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:
Hydraulic Hose Hookup:
Great Plains hydraulic hoses have colored coded handle grips to help hook up hoses to the tractor remotes. Hoses with the same color use the same remote.

1) Use the following table to assist with hooking up the hydraulic hoses.

<table>
<thead>
<tr>
<th>Color</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Lift (2 Hoses)</td>
</tr>
<tr>
<td>Green</td>
<td>Fold (2 Hoses)</td>
</tr>
<tr>
<td>Red</td>
<td>Fore &amp; Aft (2 Hoses)</td>
</tr>
<tr>
<td>Yellow</td>
<td>Rear Attachment (Optional)</td>
</tr>
</tbody>
</table>

Tire Inflation Chart:
Ensure all tires are inflated to the proper operating pressure per the table to the right. Note: Proper inflation is important to ensure safe transport and level operation of the Ultra-Disk.

<table>
<thead>
<tr>
<th>Position</th>
<th>Size</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport</td>
<td>380/55 R16.5</td>
<td>73 PSI</td>
</tr>
<tr>
<td>Transport</td>
<td>440/55 R18</td>
<td>73 PSI</td>
</tr>
<tr>
<td>Gauge Wheel</td>
<td>12.5L x 15 12 Ply</td>
<td>52 PSI</td>
</tr>
</tbody>
</table>

Front To Rear Leveling:
1) Completely unfold the machine onto a smooth level surface while observing the unit for any hydraulic leaks or loose fittings.

2) Once unfolded, raise the unit to re-phase the lift circuit. Hold the lift circuit open for 30 seconds to ensure all air is purged from the hydraulic system.

3) Lower the machine so the front discs are 1 to 2 inches off of the ground.

4) Initially set the hydraulic fore and aft to “D” before adjusting the hitch.

5) Loosen the jam nut (1) with the provided turnbuckle wrench located on the backside of the hitch.

6) Adjust the turnbuckle (2) at either adjustment nuts until the machine is level front to back. Retighten the jam nut.

7) Once in the field, use the hydraulic fore and aft to make any further front to rear adjustments.
**Side To Side Leveling:**

Note: Prior to leveling the machine side to side, ensure that the machine is level front to rear.

1) Lower the machine onto a smooth level surface until the discs are 1 to 2 inches off of the ground.

2) Loosen the rear nuts (3) and adjust the wing cylinder eye bolts (4) until the machine is level side to side. Re-tighten the rear nuts.

3) Once the machine is leveled side to side, lower the machine into the field ready position. Adjust the gauge wheel eye bolts (5) until the gauge wheels are lightly touching the ground.

**Hydraulic Wing Down Pressure Adjustment:**

Note: The down pressure system is not compatible with Open Center hydraulics. Place wing hydraulics in Float when running an Open Center system.

1) Engage the wing hydraulic lever for continuous flow.

2) From the cab, adjust the tractor hydraulic flow so that the needle on the bypass gauge (6) is in the green zone (1000-1500 PSI).

3) At the valve block, release the locking disc and adjust the knob (7) to set the initial down pressure (8). Usually set the pressure between 200-400 PSI. Note: Never exceed 800 PSI.

4) If the wings run high during field operation, increase the down pressure. If the center runs high, decrease pressure.
Rear Attachment Hydraulic Adjustment (Optional Rear Cast Roller or Baskets):

Note: Rear attachment hydraulic systems are not compatible with Open Center hydraulics. Run the rear attachment in Float when running an Open Center system.

1) Engage the rear attachment hydraulic lever for continuous flow.

2) At the valve block, release the locking disc and adjust the knob (9) to set the initial down pressure (10). Usually set the pressure between 200-400 PSI. Note: Rear attachments do not require a lot of down force and can usually be ran in FLOAT under normal working conditions.

Rear Coiltine Adjustment (Optional):

Moving the lever up is less aggressive and allows more residue to flow through the coiltines. Moving the lever backwards will increase the aggressiveness of the coiltines.

Wing Fold Assist Proximity Sensor Adjustment:

Note: Wings must be folded up and the wing safety lock pins installed when adjusting the proximity sensors to prevent damage to the sensor and bracket. Ensure that the lights are plugged in to illuminate the sensor.

1) Loosen the nuts (11) (one of the front and one on the back side of the sensor bracket, adjust the proximity sensor to 1/8” to 1/4” from the front of the proximity sensor to the rear of the wing tube). Note: The sensor light will turn RED when the sensor indicates metal.

2) Once adjusted, re-tighten the nuts (11) to secure the proximity sensor in position.
Hydraulic Single Point Depth Stop Adjustment:

The hydraulic depth stop will ensure a consistent depth every time the implement is lowered.

1) Prior to adjustment, ensure that the machine is completely level front to back and side to side.

2) Lower the implement to the desired working depth and pull forward. Once satisfied with the working depth, adjust the depth stop handle to make contact with the depth stop valve. Note: If a change in depth is desired, 1 full turn of the depth stop handle either in or out will change the depth of the machine approximately 1/4” up or down.