



8000N, 8100 QUICK SETUP GUIDE

Refer to Operators Manual for Complete Setup Instructions

Set Up Tractor Hydraulics - All Machines

Important: Check hydraulic oil level. Fill if necessary. Set SCV flow rates and detent times as shown in table.

SCV	Function	Flow	Detent Time
I	Main Lift/Lower/ Down-Pressure	10	Continuous
II	Toolbar Fold/Unfold	10	Continuous
III	Flip Fold	10	Continuous
IV	Pump	7-8	Continuous

Unfolding the Toolbar -- from Transport Position to Field Position

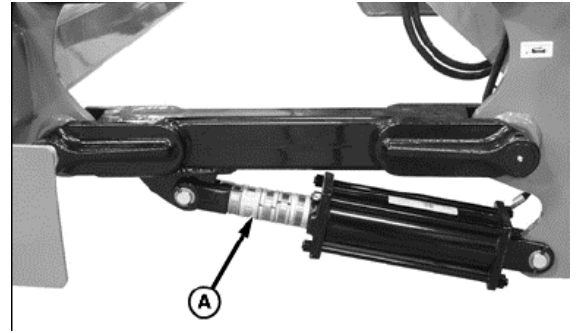
- Pulling rearward on SCV I, raise center section and inner wings and visually verify the toolbar is fully raised.
- Push SCV II forward to detent in continuous mode.
- Unfold toolbar by holding main wings switch in field position until wings are unfolded. Wings will be in line with center section when fully unfolded.
- Push SCV II forward to detent in continuous mode.
- Hold flip wings switch in field position to unfold the flip wings.
- Disengage SCV II and remove transport cylinder locks from both main lift cylinders.

Folding the Toolbar -- from Field Position into Transport Position

- Pulling rearward on SCV I, raise center section and inner wings and visually verify the toolbar is fully raised.
- Push SCV II forward to detent in continuous mode.
- Hold flip wings switch in transport position to fold the flip wings.
- Fold toolbar by holding main wings switch in transport position until main wings are seated in transport rest at the rear of the machine.
- Pull SCV II rearward to detent in continuous mode.
- Hold flip wings switch in transport position to fold the flip wings.
- Disengage SCV II and install transport cylinder locks on both main lift cylinders.

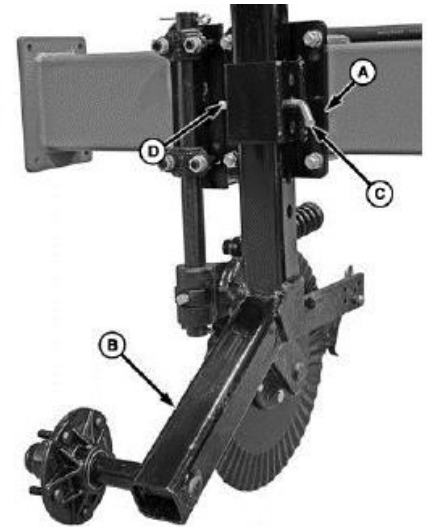
Adjust Center Section Height

- Place machine on level surface in field.
- Unfold toolbar and lower until coulter blades are 2-4" in the ground.
- Install required number of depth stops (A) on main lift cylinders to set the center section to desired depth.
- While applying fertilizer, operate SCV I in continuous down mode. This will keep the center section against the depth stops and supply oil to the down pressure valve(s).



Adjust Gauge Wheel Height

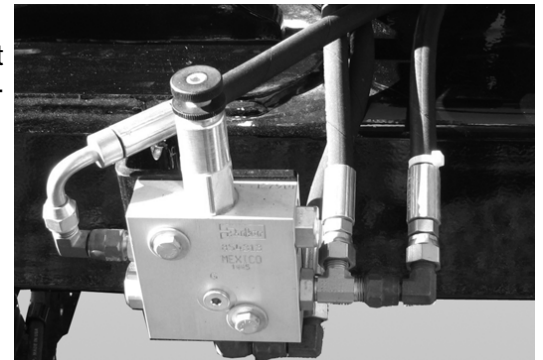
- With center section height set, adjust the inner and outer gauge wheels so that the coulter blades are 2-4" in the ground.
- Adjust gauge wheel (B) by removing spring clip (D) and retaining pin (C) and moving the gauge wheel up or down.
- Reinstall pin and retaining clip.



Set Toolbar Main Wing and Flip Wing Down-Pressure (If Equipped)

Important: Toolbar down pressure should read between 700 - 1000 psi but can be adjusted from 0 - 1500psi. Down pressure should not exceed 1500 psi. See pressure gauge. Do not use more down-pressure than necessary or excessive wear and damage to machine could result.

- Adjust down-pressure to initial setting by rotating knob on Main Wing down pressure valve. Tighten to increase pressure, loosen to decrease pressure.
- Once set, lock knob in position with collar.
- Make a trial pass in field. If coulter to ground engagement is not satisfactory, adjust hydraulic pressure as needed.
- If equipped, use Flip Wing down pressure valve in the same manner to adjust Flip Wing down pressure.



Product Plumbing Setup and Calibration

- Refer to Operators Manual for complete product plumbing setup, calibration, and servicing.

Wing Function Control Box (5 Function): This control box is mounted in the cab and attached to a 12 volt power source. The wiring harness is routed across the hitch and plugs into the connector coming from the trailer. Be sure that there are no power lines next to the machine and that the machine is in an open area large enough to allow the booms to swing out without hitting any obstructions. The hydraulic circuit control lever to the boom function circuit must be placed in detent prior to operating.



Fig. 1 WING CONTROLS (5 FUNCTION BOX)

- a. **Left Wing Tilt Position:**
This spring-loaded-to-neutral-center toggle switch controls the left boom tilt function. Move the switch up and hold to raise the tip of the left wing and down to lower. Release the switch, the left wing will stop moving and it will remain in position. Use this function to raise the tip of the wing to clear obstructions.
- b. **Main Wing Up/Down:**
This spring-loaded-to-neutral-center toggle switch controls the wing height cylinder. Move the switch up and hold to raise the entire wing assembly. Move the switch down and hold to move down. Release the switch, the wing will stop and remain at that position.
- c. **Right Wing Tilt Position:**
This spring-loaded-to-neutral-center toggle switch controls the right wing tilt function. Move the switch up and hold to raise the tip of the right wing and down to lower. Release the switch, the right wing will stop moving and it will remain in position. Use this function to raise the tip of the wing to clear obstructions.
- d. **Main Wing Switch:**
Field to Transport:
This spring-loaded-to-neutral-center toggle switch controls the fold to transport function. Move the switch up and hold to pivot the outer wing to transporting and down to fold position. Release the switch, the flip wing will stop and remain at that position.

- e. **Flip Wing Switch:**
This spring-loaded-to-neutral-center toggle switch controls the flip wing fold function. Move the switch up and hold to fold the flip wing in and down to fold out. Release the switch, the flip wing will stop and remain at that position.

IMPORTANT

Extend the cylinder completely when folding the outer wing to allow the wing to rotate until it hits the stop.