

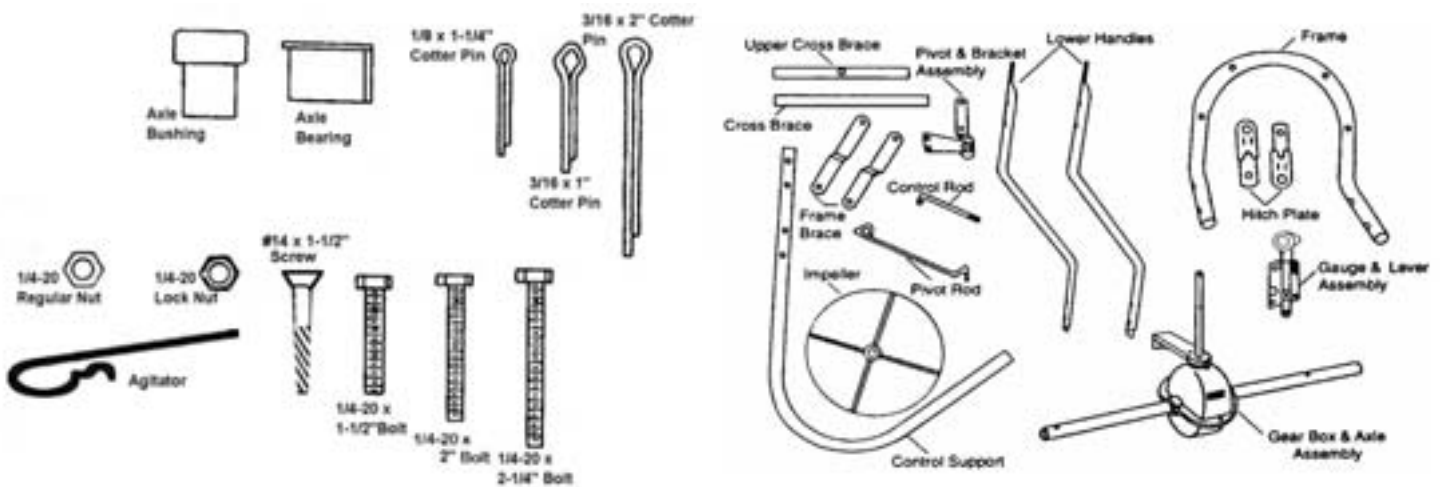
EarthWay EV-N-SPRED

ASSEMBLY and OPERATING INSTRUCTIONS
for *EarthWay Ev-N-Spred*[®]
MODEL 2150T Tow
Broadcast Spreader
REV. 2-05

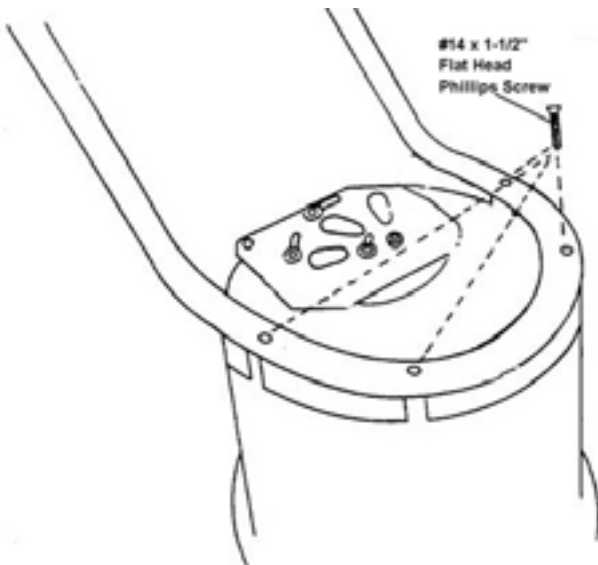
PLEASE: CALL US IF YOU HAVE DIFFICULTY BEFORE YOU RETURN THIS TO THE STORE.
PARTS HOT LINE PHONE: 574-848-7491

