

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

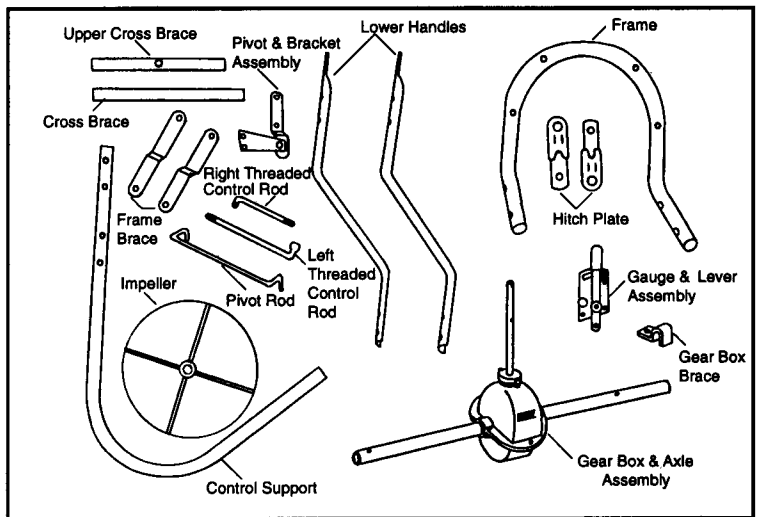
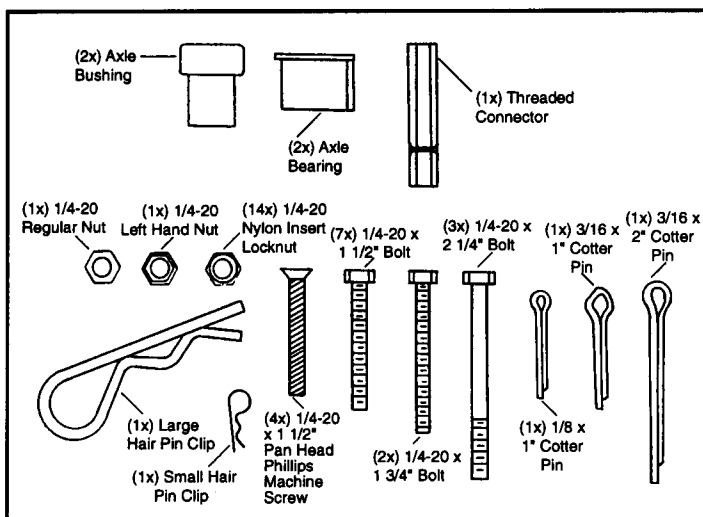
2170T

Broadcast Spreader

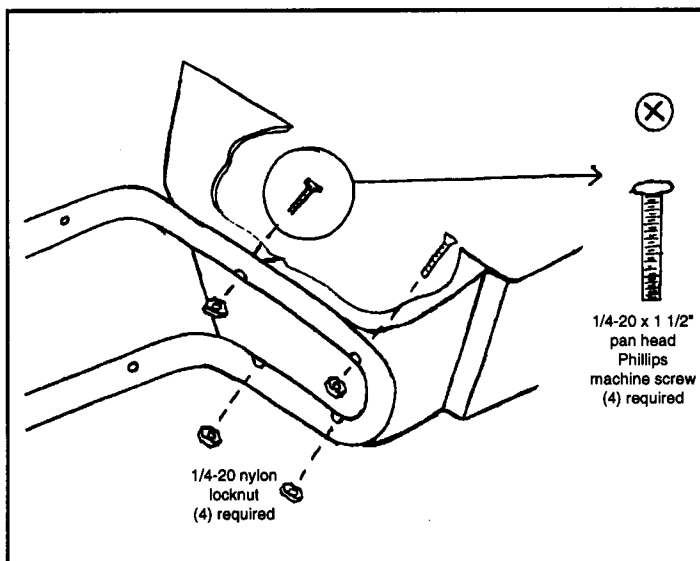
1 HELPFUL HINTS:

