

**PLEASE:**

CALL US IF YOU HAVE DIFFICULTY BEFORE YOU RETURN ONE OF OUR PRODUCTS TO THE STORE, ONCE A PRODUCT IS RETURNED IT CANNOT BE RESOLD. THE MATERIALS AND ENERGY USED TO MAKE IT ARE WASTED.

PHONE: 219-848-7491

FAX: 219-848-4249

PARTS HOT LINE

TOLL FREE 1-800-678-0671

**ASSEMBLY INSTRUCTIONS for EarthWay Ev-N-Spred®****MODEL**

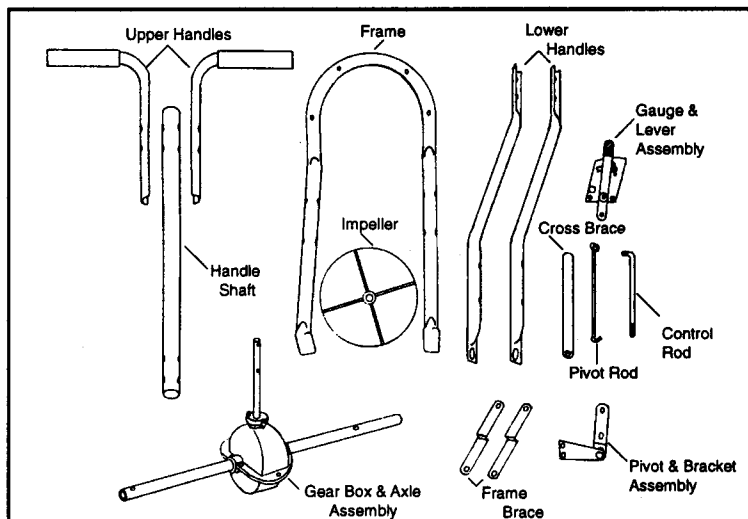
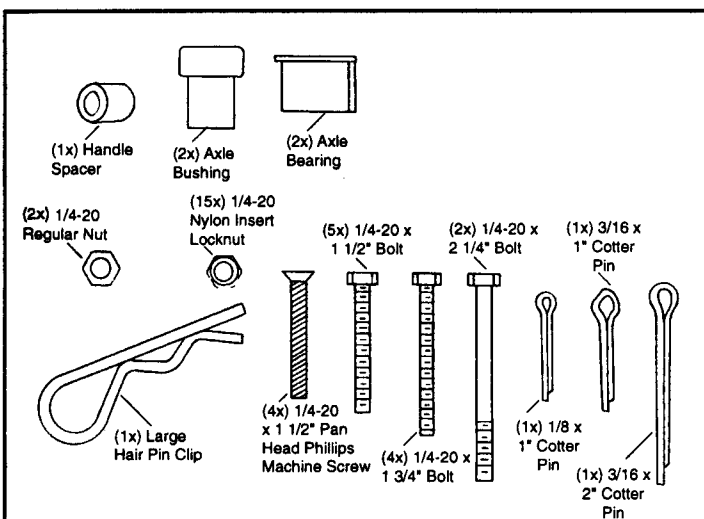
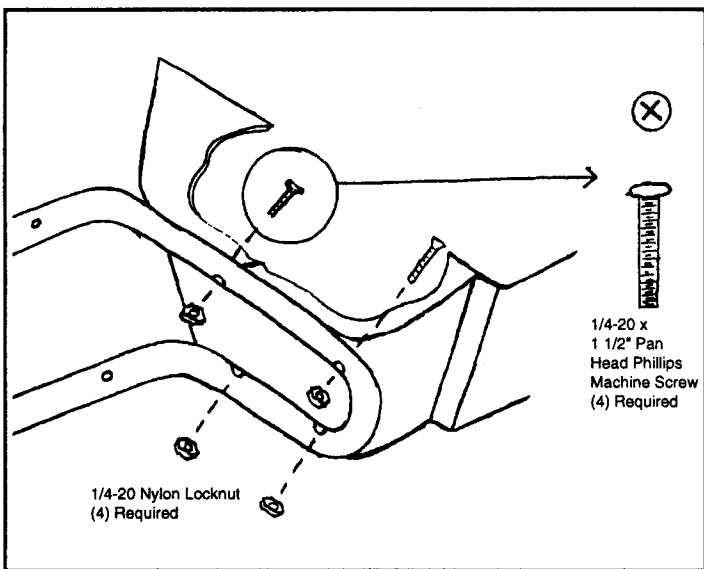
2170

