SDX30 Single Disk No-Till Air Drill

Operator's Manual

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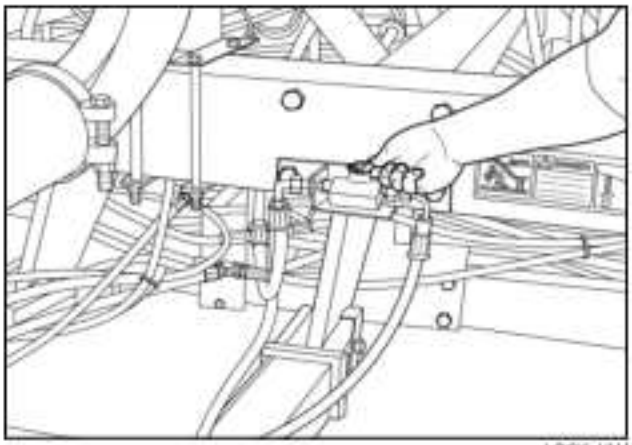
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Unfolding The Drill



LOCK_VLV

To unfold the drill for field operation, do the following:

1. Make sure the tractor and drill have been set up in accordance with the previous sections of this manual.
2. With the machine on level ground, place the tractor transmission in "Park" and/or set brakes. Shut off the engine and remove the key.
3. Turn the transport lock valve into the open position.
4. Start the tractor engine and with the wing area clear of bystanders and other objects, move the remote control level assigned to the wing hydraulics to unfold the wings and fully extend cylinders.

WARNING: *Keep everyone clear of the machine when folding or unfolding wings.*

WARNING: *Be sure cylinder and attaching hoses are fully charged with oil before operating system. Failure to do so will allow wings to fall rapidly.*

WARNING: *To avoid injury or death, do not contact electric lines.*

WARNING: *To avoid injury or death stand clear or machine when wings are being folded or unfolded. Mechanical or hydraulic failure can allow wings to fall rapidly.*

WARNING: *To avoid injury or death, do not adjust while machine is in motion.*

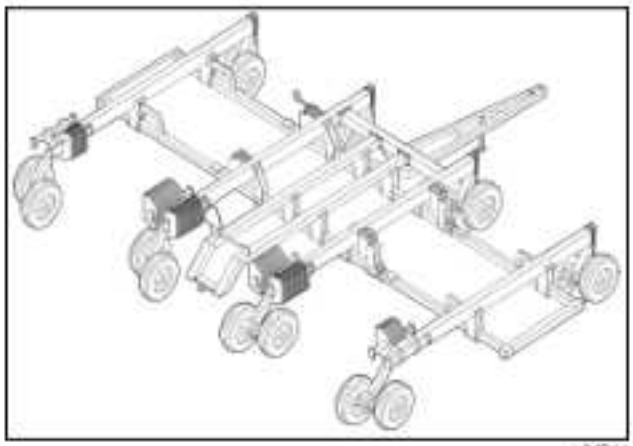
WARNING: *To avoid injury or death, ensure mechanical lock-up hardware in installed before transporting or servicing machine. Hydraulic failure can allow openers to fall rapidly.*

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OTHER CONFIGURATIONS/ATTACHMENTS

