

JOHN DEERE MODEL "KCA" DISK HARROW



OPERATORS MANUAL JOHN DEERE MODEL "KCA" DISK HARROW

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ENGLISH



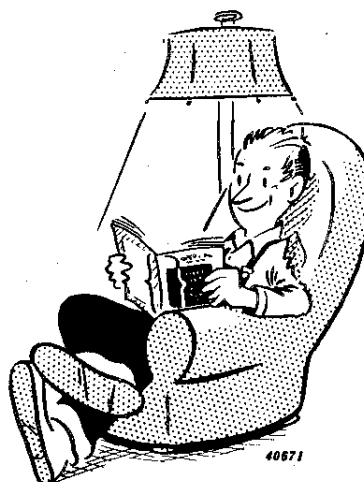
TO THE PURCHASER

Your new John Deere Model "KCA" 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. A parts list, with illustrations, is provided.

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.



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

JOHN DEERE MODEL "KCA" DISK HARROW

Check off size of your disk harrow, special equipment obtained, and record date purchased.

Size:

6-Ft.

7-1/2-Ft.

Wheel Carrier

Furrow Leveling Blade

Remote Hydraulic Cylinder Adapter

Trailer Hitch

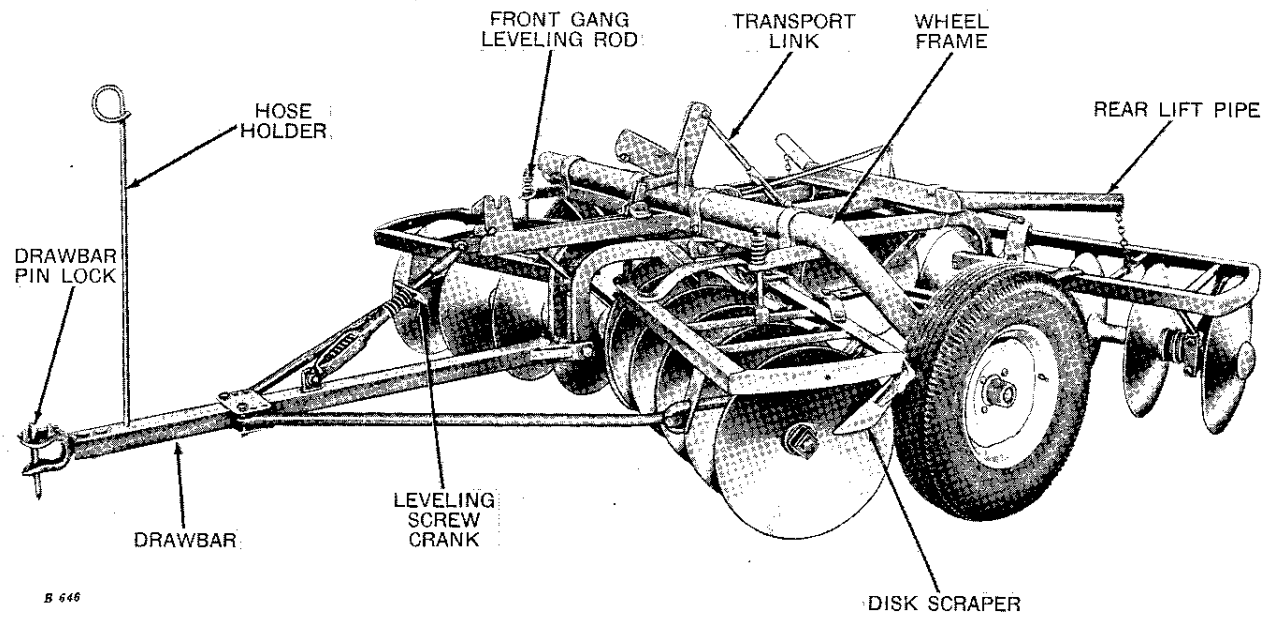
Middlebreaker

Arch Bracket

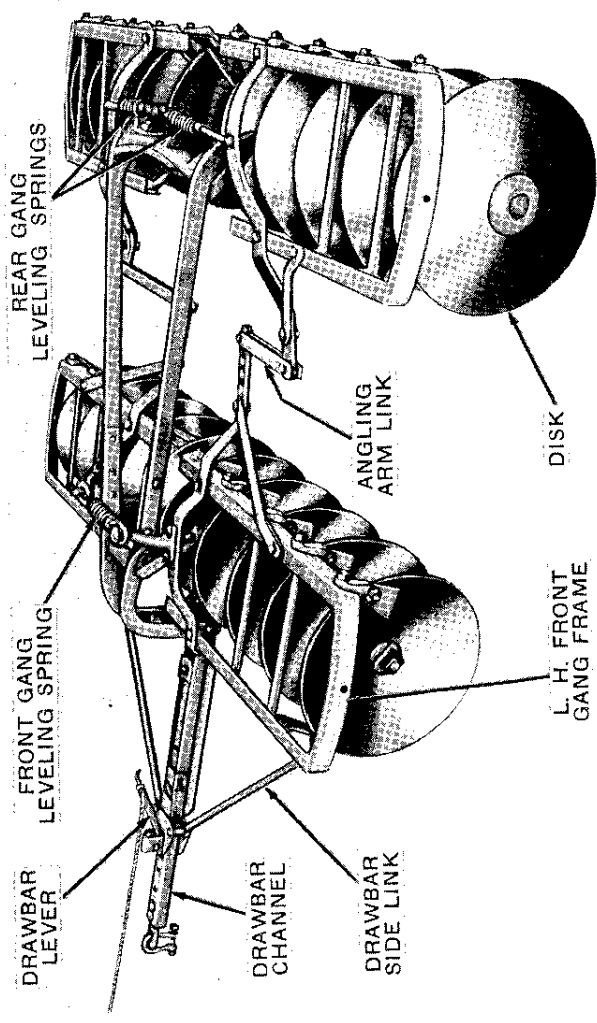
Date Purchased

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*John Deere Model "KCA" 7-1/2-Foot Disk Harrow with Wheel Carrier
(Disk Harrow in Transport Position)*



52756

*John Deere Model "KCA" 7-1/2-Foot Disk Harrow
(Disk Harrow in Transport Position)*

SPECIFICATIONS

Size	Disk Spacing	Actual Width of Cut	Size	No. of Disks Solid or Cut-Out	Size of Disks
6'	9-1/2"	6' 1"	6'	16	20"
7-1/2'	9-1/2"	7' 7"	7-1/2'	20	20"

SPECIAL EQUIPMENT

Wheel Carrier Attachment. A wheel carrier attachment is available for transporting, regulating disking depth and lifting the harrow for turning at the ends of the field and crossing grass waterways or ditches.

Hydraulic Control Adapter (Not Used on Wheel Carrier Harrow). A remote cylinder adapter and hose holder are available which will make it possible to angle or straighten the gangs with a hydraulic remote cylinder. The hose holder suspends the excess hose above the ground.