Broadcast Spreader

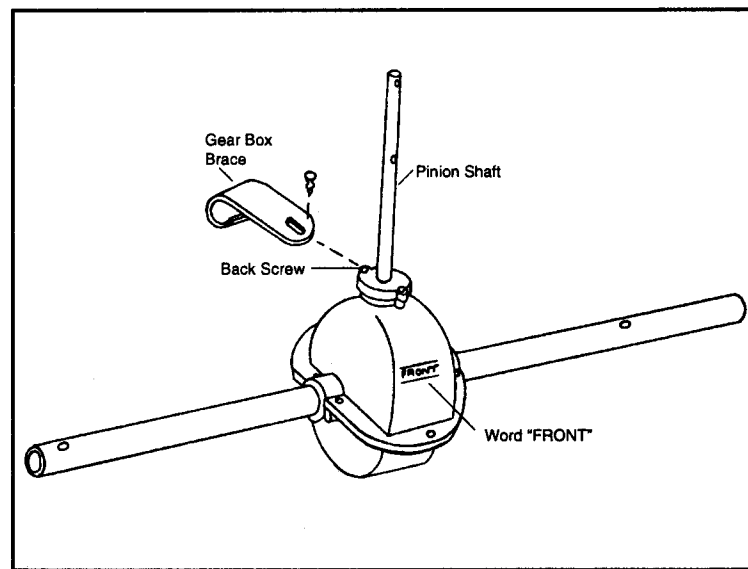
**1 HELPFUL HINTS:**

READ THE DIRECTIONS BEFORE ASSEMBLY  
WHEN ALL ELSE FAILS, READ THE DIRECTIONS AGAIN.

- If your spreader does not spread evenly, be sure the FRONT on the gear box points to the front of the spreader. The impeller must turn clockwise. Reversing the gear box 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 gear box or dirt may enter.

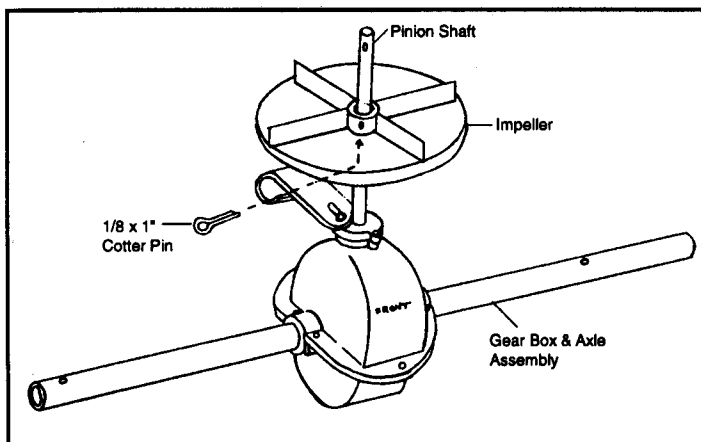
**2 Remove and identify loose parts from carton and bag.**

- 3** Position hopper on side. Install frame using (4) 1/4-20 x 1 1/2" pan head Phillips machine screws and (4) 1/4-20 nylon locknuts. First put bolts through holes inside hoppers bottom, then through holes in frame. Secure with locknuts. Tighten these locknuts now.

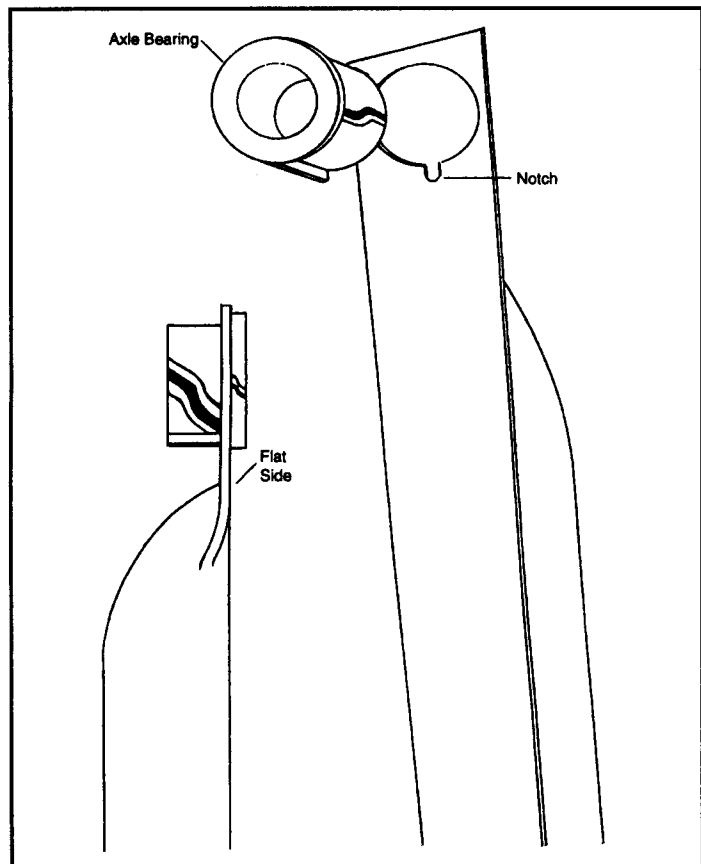


- 4** Remove screw from back side of gear box assembly and install gear box brace as shown. **NOTE:** Gear box brace should be in line with pinion shaft.

