

# F80 & F130 FLEX-SELECT® Series Tow Kit

## For the Adaptable Broadcast Spreader

### Assembly and Operating Instructions

**EarthWay®**  
EV-N-SPRED®  
FLEX-SELECT

PLEASE CONTACT US: IF YOU ARE MISSING ANY PARTS, HAVE ANY DIFFICULTY IN ASSEMBLY, OR HAVE ANY QUESTIONS REGARDING THE SAFE OPERATION OF THIS SPREADER. THIS MODEL INCLUDES LIFETIME TECHNICAL SUPPORT. SUPPORT HOT LINE: 574-848-7491 or 800-294-0671, email: techsupport@earthway.com

#### HELPFUL HINTS:

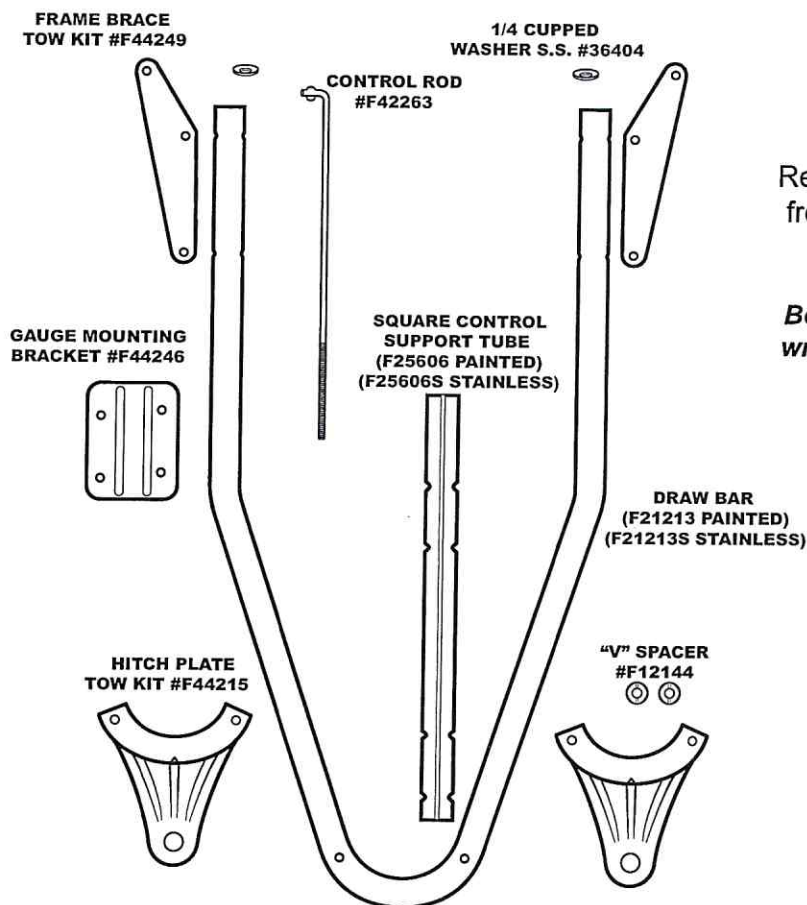
- ☑ If your spreader does not spread evenly, be sure the FRONT on the gear box points toward the towing hitch. Clean the impeller after each use as some fertilizer may become stuck on the impeller blades and will cause uneven spreading.
- ☑ Your spreader is designed to be towed at three miles per hour, 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 and dry your spreader thoroughly after each use, wash between the shut-off plate and bottom of the hopper regularly. To prevent rust, coat all metal parts (inside and out) including the frame tubes with a light oil, silicon spray, or Fluid Film®.
- ☑ Gears are permanently lubricated at the factory. Do not open the gearbox or dirt may enter.
- ☑ When using **Rock Salt** to prevent damage to the gearbox remove salt from the hopper daily. **Rock Salt** will reconstitute back into a solid block if left in the hopper overnight and will damage your gearbox if operated with the salt in place.
- ☑ **Do not pull the spreader at speeds greater than 3 MPH or you will damage the gearbox**

#### WARNING

Do not use air tools to assemble.  
To prevent seizing coat all bolts with a wax or grease prior to installation.

Remove all parts, hardware, and assemblies from carton and lay them out on the floor to help in assembly.

