8.0M & 10.0M Trailed X-Press

Models Affected: 8.0, 10.0

Date: August 15, 2016

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 The Machine:
When hooking up to a 8.0M or 10.0M 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 9 mph so proper horsepower is crucial for maximum efficiency of the machine.

1) Before attaching the machine, make sure the hydraulic valves located on the hydraulic jack and wing catcher are turned off. This will help eliminate high pressures at the hydraulic couplings and sudden machine drop.

2) Connect the lights and hydraulic hoses to the back of the tractor with the red couplers controlling the hydraulic jack/tilt, the yellow couplers controlling the wing catchers, blue couplers controlling implement lift and the orange/green couplers controlling gang angle.

3) Ensure that all of the tractor's hydraulic remotes are in neutral and slowly open the hydraulic valve located on the hydraulic jack. Note: If the tractor's hydraulics are left in float when the hydraulic valve is opened, the machine will suddenly drop to the ground.

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

5) Lower the hydraulic jack so the machine's weight is now on the tractor and put the hydraulic jack circuit in float. Remove the locking pin and swing the hydraulic jack into the transport position.

Folding The Machine:
1) Ensure that the in-line hydraulic valve for the wing catcher is closed.
2) Using the tractor’s hydraulics, completely raise up the machine until the transport wheel cylinders are at full stroke. **Note: Ensure that the machine is completely raised prior to tilting to avoid any damage to the machine.**

3) Turn off the power source to the solenoid valve (the machine comes with this wired into the side light function on the light cable). This must be done to allow oil flow out of the tilt cylinders.

4) With the machine completely raised, apply hydraulic pressure to the tilt circuit to fold the machine forward. Continue hydraulic pressure until the wings are completely vertical.

5) With the wings now vertical, ensure that the wing catcher hydraulic valve is still closed and operate the wing hydraulic circuit to close the wings around the draw-bar.

6) Open the wing catcher hydraulic valve.

7) Apply hydraulic pressure to the wing catcher circuit to lift the catchers and take the load of the machine.

8) Turn off the wing catcher hydraulic valve and fold the light units up.
Unfolding The Machine:
Ensure that the machine is on a level surface prior to unfolding.
1) Fold down the lights and open the in-line hydraulic valve for the wing catcher.

2) Operate the tractor’s hydraulic circuit to lower the wing catchers and begin unfolding the wings. Continue hydraulic pressure until the wing cylinders have reached full stroke. 
   Note: When the wings are fully open, they will appear to not be parallel. This is designed to enable the machine to float over uneven ground during field operation.

3) With the wings fully unfolded, slowly begin to apply hydraulic pressure to the implements tilt circuit to lower the machine rearwards. Continue applying hydraulic pressure until the machine is tilted onto the DD rollers. Note: When tilting the machine rearward, there will be a 5-15 second delay before the machine begins to tilt.

4) With the machine now tilted, turn off the in-line hydraulic valve for the wing catcher.
   Note: The 8.0 and 10.0M X-Press’s are designed to turn on the DD rear rollers when in the field position.
**Depth Adjustment/Leveling:**

1) Using the hydraulic tilt circuit, lower the machine into the ground and pull forward at the desired working speed.

2) Raise or lower the machine using the hydraulic tilt circuit until the desired depth is achieved. Once the depth is determined, observe the machine for overall levelness.

3) If the front of the machine appears to be running too low, adjust the tilt/limit switch towards the tractor to raise the front of the machine. If the front of the machine appears to be running too high, adjust the tilt/limit switch rearward to bring the front of the machine down. *Note: Every time the tilt/limit switch is adjusted, it is necessary to tilt the machine fully rearward to reset the switch.*

4) If the rear of the machine appears to be running too low, extend the rear roller cylinders and add shims to raise the rear of the machine. If the rear of the machine appears to be running too high, remove shims and retract the rear roller cylinders to lower the rear of the machine.

**Transport Wheel Adjustment:**

If it is noticed during field operation that the center of the machine is running lower than the rest of the machine, the transport wheels can be adjusted to help support the center of the machine.

1) Using the hydraulic tilt circuit, extend the tilt cylinders until the machine is completely supported on the rear rollers.

2) Apply hydraulic pressure to the transport hydraulic circuit to extend the transport wheel cylinders.

3) Install shims onto the transport wheel cylinders. *Note: Start with minor adjustments to avoid over correcting the issue.*

4) Once installed, retract the transport cylinders and lower the machine back into the ground. Re-inspect the machine for levelness and re-adjust as necessary.
Gauge Wheel Adjustment:
During field operation, gauge wheels are designed to support the wing tips. Prior to adjusting the gauge wheels, ensure that the machine is running at the desired depth and is level going through the field.

1) The turnbuckles located on the front gauge wheels can be adjusted to help support and level the wing tips.

2) To adjust the turnbuckles, simply turn the turnbuckles until the gauge wheels are just touching the ground.

3) After all adjustments are made, install shims onto the turnbuckles to ensure that they will not move and re-check that the machine is still level. Note: Make sure both gauge wheel turnbuckles are of equal length.

Gang Angle Adjustment:
The X-Press features two rows of blades that are mounted on Pro-Flex 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 use the gang angle hydraulic circuit to adjust the gang angle to the desired aggressiveness.

2) Once the desired aggressiveness is achieved, install shims onto the gang angle cylinders to ensure that they will not move during field operation.

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<tr>
<th>Soil Conditions</th>
<th>Disc Angle</th>
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<tbody>
<tr>
<td>Light soil</td>
<td>Less gang angle</td>
</tr>
<tr>
<td>Wet Soil</td>
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<tr>
<td>Heavy Soil</td>
<td>More gang angle</td>
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<td>Heavy Residue</td>
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<tr>
<td>Hard Soil</td>
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<tr>
<td>Worked Ground</td>
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