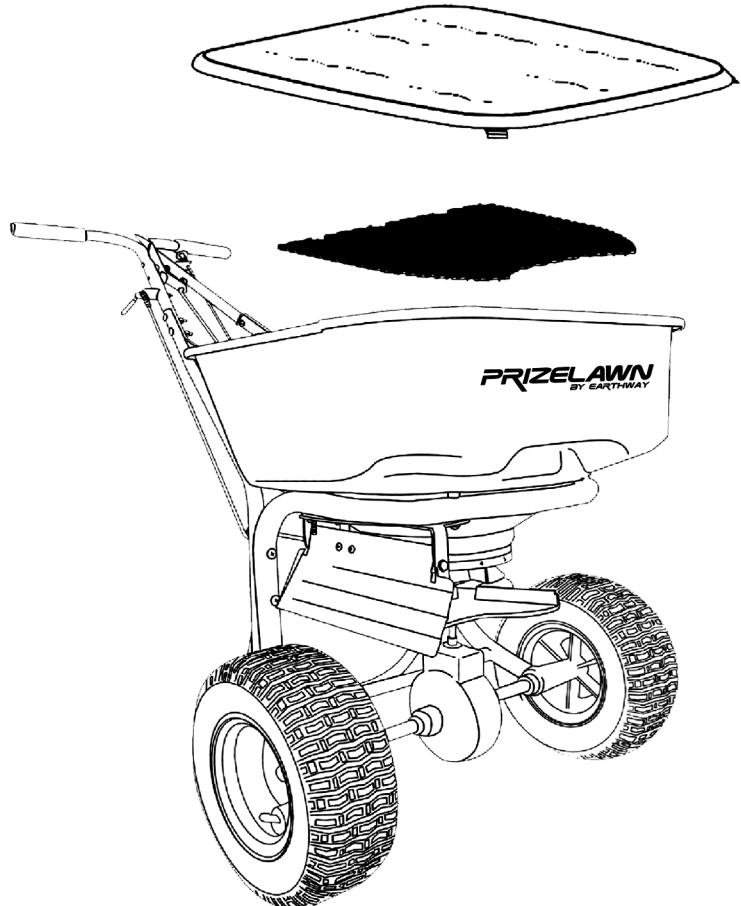
### **Thank You!**

You have purchased the highest quality professional broadcast spreader available on the market today. The Model SR2K-PRO is the accumulation of proven performance and will provide you with years of trouble-free service. In the event you should have any questions or comments, please call our professional support staff.

**For any questions and assistance call +1 (574) 848-7491**

### **Before You Begin ....**

To assemble your new spreader, we highly recommend that you read all the instructions thoroughly, familiarize yourself with the assembly and components, and verify that all parts are included in the package.



### **You Will Need ....**

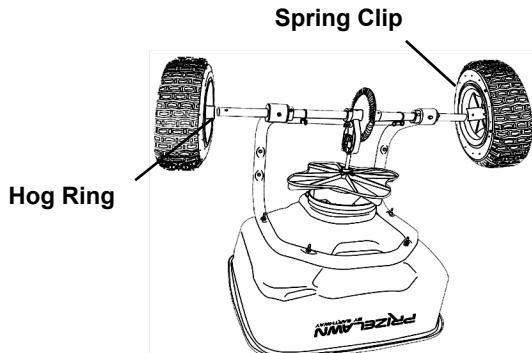
The following tools:

- 1/2", 7/16" and 3/8"open-end wrenches (or adjustable wrench)
- Pliers
- Phillips head screwdriver
- Grease gun

