



Strip Freshener CC Quick Start Guide

Toolbar Start-up Sequence of Adjustments

- Adjust row unit depth
- Engage pneumatic system
- Properly set toolbar height and levelness
- Adjust row unit downforce
- Adjust toolbar wing downforce
- Adjust residue manager performance
- Adjust rolling basket performance

INITIAL SETTINGS

- Row Unit DF: 30 psi
- Row Cleaners: 0 psi
- Rolling Basket: 50psi UP

TYPICAL OPERATING SETTINGS

<u>REFRESHING</u>	<u>NEW</u>
<u>STRIPS</u>	<u>STRIPS</u>
Row Unit DF: 20-35psi	30-60psi
Row Cleaners: 0-40psi UP	0-25psi DN
Rolling Basket: 30-40psi DN	30-40psi DN

NOTE: Adjustments outside these ranges may be necessary for optimal performance for your conditions

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MACHINE OPERATION

Step 1. Adjust Row Unit Depth:

Set depth (approximate) on each row unit. Adjust screw adjust knob (15/16 wrench) to achieve your preferred depth. Adjustments can be made in 1/4" increments. Rotating the screw adjust knob clockwise will raise the gauge wheels making the units go deeper. Rotating the screw adjust knob counterclockwise will lower the gauge wheels making the units go shallower. The depth decal on the side of each unit is only a reference & NOT an actual depth in inches as to where the unit is set. For example, 3 does not mean 3 inches deep necessarily. Actual depth is determined by how low the cutting coulter is below the gauge wheels. Other factors can play in to setting the depth such as row cleaner and rolling basket settings.

Step 2. Engage Pneumatic System:

Engage the toolbar's compressor source. Allow the compressor to engage & complete 1 full cycle before applying pressure to any circuit. Hydraulic compressor should operate at 1,350 RPM. See operator's manual for adjusting hydraulic oil flow if needed. The Tank Pressure should always be above 100psi. **Set all adjustable circuits on cab control monitor to 0psi.**

Step 3. Properly Set Toolbar Height & Levelness

Fully lower toolbar and measure from bottom of toolbar to ground. **Proper height is 22"-26"**. To adjust toolbar height add or remove cylinder stops on main lift cylinders in center of machine. Use a bubble level placed on main 7"x9" toolbar to insure toolbar is level front to back. To adjust levelness raise or lower front cylinder on hitch to tractor drawbar. Once proper height and levelness are achieved the row unit parallel linkage should be parallel to the ground or slightly downhill from front to back. Check to be sure the toolbar is level side to side by placing bubble level on each section of 7"x9" toolbar frame. Adjust height of gauge wheels on each wing to insure levelness across entire width of toolbar.

Step 4. Adjust Row Unit Downforce

Apply row unit down force until each unit's ride is consistent, smooth, & correct depth is achieved. Row Unit Downforce should never be above 100psi. Row unit down force may need re-adjusted once the row cleaner and rolling basket are set properly. Push Row Lock down to lock pressure in circuit. To lower DF, pull regulator knob to unlock, rotate knob counterclockwise, pull row lock knob out for 3-5seconds, push row lock knob back in. Repeat as necessary until desired pressure is achieved & then push regulator knob in to lock. To add DF pressure, simply pull regulator knob out, rotate clockwise to desired pressure, & push regulator knob in to lock.

Step 5. Adjust toolbar wing downforce

Once the toolbar is level and correct row unit downforce is achieved set toolbar wing downforce via knobs on pressure gauges in center of machine. Operator observation should be utilized to insure gauge wheels on each wing maintain contact throughout the field and toolbar remains level across entire machine.

Step 6. Adjust residue manager performance

Fine tune the row cleaners by applying up or down pressure. Push/pull knob will be pushed in to apply down pressure and pulled out to apply up pressure. Turn down regulator knob or up regulator knob clockwise to increase and counter clockwise to decrease pressure. Row cleaners should only be cleaning residue from the strip & not engaging the soil.

Step 7. Adjust rolling basket performance

Once all other pressures, depths, and levelness are properly adjust then rolling basket performance may be adjusted. Apply pressure to rolling basket to condition strip & incorporate fertilizer if applicable. Row unit downforce may need readjusted once rolling basket is set.

Recheck depth of each row unit & adjust as needed. Check depth on each row by removing loose soil until bottom of each strip is found. For most accurate measurement, remove residue away from the top of soil surface next to each strip where measuring & measure from bottom of each strip to top of soil surface.

CAB CONTROL BOX OPERATION

ROW CLEANER UP PRESSURE CONTROL

PULL KNOB TO UNLOCK
TURN CLOCKWISE TO INCREASE AIR
TURN COUNTERCLOCKWISE TO DECREASE AIR
PUSH KNOB TO LOCK

ROW CLEANER DOWN PRESSURE CONTROL

PULL KNOB TO UNLOCK
TURN CLOCKWISE TO INCREASE AIR
TURN COUNTERCLOCKWISE TO DECREASE AIR
PUSH KNOB TO LOCK

ROW CLEANER PRESSURE GAUGE

ROW UNIT DOWFORCE PRESSURE CONTROL

PULL KNOB TO UNLOCK
TURN CLOCKWISE TO INCREASE AIR
TURN COUNTERCLOCKWISE TO DECREASE AIR (MUST ALSO PULL ROW LOCK TO DECREASE AIR & THEN PUSH TO LOCK AGAIN)
PUSH KNOB TO LOCK

ROW UNIT DOWNFORCE PRESSURE GAUGE

ROLLING BASKET PRESSURE GAUGE

ROLLING BASKET DOWN PRESSURE CONTROL

PULL KNOB TO UNLOCK
TURN CLOCKWISE TO INCREASE AIR
TURN COUNTERCLOCKWISE TO DECREASE AIR
PUSH KNOB TO LOCK

ROW CLEANER SELECTOR VALVE

PULL UP TO APPLY AIR TO
UP PRESSURE SIDE OF ROW
CLEANER CYLINDER
PUSH DOWN TO APPLY AIR
TO DOWN PRESSURE SIDE
OF ROW CLEANER CYLINDER

TANK PRESSURE FROM AIR SOURCE

MINIMUM OF 100PSI
MAXIMUM OF 145PSI

ROW LOCK

PULL UP TO VENT AIR IN ROW
UNIT DOWNFORCE CIRCUIT
PUSH DOWN TO LOCK AIR IN
ROW UNIT DOWNFORCE
CIRCUIT

ROLLING BASKET SELECTOR VALVE

PULL UP TO APPLY AIR TO UP
PRESSURE SIDE OF ROLLING
BASKET AIR CYLINDER
PUSH DOWN TO APPLY AIR TO
DOWN PRESSURE SIDE OF
ROLLING BASKET CYLINDER

ROLLING BASKET UP PRESSURE CONTROL

PULL KNOB TO UNLOCK
TURN CLOCKWISE TO INCREASE AIR
TURN COUNTERCLOCKWISE TO
DECREASE AIR
PUSH KNOB TO LOCK

