

John Deere KBA Disk Harrow



OPERATORS MANUAL

John Deere KBA
Disk Harrow

OMB25040 Issue B0 English

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LITHO IN U.S.A.
ENGLISH



TO THE PURCHASER

Your new disk harrow is sturdy and dependable. It will give long and efficient service if given proper care and operation.

This operator's manual is provided to furnish information on the proper operation, adjustment, maintenance, and lubrication of your new disk harrow.

When in need of parts, see your John Deere dealer. He will furnish genuine John Deere Parts and prompt and efficient service in the field or in the shop.

Right-hand and left-hand reference is determined by standing at the rear of the disk harrow and facing the direction of travel.

The warranty on this disk harrow appears on your copy of the purchase order which you should have received from your dealer when you purchased the disk harrow.

Study this manual carefully. Keep it handy, in a safe place, for future reference.



This safety alert symbol identifies important safety messages in this manual.

When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

PARTS ORDERING INFORMATION

Record below the size of your disk harrow and disk blades, the date purchased, and serial number.

The serial number plate is located on the front main frame. Referring to the model and serial number when ordering parts will assist your John Deere dealer in giving you prompt, efficient service.

DISK HARROW SIZE

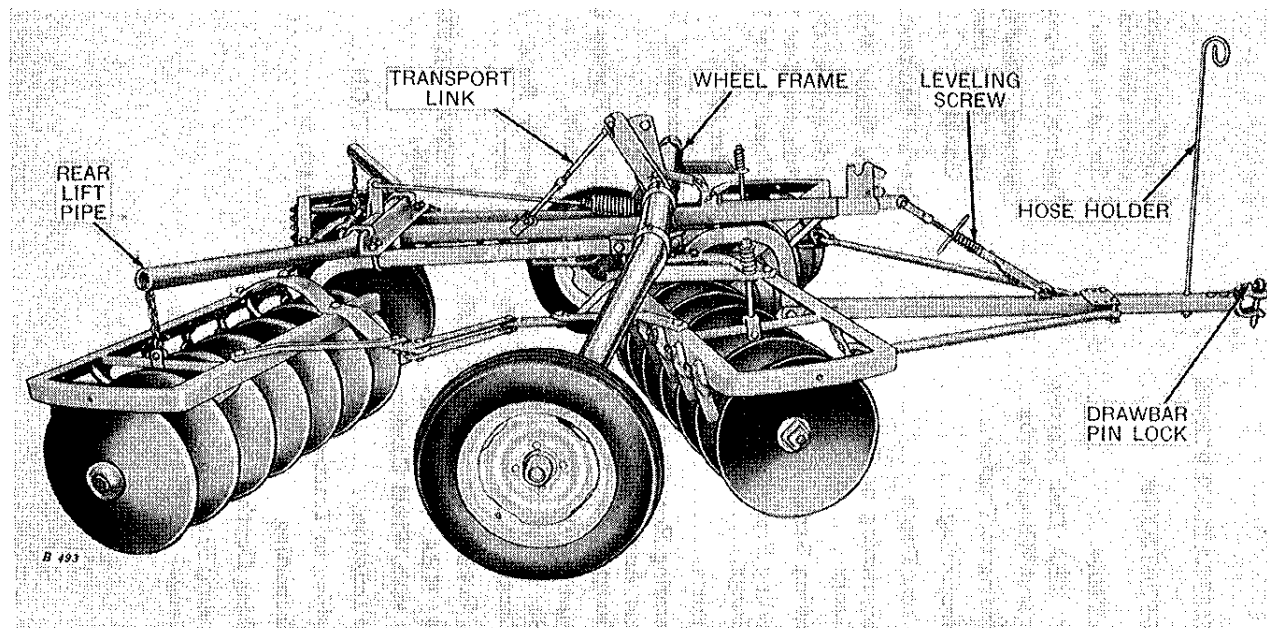
7-Ft. 6-In.
8-Ft. 8-In.
9-Ft. 10-In.
11-Ft.
12-Ft. 2-In.