**CAUTION: DO NOT OVERTIGHTEN SCREW.**

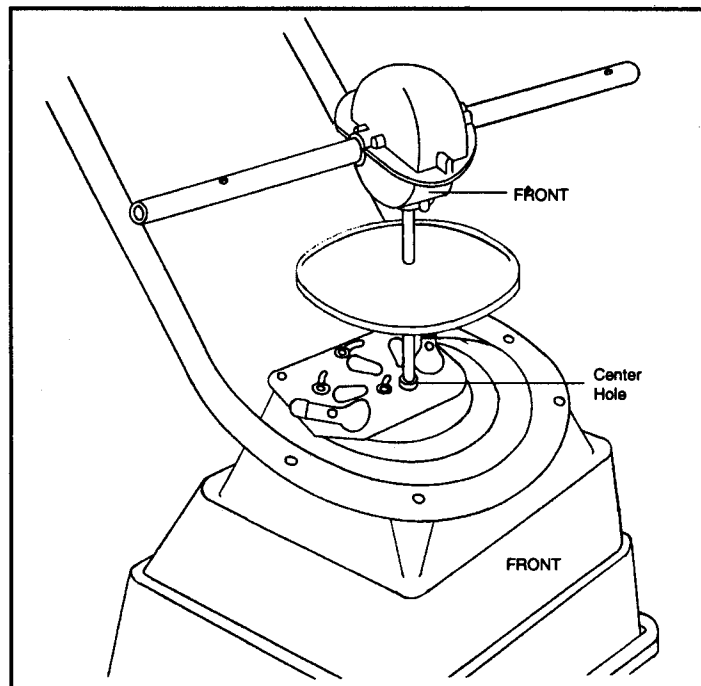


- 5** Install impeller onto pinion shaft. Insert 1/8" x 1" cotter pin through impeller then through pinion shaft. Use hole nearest gear box. Spread cotter pin to prevent from falling out.

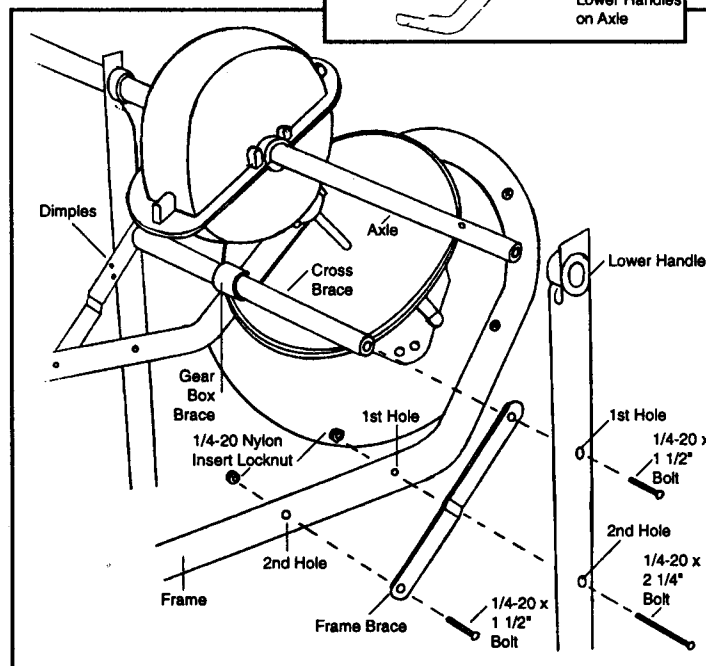
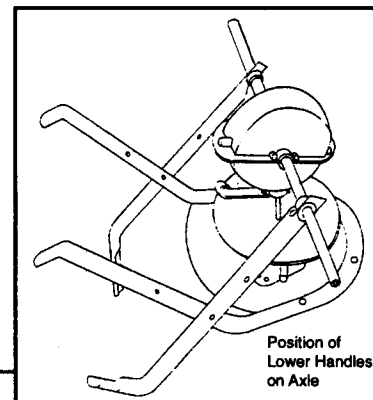


- 7** Install axle bearings to both lower handles.  
NOTE: Notch on bearings and lower handles. Bearings must go through flat side of lower handle.

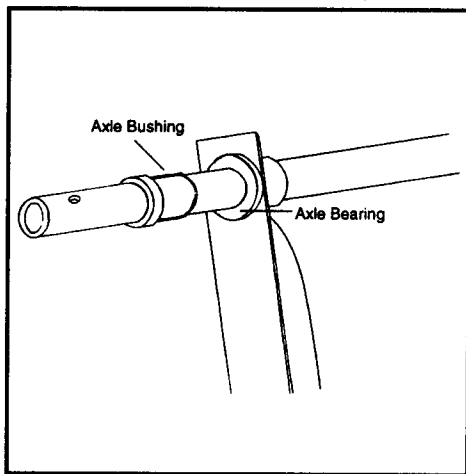
- 8** **A** - Install lower handles onto axle to both sides as shown. Now insert 1 1/2" bolt through first hole in lower handle. Then through frame brace. **NOTE:** Dimples on frame brace must be facing toward gear box as shown. Next into threaded connector in cross brace. **DO NOT TIGHTEN YET.**  
**B**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



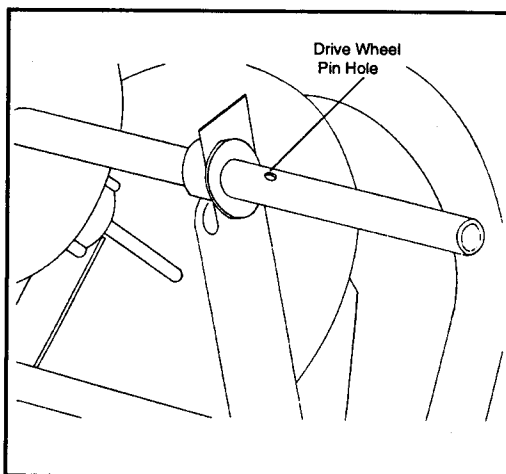
- 6** Install gear box by inserting the pinion shaft into hole in center of hoppers bottom.  
**THE WORD "FRONT" ON GEAR BOX MUST POINT TO FRONT OF HOPPER.**  
Follow label instructions on hopper.



