

Fan Speed Adjustment

Fan speed (rpm) is available on the seed monitor. Have the seed monitor powered up for fan adjustments.

Refer to Figure 95

Fan shut-off valve (if present) must be open for fan to operate.

Hydraulic Fan Start-Up

With the fan shut-off valve open, and the tractor at a low idle speed, energize tractor hydraulics for fan. Lock hydraulic lever in place for continuous operation. Refer to your tractor operator's manual for instructions on operating hydraulic motor.

NOTICE

Machine Damage Risk:

Always **engage** the fan with tractor engine at **low rpm**. Engaging the fan when the tractor is at high speed may cause fan damage.

Check the fan speed with tractor engine at **field rpm**. Low/idle engine rpm may provide a false setting, as pump output is reduced.

Do not operate the fan above 5000 rpm at any time.

Check that the bottom of the fan rotor rotates toward the fan outlet port. If not, reverse the direction of the hydraulic flow from the tractor.

Run fan for at least 15 minutes before seeding. Hydraulic fluid must be warm before fan and wing down pressure will operate properly.

1. Check bin-lid and meter-box seals for air leaks. Adjust the latch or replace the seals to prevent leakage.

Note: It only takes a very small air leak to cause large variations in the seeding rate and pattern.

2. Advance tractor throttle to increase engine rpm to expected field range.

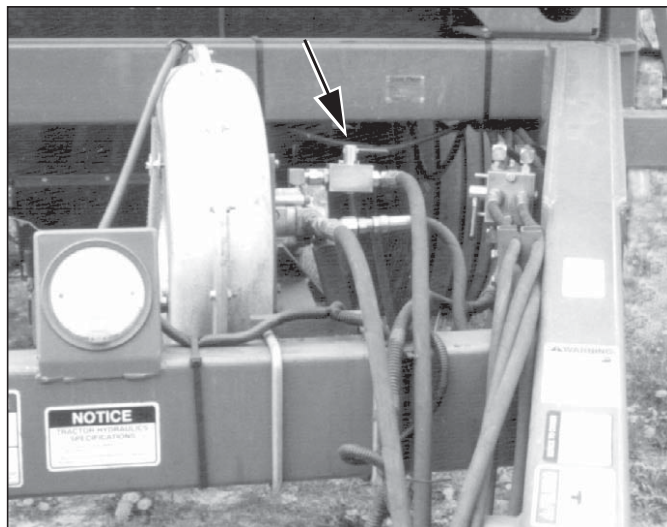


Figure 95
Y1078+ Fan Shut-Off

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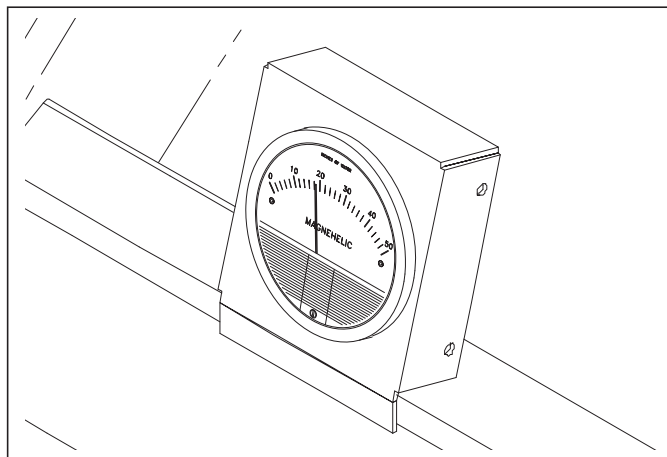


Figure 96
Fan Air Pressure

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3. Watch the seed monitor and adjust fan speed by increasing or decreasing hydraulic flow from the tractor. Use the following guidelines and the fan speed chart at right to properly adjust fan speed.
- Higher fan speeds improve seed distribution, but high fan speeds also increase the chance of seed damage and bounce.
 - At first, adjust fan speed to the high end of the range suggested in the chart at right. Watch for excessive seed cracking and seed bounce from the furrow, then reduce fan speed if necessary.
 - Follow the chart at right as a guide. Actual fan speeds vary with implement width, row spacing, seeding rates, seed weights and seed size. Increase fan speed for heavier seeding rates or seed. Reduce fan speed for lighter seeding rates and seed more prone to cracking.

Recommended Fan Speeds

Seeds	Fan RPM
Sunflowers	2250 - 3000
Wheat	3250 - 4000
Soybeans	2750 - 3500
Milo	3250 - 4000

Clutch Lock-Up

In the event of a mechanical or electrical failure of the clutch or its controlling circuit, the clutch may be mechanically locked in the engaged mode, with a user-supplied bolt and nut.

This permits completion of a planting session when repair or replacement is not an immediate option.

Note: When locked up, meters will continue supplying seed even with the drill raised. This can plug primary seed hoses.

For headland turns and short moves without seeding, stop, and disengage the meter gearbox clutches.

For longer moves, remove the lock-up bolt.

Refer to Figure 97

1. Obtain a bolt and nut:
#10, $1\frac{3}{8}$ to $1\frac{7}{8}$ inches long, or
M5 (5 mm), 3 to 4.8 cm long
2. At the clutch, align the outer case hole ① with the hasp ② welded on the inner case.
3. Insert the bolts and secure with nut.

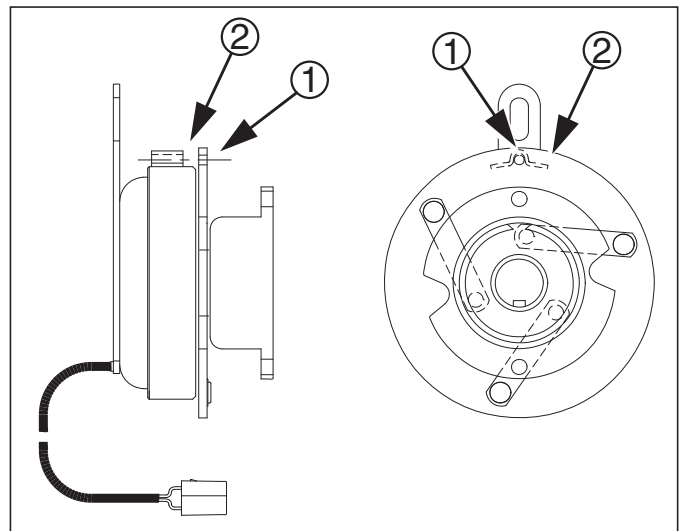


Figure 97
Electric Clutch Lockup

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