HELPFUL HINTS: READ THE DIRECTIONS BEFORE ASSEMBLY

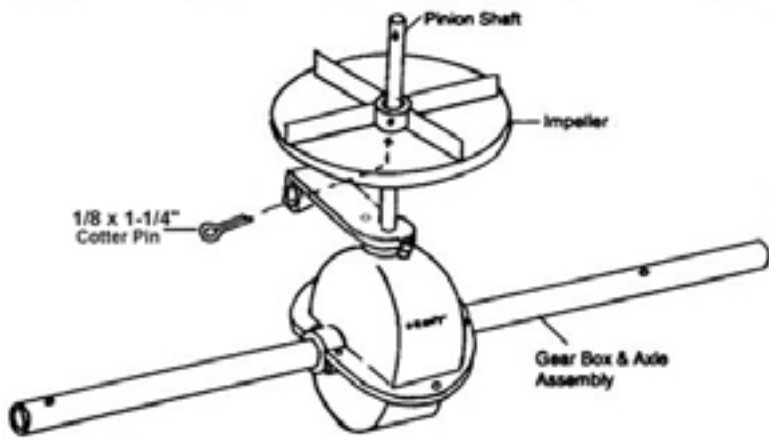
- ◀ If your spreader does not spread evenly, be sure the FRONT on the gear box points in the correct direction (away from the tow hitch). The impeller must turn clockwise when looking down into the hopper. Reversing the gearbox will cause the impeller to turn counter clockwise. Clean the impeller plate after each use. Fertilizer stuck on the impeller blades will cause uneven spreading.
- ◀ Your spreader is designed to be pushed at three miles per hour, which is a brisk walking speed. Slower or faster speeds will change the spread patterns. Wet fertilizer will also change the spread pattern and flow rate.
- ◀ Clean your spreader thoroughly after each use. Wash between the shut off plate and bottom of the hopper.
- ◀ Gears are permanently lubricated at the factory. Do not open the gearbox or dirt may enter.
- ◀ When using **Rock Salt** remove the agitator to prevent damage to the gearbox and remove salt from the hopper daily. **Rock Salt** will reconstitute back into a solid block over night with humidity.



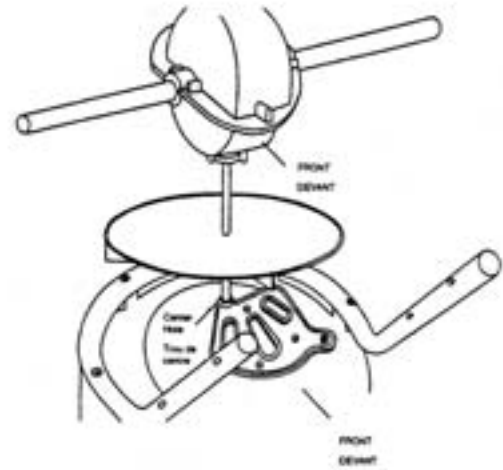
1. Remove and identify loose parts from carton.



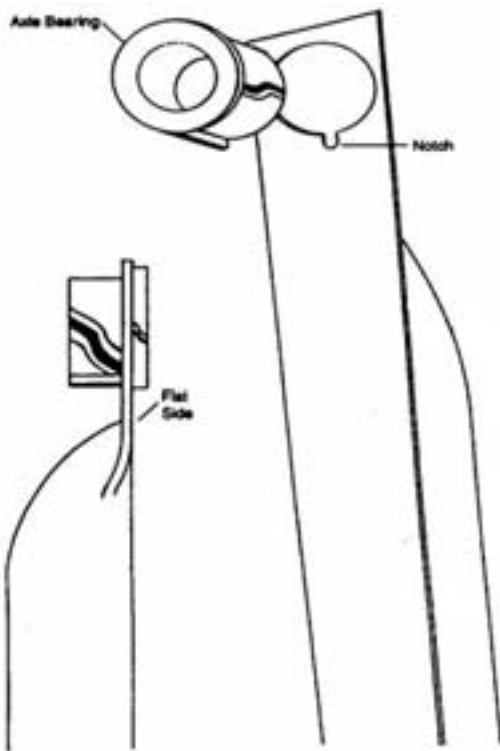
2. Position hopper upside down and install frame using (4) #14 x 1 1/2" flat head Phillips screws.



