EARTHWAY

FLEX-SELECT Series
Broadcast Spreader

MODEL # F80 — ASSEMBLY INSTRUCTIONS

Visit our EarthWay website to see the assembly video

SPREADER RATE SETTINGS

LBS PER 1000 SQUARE FEET	GRASS SEED	FERTILIZER SGN 240 (3/32")	SAND SGN 150 (1/16")
1 LB		9	7
2 LB	14	13	10
3 LB	16	16	13
4 LB	18	20	14
5 LB	20	22	16
8 LB		28	22

SIDE SPREAD CONTROL

SIDESPREAD CONTROL™

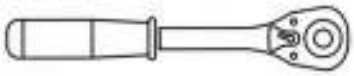
Patent U.S. 10,993,368

Your EarthWay spreader includes a patented feature to prevent fertilizer from being spread to the left side. Unlike competitor designs that waste the fertilizer, side spread control keeps unneeded fertilizer off sidewalks, driveways, and parking lots. Read **OPERATING INSTRUCTIONS** (Page 8) to activate this feature.

PRIOR TO ASSEMBLY, YOU WILL NEED:

7/16" Wrench

Ratchet



7/16" Socket Pliers

HELPFUL HINTS

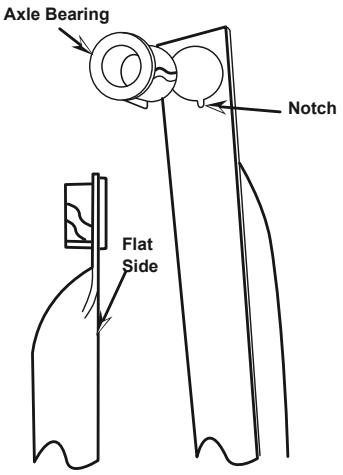
- ☑ Read the directions before assembly.
- ☑ If your spreader does not spread evenly, be sure "FRONT" on the GEARBOX points to the front of the spreader. **The impeller must turn clockwise when pushing forward**. Reversing the GEARBOX during assembly will cause issues.
- ☑ Your spreader is calibrated for three miles per hour, which is a brisk walking speed. Slower or faster speeds will change the spread pattern. Wet fertilizer will also change the spread pattern and flow rate. **Do not use powdered materials as it will damage the gearbox.**
- ☑ Gears are permanently lubricated at the factory. Do not open the GEARBOX or dirt may enter.

SPREADER ASSEMBLY INSTRUCTIONS

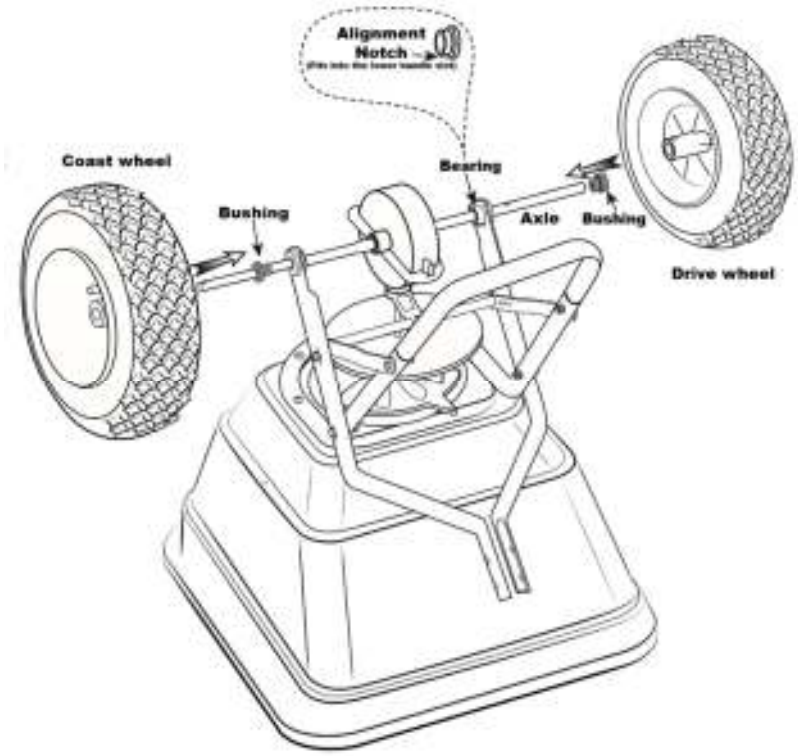
Step 1: Remove the spreader and parts from the carton and arrange on the floor.