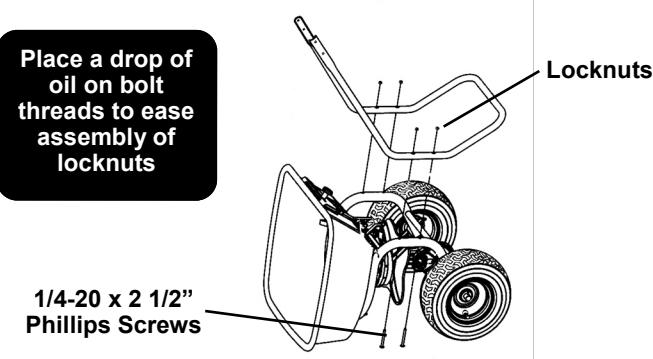
# Assembly

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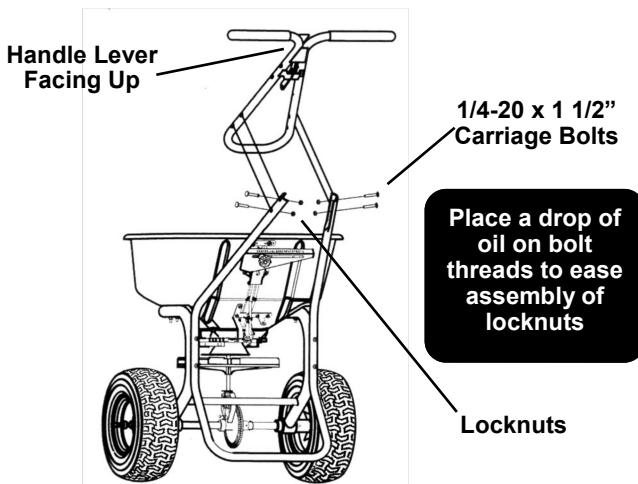
**1)** Turn the spreader upside-down. Place the wheels on the axle with the longer portion of the hubs facing inward. Secure the drive wheel to the axle using Spring Clip. Attach the idler wheel to axle. Then insert the Hog Ring through the axle and secure. Both wheels are identical and both can be used as the Idler or drive wheel.



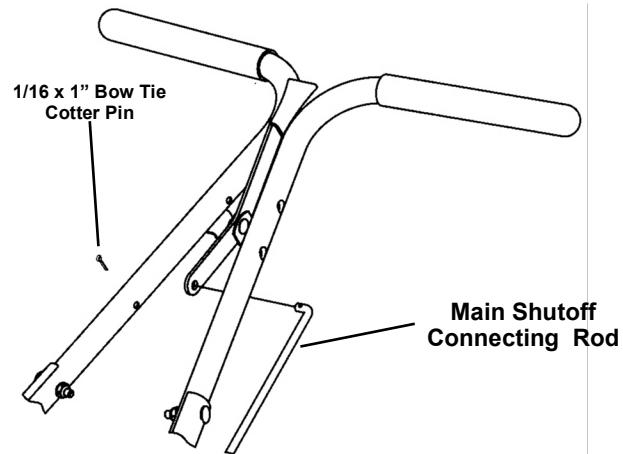
**2)** Place the spreader on its front side and attach the rest to the frame using (4) 1/4-20 x 2 1/2" Phillips screws and locknuts.



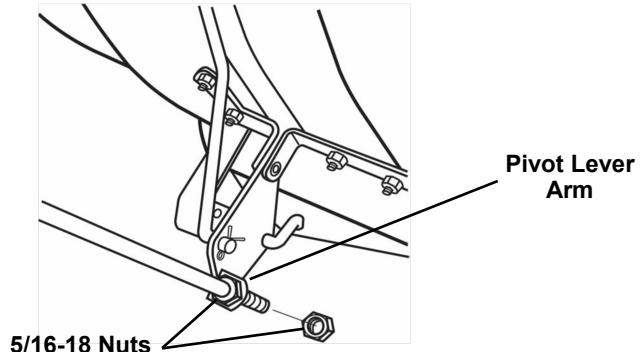
**3)** Return the spreader to an upright position and attach the upper handle to the rest with (4) 1/4-20 x 1 1/2" carriage bolts and locknuts. **Be sure that the handle lever is facing up.**



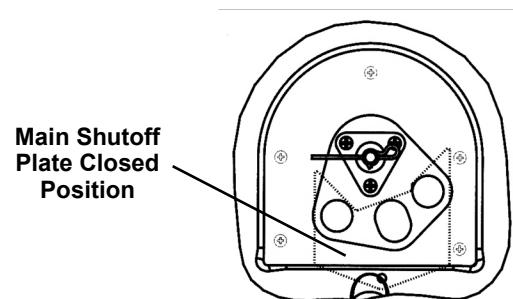
**4)** Insert the bent end of the main shutoff connecting rod through the hole in the lever and secure with a 1/16 x 1" Bow Tie Cotter Pin.