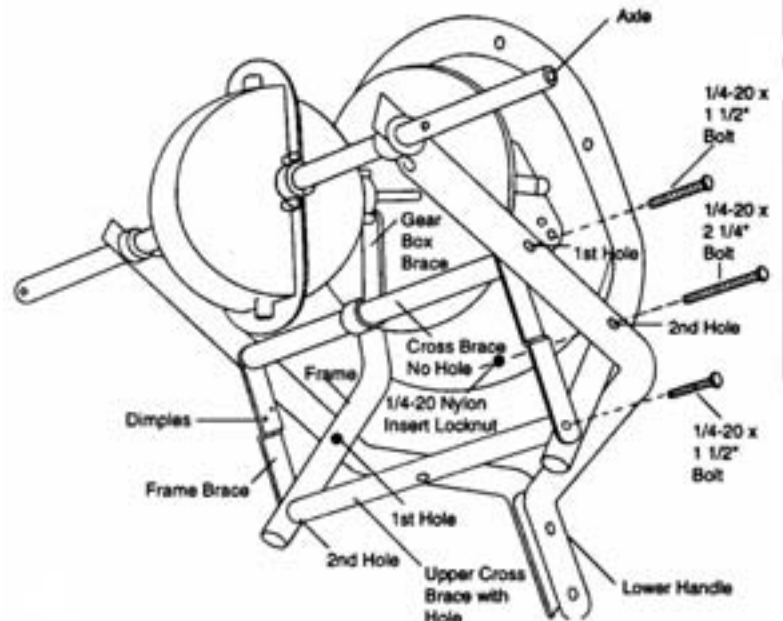
3. Install impeller onto pinion shaft. Insert $\frac{1}{8}$ " x 1- $\frac{1}{4}$ " cotter pin through impeller then through pinion shaft. Use hole closest to the gear box. Spread cotter pin to prevent from falling out.



4. Install gear box by inserting the pinion shaft into hole in center of hoppers bottom. The word "**FRONT**" on the gear-box must point to **Front** of the hopper. Follow label instructions on hopper. Insert cross brace thru brace support on gearbox.

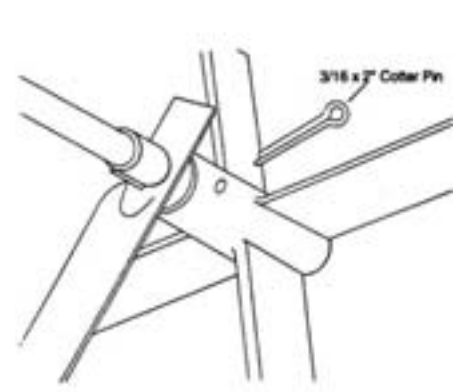
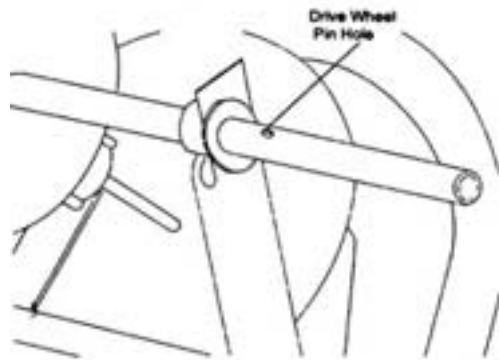
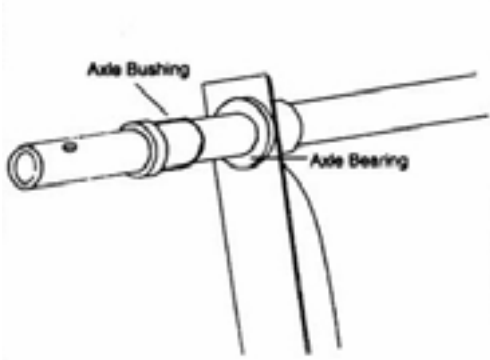


5. Install axle bearings to both lower handles.
NOTE: Notch on bearings and lower handles. Bearings must go through flat side of lower handle.