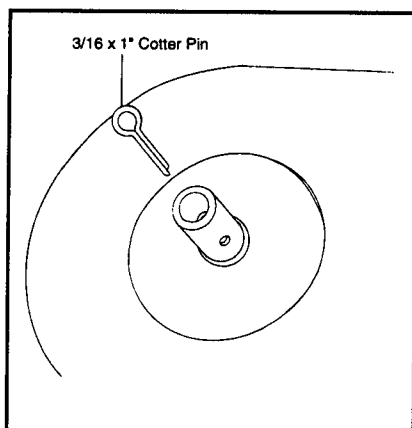
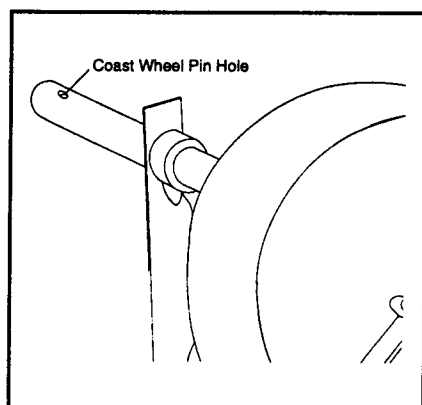
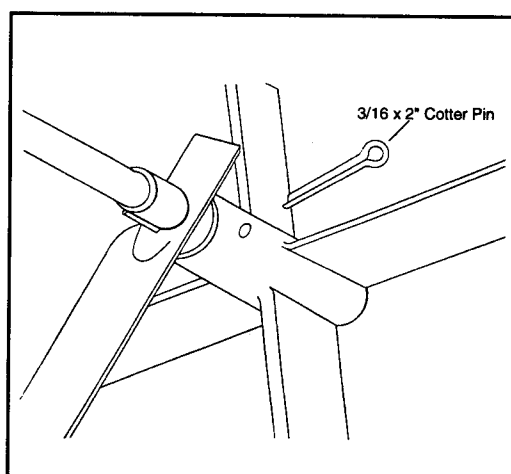
**NOW GO BACK AND TIGHTEN ALL NUTS AND BOLTS STARTING WITH FIRST STEP. DO NOT OVER TIGHTEN.**



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

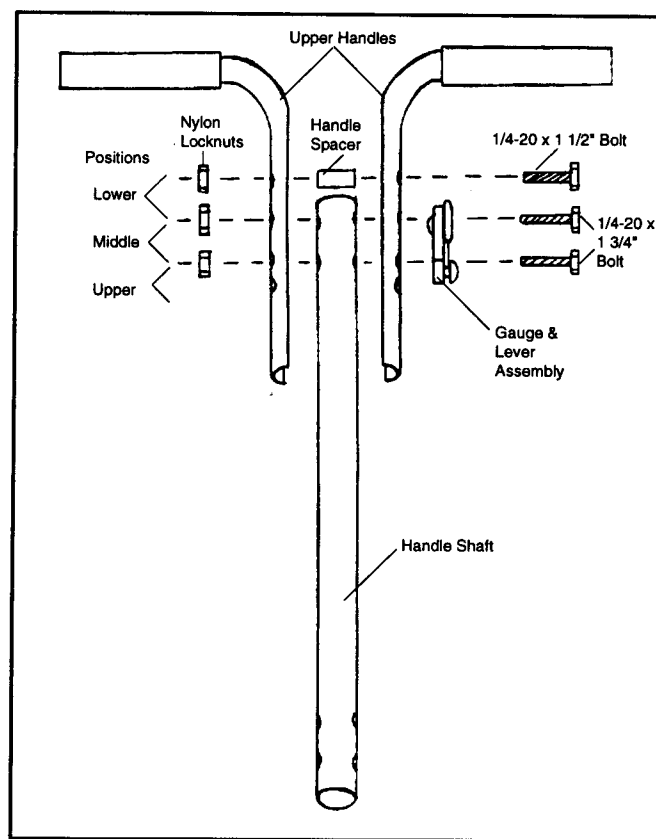
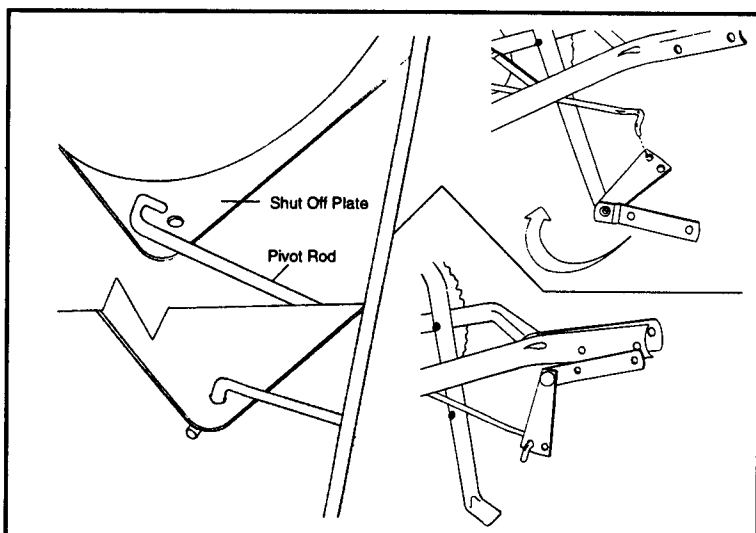