**5)** Thread one 5/16-18 hex nut onto the lower end of the main shutoff control rod until it stops. Insert the rod through the pivot lever arm as shown, and thread the second 5/16-18 nut up to the pivot lever arm; **do not tighten yet.**



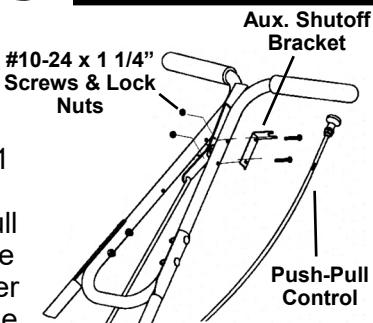
**6)** Pull the main shutoff lever to the closed position and look inside to see if the port holes are closed. If not, adjust the top and bottom nut down in small increments and recheck for closure. **CAUTION-DO NOT ADJUST THE TOP NUT TOO FAR DOWN TO PREVENT BINDING THE MECHANISM.** When the ports are closed completely, thread the bottom nut up and tighten both nuts.



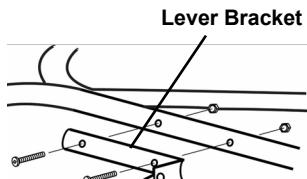
# Assembly

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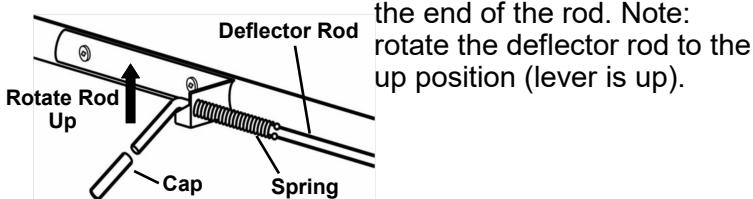
**7)** Attach the auxiliary shutoff bracket to the left side of the handle using (2) #10-24 x 1 1/4" Phillips screws and locknuts. Slide the push-pull control into the notch on the bracket between the washer and the hex nut. Tighten the nut while taking care not to twist the cable. Secure cable to frame with a wire tie.



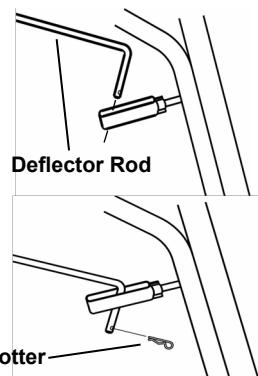
**8)** Attach the lever bracket to handle using (2) #10-24 x 1 1/4" Phillips screws and locknuts. Be sure bracket is aligned as shown.



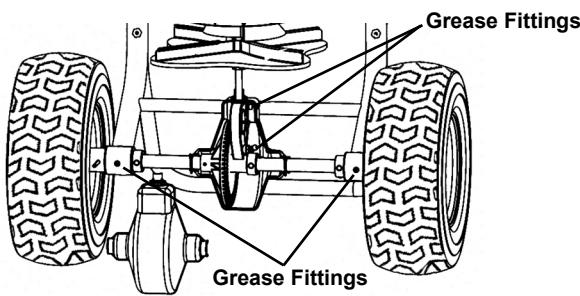
Slide the spring onto the end of the deflector rod with the form tabs as shown. Insert end of rod through the hole in the deflector bracket. Slide the rubber cap onto the end of the rod. Note: rotate the deflector rod to the up position (lever is up).



**9)** Insert the opposite end of the deflector control rod into the loop end of the deflector shield assembly. Secure lower end of control rod with a hitch pin. Test control rod by rotating the rod—the deflector shield should rotate up and down.