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

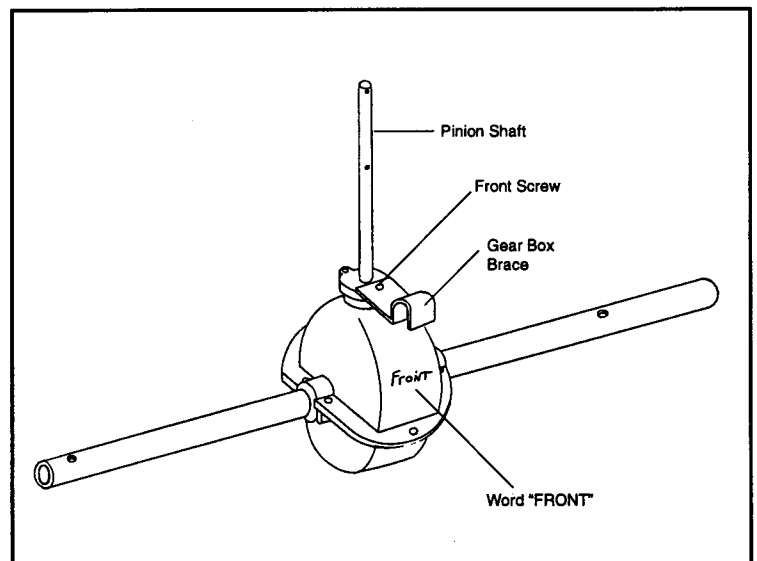
- If your spreader does not spread evenly, be sure the FRONT on the gear box points to the front of the spreader. The impellor must turn clockwise. Reversing the gear box will cause the impellor to turn counter clockwise. Clean the impellor plate after each use. Fertilizer stuck on the impellor blades will cause uneven spreading.
- Your spreader is designed to be pulled 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.

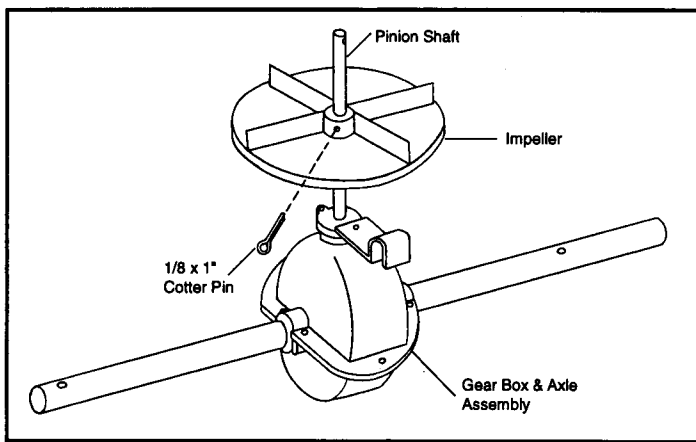


3 Position hopper on side. Install frame using (4) 1/4-20 x 1 1/2" pan head Phillips machine screws and (4) 1/4-20 nylon locknuts. First put bolts through holes inside hopper's bottom, then through holes in frame. Secure with locknuts. Tighten these locknuts now.

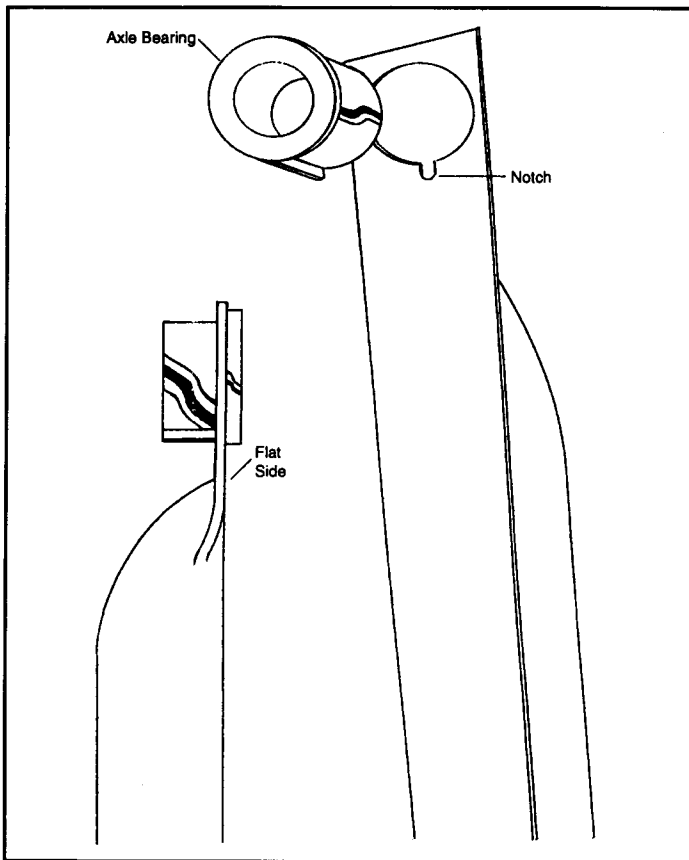


4 Remove screw from front side of gear box assembly and install gear box brace as shown. NOTE: Gear box brace should be in line with pinion shaft.

CAUTION: DO NOT OVER TIGHTEN 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 - STUDY ILLUSTRATION CAREFULLY.** Install lower handles on to axle. Insert 1/4-20 x 2 1/4" bolt through 2nd hole in lower handles then through 1st hole in frame. Install 1/4-20 locknut to both sides as shown.