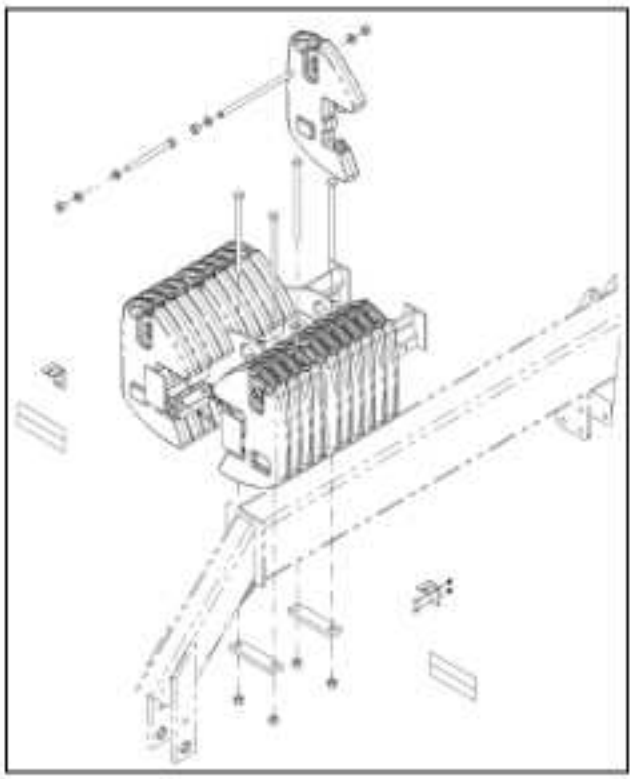
Weight Package

On the 7.5" (190.50 mm) drill, certain conditions may require the addition of weight to the rear of the toolbar. If the drill does not adequately penetrate in hard ground, up to 4000 lbs (1814.4 kg) can be added to the rear of the main frame of the drill. 500 lbs (226.8 kg) can be added to each wing if markers are not mounted on the drill.



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The mounting location of the weight is critical. Therefore, only the weight brackets specifically designed for the SDX30 should be used to add weight. The brackets are available from your CASE IH dealer and should be mounted as far rearward as possible on the 6" x 10" (152.4 mm x 254.0 mm) beams. The brackets will accept standard CASE IH tractor weights (p/n 234383A2 and 134823C1).



SDX_OP_29_BOT

If weight is added to the 7.5" (190.50 mm) spacing drill, certain precautions must be taken. The opener down pressure should be set as low as possible while achieving adequate penetration. Excessive down pressure applied to the opener may shorten the life of the opener. Excess weight should be carried by the toolbar wheels, not the openers. The transport speed should not exceed 20 mph (32.2 km/h) to reduce the risk of structural damage to the frame, boggies, and tires. The weights should be removed for transport trips over 20 miles (32.2 km).

Weight should not be added to the 10" (254.0 mm) spacing drill.

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MACHINE LUBRICATION/MAINTENANCE CHART

LOCATION	SERVICE POINTS	NO. OF POINTS	FREQUENCY IN HOURS				
			GREASE	TIGHTEN	CHECK	CLEAN	LUBRICATE
1	Wheel Hub (Note 1	+++			500	500	500
2	Wheel Hub Bearing (Note 2)*	3			500		
3	Wheel Pivot Bearings (Note 3)	2	50		250		
4	Opener Hub Bearing (Note 4)	2	250				
5	Caster Wheel Pivots (Note 5)	3	50				
6	Jack Stand (Note 6)	++	YEAR				
7	Tire Lug Bolts (Note 7)	112		100			
8	Gauge Wheel Bolts (Note 8)	48/36		50			
9	Opener Disk Hub Bolts (Note 9)	48/36		50			

NOTE 1: The seals used in the wheel bearings are single lip.

NOTE 2: The wheel bearings on each wheel and pivot pin must be dissembled, cleaned and lubricated once each year or every 500 hours or operation whichever occurs first. See Wheel Bearings and Pivot Pins in this manual.

NOTE 3: The seals used in the wheel pivot pin bearings can be damaged by pressure lubrication or over lubrication.

NOTE 4: The seals used in the opener hub bearings can not be damaged by pressure lubrication or over lubrication. Always apply enough new grease to flush out the old grease and dirt.

NOTE 5: There are no seals in the caster wheel pivots. Ensure there is adequate grease through the 360 degrees of the king pin housing at all times.

NOTE 6: The hitch jack stand should be lubricated before each season.
Always use Case IH 251H-EP, available from your Case dealer in the following quantities:

132096A1 ..... 14.5 ounce (411.08 grams) tube
132098A1 ..... 35 lb (15.88 kg) tube
132097A1 ..... 120 lb (54.43 kg) tube

NOTE 7*: Check wheel lug bolts after 1st 100 acres of operation.

NOTE 8*: Check gauge wheel bolts after 1st 100 acres of operation. Apply Loctite 242 Thread Locking Compound after disassembly and re-assembly of gauge wheel.

NOTE 9*: Check opener disk hub bolts after 1st 100 acres of operation.

*Refer to the Fastener Torque Chart for the appropriate torque values.

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