**10)** Using a grease gun, lubricate the grease fittings on the axle bearing housings and gear carrier. **Do not overfill**. Apply a small amount of grease to the gear teeth. Install the two gearbox cover halves and secure with the three retainer clips. Insert the screen inside the hopper and secure it with the factory installed clips.



## Maintenance

**1)** Empty the spreader after each use. Return the unused material to its original container and seal to prevent moisture-causing clumping.

**2)** Wash the spreader thoroughly including the impeller shaft bearing as shown and dry in a sunny or heated area. Wipe or blow off excess water to prevent corrosion. Clean all residue from rotor plate.

**3)** Periodically grease the axle bearing housings as indicated in assembly step #10. Turn the spreader up side down and apply a few drops of oil to the impeller shaft bearing as shown and allow oil to penetrate bearing.

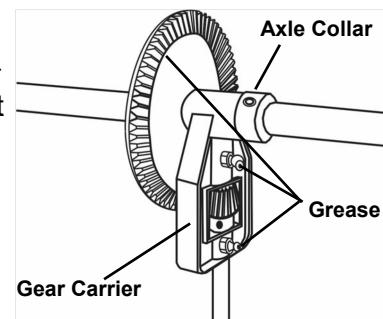


**4)** Oil the pivot points on all the control linkage, the deflector (optional part), and the spring inside the rate control housing.

**5)** Periodically clean and inspect the gears by removing the gearbox cover halves. Apply a **small** amount of grease to the gear teeth for lubrication.

**6)** Apply a **small** amount of grease at the gear fittings as indicated in assembly step #10. Be sure to reinstall the gearbox cover halves prior to use.

**7)** 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 the gears together. Slide the axle collar against the gear carrier and tighten axle collar set screw. Spin drive wheel. Gears should run freely and smoothly.



**8)** Maintain tire pressure at **20 psi maximum**. **Do not overfill**.

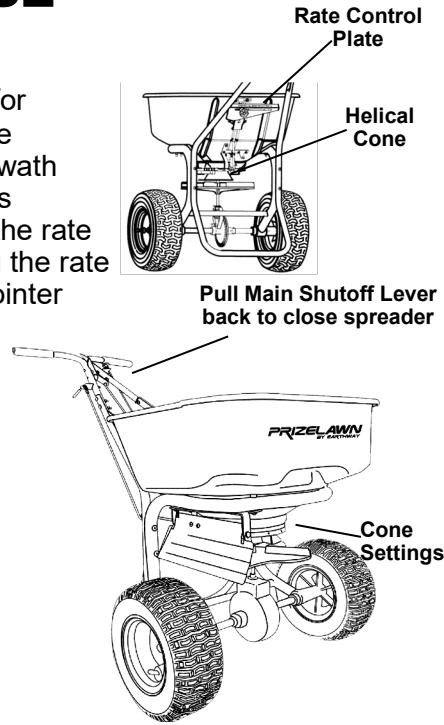
**9)** If the axle requires disassembly, be sure to reassemble it so the drive wheel attaches on the right hand side of spreader. Incorrect spread pattern will result if rotor plate does not rotate in a counter-clockwise direction.

# Operation

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## HOW TO USE

**1)** Check product bag for rate setting (letter), cone setting (number), and swath width. The rate setting is achieved by loosening the rate control knob and sliding the rate control plate until the pointer aligns with the desired letter. The cone setting is used to control the spread pattern left and right and is adjusted by rotating the index tab on the orange helical cone to the desired number. Larger particle sizes will have a lower cone setting.



Particle SGN	Cone Setting
240	3
215	4
150	5
145	6
125	7
100	8
75	9

**2)** Pull the main shutoff lever to the closed position before filling the hopper.

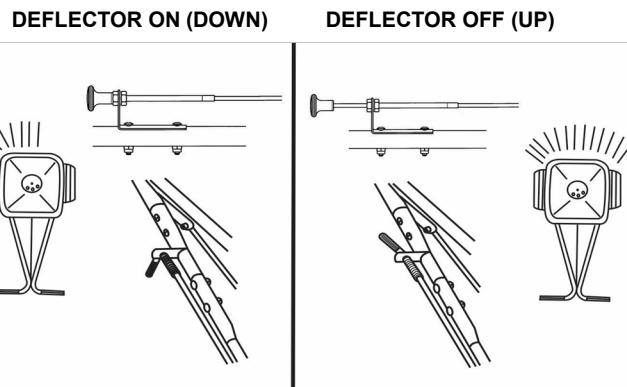
**3)** Start rolling the spreader forward before opening the shutoff lever; close shutoff lever before stopping.