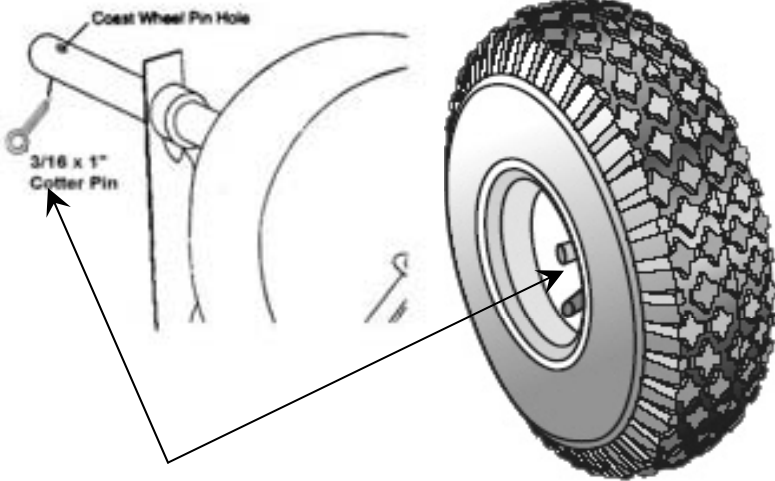
- 6.** A. Install lower handles onto axle to both sides as shown. Insert 2 $\frac{1}{4}$ " bolt through second hole in lower handle and through first hole in frame install locknut. **DO NOT TIGHTEN.**
 B. Now insert 1 $\frac{1}{2}$ " bolt through first hole in lower handle. Then through frame brace. **NOTE:** Dimples on frame brace must be facing toward gear box as shown. Next into threaded connector in cross brace. **DO NOT TIGHTEN.**
 C. Next insert 1 $\frac{1}{2}$ " bolt through other end of frame brace and through second hole in frame install locknut.

NOW GO BACK AND TIGHTEN ALL NUTS AND BOLTS STARTING WITH FIRST STEP. DO NOT OVER TIGHTEN.



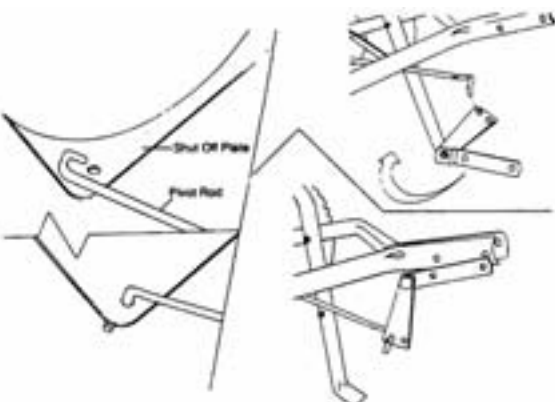
7. Slide axle bushing over axle and into axle bearing to both sides as shown.

8. Install drive wheel (both wheels are interchangeable) to axle using pin hole nearest to lower handles as shown. Insert 2" cotter pin through wheel and through axle. Bend with pliers to prevent pin from falling out. Slide axle bushing over axle and into axle bearing to both sides as shown.



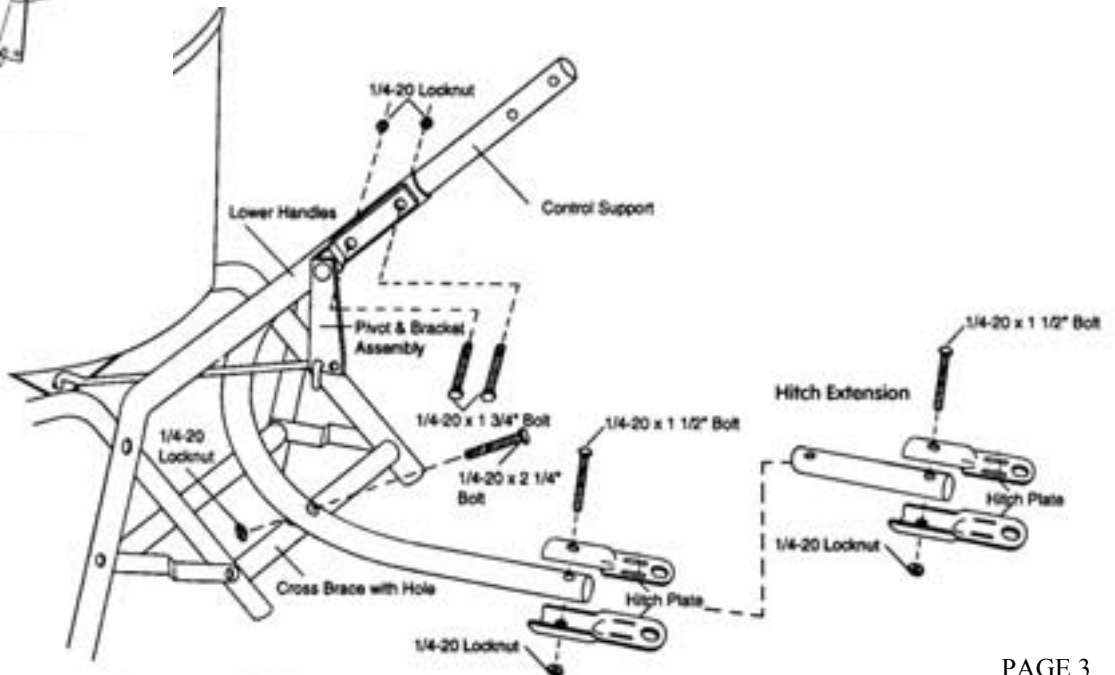
9. Install coast wheel to axle using outside pin hole. As shown, insert 1" cotter pin through axle (not thru the wheel). Bend with pliers to prevent pin from falling out. **TURN SPREADER UPRIGHT ON TO WHEEL.**