Step 2: Install the bearing into the LOWER HANDLES. ***Note:*** Notch on BEARINGS and slot in the LOWER HANDLES that the bearing fits into. BEARINGS must go through flat side of LOWER HANDLE (from the outside to the inside).

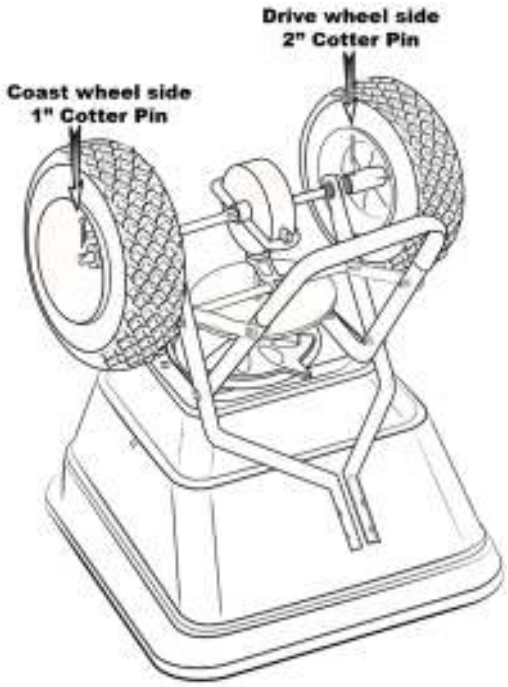
SLIDE AXLE BUSHING over AXLE and into AXLE BEARING to both sides as shown.



Step 3: Install DRIVE WHEEL onto the AXLE and align with the Cotter Pin hole nearest to the LOWER HANDLES as shown. Insert 2" Cotter Pin through WHEEL and through AXLE. Bend with pliers to prevent pin from falling out.



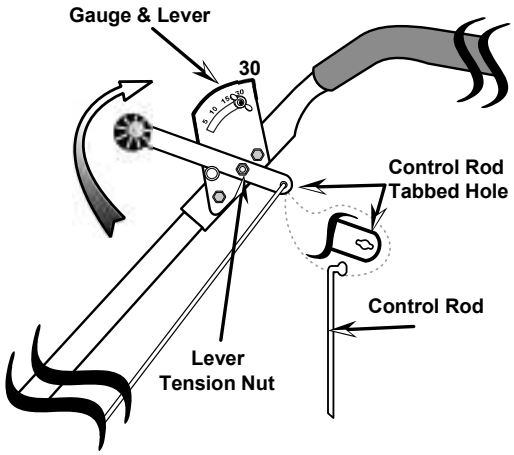
Step 4: Install COAST WHEEL onto the AXLE fully, then using outside Cotter Pin hole, insert 1” Cotter Pin through AXLE (not thru the wheel). Bend with pliers to prevent pin from falling out.



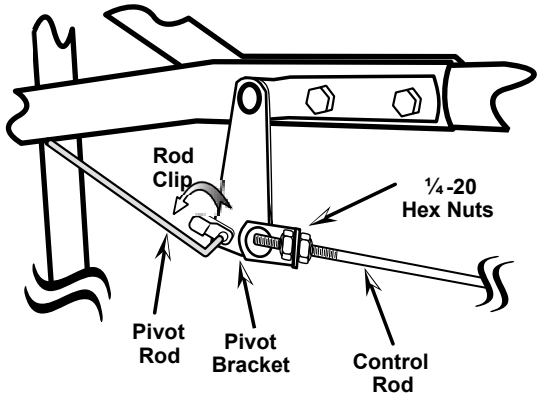
Step 5: Now remove the PIVOT BRACKET from THE LOWER HANDLES. Keep the 1/4 -20 x 2” bolts and locknuts for use in reinstallation**.**

Step 6: Install HANDLE SHAFT INTO LOWER HANDLES and then reattach the PIVOT BRACKET assembly as shown onto the LOWER HANDLES using two 1/4 -20 x 2” bolts and locknuts. **TIGHTEN BOLTS AND NUTS NOW.**

Step 7: Remove one 1/4-20 Hex Nut from the CONTROL ROD. Next, push LEVER forward to setting “0” to help align the 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.