**10** Install drive wheel to axle using pin hole nearest to lower handles as shown. Insert 2" cotter pin through wheel and through axle. Bend with pliers to prevent pin from falling out.  
**NOTE: DRIVE WHEEL HAS PIN HOLE. COAST WHEEL HAS NO HOLE.**



**11** Install coast wheel to axle using outside pin hole. As shown, insert 1" cotter pin through axle. Bend with pliers to prevent pin from falling out.

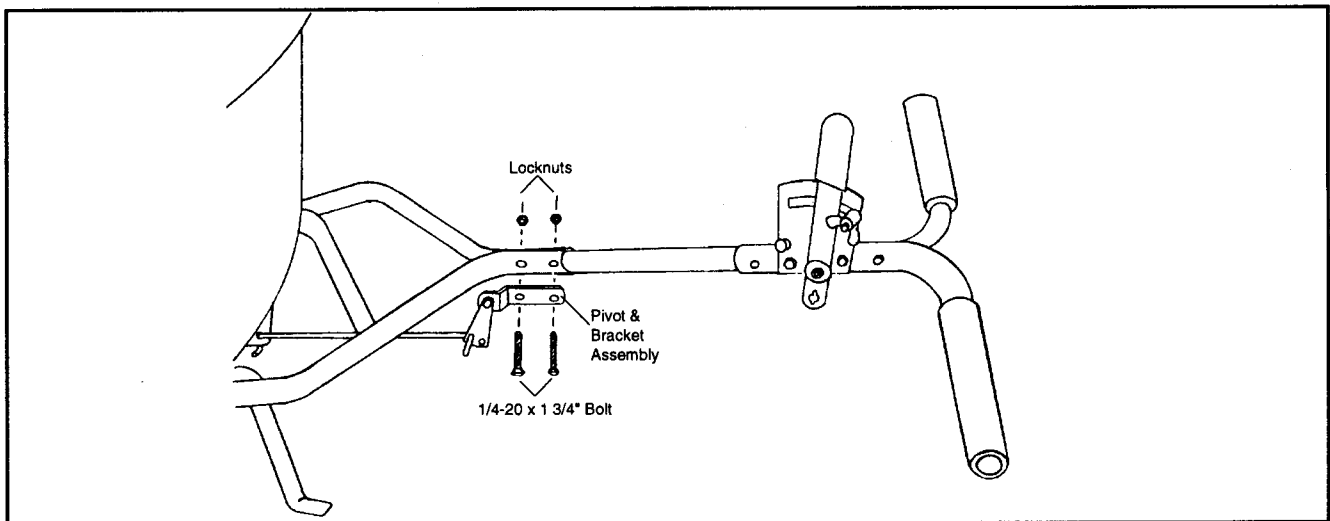
**TURN SPREADER UPRIGHT ON TO WHEEL.**



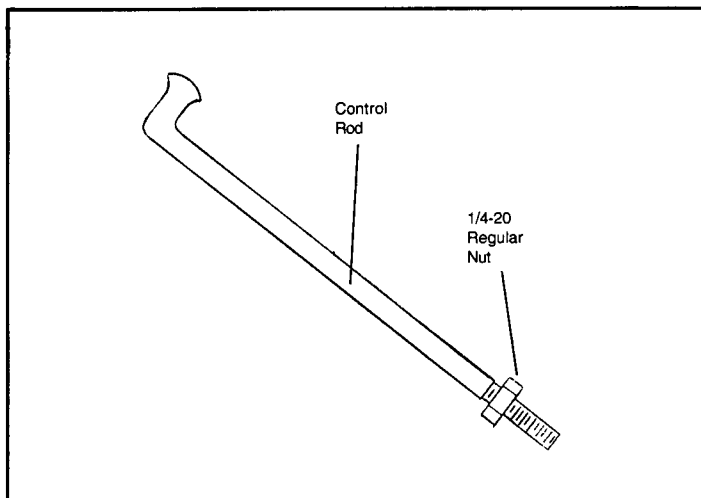
**12** **NOTE: BEFORE INSTALLING GAUGE AND UPPER HANDLES TO HANDLE SHAFT, UPPER HANDLES FEATURE THREE POSITIONS FOR OPERATOR'S COMFORT.** If operator chooses middle or upper positions, use handle spacer in hole nearest to handle grips. Insert 1 1/2" bolt through upper handle, then through handle spacer through other upper handle. **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.**