Trailer Hitch. A trailer hitch is available to use when a harrow or packer is to be pulled behind the disk harrow.

Middlebreaker Attachment. A spring-tooth middlebreaker that cuts out the center strip left by the front disk gangs is available.

Rear Gang Angling Attachment. This attachment allows the disk harrow to operate with the rear gangs in angle while the front gangs are straight as needed when filling in a dead furrow.

Outside Furrow Leveling Blade. This attachment will fill and level the furrow left by the outer rear gang disk blades when disking in plowed or loose ground.

Arch Bracket (Not Used on Wheel Carrier Harrow). A front arch bracket can be furnished to make the drawbar rigid, so that the front section of the Model "KCA" Disk Harrow can be used as a single action harrow.

Gang Frame Weights. Gang frame weights can be furnished in pairs when additional penetration is wanted.

(Specifications and design subject to change without notice.)

OPERATION

MODEL "KCA" DISK HARROW WITHOUT WHEEL CARRIER

HITCHING TO TRACTOR.

When using a John Deere Tractor with the Model "KCA" 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 "KCA" 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.



When transporting the Model "KCA" Disk Harrow on a public road at night, or during other periods of poor visibility, use a warning lamp on the extreme left-hand side of the tractor.



When transporting the disk harrow on a public road during the day, hang a red flag prominently on the rear of the disk harrow.

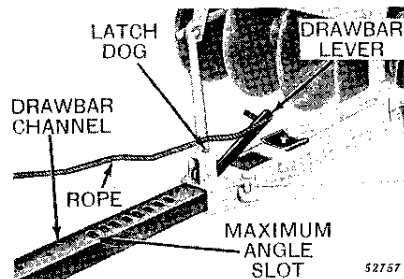
DISKING DEPTH.