Step 8: Insert the PIVOT ROD into the ROD CLIP that is installed in the PIVOT BRACKET. ***Note:*** Make sure to ensure that the ROD CLIP is installed as shown to the right.



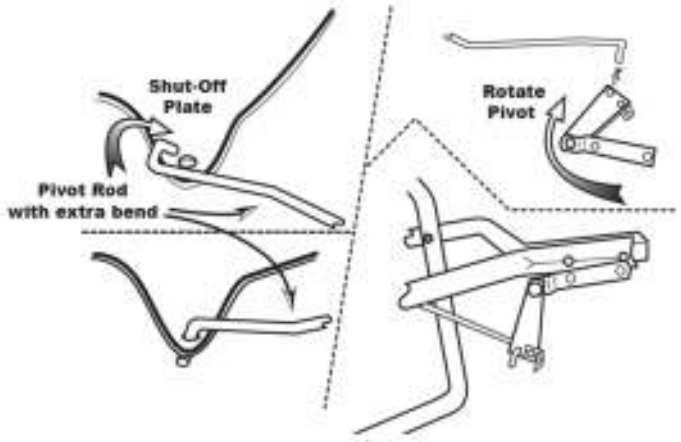
Step 9: **Note:** Before installing GAUGE and UPPER HANDLES to HANDLE SHAFT, UPPER HANDLES feature two positions for operator's comfort.

If operator chooses upper position, use HANDLE SPACER in hole nearest to HANDLE GRIPS.

Insert 2" bolt through UPPER HANDLE, then through HANDLE SPACER through other UPPER HANDLE and secure with locknut. **DO NOT TIGHTEN LOCKNUT YET. TIGHTEN THIS NUT LAST.**

Now slide the UPPER HANDLE assembly over the HANDLE SHAFT ***(on the end with the bolt holes closer to the end).*** Install GAUGE & LEVER using (2) 2" bolts. Be sure GAUGE is on left hand side. Tighten locknuts to GAUGE first.