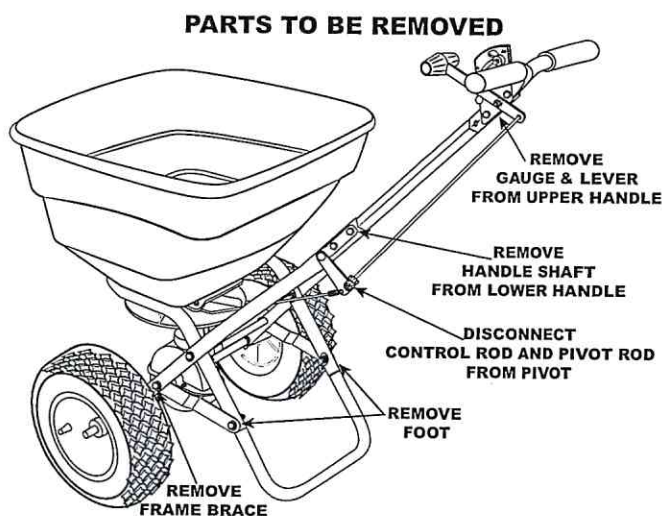
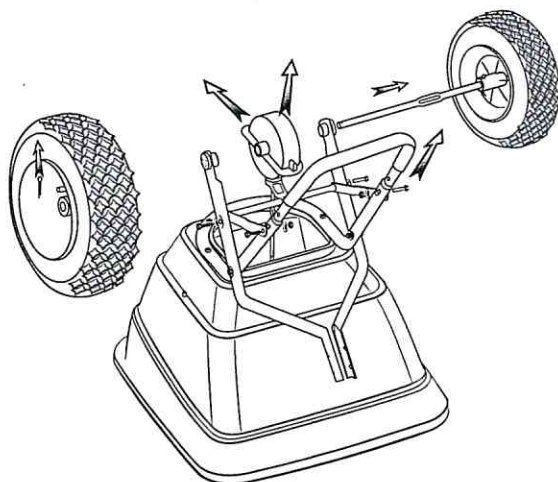
**Below are tools needed for assembly - 7/16" wrench, ratchet and 7/16" socket, and pliers.**



1-2017 Pt# F52157T

## **DISASSEMBLY:**

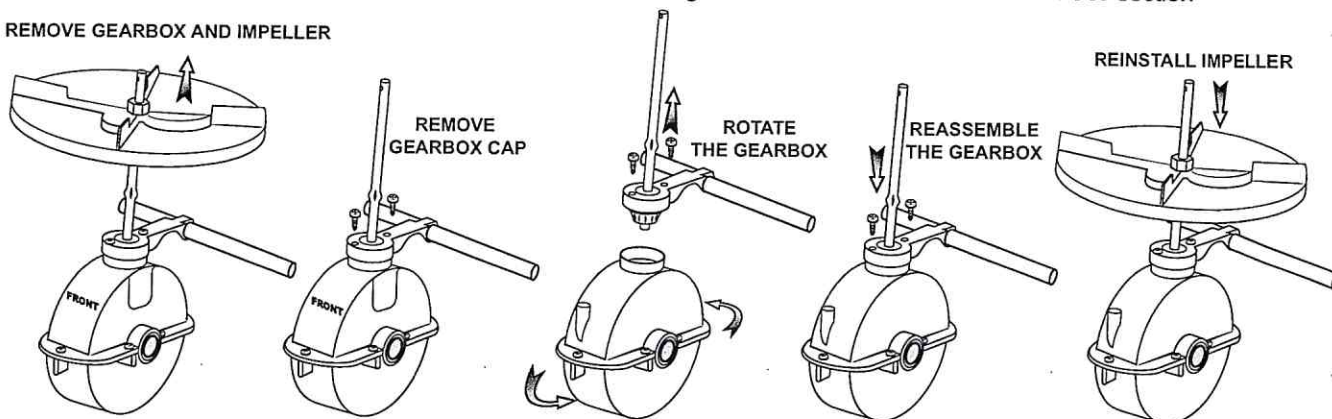
- Step 1:** Remove the AGITATOR (if currently installed), disconnect the PIVOT ROD from the PIVOT, remove the TRAY and finally, the IMPELLER (the impeller will lift off the pinion shaft)
- Step 2:** Disconnect the CONTROL ROD from the PIVOT
- Step 3:** Disconnect the HANDLE ASSEMBLY from the LOWER HANDLES and remove from spreader
- Step 4:** Turn the spreader over onto the HOPPER
- Step 5:** Remove the cotter pin from the AXLE and remove the COAST WHEEL from the AXLE and keep the cotter pin as it will be **reused**
- Step 6:** Remove the AXLE and DRIVE WHEEL (keep as an assembly) from the GEARBOX as shown below
- Step 7:** Remove the GEARBOX ASSEMBLY by disconnecting the CROSS BRACE from the LOWER HANDLES by removing the (2) 1/4-20 x 1-1/2" Hex bolts, lift out of the spreader, keep the nuts & bolts as they will be **reused**
- Step 8:** Remove the FOOT by removing the (2) bolts & nuts that secure the FOOT to the FRAME, keep the nuts & bolts as they will be **reused**
- Step 9:** Remove the FRAME BRACES from each side by removing the bolt that secures the CROSS BRACE, keep the bolts as they will be **reused**



