



Final Assembly Instructions - Sidekick Backblade

- Step 1 You should receive the following for complete assembly
1 - Crate with assembled moldboard/accessories boxes.
- Step 2 Disassemble top framing of crate, leaving moldboard on crate.
Do not unstrap from crate until your ready to hook it up to the truck.
- Step 3 Install electrical harness and plugs on vehicle to be used as shown
in electrical instructions.
- Step 4 Remove the hitch insert from its shipping position and bolt on with insert
facing truck. Bolt on using the bottom hole on crossbar lined up with
bottom hole on insert with long side up. (this is a good position to start but
may need to change during final adjustments)
- Step 5 Fill hydraulic pump with fluid provided as shown in owners manual
Position truck about 3 or 4 inches from plow insert.
Plug in control and power connections to truck.
- Step 6 Unstrap blade from crate. Use caution as the blade may want to tip.
Run pump using controller switch. Ignition must be on. This step may be
easier with an assistant. Move switch down to raise crossbar and up
to lower crossbar until insert lines up with vehicle hitch. Back the truck up
until insert is fully into vehicle hitch tube.
- Step 7 Install hitch pin and secure with hitch pin clip. You may need to "bump"
controller switch up or down to align hole for hitch pin.
- Step 8 Once hitch pin is in place raise blade fully and remove shipping crate.
Now run blade up and down fully a couple of times to remove any air from
the hydraulic system.
- Note: Proper fluid level is 1" down from top of reservoir **WITH BLADE FULLY UP**
(a light will be useful in seeing fluid level), if level is adjusted with blade
down, fluid will be forced out of the vent when blade is activated.
- Step 9 Lower blade and look at frame on bothsides of the vehicle. Locate a
hole on both sides of the frame that the hook of the ratchet straps will reach
easily. Make sure there are no electrical wires or other such vehicle
components that will be in the way of the strap. Tighten ratchet straps to

take the side to side "play" out of the blade when it is in the raised position. The straps should go from the ratchet underneath the cross bar to the vehicle.

- Step 10 With the blade in the down position, with no down pressure, the tips of the wings should be approx 1/2" off the ground. Adjust arms by loosening arm connection bolt and toothed washer (loosen both arms at the same). Adjust until toothed washer will seat in matching teeth on upper arm and wing tip is 1/2" to 1" off floor. Tighten bolts on both arms.
- Step 11 Set wings to desired width by unbolting and sliding the wing in or out to the desired width. 84"-90"-96" . Put bolts back in and tighten .
- Step 12 Attach wing marker flags to both wings.
- Step 13 Now check all functions with the in cab controller.

Backblade is now installed and adjusted for plowing. Since this is a 2 arm system the blade raises and lowers on an "arc" not straight up and down like a 4 arm system, be sure to check edge wear occasionally and make any adjustments necessary to prolong the life of the edges.

There are a lot of height differences between vehicles. Adjust the insert height and the arm length to achieve a "happy medium" when blade is traveling between the up and down positions. Most important will be the down position with maximum pressure.