Serial No. _____

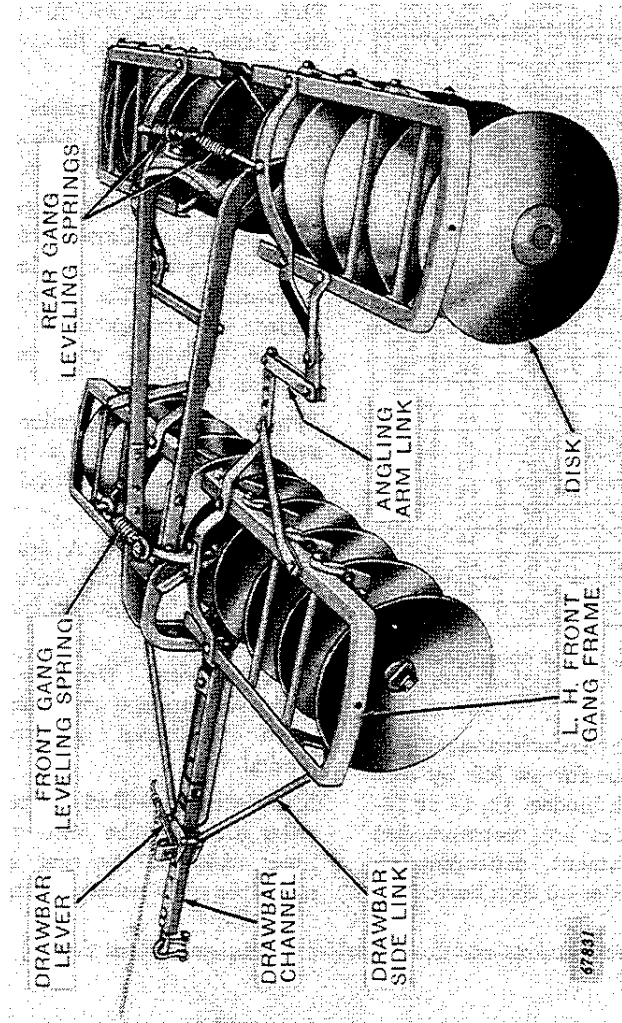
Date Purchased _____

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*John Deere KBA 8'8" Disk Harrow with Wheel Carrier
(Disk Harrow in Transport Position)*



John Deere KBA 6'4" Disk Harrow
 (Disk Harrow in Transport Position)

SPECIFICATIONS

Disk Harrow Model	Actual Width of Cut	Disk Spacing	No. of Disks	Size of Disks
KBA 2016	6' 4"	7-1/8"	20	16
KBA 2018	6' 4"	7-1/8"	20	18
KBA 2020	6' 4"	7-1/8"	20	20
KBA 2416	7' 6"	7-1/8"	24	16
KBA 2418	7' 6"	7-1/8"	24	18
KBA 2420	7' 6"	7-1/8"	24	20
KBA 2816	8' 8"	7-1/8"	28	16
KBA 2818	8' 8"	7-1/8"	28	18
KBA 2820	8' 8"	7-1/8"	28	20
KBA 3216	9' 10"	7-1/8"	32	16
KBA 3218	9' 10"	7-1/8"	32	18
KBA 3220	9' 10"	7-1/8"	32	20
KBA 3616	11' 0"	7-1/8"	36	16
KBA 3618	11' 0"	7-1/8"	36	18
KBA 3620	11' 0"	7-1/8"	36	20
KBA 4016	12' 2"	7-1/8"	40	16
KBA 4018	12' 2"	7-1/8"	40	18
KBA 4020	12' 2"	7-1/8"	40	20
KBA 4416	13' 4"	7-1/8"	44	16
KBA 4418	13' 4"	7-1/8"	44	18
KBA 4420	13' 4"	7-1/8"	44	20
KBA 4816	14' 6"	7-1/8"	48	16
KBA 4818	14' 6"	7-1/8"	48	18
KBA 4820	14' 6"	7-1/8"	48	20

NOTE: All of the above sizes are available with or without straight scrapers.

Furrow Filler Attachment—Will fill and level the furrow left by rear gang outer disk blades. 12, 14 or 16-inch disk blades are recommended for this attachment, depending on size of disk blades on disk harrow.

Outside Furrow Leveling Blade—This attachment will fill and level the furrow left by the outer rear gang disk blades.

Wheel Carrier—A wheel carrier is available for the 7-foot 6-inch through the 12-foot 2-inch.