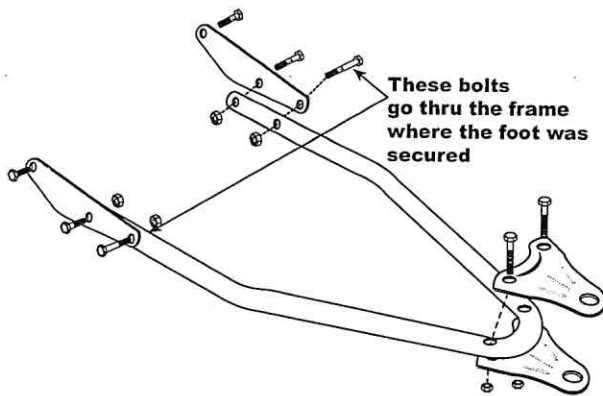
## **REVERSE GEARBOX:**

- Step 1:** Remove the GEARBOX CAP by removing the (2) screws that secure the CAP to the GEARBOX
- Step 2:** Rotate the GEARBOX so that the word "FRONT" is now facing the opposite way and re-attach the CAP, see illustration below
- Step 3:** Reinstall IMPELLER and set aside for installation during the **DRAWBAR INSTALLATION** section

REMOVE GEARBOX AND IMPELLER



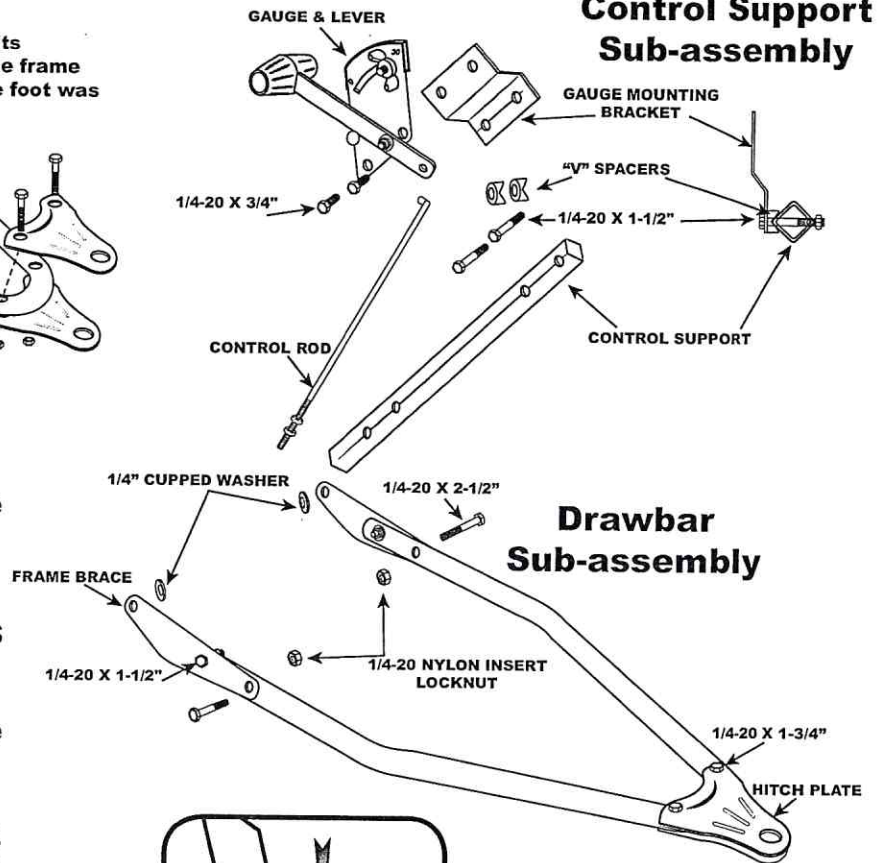




### **DRAWBAR ASSEMBLY:**

**Step 1:** Attach the (2) HITCH PLATES using 1/4-20 x 1-3/4" Hex bolts and secure with lock nuts to the loop front of the DRAWBAR as shown in the illustration. Tighten these now.