TIGHTEN ALL HARDWARE NOW

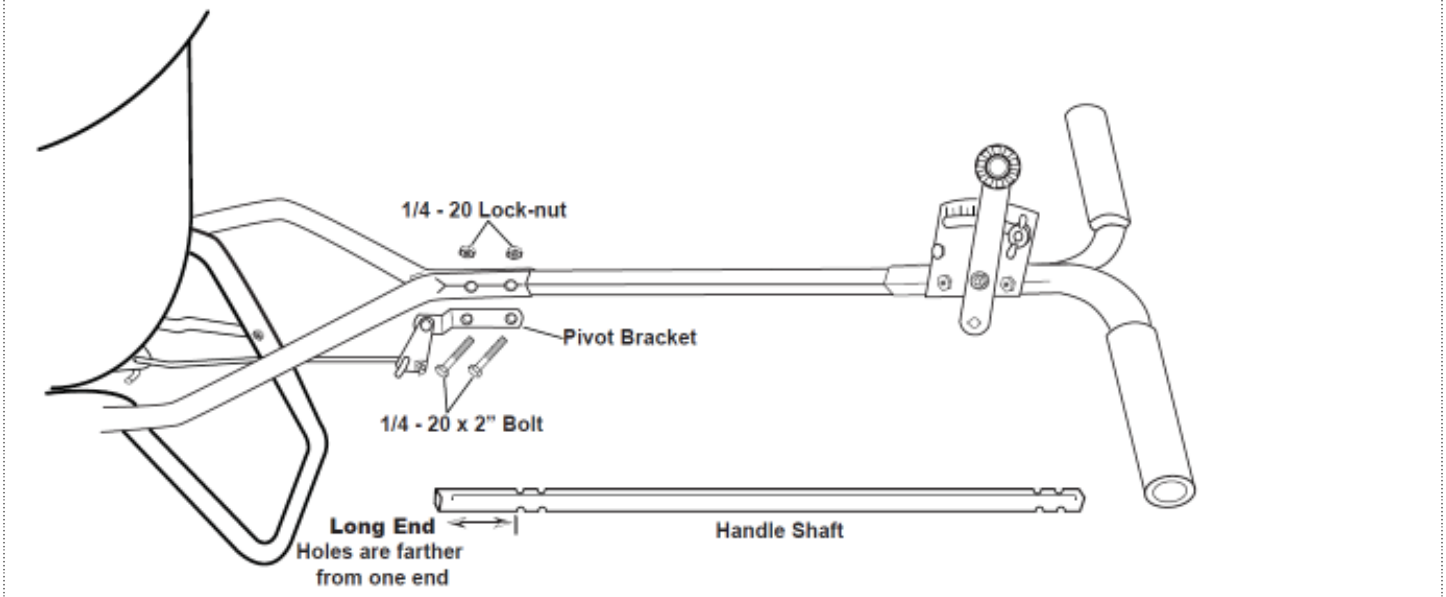


Step 10: Insert PIVOT ROD into SHUT-OFF PLATE as shown. Turn to lock in place.

Thighten ALL hardware then insert other end of PIVOT ROD into PIVOT AND BRACKET assembly as shown. Turn to lock in place.

Step 11: Tighten ALL hardware then insert other end of PIVOT ROD into PIVOT AND BRACKET assembly as shown. Turn to lock in place.

Step 12: Install HANDLE SHAFT to LOWER HANDLEs and PIVOT & BRACKET assembly as shown. Using 2" bolts and locknuts. **TIGHTEN BOLTS AND NUTS NOW.**



TO COMPLETE ASSEMBLY

Install AGITATOR, bend the AGITATOR up slightly to prevent contact with the STANDARD-OUTPUT tray, and install debris screen.

Press over 1/4 turn fasteners to secure

This only applies to the RED 3-hole drop STANDARD-OUTPUT Trays.

The HIGH-OUTPUT (Blue) and LOW-OUTPUT (Black) Trays do not use the AGITATOR or DEBRIS SCREEN shown below.

TRAY INSTALLATION

Step 1: Ensure the hopper is clean and there is no debris trapped around the tray mounting area.

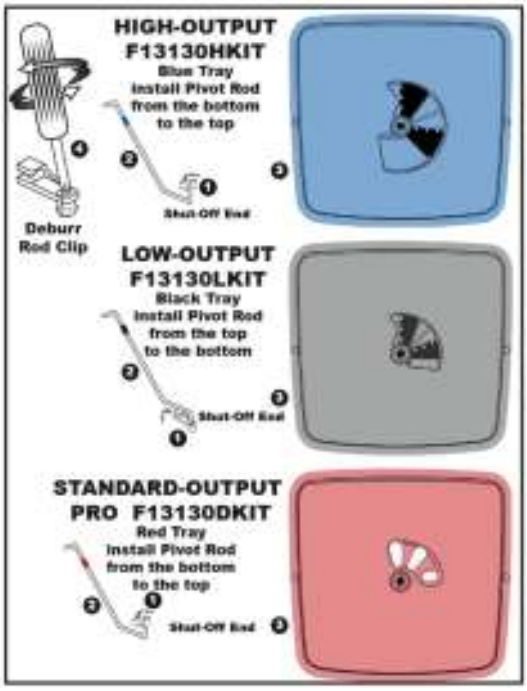
Step 2: Install the PIVOT ROD CLIP❶ into the Shut-off of the selected TRAY❸.

Step 3: Insert the PIVOT ROD❷ into the CLIP❶. ***TIP:*** The CLIP❶ may have a burr in the hole, use a Phillips screwdriver to remove the burr. See❹ to make installing the PIVOT ROD❷ easier. Pliers may be required to help squeeze the PIVOT ROD❷ into the CLIP❶.

Step 4: When the ROD❷ is secure inside the CLIP❶ push the free end of the CLIP❶ over the PIVOT ROD❷ to firmly secure the rod to the clip.

Step 5: Install the TRAY❸ from the top downwards into the hopper (see figure❺) positioning the center hole of the tray over the PINION SHAFT from the gear box with the PIVOT ROD through the bottom of the hopper and facing toward the spreader's handlebar. For ease of locating into position the shut-off of the chosen tray is best in the open position, with the exception of the red **STANDARD-OUTPUT** TRAY where the two adjustable throwing ports are best in the closed position.

NOTE: The gearbox can be moved along the axle to ease aligning of the tray hole and the PINION SHAFT.