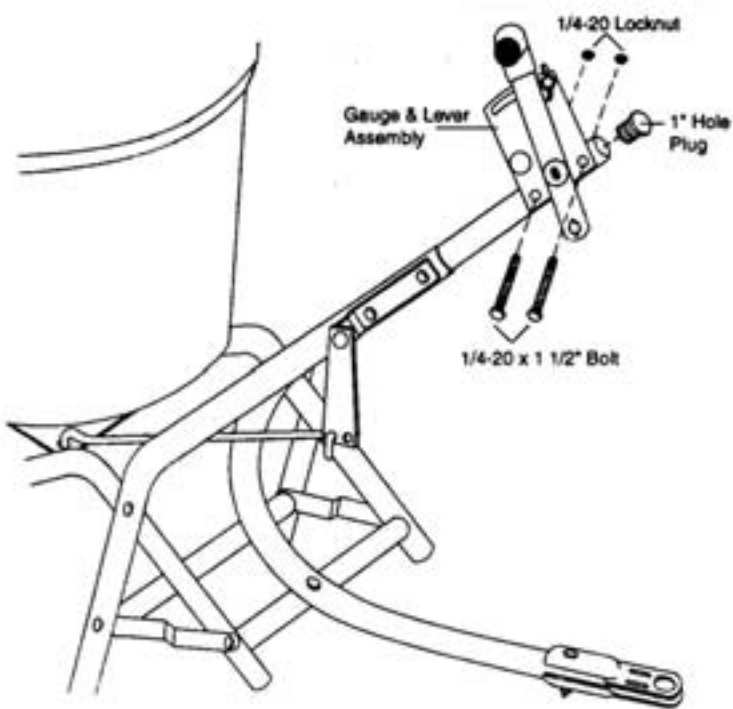
10. Install control support between lower handles as shown. Line up hole in cross brace with hole in control support. Insert 1/4-20 x 2-1/4" bolt through control support and through hole in cross brace. Apply 1/4-20 locknut. **DO NOT TIGHTEN LOCKNUT YET. TIGHTEN THIS NUT LAST.** Install gauge & lever using (2) 1 3/4" bolts. Be sure gauge is on left hand side. Tighten locknuts to gauge first. **TIGHTEN NOW.**



11. Insert pivot rod into shut off plate as shown. Turn to lock in place. Insert other end of pivot rod into pivot and bracket assembly as shown. Turn to lock in place.

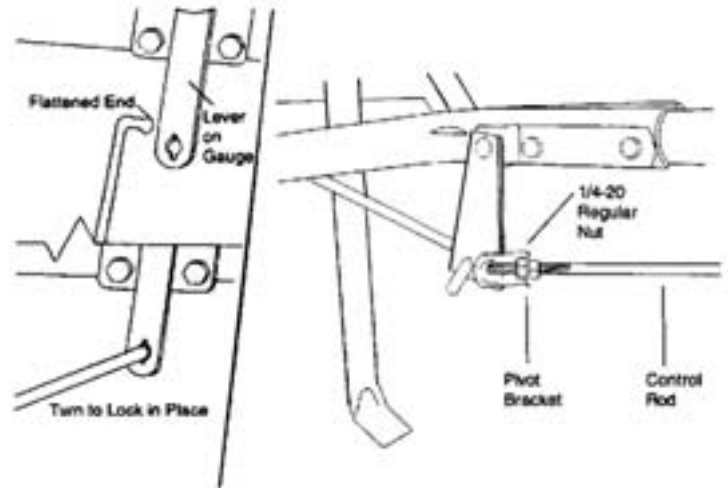
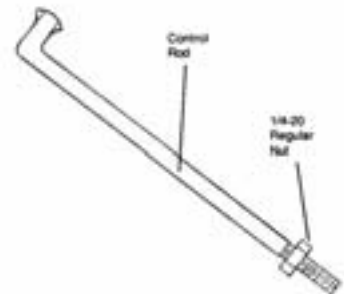
12. Install Hitch Extension on to control support if required for clearance in your tractor.