**4)** Hold the handle so the hopper is level. Tipping the spreader too far forward or backward will cause uneven spreading.

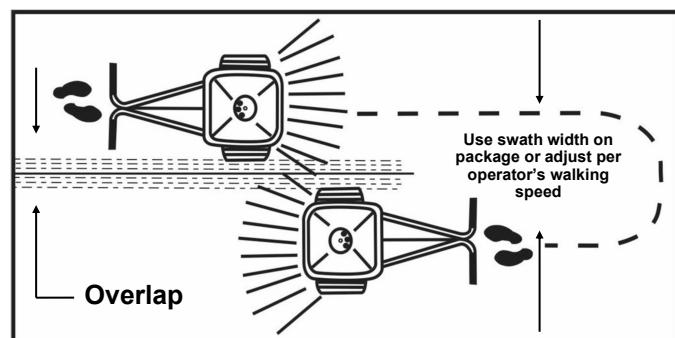
**5)** Use the swath width recommended on the bag for your model and push the spreader at 3 MPH (a brisk walking pace). Apply material in the forward direction

**6)** The settings given on the product label are recommended starting points. **Test rate and pattern on a small area before treating a large area. Actual application rate can vary depending on the weather, spreader condition, and walking speed.**

**7)** The deflector shield is used to block off the right side portion of the swath width. It should be used in the "ON" position (shield is down) together with the auxiliary shutoff in the "CLOSED" position (done by pushing the control knob forward). **IMPORTANT: Turf products will be applied excessively at the center of the swath if the auxiliary shutoff is not closed when the deflector is in use. Always remember to re-open the auxiliary shutoff (pull the control knob back) when returning to a full swath width.**