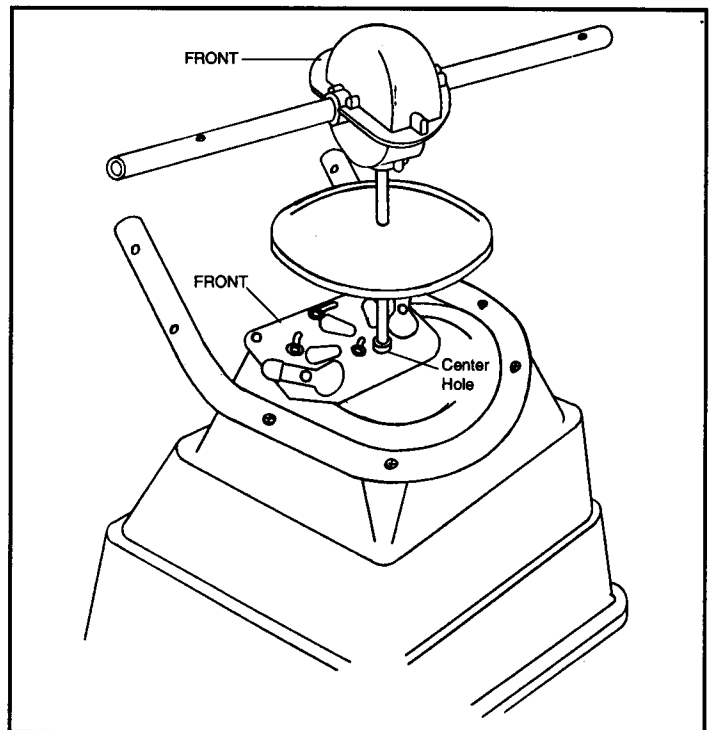
DO NOT TIGHTEN BOLTS AND NUTS YET.

B - Insert 1/4-20 x 1 1/2" bolt through 1st hole in lower handles both sides then through frame brace. **NOTE:** Dimples on frame brace must be facing toward gear box as shown. Next into threaded connector in cross brace. Use cross brace with no hole.

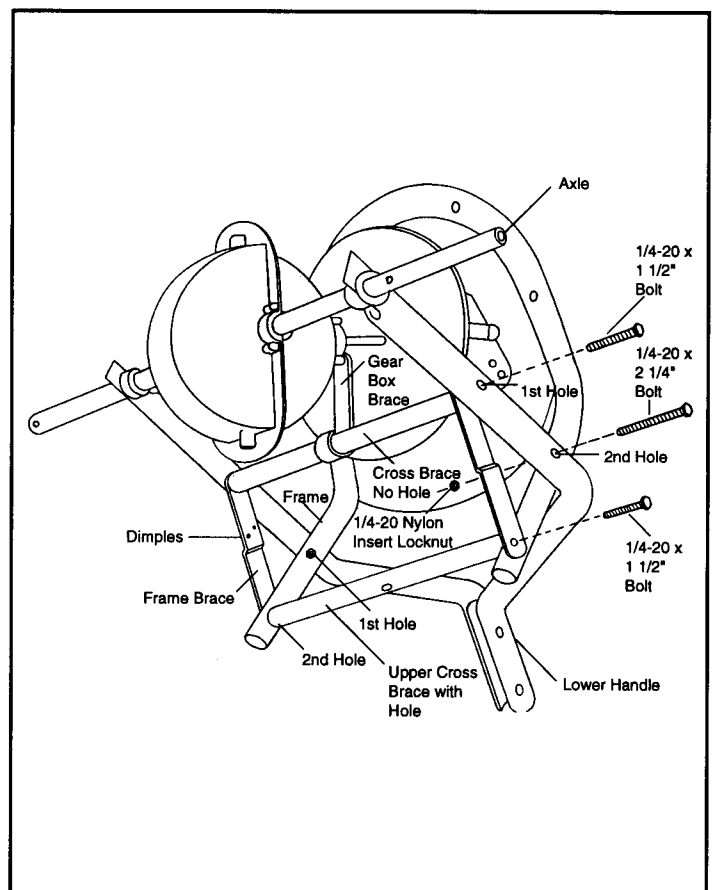
DO NOT TIGHTEN BOLTS YET.