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.

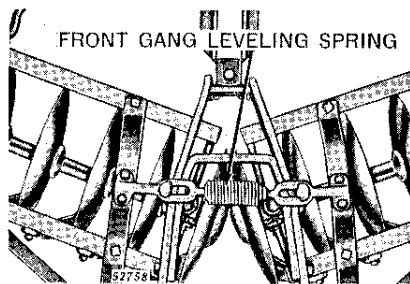
In certain disking conditions it may be necessary to reduce the angle of the gangs to prevent clogging of the gangs.

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.

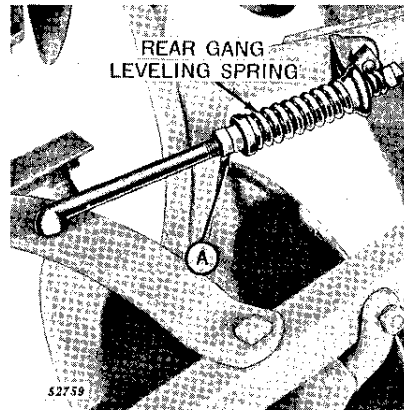
Leveling Front Gangs.



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.

Adjust scraper blades so the scraping edge of blade is flush against disk and makes good contact its entire width.

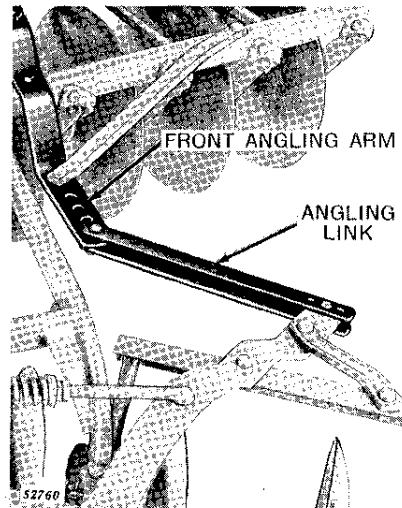
If scrapers are set too tight against disk blades they will prevent gangs from revolving freely.

OPERATING REAR GANGS AT LESS ANGLE THAN FRONT GANGS.

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.

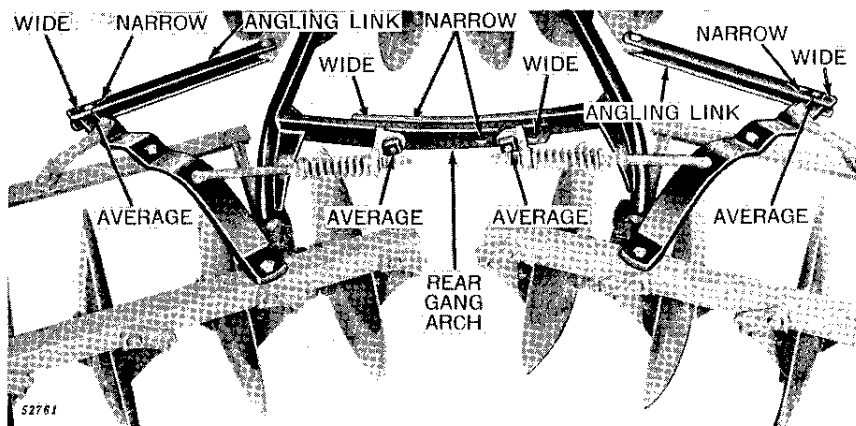
When inside end of angling links are pinned to rear holes in front angling arms (right-hand side illustrated) the rear gangs will assume the same cutting angle as the front gangs.

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



Angling Rear Gangs

ADJUSTING THE DISTANCE BETWEEN THE REAR GANGS FOR LEVEL WORK.



Rear Gang Arch and Angling Links

The variations in soil from one field to another, and sometimes in the same field, can have an effect on the way the rear gangs level the dirt.

The distance between the rear gangs on the John Deere Model "KCA" Disk Harrow can be regulated to insure level work at different speeds, and in various soil conditions.

For average speed and soil conditions set the rear gang arch and

the angling links in the average setting, as illustrated.

To increase the distance between the rear gangs, place the rear gang arch and the angling links in the wide setting.

To decrease the distance between the rear gangs, place the rear gang arch and the angling links in the narrow setting.

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