Flex Hoe™ 400 Air Drill

Y5S003167 and after

OPERATOR'S MANUAL

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CASE IH AGRICULTURE

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Calculate the minimum towing vehicle weight for safe transport

As a general rule, the weight of the towed equipment should be less than or equal to the weight of the towing vehicle. Under no circumstances should the weight of the towed equipment be more than 1.5 times the weight of the towing vehicle.

To calculate the minimum towing vehicle for safe transport, add the weight of all the towed equipment together. Therefore, if you are transporting a seeding tool that is connected to an air cart, add the two weights together.

NOTE: *The table contains examples of towed equipment weights. See* ***8-3*** *for the seeding tool weight, and your air cart operator's manual for its weight.*

Table 1

Minimum towing vehicle weight

		EXAMPLE
Component	**15,135 l** (**430 Bu**) air cart (empty)	**5,030 kg** (**11,090 lb**)
Seeding Tool	**17.3 m** (**57 ft**) drill with **350 lb** trips at **18.2 cm** (**7.2 in**) spacing	**13,800 kg** (**30,420 lb**)
	TOTAL	**18,830 kg** (**41,510 lb**)

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

EXAMPLE: **18,830 kg** (**41,510 lb**) divided by 1.5 = **12,550 kg** (**27,670 lb**) = the minimum towing vehicle weight required for transport of 430 bushel cart with an air drill.
See the towing vehicle Operator's Manual to determine if its weight is greater than the minimum vehicle weight required.

NOTE: *Transport the drill and the air car separately if the towing vehicle has inadequate weight.*

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FIELD OPERATION

Depth adjustment

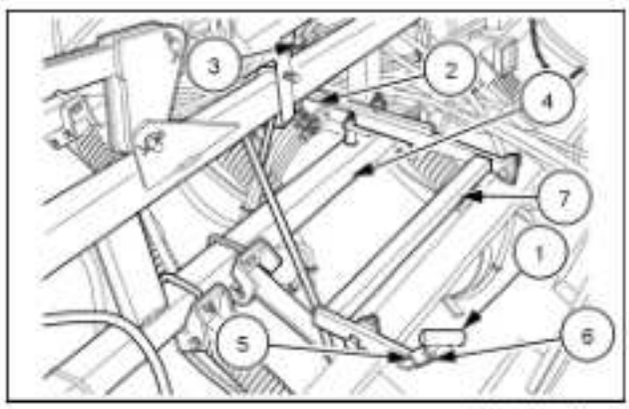
Two depth stop valves **(2)** are fastened to the center section fourth bar **(4)**. As the machine is lowered, the depth stop arm attached to the center section rockshaft **(3)** moves toward the bottom depth stop valve. When the shut-off needle on the depth stop arm contacts the depth stop valve, the depth stop valve closes, stopping the air drill frame at the set operating height. By extending or contracting the depth adjustor screw, the operating height can be changed as required. With the depth adjustor preset, the air drill can operate at the preset operating depth.

The top valve shut-off point is set by the bolt **(7)** on the lower leg of the depth stop arm. This must be set so that cylinders will extend a maximum of **59 cm** (**23 1/4 in**) before valve shuts off oil flow. The remaining **20 mm** (**3/4 in**) of stroke must be left so that the cylinders can exchange oil and move slightly as frame follows undulating ground in transport. The frame must remain flexible in transport.

NOTE: *Be sure the air drill is in the raised position before turning the depth adjustor screw.*

Before setting the air drill depth:

1. Be sure machine has been levelled from front to back and side to side. See **6-9**.
2. Be sure tires have correct operating pressure. See **8-7**.
3. Set the operating depth of the air drill using the depth adjuster screw **(1)** located on the center section rock-shaft.
4. To adjust the screw:
   A. Loosen the depth arm jam **(6)**.
   B. Turn the screw clockwise to extend the screw rod **(5)**, which raises the air drill operating position. Turn the screw counterclockwise to contract the adjustor rod, which lowers the operating position.
   C. Tighten the depth arm jam.

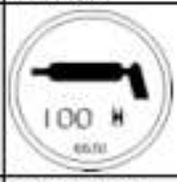


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Grease decal reference

The grease locations have color coded decals for the frequency of lubrication. Refer to the chart for the color coding

	COLOR CODING			
	WHITE	LIGHT BLUE	SILVER	LIGHT GREEN
GREASE DECAL				
FREQUENCY OF LUBRICATION	10 hours (Daily)	50 hours (Weekly)	100 hours (Semi-Annually)	200 hours (Yearly)

Consumables

MULTI-PURPOSE GREASE EP / AW / NLGI 2
FLUID FILM®

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