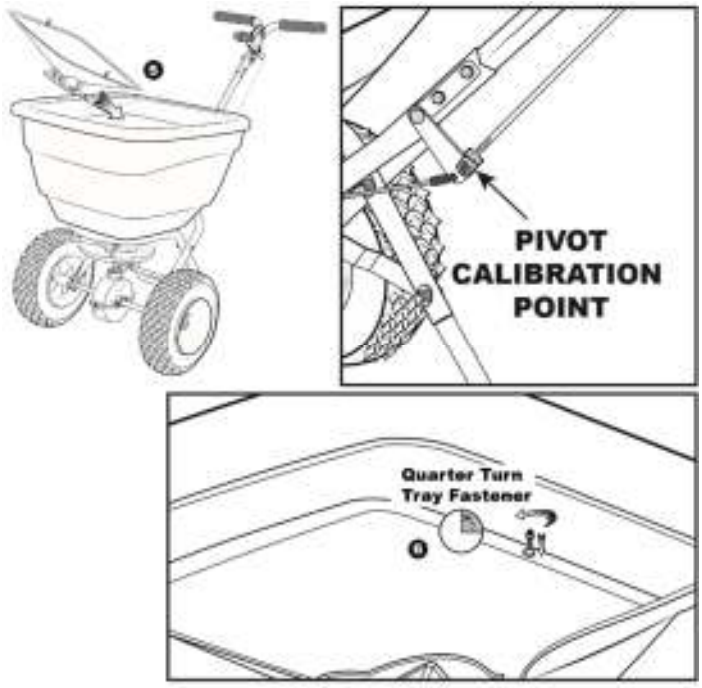


Step 6: Once the tray is in place check that the tray is sealed and flush against the hopper sides. To check if the tray is properly located, push the tray edges downwards.

Step 7: Install the two quarter turn fasteners (see figure❻) through the two exposed tray holes and push down and twist a quarter turn to secure.

Step 8: Lastly, connect the free end of the PIVOT ROD❷ into the PIVOT linkage at the bottom of the CONTROL ROD. Position the CLIP❶ into the free hole and push the PIVOT ROD❷ into the clip. ***TIP:*** The CLIP❶ may have a burr in the hole, use a Phillips screwdriver to remove the burr (see figure❹).

Step 9: When the PIVOT ROD❷ is positioned inside the CLIP❶ push the free end of the CLIP❶ over the PIVOT ROD❷ to firmly secure the rod and the clip together.



SPREADER CALIBRATION INSTRUCTIONS

HIGH-OUTPUT and LOW-OUTPUT TRAY:

Make sure the drop holes in the bottom of the hopper are **FULLY CLOSED** when the RATE CONTROL LEVER is resting on the Stop #0.

If the shut-off is not set correctly, please adjust CONTROL ROD at the PIVOT to position the shut-off for **FULLY CLOSED** at position at the Stop #0 on the RATE CONTROL LEVER***. As a side note, the HIGH-OUTPUT and LOW-OUTPUT TRAYS do not include or use a horizontal agitator.***