Hydraulic Control Adapter (Not Used on Wheel Carrier Harrow)—A remote hydraulic cylinder adapter is available so the gangs can be angled or straightened with the remote hydraulic cylinder control lever on the tractor.

Trailer Hitch—A trailer hitch is available for pulling a packer or spike-tooth harrow behind the disk harrow.

Middlebreaker — A spring-tooth middlebreaker which cuts out the center strip left by the front gangs is available.

Gang Frame Weights — Gang frame weights are available in pairs when additional penetration is needed.

End Scrapers—End scrapers for the outer disks on the front gangs and inner disks on the rear gangs are available when needed in sticky soils.

(Specifications and design subject to change without notice.)

OPERATION

MODEL "KBA" DISK HARROW WITHOUT WHEEL CARRIER

HITCHING TO TRACTOR.

When using a John Deere Tractor with the Model "KBA" Disk Harrow, place the tractor drawbar in the long, low position, and leave drawbar free to swing except when transporting the disk harrow.

When using other tractors with the John Deere Model "KBA" Disk Harrow, position the tractor drawbar so the disk harrow drawbar is parallel with the ground.

TRANSPORTING.

Lock the tractor drawbar in a fixed position when transporting disk harrow.

Straighten the gangs when transporting the disk harrow on the road, or to and from the field.

⚠ CAUTION: When transporting the disk harrow on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

Do not transport the disk harrow over 12 miles per hour.

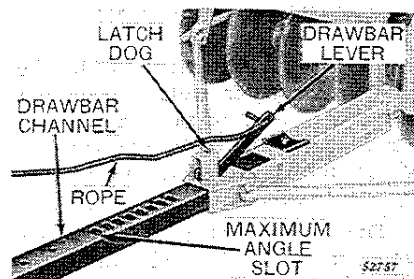
DISKING DEPTH.

The angle of the gangs will determine the disking depth. For maximum penetration set the gangs at the full cutting angle.

STRAIGHTENING OR ANGLING THE GANGS.

The gangs can be straightened for transporting disk harrow, crossing grass waterways, or to prevent clogging in extremely trashy conditions.

The gangs can be angled in any one of several positions depending on amount of penetration desired.



Gangs Straightened

To straighten gangs pull drawbar lever rope while moving forward or back tractor until gangs are straight then pull rope, and drive forward.

The gangs will be straight when latch dog is engaged in rear slot of drawbar channel and disk harrow is moved forward.

To angle gangs from a straight position, pull drawbar lever rope while backing tractor and engage latch dog in one of the slots in the drawbar channel. (The gangs will be in full cutting angle when latch dog is engaged in front slot of drawbar channel.) Release rope and drive forward.

To reduce the angle of the gangs from a full cutting angle, pull drawbar lever rope, move tractor forward until disk gangs are in desired angle and release rope so latch dog can engage nearest slot in drawbar channel.

CLEARING GANGS.

If the gangs clog up in extremely trashy conditions, they can be cleared quickly by merely backing tractor without pulling the rope. This straightens the gangs and clears the trash. Gangs can also be straightened enough to relieve load when in danger of stalling tractor by pulling trip rope while moving forward.

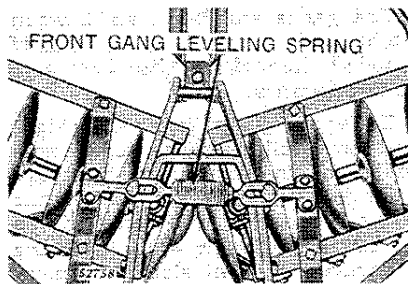
In certain disking conditions it may be necessary to reduce the angle of the gangs to prevent clogging of the gangs.

LEVELING FRONT AND REAR GANGS.

Due to the curvature of the disk blades the outer ends of the front gangs will tend to penetrate deeper than the inner ends. On the rear gangs the inner ends will tend to penetrate deeper.

The amount of penetration will vary in different soil conditions. Therefore, the gangs can be adjusted to cut level regardless of soil conditions.