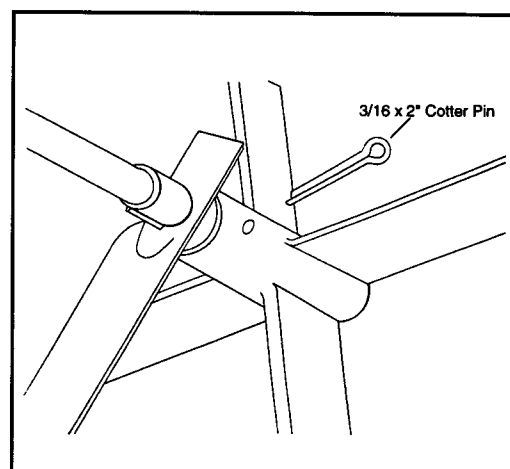
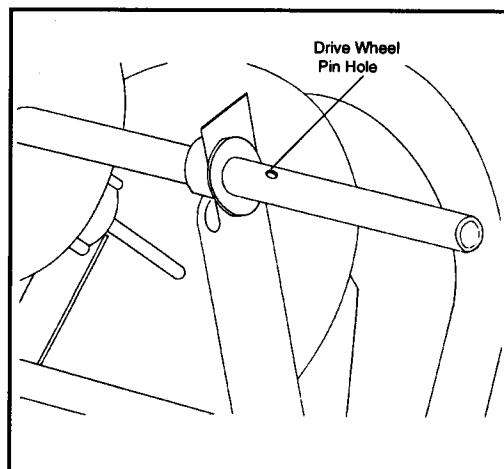
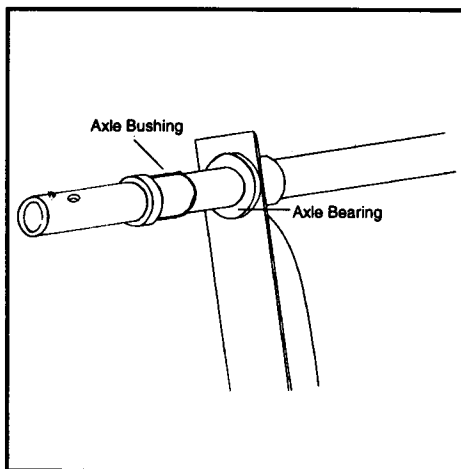
C - Next insert 1/4-20 x 1 1/2" bolt through other end of frame brace and through 2nd hole in frame into threaded connector in cross brace with hole to both sides.

DO NOT TIGHTEN BOLTS YET.



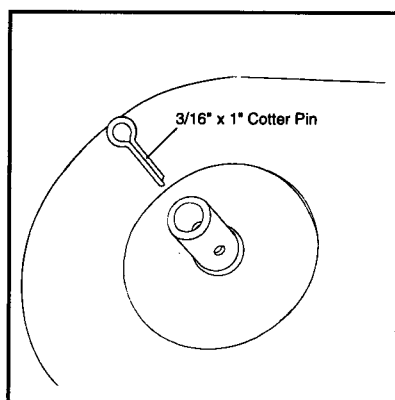
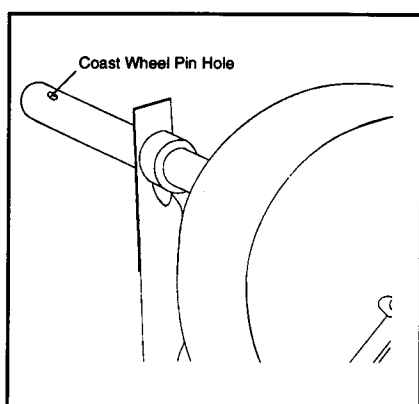
- 6** Install gear box by inserting the pinion shaft into hole in center of hoppers bottom.
THE WORD "FRONT" ON GEAR BOX MUST POINT TO FRONT OF HOPPER.
Follow label instructions on hopper.





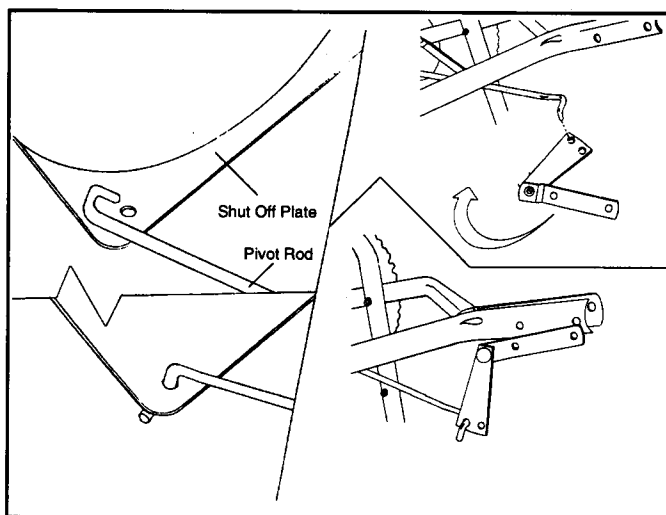
9 Slide axle bushing over axle and into axle bearing to both sides as shown.

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.