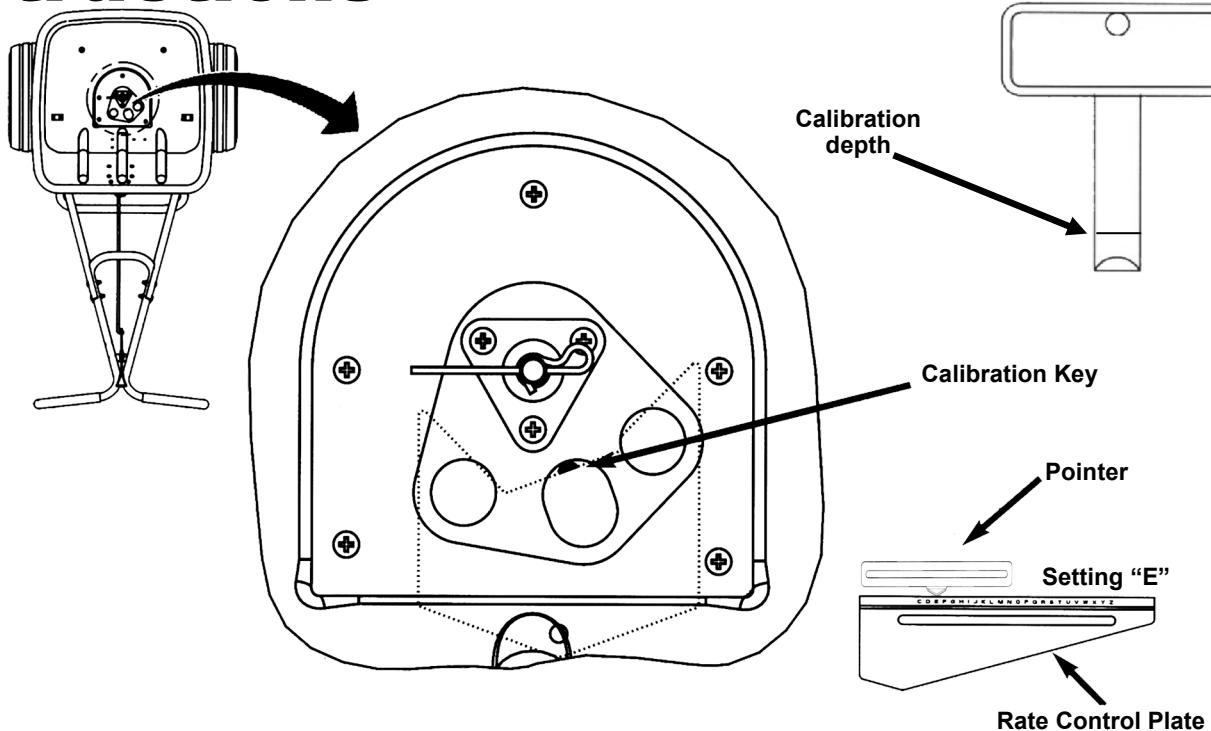


**8)** A hopper cover is provided with your new spreader. Use it to protect turf products inside the hopper from light rain or windy conditions during transportation.



# Calibration Instructions

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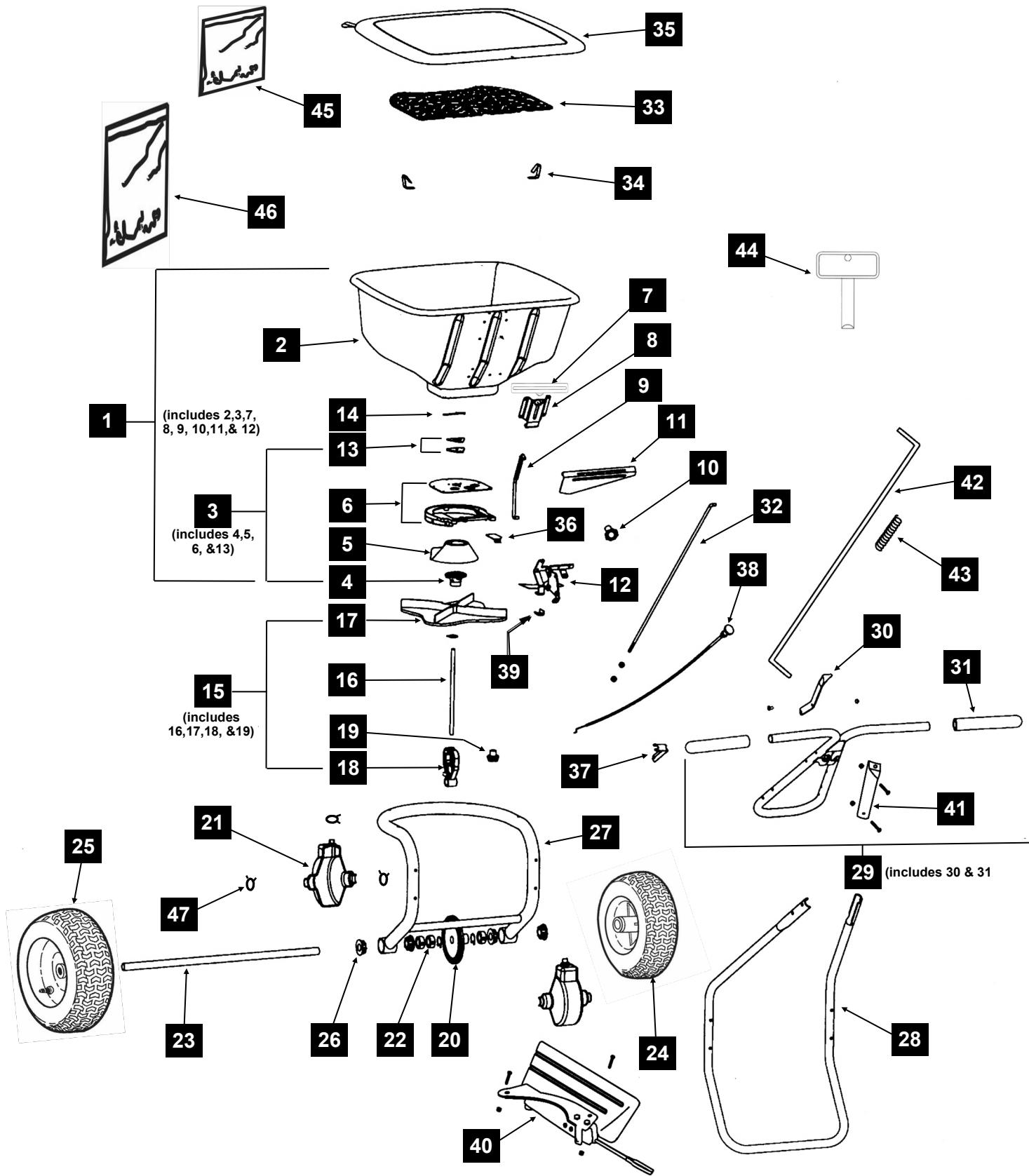


