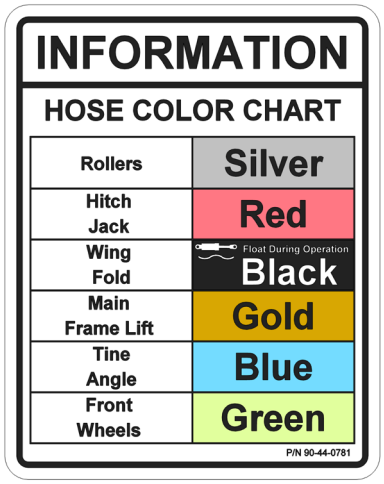
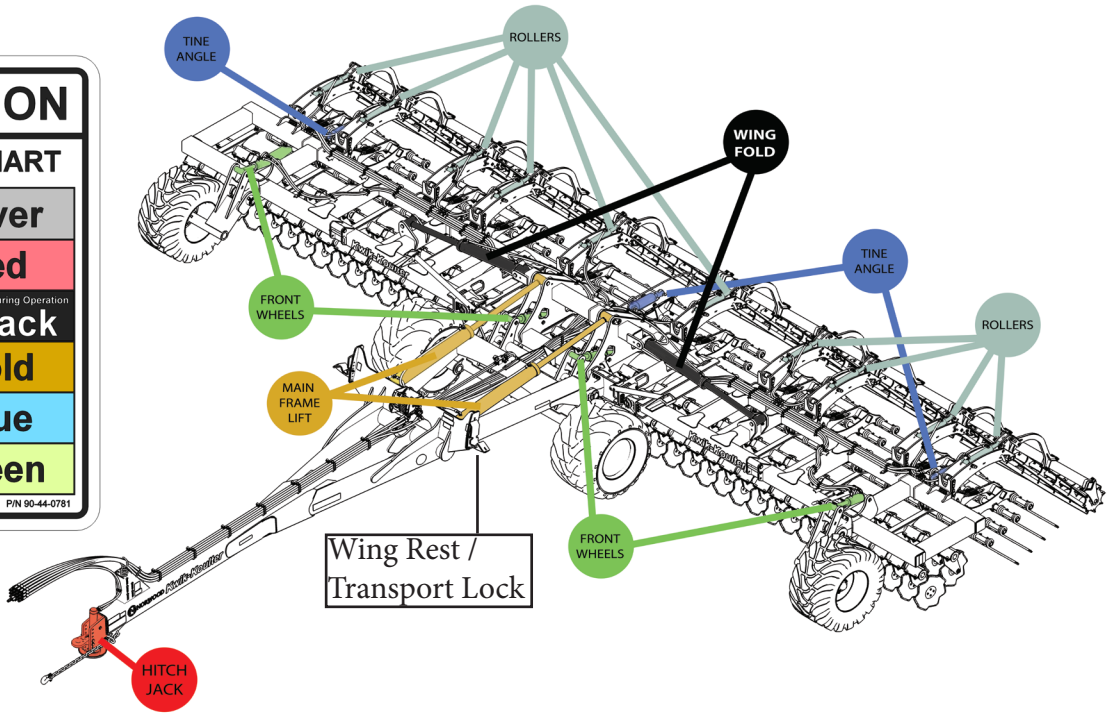
NORWOOD
Sales Inc.
11202 38th St S, Horace, ND 58047

Kwik Start Guide

Kwik-Koulter

Notes: This is an abbreviated quick start guide, please reference the Operator's Manual for complete instructions





MACHINE OPERATION

UNFOLDING OPERATION

1. Remove the **Transport Locks** from the **Locked Position** and install into the **Stowed Position**.

2. Extend the **Main Frame Lift Cylinders** until the **Wing Transport Rollers** can clear the **Transport Rests**.

3. Extend the **Wing Fold Cylinders** until the wings are aligned with the **Center Section**.

4. Extend the **Main Frame Lift Cylinders** to lower the toolbar. If equipped with rollers, retract the **Roller Cylinders** when the toolbar is at an 45° angle to raise the rollers.

Note: Creep forward with the tractor as the tines reach the ground to ensure they are set rearward.

5. Extend the **Main Frame Lift Cylinders** until the toolbar reaches the desired pitch. If equipped, extend the **Roller Cylinders** until the rollers reach the ground.

6. Set the **Wing Fold Cylinders** SCV to **Float Position**.

FOLDING OPERATION

1. Set the **Tine Angle** to 0°.

2. Place **Roller** SCV in the centered position.

3. Retract the **Main Frame Lift Cylinders** to raise the toolbar. If equipped with Rollers, stop when the toolbar reaches a 45° angle and place the **Roller** SCV in float position to lower the rollers. Continue to retract the **Main Frame Lift Cylinders** until they stop.

4. Retract the **Wing Fold Cylinders** to fold wings inward towards the **Transport Rests**. Ensure that the **Wing Transport Rollers** are high enough to clear the **Transport Rests**.

5. Retract the **Main Frame Lift Cylinders** until the **Wing Transport Rollers** rest in the T**ransport Rests**. Place the **Main Frame Lift & Wing Fold SCVs** in **float** temporarily to relieve pressure from the system.

