SDX40 Single Disk No-Till Air Drill

Operator's Manual

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SPECIFICATIONS

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SAFETY

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CONNECTING

REQUIREMENTS

Hydraulic Pressure

A minimum of two selective hydraulic control valves for wing folding and opener ground engaging. The tractor hydraulic system must develop a minimum pressure of 15167 kPa (2200 psi) for the lift cylinders.

Hitch

The tractor must be equipped with a draw bar that can be locked in a stationary position.

Electrical System

The tractor must have a 12 volt DC electrical system.

NOTES: Connect the drill to the tractor draw bar only. Do not connect the drill hitch to any other part of the tractor.

Before connecting the drill to the tractor draw bar, raise the tractor three point hitch to prevent interference between the hitch and the drill.

The openers on the SDX40 machine are set-up in a row crop configuration. This configuration results in an extra opener being placed on the left hand side of the drill. Markers should be adjusted accordingly or the tractor drawbar should be shifted 9.5 cm (3 3/4") to the right for 19.0 cm (7.5") drill or 12.7 cm (5") for the 25.4 cm (10") drill. This will center the drill along the center line of the tractor.

IMPORTANT: The 38.1 cm (15") drill has an odd number of openers, therefore the tractor drawbar should remain in the centered position.

WARNING!



Rear upset can result if pulling from the wrong location on the tractor. Hitch only to the drawbar. Failure to follow this warning could result in death or serious injury.

WARNING!



Make sure that the weight of a trailed vehicle that is not equipped with brakes, NEVER EXCEEDS the weight of the machine that is towing the vehicle. Stopping distance increases with increased speed as the weight of the towed load increases, especially on hills and slopes. Failure to follow this warning could result in death or serious injury.

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CALCULATING THE MINIMUM TOWING VEHICLE WEIGHT FOR SAFE TRANSPORT

1. Add the weight of all the towed equipment together. If you are transporting a drill which is connected to an air cart, add the two weights together.

NOTE: The table below is only an example of towed equipment weights. Refer to the Specifications Section in the Air Cart Operator's Manual for the air cart weight.

NOTE: If you are transporting a tow behind air cart, it is preferable to transport with the air cart tanks empty. However, it is realized that this is not always practical.

TOWED EQUIPMENT	EXAMPLE
230 Bushel AIR CART (Full with wheat @ 48 lb/ft³)	9,700 kg (21,350 lb)
SDX40 Single Disc Drill (7.5" Spacing)	11,600 kg (30,500 lb)
TOTAL COMBINED WEIGHT	21,300 kg (51,850 lb)

Estimated Towed Equipment Weights

2. Divide the total combined weight of the towed equipment by **1.5** to determine the minimum towing vehicle weight required for safe transport.

EXAMPLE: $\frac{21,300 \text{ kg } (51,850 \text{ lb})}{1.5}$ = 14,200 kg (34,560 lb) = minimum towing vehicle weight required for safe transport

3. Refer to the towing vehicle Operator's Manual to determine if its weight is greater than the minimum vehicle weight required.

NOTE: If the towing vehicle's weight is not greater than the minimum vehicle weight required, you must do one of the following:

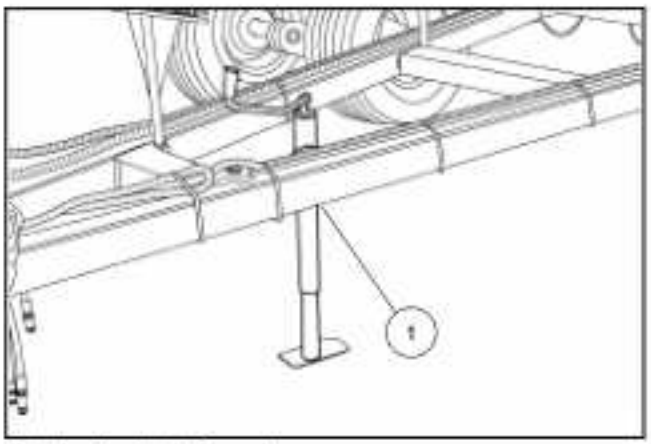
- Transport the drill and the air cart separately.
- If you are transporting a tow behind air cart, transport with the air cart empty.

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YEARLY MAINTENANCE

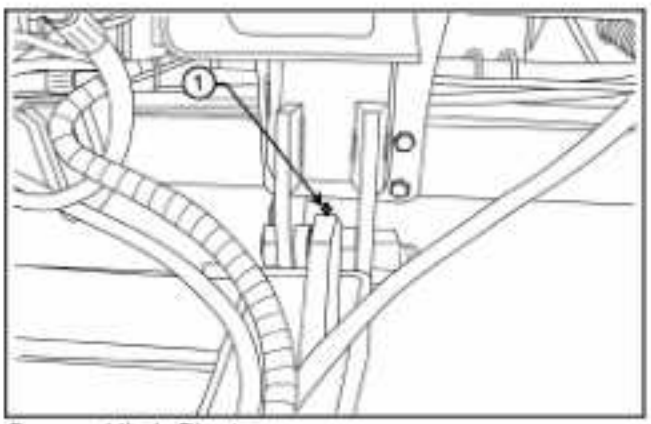
1. Perform all daily, weekly, monthly, and semi-annual maintenance items.

