



BW500 / BW750 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	EF & EFT Main Lift, HC Main Lift & Wings	10	Continuous
II	BW500EF, BW500EFT, BW750EFT Wings	10	Continuous
III	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 I (HC) or SCV II (EF & EFT) 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.
- Hold flip wings switch in field position to unfold the flip wings.
- Disengage SCV I (HC) or SCV II (EF & EFT) 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 I (HC) or SCV II (EF & EFT) 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.
- Disengage SCV I (HC) or SCV II (EF & EFT) and install transport cylinder locks on both main lift cylinders.

Product Plumbing Setup and Calibration

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

1. **Boom 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.

- a. **Left Boom 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 boom and down to lower. Release the switch, the left boom will stop moving and it will remain in position. Use this function to raise the tip of the boom to clear obstructions.

- b. **Boom Up/Down:**

This spring-loaded-to-neutral-center toggle switch controls the boom height cylinder. Move the switch up and hold to raise the entire boom assembly. Move the switch down and hold to move down. Release the switch, the boom will stop and remain at that position.

- c. **Right Boom Tilt Position:**

This spring-loaded-to-neutral-center toggle switch controls the right boom tilt function. Move the switch up and hold to raise the tip of the right boom and down to lower. Release the switch, the right boom will stop moving and it will remain in position. Use this function to raise the tip of the boom 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 boom to transporting and down to fold position. Release the switch, the flip wing will stop and remain at that position.



**Fig. 1 BOOM CONTROLS (5 FUNCTION BOX)
60 & 66' BOOM**

HYDRAULIC BOOM OPERATION

Three types of hydraulically operated booms are available. They are EF Booms, EFT Booms and HC Booms.



DANGER

To avoid personal injury or death, **KEEP** clear of **ALL** electrical power lines when operating sprayer or when folding or unfolding booms.



WARNING

To avoid personal injury, make sure that everyone is at a safe distance from the sprayer before folding or unfolding the sprayer boom.

Keep a safe distance from the boom while in operation. Hydraulic booms may move suddenly without warning.

EF & EFT Boom

After the sprayer and hydraulic hoses have been properly attached to the tractor, unfold the boom using the following procedure:

1. Raise the complete boom until the boom wings clear the transport rest.
2. Place the tractor in park and/or set the brakes and stop the engine.
3. Remove the transport lock from the lift cylinder at the rear of the sprayer and place in the storage position provided.
4. Restart the tractor and unfold the boom wings until the boom is in the working position.

5. Lower the entire boom to the desired height.

IMPORTANT: DO NOT lower boom to the full down position. There must be a minimum of 1-1/2" of hydraulic lift cylinder shaft showing before the suspension can work properly.



Transport Lock (1)
Hydraulic Lift Cylinder (2)

EFT Boom

After the sprayer booms have been unfolded and lowered to the correct height, tilt the boom wings using the following procedure:

1. Flip the wing tilt switch on the control box to the tilt position.
2. Using the tractor hydraulic controls tilt the individual wings up or down to the desired position.

- a. The tractor control for the single hose control will tilt the left wing.
- b. The tractor control for the dual hose control will tilt the right wing.



Wing Tilt Switch (1)

Fold the boom using the following procedure:

NOTE: For EFT booms, level both boom wings before proceeding.

1. Raise the boom to the full lift height.
2. Fold the boom inward until the boom is over the top of the transport rest.
3. Place the tractor in park and/or set the brakes and stop the engine.
4. Remove the transport lock from the storage position on the boom stabilizer arm and put in place on the hydraulic lift cylinder.
5. Restart the tractor and lower the boom on to the boom transport rest.



Transport Lock In Storage Position On Boom Stabilizer Arm

HC Boom

The HC Boom uses five separate hydraulic cylinders which allow the operator maximum control of the boom. Boom components are controlled independently with the boom control box mounted on the tractor.

The switches on the control box operate the following boom functions:

- The Yellow middle switch control raises or lowers the complete boom.
- The Blue switch controls the folding of boom wings IN or OUT depending on the position of the switch.
- The RIGHT and LEFT switches, control the tilt of their respective wing UP or DOWN.



Control Box