**Step 2:** Attach the (2) FRAME BRACES using 1/4-20 x 1-1/2" Hex bolts and lock nuts to the outside of the DRAWBAR as shown in the illustration - don't tighten yet.



### **CONTROL SUPPORT ASSEMBLY:**

**Step 1:** Attach the GAUGE MOUNTING BRACKET to the CONTROL SUPPORT using (2) "V" SPACERS and (2) 1/4-20 x 1-1/2" bolts and secure with lock nuts. Tighten fully.

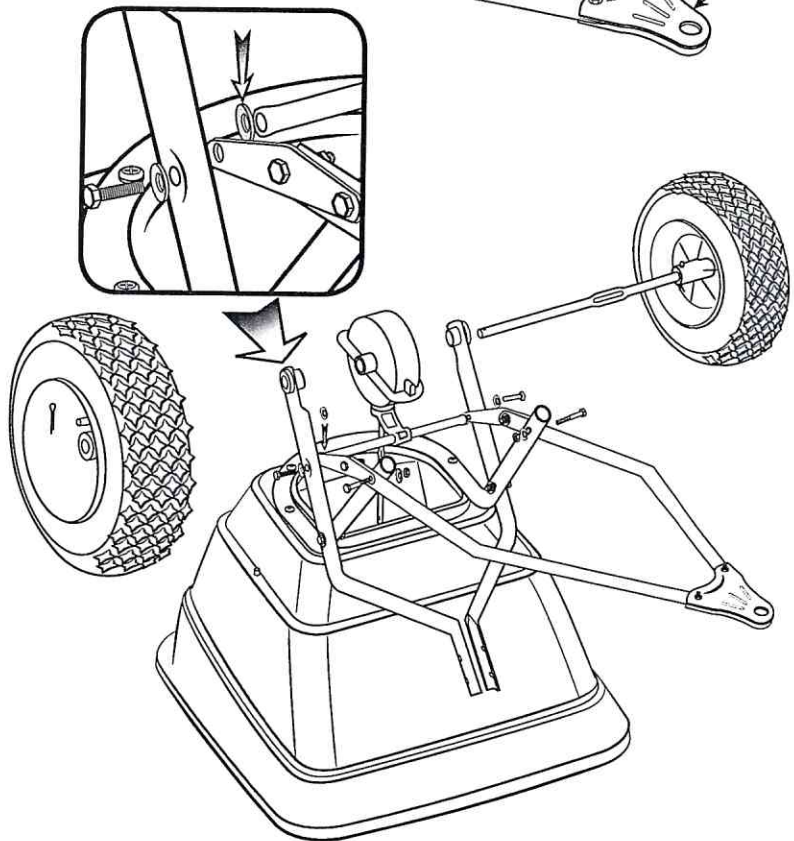
**Step 2:** Attach the GAUGE & LEVER to the GAUGE MOUNTING BRACKET using (2) 1/4-20 x 3/4" bolts and secure with lock nuts. Tighten fully.

### **DRAWBAR INSTALLATION:**

**Step 1:** Attach the DRAWBAR ASSEMBLY by first installing the (2) 1/4-20 x 2-1/2" bolts through the FRAME BRACE, DRAWBAR and then the FRAME as shown in the illustration at the right

**Step 2:** Position the GEARBOX ASSEMBLY between the LOWER HANDLES and reinstall the DRIVE WHEEL & AXLE ASSEMBLY and install the COAST WHEEL and attach the COTTER PIN to secure the COAST WHEEL to the AXLE

**Step 3:** Attach the DRAWBAR ASSEMBLY to the LOWER HANDLE and the CROSS BRACE taking care to install the CUPPED WASHER between the FRAME BRACE and the CROSS BRACE and install (2) 1/4-20 x 1-1/2" bolts into the CROSS BRACE and tighten fully. Go back and fully tighten all hardware in these two steps. To complete the **DRAWBAR Installation**, rotate the spreader onto the wheels.