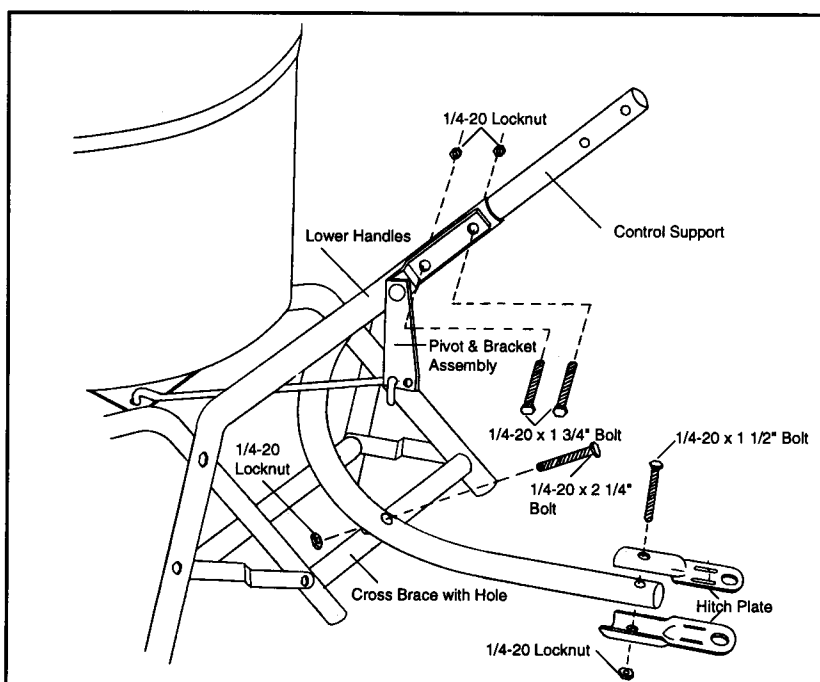
11 Install coast wheel to axle using outside pin hole. As shown, insert 1" cotter pin through axle. Bend with pliers to prevent pin from falling out.

TURN SPREADER UPRIGHT ON TO WHEEL.



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

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



STUDY ILLUSTRATION CAREFULLY

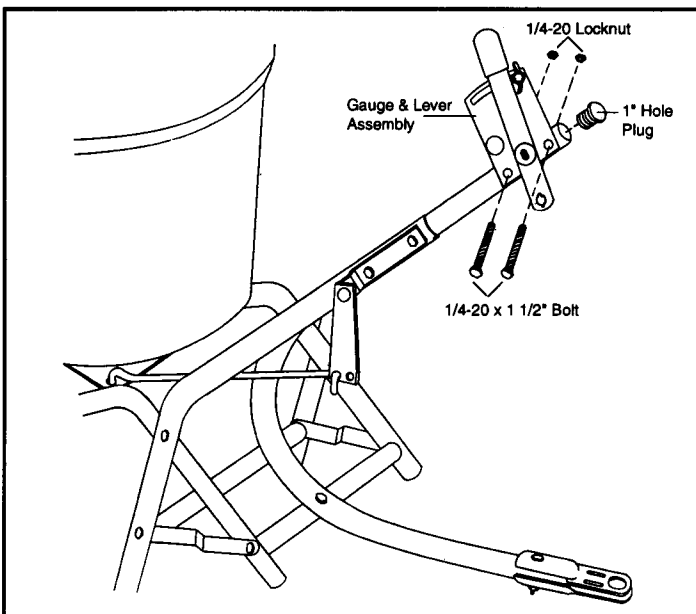
14 A - Install control support between lower handles as shown. Line up hole in cross brace with hole in control support. Insert 1/4-20 x 2 1/4" bolt through control support and through hole in cross brace. Apply 1/4-20 locknut.

DO NOT TIGHTEN YET.

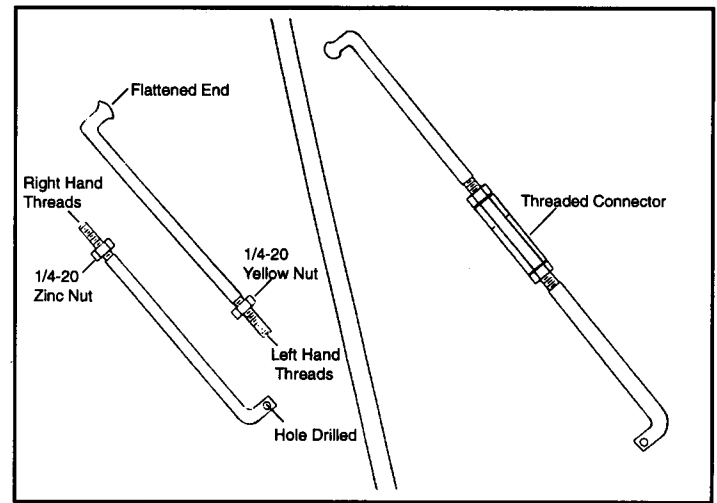
B - Attach pivot and bracket assembly to lower handles using (2) 1/4-20 x 1 3/4" bolts and (2) 1/4-20 locknuts.