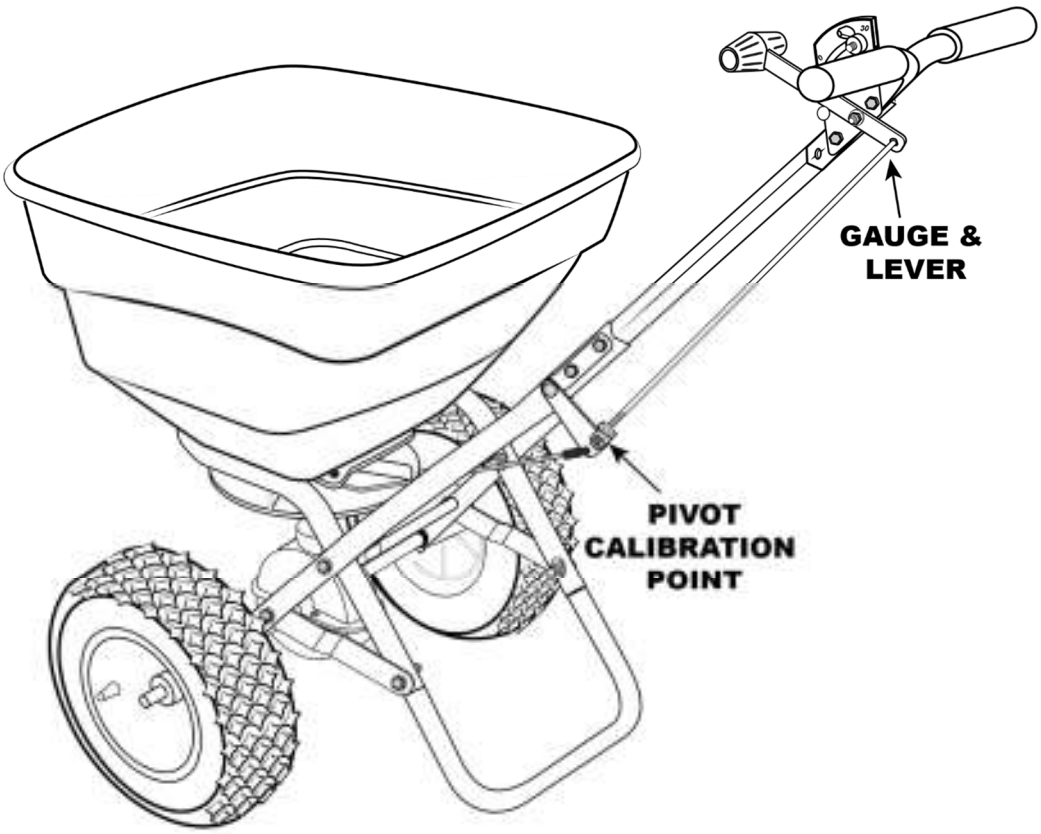
Calibration Adjustment

Review the CONTROL LEVER position to confirm that it is set so that the forward edge of the LEVER is resting at #0 (the stop) and the drop holes are closed. Move the spreader back & forth to ensure that the cam is positioned to allow the oscillating shut-off to close fully. If the shut-off is not properly positioned, you will need to adjust the CONTROL ROD at the PIVOT BRACKET shown below.

TIP: If your shut-off is not able to **CLOSE** fully, loosen the top nut a few turns, then tighten the lower nut so that it allows you to push the **shut-off fully closed**. Next, tighten each nut so that they contact the PIVOT BRACKET without moving it, and then carefully tighten each nut fully so they do not loosen during use. Recheck adjustment as outlined above.

STANDARD-OUTPUT TRAY:

Make sure the drop holes in the bottom of the hopper are **FULLY OPEN** when the RATE CONTROL HANDLE is on #30. If the shut-off is not set correctly, please adjust CONTROL ROD at the PIVOT to position the shut-off for **FULLY OPEN** hopper position at #30 on the RATE CONTROL LEVER. Install the horizontal AGITATOR through the PINION SHAFT in the hopper bottom. Finally, install the DEBRIS SCREEN onto the Quarter-turn fasteners and push down to snap and secure.



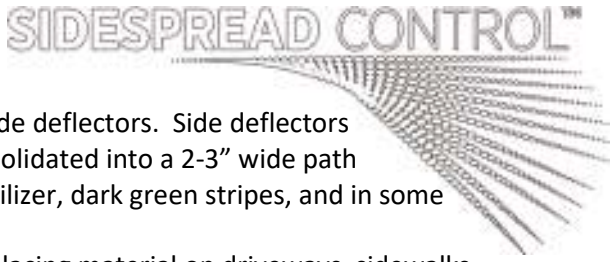
Review the CONTROL LEVER position to confirm that it is set so that the rear edge of the LEVER is resting at #30 (the stop) and the drop holes are open. If the shut-off is not properly positioned, you will need to adjust the CONTROL ROD at the PIVOT BRACKET shown below. ***TIP:*** If your shut-off is not able to **OPEN** fully, loosten the bottom nut a few turns, then tighten the upper nut so that it allows you to push the **shut-off fully open**. Next, tighten each nut so that they contact the PIVOT BRACKET without moving it.

Then, if the CONTROL LEVER does not stay in position causing the setting rate to change without your intervention, you can adjust the drag on the LEVER by tightening or loosening the nut shown to the right until the drag is appropriate.

OPERATING INSTRUCTIONS

- ☑ Obtain proper setting for material to be used from the enclosed SETTING MATRIX included with this spreader, or from our web site under the MANUALS SECTION.
- ☑ Set stop bolt on rate gauge assembly to the proper rate setting.