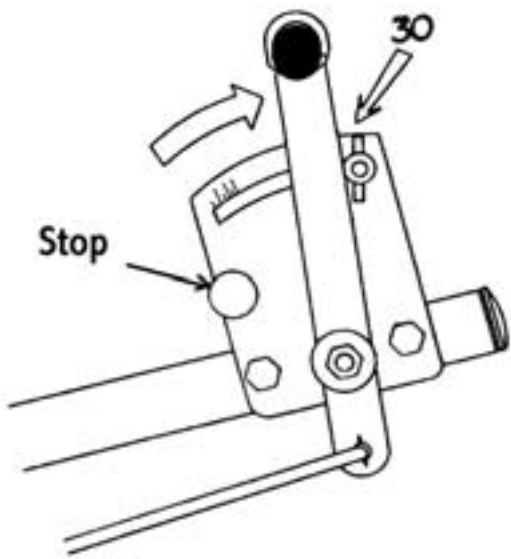
13. Attach gauge and lever assembly to control support using (2) 1/4-20 x 1 1/2" bolts and (2) 1/4-20 locknuts. **TIGHTEN NOW.**

14. Install (1) 1/4-20 regular nut (not a lock-nut) on to control rod as shown.

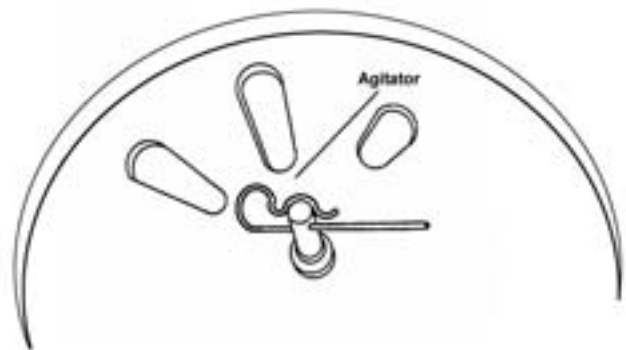


15. Install flattened end of control rod in to lever on gauge as shown. Turn to lock in place. Next push lever forward to setting **STOP**. Align control rod with hole in pivot bracket, pull lever backward to insert control rod through hole in pivot bracket. Now install 1/4-20 regular nut on to control rod.

DO NOT TIGHTEN NUTS YET.



16. Pull lever back to setting "30" as shown. Next push pivot & bracket forward so that the shut off plate in the hopper is in the full open position. **REMEMBER SETTING "30" ON THE FLOW CONTROL LEVER MUST PLACE THE SHUT-OFF PLATE IN THE FULL OPEN POSITION TO BE PROPERLY CALIBRATED.** Now tighten the nuts against the pivot bracket to prevent change in calibration.



17. Insert agitator to pinion shaft on inside of hopper. **Note the position of flat side of the agitator.** This pin should be installed as shown.

DO NOT RETURN TO DEALER FOR REPAIR

EARTHWAY PRODUCTS, INC.
1009 Maple Street
P.O. Box 547
Bristol, IN 46507

FOR YOUR RECORDS

Date Purchased

Store Name

HOW TO ORDER SPARE PARTS

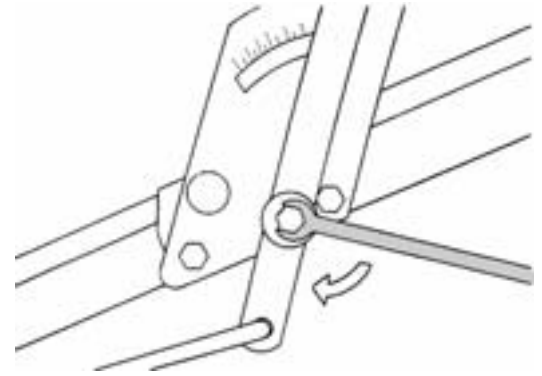
All spare parts listed herein may be ordered direct from the manufacturer, **EARTHWAY PRODUCTS, INC.** Be sure to give the following information when ordering.