NOW GO BACK AND TIGHTEN ALL NUTS AND BOLTS.

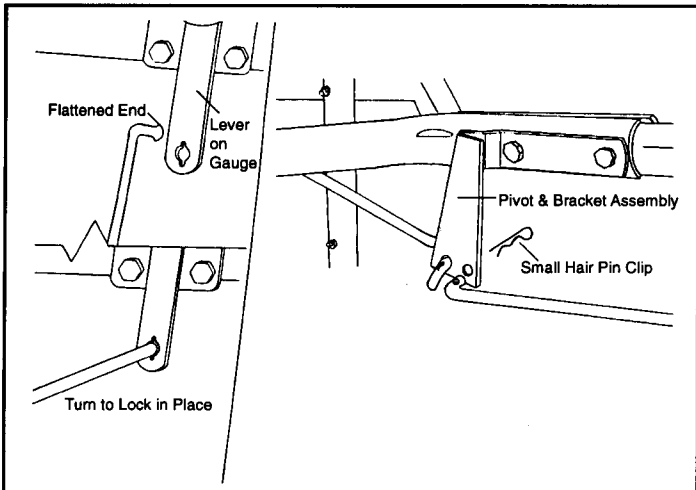
C - Fasten hitch plates to control support as shown using (1) 1/4-20 x 1 1/2" bolt and locknut.
TIGHTEN NOW.



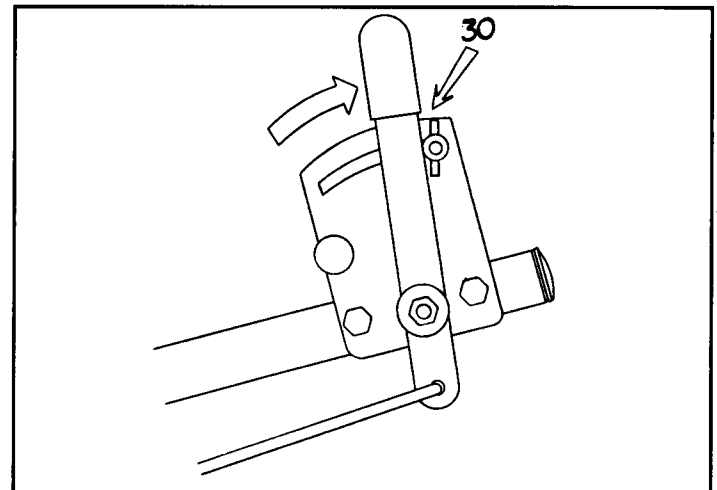
- 15** Attach gauge and lever assembly to control support using (2) 1/4-20 x 1 1/2" bolts and (2) 1/4-20 locknuts. **TIGHTEN NOW.**
Now tap with hammer 1" hole plug in to control support.



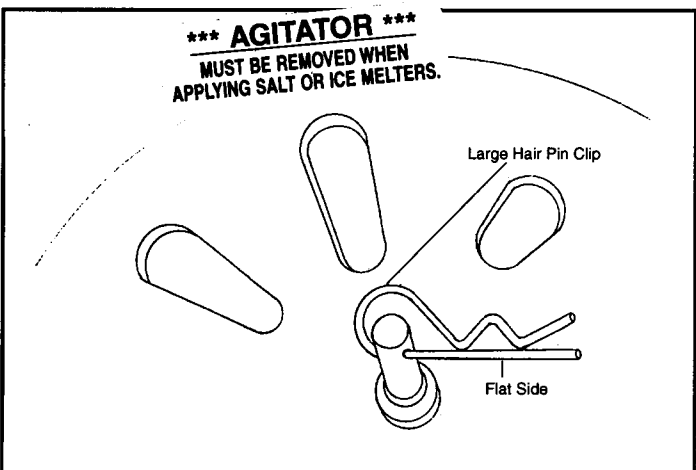
- 16** Install the 1/4-20 yellow left hand threaded nut onto the control rod with the flattened end. Install the 1/4-20 regular zinc plated nut (not a locknut) on the right threaded control. (Rod with drill hole).
17 Now connect the two threaded control rods together using the 2" threaded connector. **DO NOT TIGHTEN YET.**