**Your professional spreader has been factory calibrated. For best results, occasionally check calibration and adjust if necessary.**

- 1) Pull the main shutoff lever to the closed position.
- 2) Set the rate control plate to the "E" setting.
- 3) Push the main shutoff lever to the open position.
- 4) Insert the Calibration Key vertically into the center port hole, as shown above.
- 5) If the calibration key fits snugly, the spreader is properly calibrated. If not, continue with steps 6-13.
- 6) Loosen the rate control knob and slide the rate plate all the way to the left.
- 7) Insert the calibration key as described in Step #4.
- 8) Pull the main shutoff lever to ease the shutoff plate against the calibration key. Use the main shutoff lever to hold the calibration key in place.
- 9) Slide the rate control plate to the right until it comes in contact with the protruding end of the rate control rod.
- 10) Tighten the rate control knob.
- 11) Remove the calibration key and pull the main shutoff lever to the closed position.
- 12) Loosen the nuts securing the rate control pointer and slide the pointer so that it centers on the "E" setting of the rate control plate
- 13) Re-tighten the screws on the pointer.

# Parts Diagram

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# Ordering Parts

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See diagram for assistance in identifying specific parts.

For parts orders, call +1 (574) 848-7491

**IMPORTANT:** When ordering replacement parts, always provide the following information:

- 1) Part number (DO NOT use key numbers when ordering parts. **ALWAYS** use part numbers.)
- 2) Part description
- 3) EarthWay Model PSR2K-PRO

KEY #	PART DESCRIPTION	PART #
1	Hopper Assembly	60622
2	*Hopper	P15600
3	*Helical Cone Assembly	P780955
4	*Helical Cone Retainer/Bearing Shield	P792005-KIT
5	*Helical Cone	P780951
6	*Shutoff Plate Retainer/Shutoff Plate Base	P792002-KIT
7	*Pointer	P790342
8	*Rate Control Housing	P790321-04
9	*Rate Control Rod Assembly	P790395-KIT
10	*Rate Control Knob/Washer	P792003-KIT
11	*Rate Control Plate	P790331-04S
12	*Pivot Lever/Main Shutoff Plate Assembly	P790266
13	*Agitator-Retainer & Felt Seal	P792004-KIT
14	Agitator Pin	P780100
15	Impeller and Gear Carrier Assembly	P780195
16	Impeller Shaft	P790020-KIT
17	Impeller Plate	P780191-KIT
18	Gear Carrier-Complete	P780155-1
19	Pinion Gear	P780122-KIT
20	Ring Gear	P780121-KIT
21	Gearbox Cover Kit	P780110B-KIT
22	Axle Collar (each)	P780200
23	Axle	P790015-KIT
24	Drive Wheel	P790120W
25	Idler Wheel	P790120W
26	Axle Bearing (each)	P790151
27	Frame Assembly (includes #26)	79065
28	Rest	79056
29	Handle Assembly (includes #30 & #31)	79068
30	Main Shutoff Lever	Included in #29
31	Hand Grips (each)	P14870
32	Main Shutoff Rod	P790250
33	Hopper Screen	18126
34	Hopper Screen Clip (each)	P14864
35	Hopper Cover	F77130
36	Auxiliary Shutoff Plate	P780220
37	Auxiliary Shutoff Cable Bracket	P790552
38	Auxiliary Shutoff Cable	P790490
39	Auxiliary Shutoff Clamp	12319
40	Deflector Shield Assembly	P1000060
41	Deflector Lever Bracket	P1000059
42	Deflector Control Rod	P1000053
43	Spring-Deflector Control Rod	P1000052
44	Calibration Key (see calibration instructions)	P15740
45	Fastener Package (included in Parts Bag)	P1000068
46	Parts Package	P15800-PSREW
47	Retainer Clips-Gear Cover (each)	P14868-1



