General Information
Proper servicing and adjustment is key to the long life of all farm equipment. With careful and systematic inspection of equipment, costly maintenance, time and repair can be avoided. The following information will assist with recommended servicing and adjustments:
Leveling The Drill:

Drill height directly affects the working range of the openers. It is recommended that the initial tool bar height be set at 18 1/4". At this depth, it provides maximum range of opener vertical motion for following terrain and riding up over obstructions.

As the 3-point hitch is normally free to float up, the drill gauge wheels must be adjusted to maintain the tool bar height.

To adjust the gauge wheels:

1) Loosen the jam nut (1) near the bottom clevis of each gauge-wheel turnbuckle. Note: Due to the lower clevis being slotted, all measurements and adjustments must be made with the drill lowered.

2) Install the upper clevis into the upper mounting hole (2).

3) Using a wrench, adjust the turnbuckle (3) to have an initial length of 20 3/8" between pin centers. At this length, the drill will have a tool bar height of 18 1/4". Note: Lengthening the turnbuckle raises the drill while shortening the turnbuckle lowers the drill.

4) After adjusting both turnbuckles, be certain that they are the same length and tighten the jam nuts.

5) After setting the turnbuckles, level the drill from front-to-back with the top hitch link. When the drill is level, the gap between the spring-rod casting and the cross bolt will be about 2 inches. This is a general dimension that will vary with the amount of down pressure required for planting conditions.

Adjusting Disc Contact:

1) Completely raise the drill and install the transport locks.

2) Using a wrench, remove the bolt (4) retaining the opener disc on one side. Carefully remove the disc noting how many spacers are on the outside and inside of the disc. Note: Be careful not to lose any of the hardware.

3) To reduce the spacing between the disc (normal conditions), move one spacer washer from the inside of the disc to the outside.

4) Re-assemble the disc and check contact.
Opener Down Pressure:
The “W” clips on the opener spring rods should be in the lowest hole. This is the correct location in all conditions. The “W” clips can be raised one hole on openers in wheel tracks only if penetration is not adequate.

Disc Scraper Adjustment:
To keep opener discs turning freely, dirt scraper are mounted between discs to clean as the discs rotate. As field conditions vary, scraper may need to be adjusted.

To adjust:
1) Loosen the 3/8” bolt (5) and adjust the scraper as necessary. Note: There is an optional spring-loaded carbide scraper available that does not require adjustment.

T-Handle Adjustment:
The depth of each opener is controlled by the height of the press wheel. Varying the height of the press wheel changes the seeding depth of the opener. Moving the “T” handle to the front of the opener shallows the depth; moving the “T” handle towards the rear of the opener increases the depth. For a starting point, place the “T” handle in the center.
Feed Cup Adjustment:
Each feed cup is equipped with a four-position adjustment handle.
A) The highest position is for wheat and other small grains
B) The second is for soybeans and other large grains
C) The third is used if the seeds are cracking in the second position
D) The bottom position is for clean out and will drain all seed

Note: Do not open the feed cup handle to the bottom position with seed in the box unless complete clean out is desired. Changing this handle will change the seeding rate. When storing after drilling season, it is best to place the handle in the bottom position to prevent damage from mice.