6. Remove the **Transport Locks** from the **Stowed Position**, and install into the **Locked Position**.

MACHINE ADJUSTMENTS & INDICATORS

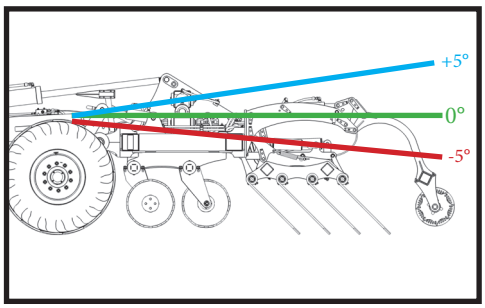
MAIN FRAME PITCH

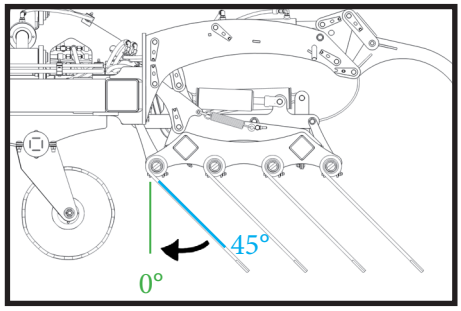
0° - Center bar front to back is level with the hitch main tube

Blades front and rear at same depth.

-X° (Down) - Rear blades down further than the front & added pressure to the spring tines

+X° (Up) - Front blades down further than rear and relieves some pressure off the tines





TINE ANGLE

0° – Maximum Spring Pressure Applied

45°– Minimum Spring Pressure Applied

ROLLER DOWN PRESSURE

Rollers can be:

Retracted & Raised off the ground with a lock pin.

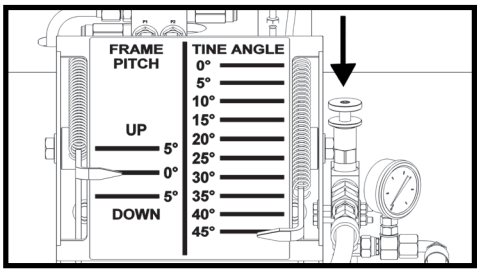
Lowered with the circuit in float for clump & clod sizing.

Lowered with down pressure applied for optimal field finish.

Tractor SCV remote for the rollers must be place in constant flow mode to apply down pressure.

*Downforce is adjustable from 100-400 psi

*Norwood recommends reducing SCV flow to 20% to reduce hydraulic requirement.



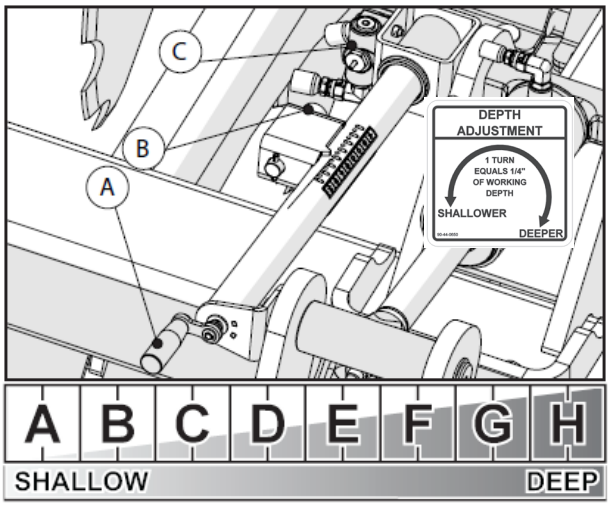
SINGLE POINT DEPTH CONTROL OPERATION

1. Extend the Front Wheel Cylinders until they are fully extended.

2. Make the disk depth adjustment by turning the Single Point Depth Control crank (A) clockwise to reduce the working depth, and counterclockwise to increase the working depth.

3. Retract the Front Wheel Cylinders until they stop. The SPDC depth control plunger (B) will come in contact with the SPDC Valve (C) stopping the flow of hydraulic fluid which sets the disk depth.

4. Make a pass at depth and check the penetration depth of the Front & Rear disks. Adjust disk depth and main frame pitch as required.



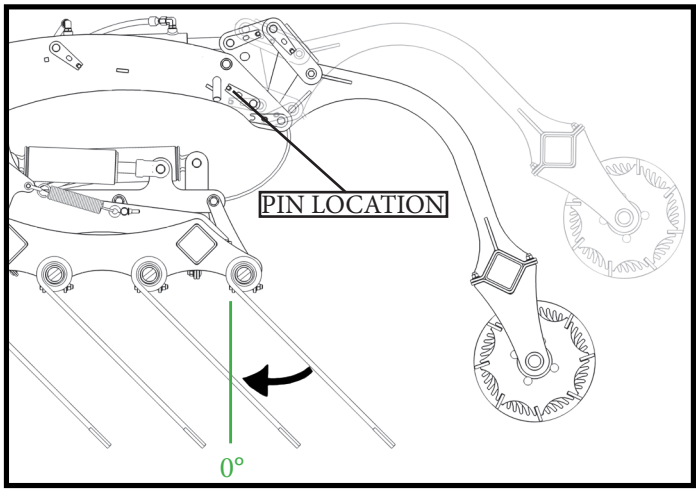
IN-FIELD OPERATION

1. Ensure that the Wing Fold SCV is placed in the Float Position before operating the machine in the field to allow the toolbar to contour.

2. Operate the tillage unit at speeds of 10-15 mph for best results.

3. Operate the tillage passes at a 7°-12° angle from the previous planted crop to reduce wear on the machine.

4. Never use Main Frame Lift during headland turns. Norwood recommends to use skip passes and to leave the toolbar in the ground and operating speeds of 7 mph when turning at the headlands.



Wheels are shown in rolling position, phantom shown of floating position.