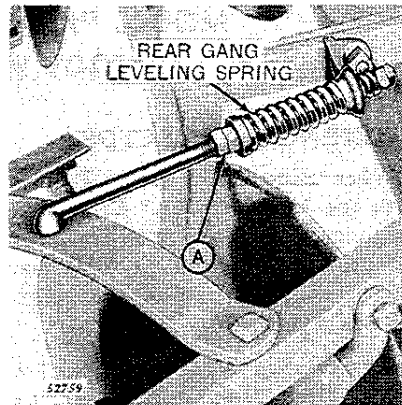
Leveling Front Gangs.



Leveling Front Gangs

If the outside ends of the front gangs cut too deep, increase the tension on the front gang leveling spring. If the inside ends cut too deep, decrease the tension on the front gang leveling spring.

Leveling Rear Gangs.



Leveling Rear Gangs

Each rear gang has a leveling spring adjustment. If the inside end of either rear gang cuts too deep, increase the tension on the rear gang leveling spring by tightening nuts at "A" (left-hand rear gang illustrated). If the outside end cuts too deep, decrease the tension on the leveling spring.

Tighten lock nut securely after adjusting leveling spring.

SCRAPERS.

If disk harrow is equipped with scrapers, adjust each blade so the scraping edge of blade is flush against disk and makes good contact its entire width.

If scrapers are set too tight against disk blades they will prevent gangs from revolving freely.

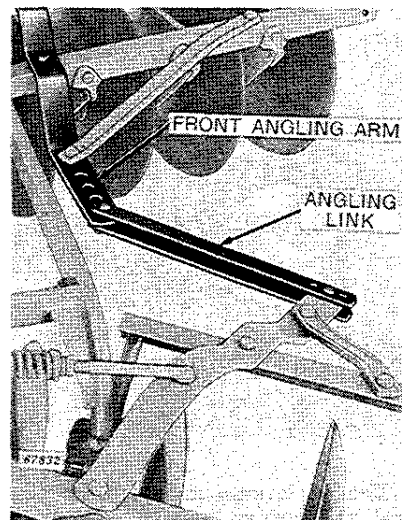
OPERATING REAR GANGS AT LESS ANGLE THAN FRONT GANGS

7-Foot 6-Inch, 8-Foot 8-Inch, 9-Foot 10-Inch, and 11-Foot Sizes Only.

In soft soil or trashy conditions it is sometimes desirable to change the angle of the rear gangs in order to do a better job of leveling.

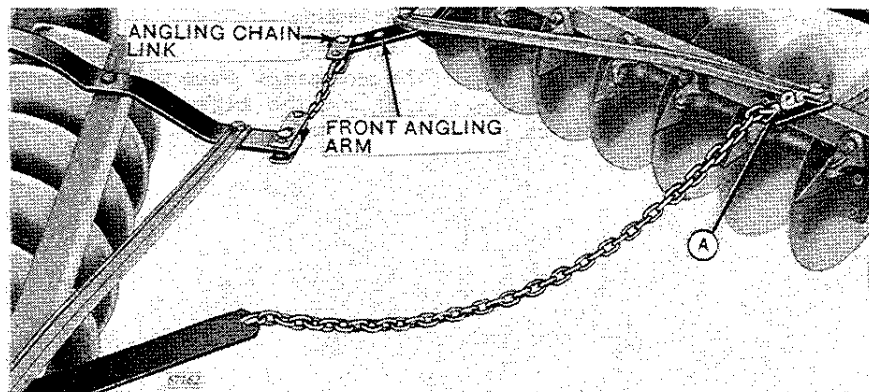
When inside end of angling links are pinned in front angling arms (right-hand side illustrated) the rear gangs will assume the same cutting angle as the front gangs.

To reduce penetration of the rear gangs, and not affect the front gangs, pin the angling links to one of the three forward holes in the front angling arms.



Angling Rear Gangs

12-Foot 2-Inch Size Only.



Angling Rear Gangs

In soft soil or trashy conditions it is sometimes desirable to change the angle of the rear gangs in order to do a better job of leveling.

When the inside end of the angling chain links are attached to the rear holes in front angling arms (right-hand side illustrated) the rear gangs will assume the same cutting angle as the front gangs.

To reduce penetration of the rear gangs, and not affect the front gangs, pin the angling chain links to one of the three forward holes in the front angling arms.

Adjust the long chain at "A," so there is a little slack in the chain when disk gangs are set at the desired cutting angle.

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