2. Grease the jack stand.



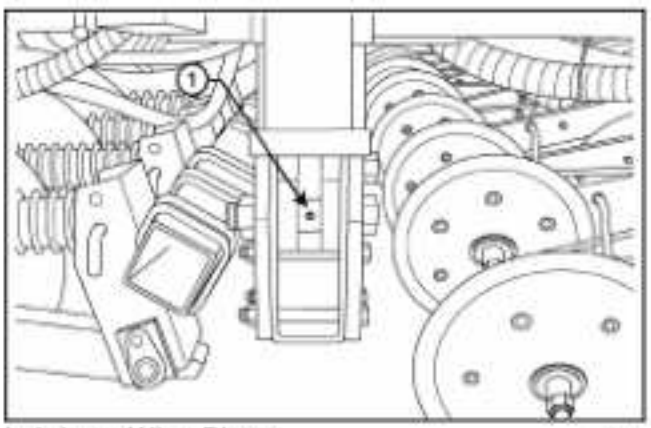
Lubricate Jack Stand

3. Lubricate the hitch pivot. There is a grease location on each of the hitch arms.



Grease Hitch Pivots

4. Grease wing pivots. There are two locations per side.

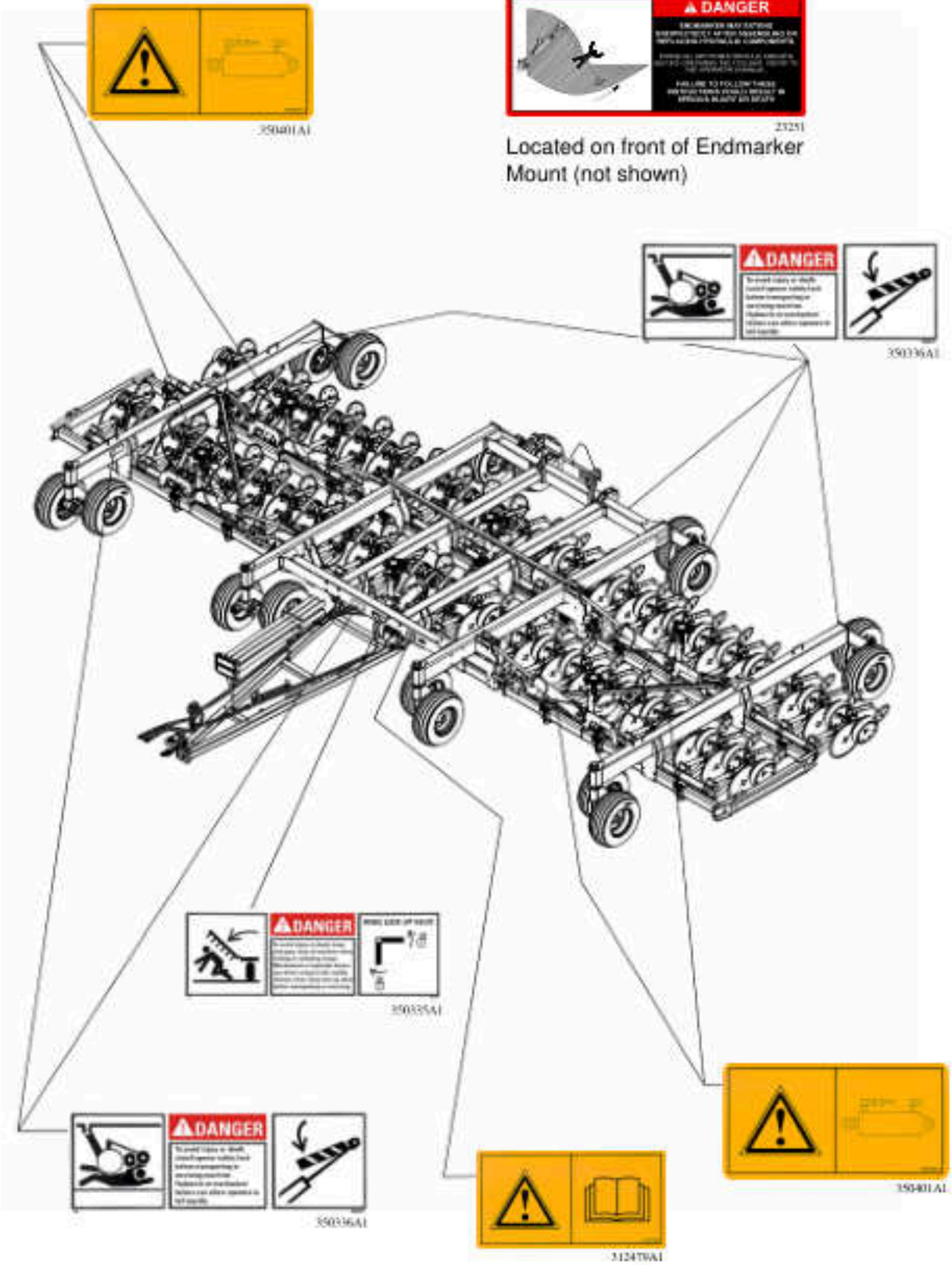


Lubricate Wing Pivots

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DECAL LOCATIONS

The following safety decals are affixed to the drill.



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