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:
Attaching Machine/Folding:

When hooking up the X-Press, first ensure that the tractor horsepower matches the machine’s minimum horsepower requirement. The X-press is designed to run at high output speeds up to 7.5 mph so proper horsepower is crucial for maximum efficiency of the machine.

1) Before attaching to the machine, make sure that the hydraulic valves located on the rear axle of the machine are turned off. This will help to eliminate high pressures at the hydraulic couplings.

2) Connect hydraulic hoses to the back of the tractor with the yellow couplers controlling fold and the red couplers controlling lift.

3) Use the hydraulics to raise or lower the height of the tongue to match the tractor’s draw-bar clevis. Attach the machine to the tractor using a locking style pin.

4) Open the hydraulic valves located on the rear axle and fully raise the machine.

5) Use the hydraulics to fold the machine completely.

6) Lower the machine to maximize stability while ensuring adequate clearance for transport.

7) Close the hydraulic valves on the rear axle. Install the transport strap on the wings.

8) Now the X-Press is ready for transport.

Unfolding:

1) Remove the transport strap from the rear wing cylinders.

2) Raise the machine completely up.

3) Use the hydraulic lever controlling the wings to slowly unfold the machine. Note: When the machine is unfolded, the wings will appear to be lower at the wingtips. This enables the machine to float over uneven ground.

4) Lower the machine to the ground until the rear axle wheels are completely raised off the ground.

5) Leave the hydraulic valves located on the rear axle cylinder open to raise and lower the rear axle wheels during field operation. Note: Do not turn on the ML roller to avoid damage to the machine.
Adjusting Wing Transfer Pressure:

Normal operating pressure for the X-Press is 145-290 psi. Adjusting the wing transfer pressure system is generally not necessary as each system is factory set. The pressure can be adjusted if excessive wear on the blades is present or there is a variation in soil types such as less pressure for extremely light conditions or increased pressure for extremely hard conditions. If pressure must be adjusted, consult with a certified Great Plains dealer for proper instructions before proceeding.

Gang Adjustments:

The X-Press features two rows of blades that are mounted on Pro-Active sprung leafs (C-Shanks). The blades on each gang section can be individually adjusted to the desired blade angle. The blades can be adjusted from a light 10 degrees to an aggressive 25 degrees.

1) To adjust the blade angle, simply unlock the cranking handle located on the top of the gang and adjust to the desired angle. Note: Ensure that both wings have the same angle to allow for ease and straight pulling. Failure to do so can result in dog tracking and/or damage to the machine.

2) Next to every adjustment handle is a indicator that shows what angle the blades are set at. Refer to the picture to the right for clarification on slot representation. Note: As a starting point, set both front and rear blade angles on the 3rd notch (middle) and adjust as conditions require.

General Rules when setting blade angle:

- Lighter soil conditions will require less blade angle and faster speeds.
- Wet soil conditions will require less blade angle and slower speeds.
- Heavy soils will require more blade angle and slower speeds.
- Heavy trash will require less blade angle and faster speeds.
- Hard soil will require increased blade angle for penetration.
Depth Adjustment/Leveling:

1) Lower the machine into the ground and pull forward at the desired working speed.

2) Raise or lower the unit using the front cylinder until the desired depth is achieved. Once the depth is determined, install shims as needed on the cylinder ram for a depth stop.

Now that the overall depth of the machine is determined, ensure that the machine is running level during operation. If it is noticed that the nose is running too shallow or too deep, adjustments can be made per the following:

1) The turnbuckles located on the front gangs can be adjusted to help level the disc frame. Note: Adjustment of these turnbuckles is usually not necessary unless gang angles are high and/or the machine is running deep. Most of the time no adjustment is necessary.

2) To adjust the turnbuckles, simply turn the turnbuckles until the machine is level. Extending the turnbuckles will lower the front end while retracting the turnbuckle will raise the front end up.

3) After all of the adjustments are made, install shims onto the turnbuckles to ensure that they will not move and recheck that the machine is now level. Note: Make sure all turnbuckles are of equal length.

Center Disc:

Adjustable single disc X-Press’s built after 2011 have an optional center disc assembly that is designed to eliminate the ridge between the two wings.

Center Disc Option 1 (Normal Operation):

When using option 1, it is recommended that the center disc be installed on the inner left hand wing using the center hole (1) configuration. The disc assembly can then be adjusted for less disc angle by moving the bolt to the left hole (2) or the bolt can be moved to the right hole (3) for a more aggressive angle. Note: Plugging may occur when hole 3 is used.

Center Disc Option 2 (Shallow Operation):

The twin disc design should be used in shallow conditions to help move more dirt and eliminate the gap between the two wings.