1. **Model Number**
2. **Part Number**
3. **Part Description**

Call (574) 848-7491 or write for current prices.

The settings furnished on the Rate Setting Chart are intended as a guide only. Variations in physical characteristics of material applied, walking/towing speed, and roughness of ground surface may require slightly different spreader settings.

Due to the above conditions, EARTHWAY PRODUCTS, INC. makes no warranty as to the uniformity of coverage actually obtained from the settings listed.



18. Tension on the flow control lever may be adjusted by tightening or loosening the tension nut as shown.

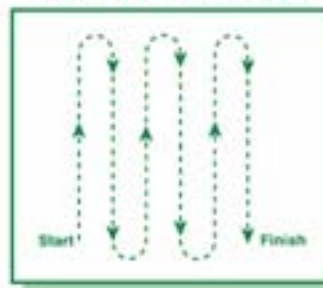
OPERATING INSTRUCTIONS

Before filling hopper, become familiar with the operation of this spreader.

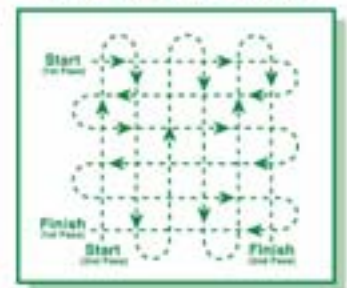
- * Obtain proper setting for material to be used from the RATE SETTING CHART included with this spreader.
- * Move stop bolt on rate gauge assembly to the proper setting.
- * While pushing spreader forward, pull control lever back to stop bolt.
- * To stop, push lever forward to close flow holes before you stop moving.
- * When finished, empty any remaining material from hopper.
- * Thoroughly wash spreader and allow to dry before storing. No oiling is necessary.
- * Remove agitator when using Rock Salt to prevent damage to the gearbox.

