

Initial Operation Instructions—DO THIS



Do these exact steps with water to verify system is correctly installed and ready for field use. Note: When testing with water, the system will develop much less pressure than it will have with fertilizer, and all rows may not flow.

◆ Test the system in **MANUAL mode**.

1. Push the **AUTO/MAN** button until **MAN** is displayed on the Commander II. You are now in Manual mode.
2. Put the system in **RUN**. Turn the console switch to RUN or lower the implement if using a mercury Run/Hold Switch. When HOLD is not displayed on the screen the system is in RUN.
3. Turn dial to **VOLUME/MINUTE** position.
4. Close the recirculation knob on the pump. Open the Air Bleed valve on the pump. Be prepared to close the valve when water comes out.
5. Turn **Section 1 switch ON**.
6. Is a number displayed on the screen? Push and hold the (+) button. Does the flow increase? Push the (-) button. Does the flow decrease?
7. If no reading in VOLUME/MINUTE, is the pump turning and is there water present at the pump inlet?
NOTE: Feel if pump is vibrating to tell if it is running.
8. You must determine if pump is turning, then determine if you have an electric or a hydraulic issue. See Section G-Troubleshooting in the system manual to isolate electric vs. hydraulic issues.
9. If water is being pumped, but no reading on the Commander VOLUME/MINUTE, check the flowmeter connections and the Flow Cal value.

Step 3

Proceed to STEP 4 ONLY when you can increase and decrease the VOLUME/MINUTE reading using the (+) and (-) keys on the Commander II.

Step 4

◆ Test the system in **Test Speed (AUTO) mode**.

1. Enter calibration by pushing and holding the **CAL** button until **CAL** is displayed on the Commander II and the red light is on.
2. Push the **AUTO/MAN** button until **AUTO** is displayed, indicating you are in automatic mode.
3. Turn the dial to **Test Speed** in the bottom right corner. Use the + key to adjust to your field operating speed.
4. Turn Run/Hold switch on Commander II to **RUN**.
5. Turn Run/Hold **mercury switch to Run** by lowering the implement, unplugging it, or manually tilting the switch.
6. Turn at least **Section 1 switch ON**.
7. You should now be dispensing liquid as if you were traveling through the field at the test speed you entered. *The system will develop much less pressure with water than it will have with fertilizer. If the pressure is too low, not all of the check valves will open, and some rows may not flow.*

Proceed to the next step when liquid application is verified in AUTO mode.

◆ Verify the Commander II **Speed** is correct.

Turn the dial to **SPEED**. Drive the tractor. Does the speed reading seem reasonable and correct? The ASTRO II will be a more accurate speed than an un-calibrated tractor speedometer.

Proceed to the next step when your Commander II Ground Speed is correct

◆ You are now ready to verify regular field application.

See the complete system manual, 396-001460 or 396-5545Y1 (2022), for more information.

Step 5

NOTICE

Running these tests will dispense liquid. Be sure it is safe to dispense the liquid in your tank in this location.