**13** Insert pivot rod in to shut off plate as shown. Turn to lock in place.

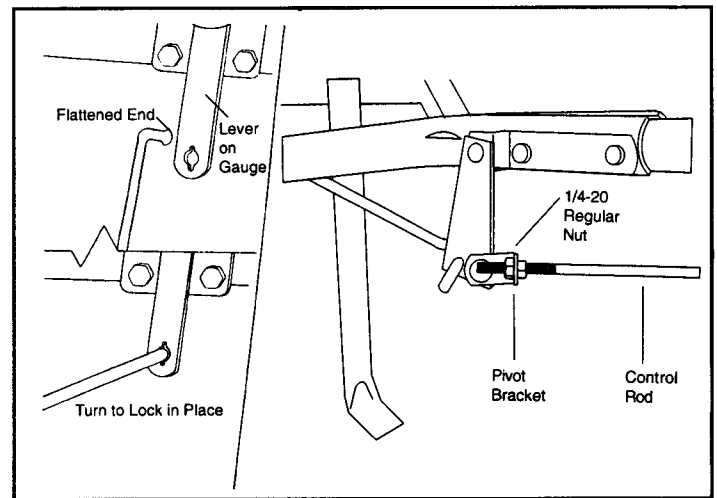
**14** Insert other end of pivot rod in to pivot and bracket assembly as shown. Turn to lock in place.



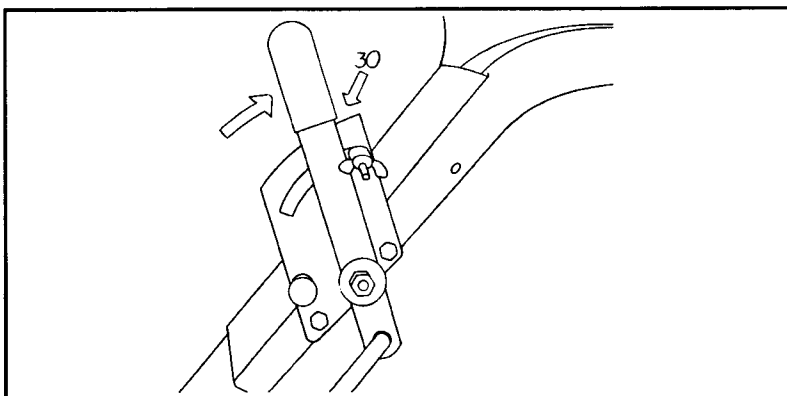
- 15** Install handle shaft to lower handles and pivot & bracket assembly as shown. Using (2) 1 3/4" bolts and (2) locknuts. Tighten bolts and nuts now.



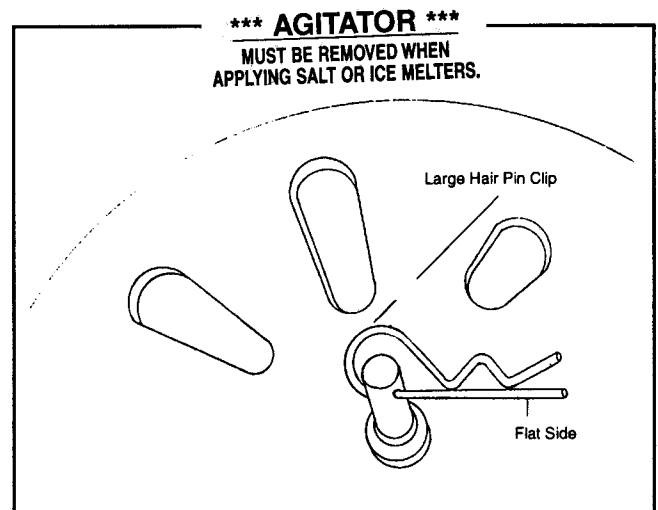
- 16** Install (1) 1/4-20 regular nut (not a locknut) on to control rod as shown.



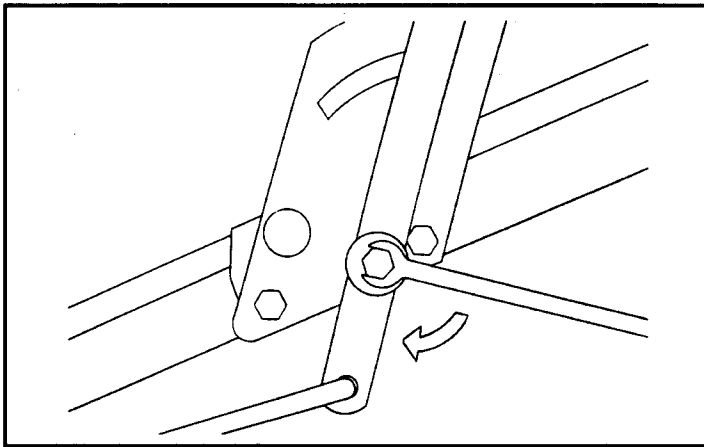
- 17** Install flattened end of control rod in to lever on gauge as shown. Turn to lock in place. Next push lever forward to setting "0". Align control rod up with hole in pivot bracket, pull lever backward to insert control rod through hole in pivot bracket. Now install 1/4-20 regular nut on to control rod. **DO NOT TIGHTEN NUTS YET.**