- ☑ While pushing spreader forward, pull control lever back to stop bolt, to stop spreading, push lever forward to close flow holes before you stop moving.
- ☑ When finished, empty any remaining material from hopper, rinse spreader, apply coating of light oil to all metal parts. The gearbox is sealed and is factory lubricated.



The **SideSpread-Control** is a patented innovation that is superior to side deflectors. Side deflectors block material leaving the impeller. This blocked material is now consolidated into a 2-3" wide path on the left inside wheel of your spreader. This equates to wasted fertilizer, dark green stripes, and in some cases this extra fertilizer (seven times) will damage the lawn.
SideSpread-Control maintains the correct application rate while not placing material on driveways, sidewalks, flowerbeds, or worse, the storm drains in your street. This saves you money and keeps you from damaging your lawn.

To engage **SideSpread-Control**:

1) Locate the lever on under the right side of the hopper.
2) Slide the control lever from the front to the back.
3) Position the left wheel of your spreader 6"–12" from the sidewalk, flowerbed, or driveway and spread as normal.
4) When you have completed this spreading pass, close the control lever to "0", and then open the **SideSpred-Control™** by sliding the control lever from back to the front, for a ***FULL***, 180 degree spread pattern.

CUSTOMER SERVICE

SUPPORT@EARTHWAY.COM | www.EARTHWAY.com | 1009 Maple Street, Bristol, IN 46507

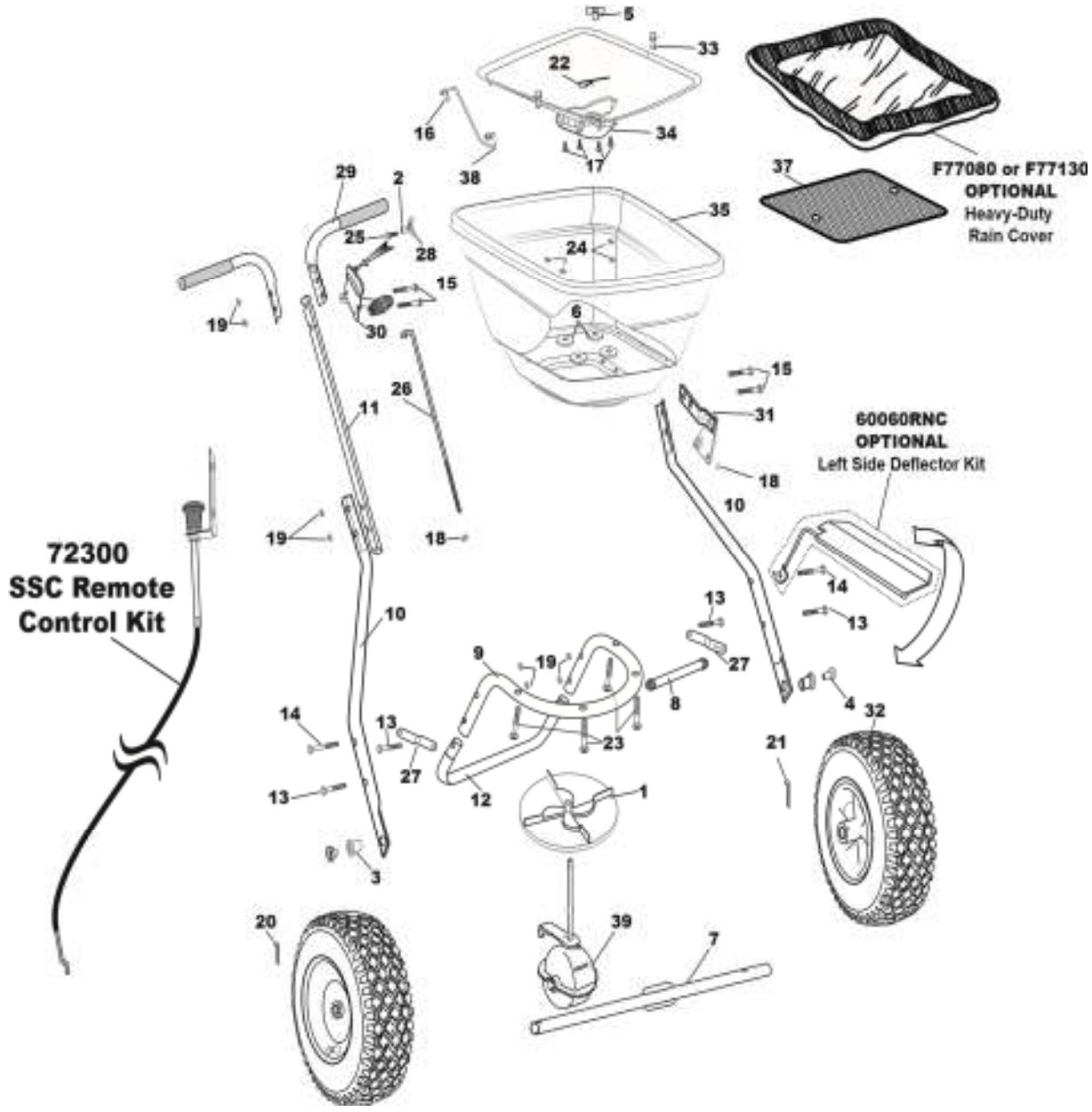
ONE YEAR WARRANTY

EarthWay Products, Inc. warrants this product 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, or normal wear and tear as determined by EarthWay.
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 warranty. Do not return any product without first receiving authorization from EarthWay Products, Inc.