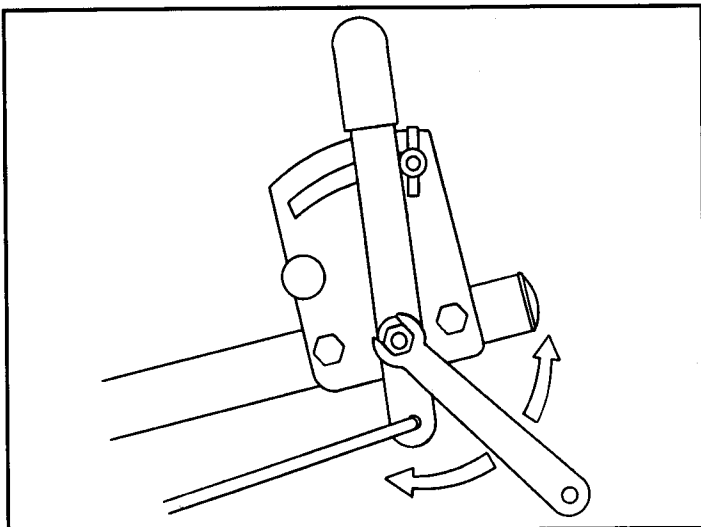
- 18** Install flattened end of control rod in to lever on gauge as shown. Turn to lock in place. Next insert round end of control rod in to pivot and bracket assembly. Secure in place using the small hair pin clip.



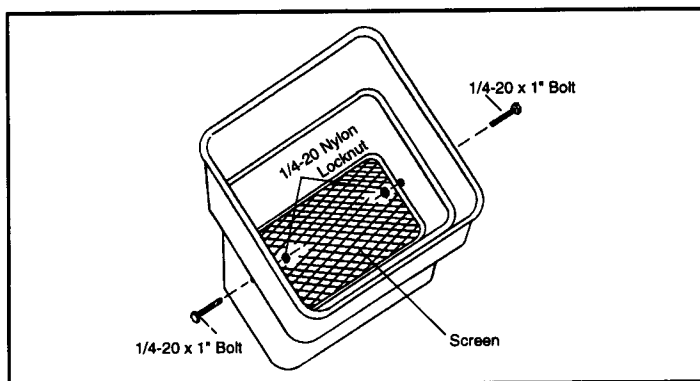
- 19** To calibrate the flow settings, put the flow control lever at setting 30. Adjust the length of the upper control rod by turning the threaded connector so that the shut off plate in the hopper is in the full open position. **REMEMBER** – Setting 30 on the flow control lever must place the shut off plate in the full open position to be properly calibrated. **NOW** tighten the nuts against the threaded connector to prevent a change in calibration.



- 20** 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.



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



- 23** 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.

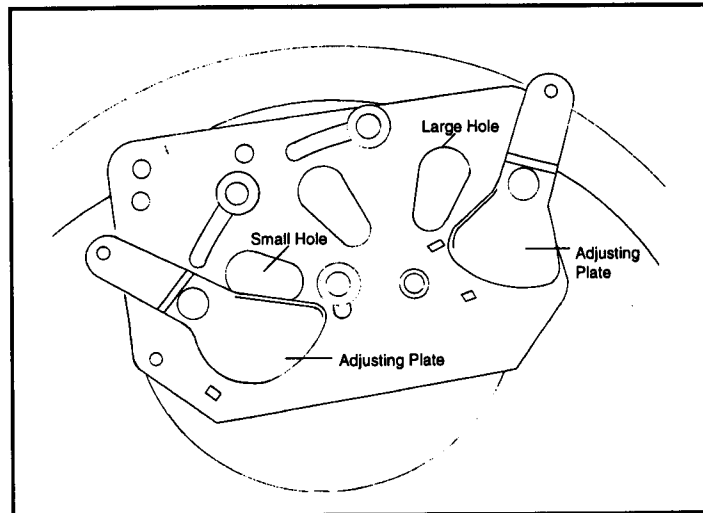
DO NOT RETURN TO DEALER FOR REPAIR

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

FOR YOUR RECORDS

Date Purchased

Store Name



- 22** 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

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 pulling spreader forward, pull control lever back to stop bolt.
4. To stop, pull lever backward 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