**For More  
Information  
Call or Email . . .**

**+1 (574) 848-7491  
sales@earthway.com**

**Or Visit Our  
Website At ...**  
[www.earthway.com](http://www.earthway.com)

# Warranty

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## 12 Month Limited Warranty

EarthWay Products, Inc. provides this limited warranty that this product is free of defects in original workmanship and materials for a period of one year to the end user with the original purchase receipt. If a manufacturing non-conformance is found, EarthWay Products, Inc. at its discretion will repair or replace the part(s)/product at no charge provided the failure is not the result of incorrect installation, mishandling, misuse, tampering, improper storage, or normal wear and tear as determined by EarthWay. Due to the corrosive nature of most fertilizers and ice melt products, EarthWay Products, Inc. makes no warranty against and specifically excludes part(s) or product degradation or failure due to corrosion or its effects.

EarthWay at its discretion may require that the part(s) or product be returned along with the original purchase receipt for examination and compliance with the terms of this limited warranty. Do not return any product without first receiving authorization from EarthWay Products, Inc. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF SUCH PARTY SHALL HAVE BEEN ADVISED OF THE POSSIBILITY OF THE SAME.

To seek remedy under this limited warranty, contact EarthWay Products, Inc. at [support@earthway.com](mailto:support@earthway.com) or write to EarthWay Products, Inc. 1009 Maple Street, Bristol, IN 46507, and describe the nature of the manufacturing defect. **SPECIFIC LIMITATIONS:** This limited warranty covers only the part(s) or product; any labor charges associated with the repair or replacement of non-conformances are specifically excluded.

The above-listed warranty procedure is a condition precedent to bringing any legal action to enforce this limited warranty. Any action to enforce any portion of this limited warranty must be commenced within ninety days after the expiration of the limited warranty coverage period. Any performance of repairs will not suspend this limitation period from expiring unless state law provides otherwise. Any performance of repairs after the limited warranty coverage period has expired, or performance of repairs regarding anything excluded from coverage under this limited warranty shall be considered "goodwill" repairs, and they will not change the express terms of this limited warranty or extend the limited warranty coverage period.

Exclusive jurisdiction for deciding legal disputes relating to alleged breach of warranty or representations of any nature relating to this limited warranty must be filed in the courts of Elkhart County within the State of Indiana. Any and all claims, controversies, and causes of action arising out of or relating to this limited warranty, whether sounding in contract, tort, or statute, will be governed by the laws of the State of Indiana, without giving effect to any choice or conflict of law provision or rule. **NO OTHER WARRANTY, EXPRESS, IMPLIED, OR STATUTORY, SHALL APPLY, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, APPLICATION, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OBLIGATION ON THE PART EARTHWAY, AND ALL SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED.** In the event that applicable law prevents the disclaimer of any implied warranties, then such implied warranty shall be limited to the fullest extent permitted by law. Without limiting the foregoing, if applicable prevents the disclaimer of any such implied warranties, this limited warranty limits the period of time in which a claim for breach of implied warranties, including but not limited to the implied warranty of merchantability or fitness for a particular purpose, may be filed. In such event, any claim for breach of implied warranty must be brought before the expiration of this express limited warranty's one-year term.