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:**

Ensure that the tractor horsepower meets the minimum requirement for the implement being pulled. This is important so that the implement can work as efficiently as possible.

1) Connect the Plains Plow to the tractor using a locking style pin. Ensure that the safety lights and chain are hooked up.

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.

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

<table>
<thead>
<tr>
<th>Color</th>
<th>Hydraulic Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Lift (2 Hose)</td>
</tr>
<tr>
<td>Green</td>
<td>Fold (2 Hose)</td>
</tr>
<tr>
<td>Yellow</td>
<td>Fold (2 Hose) (Models 9744-9756 center right)</td>
</tr>
</tbody>
</table>

**Side to Side Leveling:**

Note: Side to side leveling of the machine should be done of a concrete slab or a level surface.

1) Lower the machine so that the sweeps are 1 inch off of the ground on the center frame.

2) On the center frame, loosen the jam nut (1).

3) Adjust the turnbuckle (2) to an initial setting of 19 inches pin center to pin center. Check the center frame section for overall levelness. If one side is higher than the other, extend the turnbuckle on that side to level out the frame. Note: Shortening the turnbuckle raises the frame, while extending the turnbuckle lowers the frame.

4) Re-tighten the jam nut (1).

5) Once the center frame is level, do the same for each wing frame moving outward from the center frame. The first folding wing (short) turnbuckle has an initial setting of 17 inches pin center to pin center. The second folding wing (short) turnbuckle has an initial setting of 16 3/4 inches pin center to pin center.

6) The wings may need to be adjusted slightly lower than the center section in soft field conditions. Note: Shortening the turnbuckle raise the frame, while extending the turnbuckle lowers the frame.
Front to Rear Leveling:
Lower the machine to the desired working depth and then level the machine from front to rear if needed. Note: Model 9322 will have a turnbuckle to adjust and Models 9326-9756 will have an eyebolt for adjustment.

1) Loosen the jam nut (3) on either the turnbuckle or the eyebolt (4) and adjust the other nut (5) up or down until the machine is level front to rear. Note: The front of the machine could be adjusted slightly lower for hard soils. Do not run the machine with the back lower than the front.

2) Re-tighten the jam nut (3).

3) Once the machine is level front to rear, the treader may need to be adjusted. In most cases the treader should be allowed to float and will not require additional down pressure.

Gauge Wheel Adjustment:
Once the machine has been leveled and set to the desired working depth, the gauge wheels can be now be adjusted.

1) To adjust the gauge wheel arm, loosen the two 3/4 inch bolts (6).

2) Remove the pin (7) and slide the gauge wheel arm (8) up or down until the gauge wheel is 1/2 to 1 1/2 inch above the ground.

3) Re-install the pin (7) and tighten the two 3/4 inch bolts (6).

Depth Stop Adjustment:
Once the machine is level and set to the desired depth, set the depth stop (9) located at the front of the machine to ensure that the until will operate at a consistent depth every pass. After setting the depth stop, if a change of depth is desired, 1 full turn of the adjustment handle either in or out will change the depth of the machine approximately 1/4 inch up or down.

Note: If the detent on the tractor kicks out before the stop contacts the button on the depth stop, slow the hydraulic flow speed.
Treader Adjustment:
Adjust the treaders to leave the desired results. In most cases the treader should be allowed to float and will not require additional down pressure. The spring bolt (10) should be pre-set in the third hole (normal position) of the treader mount bracket (11).

To increase the down pressure and make the treaders more aggressive, the spring bolt (10) may be moved forward to the second hole of the treader mount bracket (11) from the front. This will also reduce the transport height so the spring nut (12) may need to be tightened to raise the treaders slightly for transport.

Treader Angle Adjustment:
The treaders are designed to run at angles of either 15 or 20 degrees. The preferred setting is 15 degrees in most instances.

1) To set the treader gang to 15 degrees, install the 3/4x4 inch bolt (13) in the inside hole (14) of the treader gang.

2) To set the treader gang to 20 degrees, install the 3/4x4 inch bolt (13) in the outside hole (14) of the treader gang.

If plugging of treaders occurs, they may need to be moved back one hole in the wishbone arm assemblies. The further back the treaders are moved, the heavier the tail end of the machine will be. Do not move them unless absolutely necessary. Note: Most of the extra mounting holes in the brackets are needed to allow the treaders to be mounted on competitors machines. Under most circumstances, it is not necessary to vary the settings from the factory recommended settings.