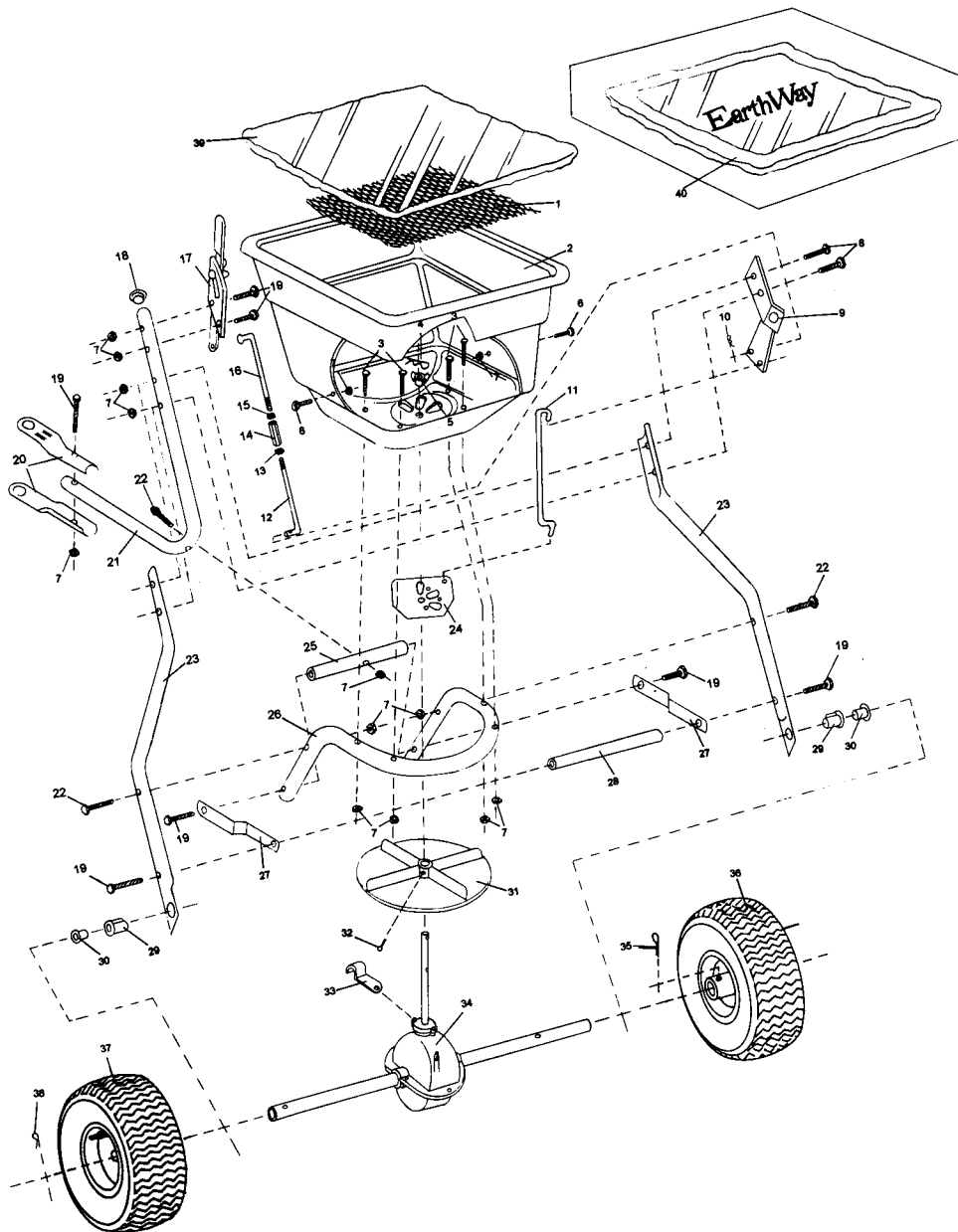
All spare parts listed herein may be ordered direct from the manufacturer, **EARTHWAY PRODUCTS, INC.** Be sure to give the following information when ordering:

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 DESCRIPTION FOR 2170T

Key #	Part #	Description
1	40003	Screen
2	60219	Hopper Includes Key: 5 & 24
3	36214	1/4-20 x 1 1/2" Pan Head Phillips Screw
4	33110	Large Hair Pin Clip
5	12209	Hopper Bushing
6	36210	1/4-20 x 1" Bolt
7	32103	1/4-20 Nylon Insert Locknut
8	31114	1/4-20 x 1 3/4" Bolt
9	60154	Pivot & Bracket Assembly
10	36101	Small Hair Pin Clip
11	44251	Pivot Rod
12	44255	Right Hand Threaded Control Rod
13	32100	1/4-20 Regular Hex Nut
14	41272	Threaded Connector
15	32114	1/4-20 Left Hand Hex Nut
16	44254	Left Hand Threaded Control Rod
17	60153	Gauge & Lever Assembly
18	19113	1" Hole Plug
19	31100	1/4-20 x 1 1/2" Bolt
20	44215	Hitch Plate

Key #	Part #	Description
21	25603	Control Support
22	31106	1/4-20 x 2 1/4" Bolt
23	25207	Lower Handle
24	60123	Shut Off Plate Assembly
25	22601	Upper Cross Brace (Hole)
26	25108	Frame
27	44249	Frame Brace
28	22607	Cross Brace (No Hole)
29	12148	Axle Bearing
30	12152	Axle Bushing
31	12109	Impeller
32	36100	1/8" x 1" Cotter Pin
33	41273	Gear Box Brace
34	60216	Gear Box & Axle Assembly
35	33109	3/16" x 2" Cotter Pin
36	70138	Drive Wheel
37	70139	Coast Wheel
38	33108	3/16" x 1" Cotter Pin
39	60061	(Optional) Standard Duty Rain Cover
40	77002	(Optional) Heavy Duty Rain Cover