

8200 Fast Side Fold Fertilizer Bar

Hydraulic Operating Instructions

Tractor Remote SCV:

SCV1: Connected to Center Section Main Lift Cylinders and Main Wing Kick and Main Wing Down Pressure Manifold

SCV2: Connected to Boom Folding Manifold

Unfolding the Toolbar from Transport Position to Field Position

Engage the tractor remote # 1 to raise the main wings from the transport saddle. Next manually remove the main lift cylinder transport brace from the ram end of the cylinder and store in the appropriate location on the trailer. **Caution: Never engage the tractor remote #1 to lower the center section with the cylinder transport brace removed while the main wings are in the transport position or damage to the transport saddle may occur.** With the transport brace removed and the main wings lifted out of the saddle, engage the tractor remote # 2 continuously so as to supply oil for the electronic cab box folding functions. Once continuous oil from remote #2 is supplied to operate the cab box functions, ensure that the main wing latches are completely raised by holding the "LATCHES" toggle switch in the "TRANSPORT" position for a few seconds. After it has been visually confirmed that the latches are fully raised, hold the "MAIN WINGS" toggle switch in the "FIELD" position until the wings are completely folded out and laterally in line with the center section. It may be noted that the main wings will be in a kicked up position at this time. Next, latch the main wings in place by pressing and holding the "LATCHES" toggle switch in the "FIELD" position until the latches are visibly secured. With the main wing secured into the latches, press and hold the "FLIP WINGS" toggle switch in the "FIELD" position to unfold the main wings. The toolbar should be completely unfolded with the wing tips angled up in the kicked position. The tractor remote #2 may now be disengaged and returned to neutral until a wing folding function is required. Check the amount of down pressure applied to the main wings by engaging remote #1 continuously and lowering the coulters into the ground while remaining stationary with the unit. The hydraulic down pressure gauge should read between 700 and 1500 psi. The desired down pressure may be adjusted by turning the socket head screw on the down pressure valve located on the toolbar near the wing fold manifold. Turning the socket head screw clockwise increases the pressure and turning it counter clockwise decrease the down pressure. Now reverse the tractor remote #1 to fully raise the toolbar and kick the wings up. The toolbar is now ready for field application.

Field Operation of the Toolbar:

Once the desired field location of application is reached the center section and main wing kick may be lowered by engaging the tractor remote #1. Even after the coulters are in the ground the tractor **remote #1 must continue to be engaged providing a continuous oil supply to and from the down pressure circuit.** When encountering the headland at which point the toolbar must be raised to turn, reverse the tractor remote #1 to raise the toolbar and kick the wings up. Upon completion of the turn the **tractor remote #1 must be continuously engaged once more to lower the toolbar and activate the down pressure system.**

Failure to keep the tractor remote #1 engaged and supply a constant oil flow to the down pressure system could result in structural failure of the toolbar and/or hydraulic cylinder components.

Folding the Toolbar from the Field Position to the Transport Position:

When the fertilizer application is completed or the toolbar needs to be transported, engage the tractor remote #1 to fully raise the toolbar and kick the wings up. Next engage tractor remote #2 to supply oil for the cab box folding functions. Hold the cab box "FLIP WINGS" toggle switch into the "TRANSPORT" position until the flip wings are fully folded up. Next hold the "LATCHES" function into the "transport" position to raise the latches. With the latches fully raised press and hold the "MAIN WINGS" toggle switch into the "TRANSPORT" position until the main wing bumps into the transport rack vertical back stop. To lower the main wings and secure them into the saddle, press the "DOWN IN REST" toggle switch until the main wings are fully supported. You may now disengage the tractor remote #2 and manually reinstall the main lift transport brace onto the ram of the main lift cylinders.

Storage:

If the toolbar is to be stored for an extended period of time, the transport brace must be placed on the main lift cylinders to prevent the center section from settling down. Momentarily float all the tractor remotes to relieve any residual pressure before disconnecting the hoses from the tractor. Due to the counterbalance valve in the main lift circuit, the center section should not lower when tractor remotes are floated. **Never engage the tractor remote #1 to lower the center section while the main wings are in the transport position or damage to the transport saddle may occur.**