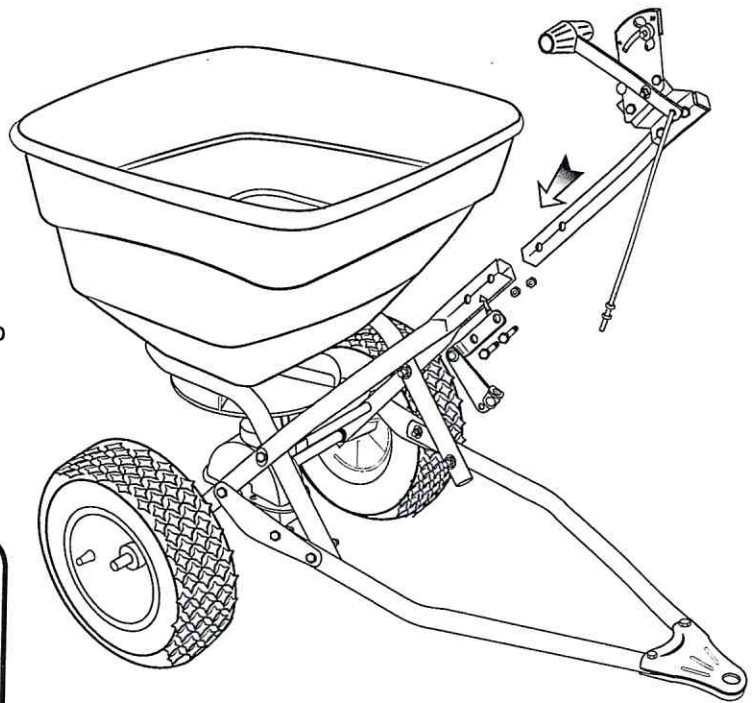
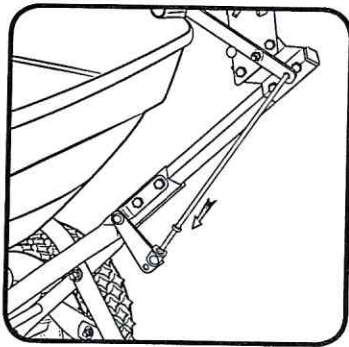


### **CONTROL SUPPORT INSTALLATION:**

**Step 1:** Attach the CONTROL SUPPORT by sliding it between the two LOWER HANDLES. This may be difficult so use a tool to help spread the LOWER HANDLES.

**Step 2:** Attach the PIVOT BRACKET to the LOWER HANDLES and through the CONTROL SUPPORT using (2) 1/4-20 x 1-1/2" bolts and secure with lock nuts. Tighten fully, see illustration to the right.

**Step 3:** Install the CONTROL ROD onto the LEVER as shown in the illustration to the right and then into the PIVOT CALIBRATION BRACKET

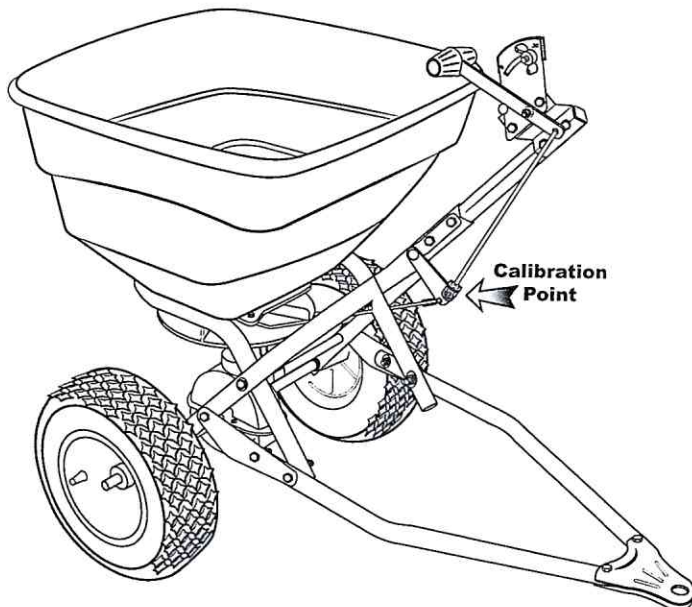


### **TRAY INSTALLATION:**

**Step 1:** Install the selected TRAY and replace the AGITATOR if required

**Step 2:** Attach the PIVOT ROD to the SHUT-OFF and then to the PIVOT

**Step 3:** Re-calibrate the spreader by adjusting the CONTROL ROD at the PIVOT until you are correctly calibrated based on the tray that is installed.



***If you have any questions regarding the assembly or use of any EarthWay product, please let us know by calling 800-294-0671, or via email: [sales@earthway.com](mailto:sales@earthway.com)***