

QUICK-START GUIDE* for STRAWMASTER X

* Refer to operators manual for complete safety and operation info.



A Connect Hydraulics

- 1 WHEELS..... Wheel Height Cylinders
 - 2 TRANSPORT..... Transport Cylinders
 - 3 DISCS..... Disc Cylinders
 - 4 TINE ANGLE..... Harrow Section Cylinders
 - 5 LATCH & ENDWHEEL..... Latch/Steering Cylinders
- IMPORTANT:** Before working in field, lock the function to avoid accidental operation.
- 6 JACK..... Jack Cylinder

B Backing Into Field Position

Note: Ensure there is plenty of room behind and to the sides of the Strawmaster before backing into field position.

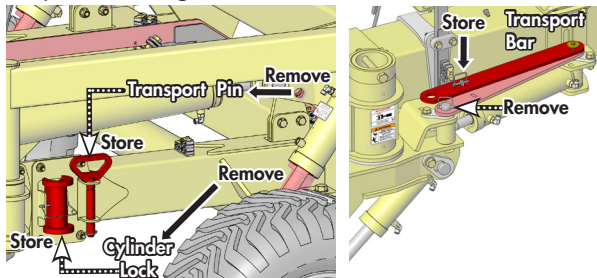
- 1) ENSURE jacks are raised prior to backing up.
- 2) REMOVE transport pins/bars and store.
- 3) SLIGHTLY open the transport wheels. (Only 20°)



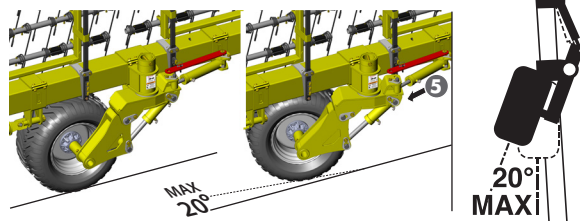
- 4) BACK-UP SLOWLY/EVENLY to avoid serious damage to transport wheels.
- 5) FULLY ROTATE end wheels BEFORE latching truss arm clamps.

- 6) Make sure truss arm LATCHES ARE FULLY ENGAGED before lowering harrow sections into field position.
- 7) When lowering harrow sections, keep TRAILER HEIGHT AT MAXIMUM.
- 8) Lower disc sections.

- 1) Raise hydraulic jack after connecting to the tractor.
- 2) Remove the front Center Beam Transport Pins, Cylinder Lock Bars, and Endwheel Transport Bars and place in storage locations.



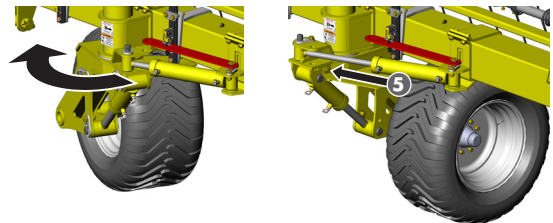
- 3) Activate the steering cylinders to slightly angle open the transport wheels, but no more than 20°.



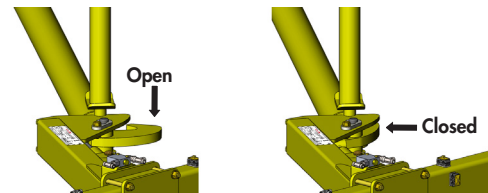
- 4) Back-up slowly. The wings will open up. Ensure there is lots of room behind and to the sides. Back-up evenly so you don't damage the transport wheels.

IMPORTANT: Be sure to back-up evenly to avoid serious damage to the transport wheels.

- 5) As wings are almost fully opened, FULLY ROTATE the end wheels into field position BEFORE completely open.



- 6) Activate the LATCH hydraulics to fully secure the truss arms into place. Make sure truss arm LATCHES ARE FULLY ENGAGED before lowering harrow sections into field position.



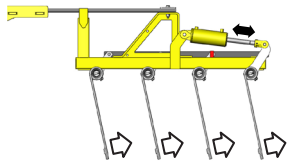
IMPORTANT: To prevent serious damage, ensure both latches have fully engaged and then LOCK-OUT the Latch & Endwheel circuit before operating.

- 7) Ensure the TRAILER HEIGHT is raised to MAXIMUM and then lower the harrow sections into field position using the Transport Cylinders.
- 8) Lower the disc sections using the Disc Cylinders.
- 9) Adjust Tine Angle, Trailer Height and Disc settings.

C Setting Tine Angle, Pressure, Frame, & Disc Angle

Tine Angle Adjustment

There are no standard angles for running the tines, the operator may adjust the tine angles as needed to achieve desired results.

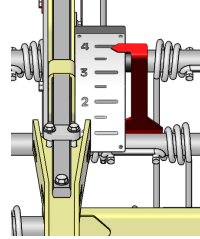


- Retract rephasing tine angle cylinders ④ to raise tines.
- Extend cylinders to lower.