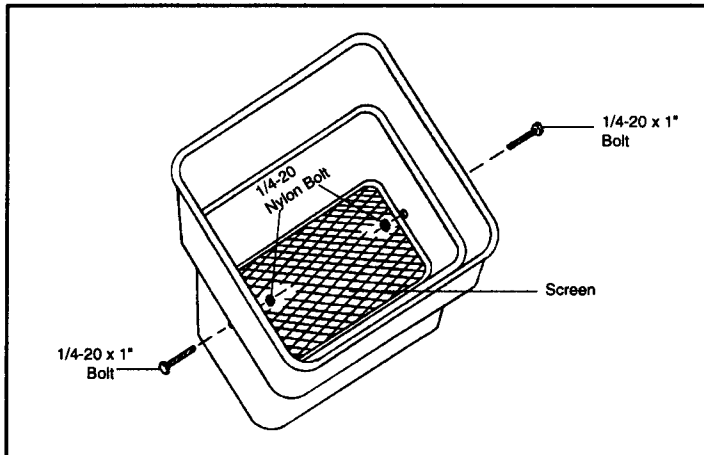
- 18** Pull lever back to setting "30" as shown. Next push pivot & bracket forward so that the shut off plate in the hopper is in the full open position. **REMEMBER SETTING "30" ON THE FLOW CONTROL LEVER MUST PLACE THE SHUT OFF PLATE IN THE FULL OPEN POSITION TO BE PROPERLY CALIBRATED.** Now tighten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



- 19** Insert large hair pin clip to pinion shaft on inside of hopper. **NOTE:** Position of flat side of hair pin clip. This pin should be installed as shown.



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



- 22** Install screen inside hopper. Fasten using (2) 1/4-20 x 1" bolts and (2) 1/4-20 nylon insert locknuts. Tighten now.

## 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 1-800-678-0671 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, but not labor charges.

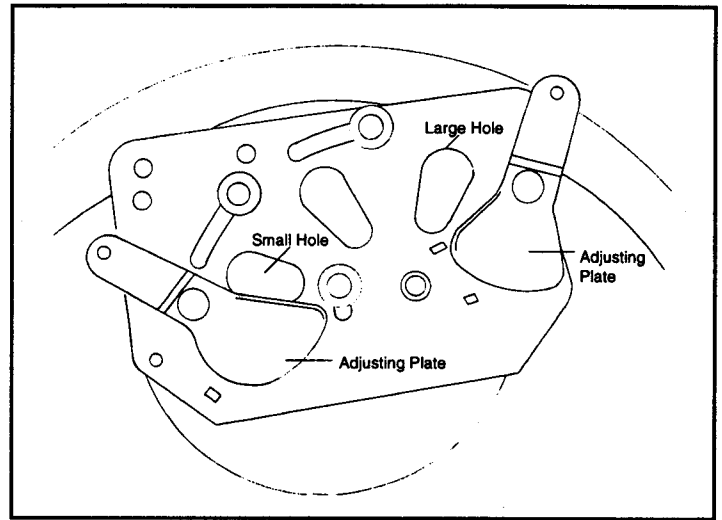
**DO NOT RETURN TO DEALER FOR REPAIR**

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

**FOR YOUR RECORDS**

\_\_\_\_\_  
Date Purchased

\_\_\_\_\_  
Store Name



- 21** For normal operation both plates should be full open. To reduce flow to the left side, partially or completely close the plate over the rear (large) hole. To reduce flow to the right side, partially or completely close the plate over the front (small) hole. Close both plates for a narrow center spread pattern.
- WARNING:** If the optional side deflector is being used in the down position, the plate over the rear (large) hole **MUST BE CLOSED** or an over application of material will occur.

The settings furnished on the Rate Setting Chart are intended as a guide only. Variations in physical characteristics of material applied, walking 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.

## OPERATING INSTRUCTIONS

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

1. Obtain proper setting for material to be used from the RATE SETTING CHART included with this spreader.
2. Move stop bolt on rate gauge assembly to the proper setting.
3. While pushing spreader forward, pull control lever back to stop bolt.
4. To stop, push lever forward to close flow holes before you stop moving.
5. When finished, empty any remaining material from hopper.
6. Thoroughly wash spreader and allow to dry before storing. No oiling is necessary.