To seek remedy under this warranty, contact EarthWay Products, Inc. at 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 warranty covers only the part(s) or product; any labor charges associated with repair or replacement of non-conformances are specifically excluded. 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.

HOW TO ORDER SPARE PARTS – CALL or EMAIL:

TURF DEPOT 800-305-9255 or earthway@turfdepot.com



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(F80) Broadcast Spreader Parts List					
SERIES	**PART #**	**DESCRIPTION**	**SERIES**	**PART #**	**DESCRIPTION**
1	12110	IMPELLER 9" ROUND DISHED	**29**	60175	UPPER HANDLE SQUARE W/GRIP ea
6	43020	BACKPLATE WASHER ***(FOR F130)***	**30**	60298	GAUGE & LEVER ASSEMBLY (Includes part 2, 25)
7	24500	AXLE	**31**	60300	PIVOT & BRACKET ASSEMBLY
8	25228	CROSS BRACE 11.25"	**32**	70138	PNEUMATIC DRIVE WHEEL STUD
9	25108	FRAME	**33**	F12135	1/4 TURN FASTENER FLEX SELECT
10	25222	LOWER HANDLE	**35**	F13105/ F13106	FLEX-SELECT 80# HOPPER/ FLEX-SELECT 130# HOPPER
11	25223	HANDLE SHAFT	**36**	F13130	STANDARD OUTPUT FLEX-SELECT TRAY KIT (includes part 5, 17, 34)
12	25723	FRAME FOOT	**37**	F40003	SQUARE SCREEN FLEX-SELECT-included with Standard Trays only
13	31100	1/4-20 X 1 1/2 HHMS ZINC	**38**	F44251	PIVOT ROD STD OUTPUT FLEX-SELECT
14	31106	1/4-20 X 2 1/4" HHCS ZINC	**39**	F60333	GEAR BOX ASSEMBLY FLEX -SELECT
15	31120	1/4-20 X 2" HHCS ZINC	**40**	F38081	HARDWARE PKG (includes part 3, 4, 20, 21, 22, 33)
16	31127	ROD CLIP (Flex-Select)		12242	AXLE PLUG
18	32100	1/4-20 HEX NUT ZINC		33117	.078 x 2 5//16" HAIR PIN CLIP
19	32103	1/4-20 NYLON INS LOCKNUT ZINC	**Optional**	60060RNC	SIDE DEFLECTOR
23	36214	1/4-20 X 1 1/2" PHPMS S.S.	**Optional**	F77080 (for F80) F77130 (for F130)	HEAVY DUTY RAIN COVER
24	36300	1/4-20 NYLON INSERT LOCKNUT S.S.	**Optional**	72300	REMOTE SSC CONTROL KIT
26	42256	CONTROL ROD	**Standard**	12196	GAUGE OVERLAY- EARTHWAY
27	44249	FRAME BRACE	**Optional**	60060RNC	SIDE DEFLECTOR