Note: Actual settings will vary with tine wear. Ensure trailer and frame are leveled properly. (Refer to Height Adjustment)

IMPORTANT: Re-synchronize the tine section cylinders by fully extending the rephasing cylinders and holding for 30 seconds. This should be repeated a few times daily or as needed, especially in hilly conditions. - Refer to manual for more information. -

Tine Angle Indicator



- 4 Chemical Incorporation or Light Tillage
- 3 Harrowing in wet conditions or Discing in Sloughs
- 2
- 1

Trailer & Wing Beam Height Adjustment

After Tine Angle Adjustment is complete, adjust wheel height until trailer frame is parallel to the ground. If needed, clevis height may be adjusted.

When set level with harrows...



Front & back tines **apply equal** pressure

When set higher...



Front tines **apply less** pressure

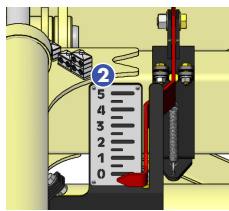
When set lower...



Front tines **applying more** pressure

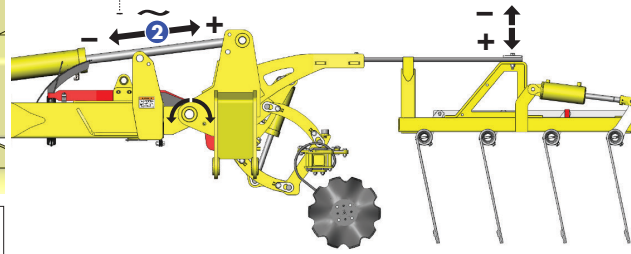
Center Beam Torque Adjustment

Beam Torque Indicator



- 5 Maximum Pressure
- 4 (Light Tillage)
- 3 Normal Harrowing
- 2
- 1 Minimum Pressure
- 0 (Spread Chaff & Residue)

NOTE: The applied beam torque shown on the indicator is adjusted by applying (+) or reducing (-) pressure with the Transport Cylinders. ②



Setting Disc Angle

- Loosen Jam Nuts.
- Adjust Turnbuckle.
- Re-tighten Jam Nuts.

(Each disc section is adjusted independently.)

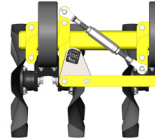


Disc Angle Indicator

0°-4° with a coultter disc will allow you to open the ground and cut trash with minimal soil disruption.

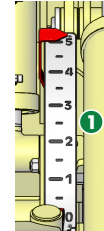
5°-7° is good for mixing some dirt with residue while loosening the soil but still leave stubble standing to catch snow.

8°-10° is perfect for working low spots with high trash and for drying them out.



Trailer Height Indicator

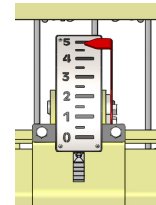
Adjust "Wheel Height Cylinders". ①



- 5 Adjust According to Tine Angle Setting
- 4
- 3
- 2
- 1
- 0 - Transport

NOTE: "0" indicates fully raised & "5" is lowest height.

Disc Depth Indicator

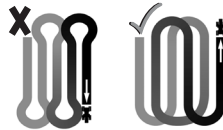


- 5 Adjust according to Cart Height & Disc Depth required.
- 4
- 3
- 2
- 1
- 0 - Transport

(For minimal tillage, use in float.)

Remember When Operating:

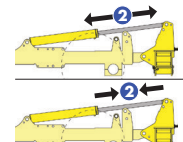
- Straw should be dry.
- A speed of 8 to 12 MPH (12 to 16 KPH) is suggested to efficiently shatter and spread straw and residue.
- Tight turns are **not recommended** with the discs engaged. If you are not lifting discs on headland turns, skip every 2nd pass.



- If discing aggressively, **DO NOT** have much straw in harrow sections.

- If machine leaves small clumps of straw, apply slight down pressure by extending Transport cylinders.

- If machine leaves large clumps of straw, reduce down pressure by retracting the Transport cylinders and reducing the tine angle.



Maintenance

(Check Machine Daily)

- Check for missing, worn or damaged parts
- Grease Endwheel Turrets & Truss Ball Joints (25 hrs)
- Working points & pins
- Hubs & Spindles
- Hydraulic Connections & Hoses
- Tire Pressure: 41 PSI (283 kPa)

* Refer to operators manual for complete safety and operation info.

D Moving Into Transport Position

1) When placing machine into Transport position, keep the Trailer Height at Maximum. ①

2) Raise disc sections. ③ **IMPORTANT:** Discs **MUST** be raised. Failure to do so will result in damage to disc sections.

3) Operate the transport hydraulics ② to fully raise the harrow sections.

4) Fully Rotate the endwheels ⑤ before driving forward. The wing beams should fold back into transport position.

5) Install all frame transport pins (2), cylinder lock bars (2), and endwheel transport bars (2).

IMPORTANT: Endwheel transport bars **MUST** be installed during transport.

6) Ensure SMV sign and reflectors are clean and lights are working. Follow all local transport laws when transporting.

E After Use / Storage

- Transport scissor jack **MUST** be lowered when machine is unhooked.