## HOW TO ORDER SPARE PARTS

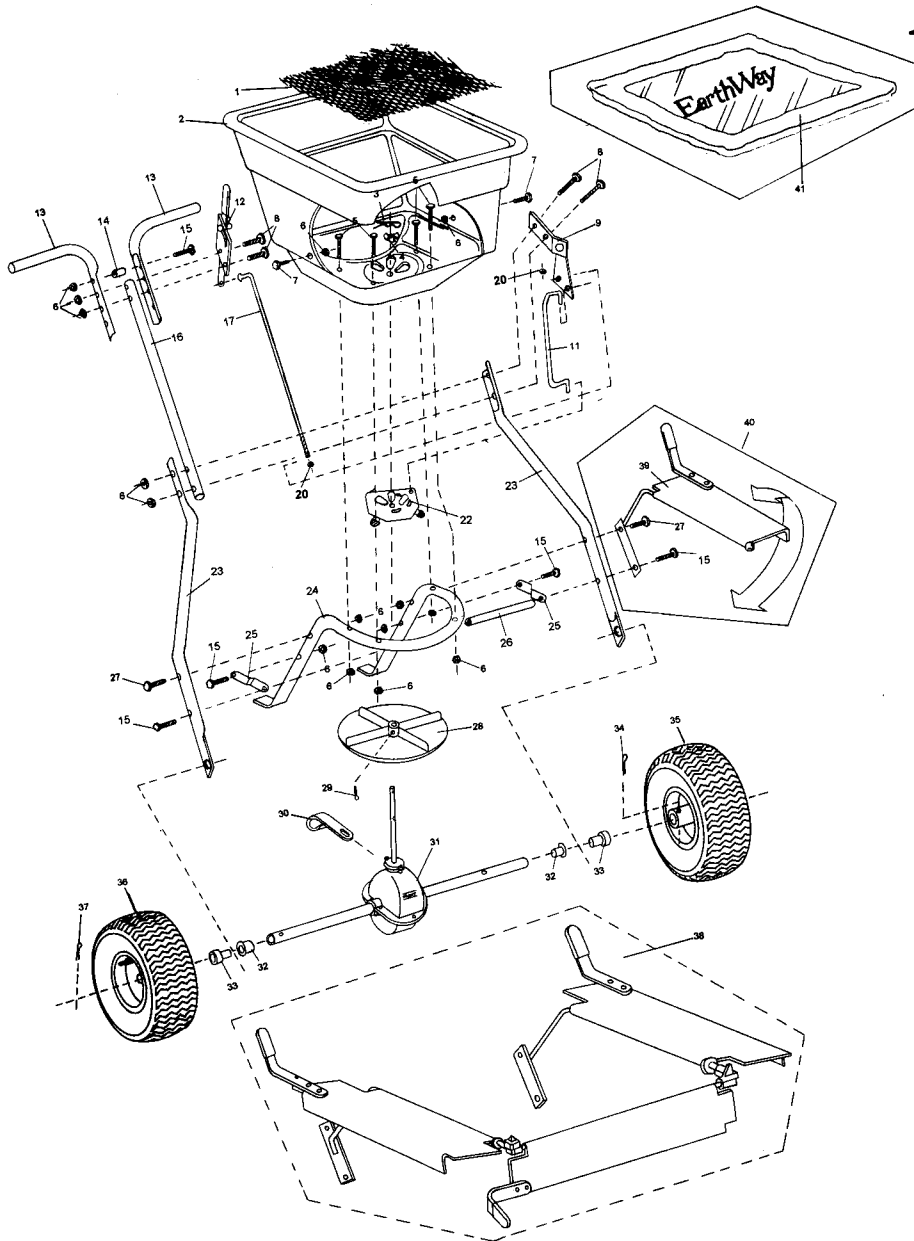
All spare parts listed herein may be ordered direct from the manufacturer, **EARTHWAY PRODUCTS, INC.**, Be sure to give the following information when ordering:

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

Call (219) 848-7491 or write for current prices.

# EarthWay™ Products, Inc.

P.O. Box 547, Bristol, IN 46507  
(219) 848-7491



## PARTS AND DESCRIPTIONS FOR MODEL 2170

Key #	Part #	Description
1	40003	Screen
2	60219	Hopper Includes Key: #4 & 22
3	33110	Large Hair Pin Clip
4	12209	Hopper Bushing
5	36214	1/4-20 x 1 1/2" Pan Head Phillips Screw
6	32103	1/4-20 Nylon Insert Locknut
7	36210	1/4-20 x 1" Bolt
8	31114	1/4-20 x 1 3/4" Bolt
9	60300	Pivot & Bracket Assembly
11	44251	Pivot Rod
12	60298	Gauge & Lever Assembly
13	60146	Upper Handle
14	23609	Handle Spacer
15	31100	1/4-20 x 1 1/2" Bolt
16	25302	Handle Shaft
17	42256	Control Rod
20	32100	1/4-20 Regular Hex Nut
22	60123	Shut Off Plate
23	25207	Lower Handle

Key #	Part #	Description
24	25106	Frame
25	44249	Frame Brace
26	22603	Cross Brace
27	31106	1/4-20 x 2 1/4" Bolt
28	12109	Impeller
29	36100	1/8" x 1" Cotter Pin
30	41273	Gear Box Brace
31	60216	Gear Box & Axle Assembly
32	12148	Axle Bearing
33	12152	Axle Bushing
34	33109	3/16" x 2" Cotter Pin
35	70138	Drive Wheel
36	70139	Coast Wheel
37	33108	3/16" x 1" Cotter Pin
38	60166	(Optional) Salt Deflector Kit
39	60063	(Optional) Side Deflector
40	60060	(Optional) Side Deflector
41	77002	Cover Includes Key: #39 & 41 (Optional) Heavy Duty Rain Cover