SUGGESTED SPREAD PATTERNS

FULL RATE SETTINGS



HALF RATE SETTINGS



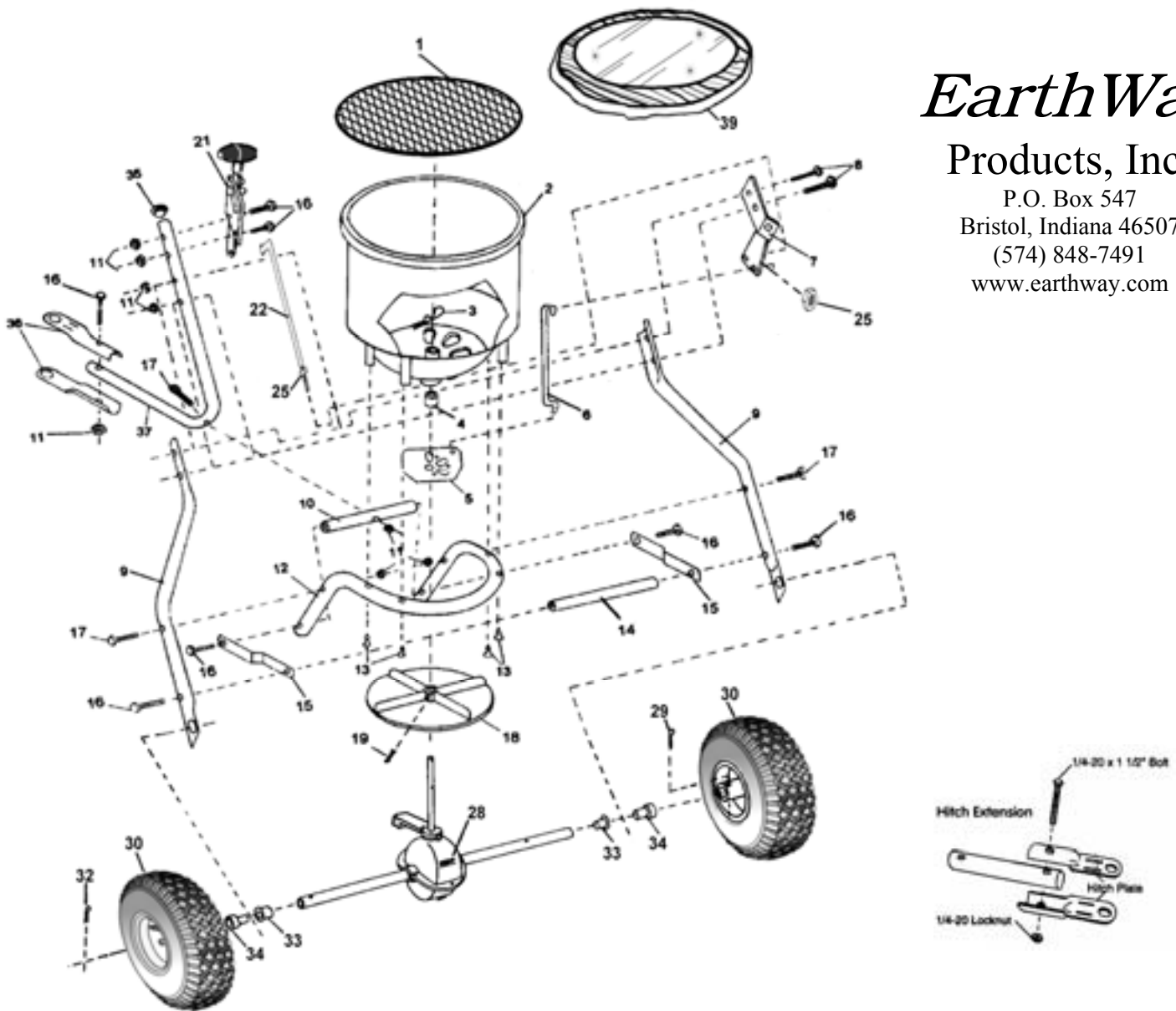
WARRANTY

EARTHWAY guarantees this product to be free of defects in original workmanship and materials for a period of 90-days from sale to the original user. If any defect develops during this period EARTHWAY will repair or replace this product at no charge provided the defect is not the result of mishandling or tampering and that this product is received at the factory with shipping charges prepaid. For quicker service you may call EARTHWAY at **574-848-7491** or write and describe the nature of the defect and we will send repair parts to you. Due to the corrosive nature of most fertilizers and ice melters, EARTHWAY PRODUCTS, INC. makes no warranty or guarantee against corrosion failure on models with plated steel or painted steel frames. Clean your spreader well after each use. Warranty covers parts only, not any labor charges.

EarthWay®

Products, Inc.

P.O. Box 547
 Bristol, Indiana 46507
 (574) 848-7491
 www.earthway.com



2150T Commercial 50# Tow Broadcast Spreader Rev. 2-05

Key #	Part #	Description	Key #	Part #	Description
1	40002	Screen	18	12109	Impeller
2	60332	Hopper Assembly, Includes Key #4 & 5	19	N/A	1/8" X 1 1/4" Cotter Pin
3	33117	Agitator	21	60298	Gauge & Lever Assembly
4	12220	Hopper Bushing	22	42263	Control Rod
5	12317	Shut Off Plate	25	N/A	1/4-20 Nut
6	44251	Pivot Rod	28	60331	Gear Box & Axle Assembly
7	60300	Pivot & Bracket Assembly	29	N/A	3/16" X 2" Cotter Pin
8	N/A	1/4-20 X 1 3/4" Bolt	30	70138	Drive Wheel/Coast Wheel
9	25207	Lower Handle	32	N/A	3/16" X 1" Cotter Pin
10	22601	Upper Cross Brace w/Hole	33	12148	Axle Bearing
11	N/A	1/4-20 Nylon Insert Locknut	34	12152	Axle Bushing
12	25108	Frame	35	19113	1" Hole Plug
13	N/A	#14 X 1 1/2" Flat Head Screw	36	44215	Hitch Plate
14	24704	Cross Brace	37	25603	Control Support
15	44249	Frame Brace	39	77001	Optional Heavy Duty Rain Cover
16	N/A	1/4-20 X 1 1/2" Bolt		38076	Hardware Package
17	N/A	1/4-20 X 2 1/4" Bolt		77051	Hitch Extension Kit