



John Deere

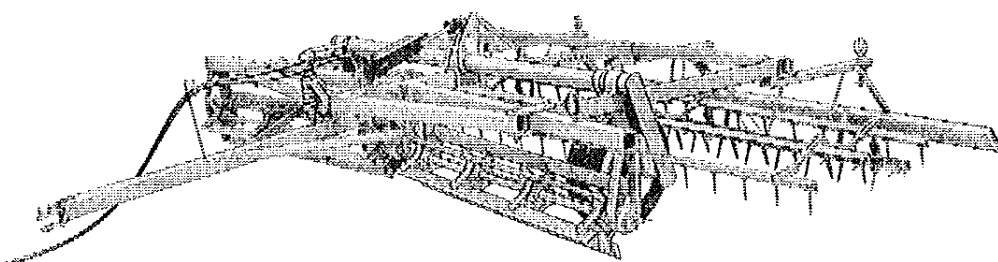
Operator's Manual

BFA Series

OM-B25399

Finishing Harrows

Issue F2





To the Purchaser

This new finishing harrow was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need—whether it is operation, lubrication, or safety. Read the Table of Contents to learn where each section is located.

In addition to the equipment furnished with your finishing harrow, attachments are available to help you do a better job in special crop conditions. These are described in the special equipment section of this manual and can be purchased from your John Deere dealer.

"Right-hand" and "left-hand" sides are determined by facing in the direction the finishing harrow will travel when in use.

Record your finishing harrow serial numbers in the space provided on page 15. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your finishing harrow requires replacement parts, go to your John Deere dealer where you can obtain genuine John Deere parts—accept no substitutes.

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

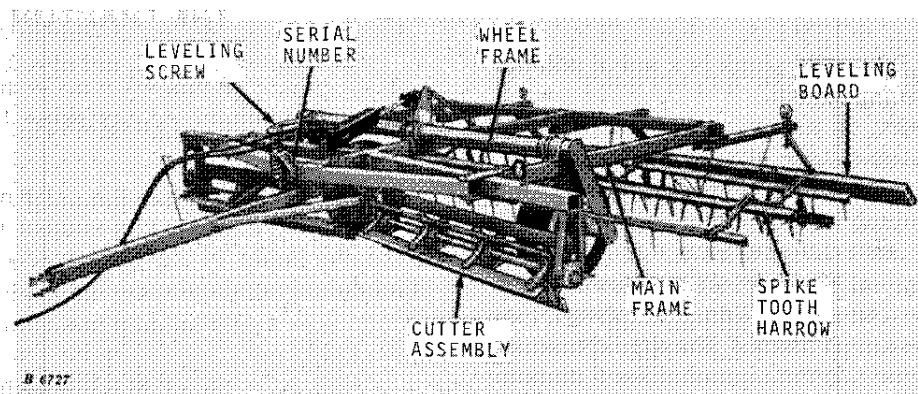


This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

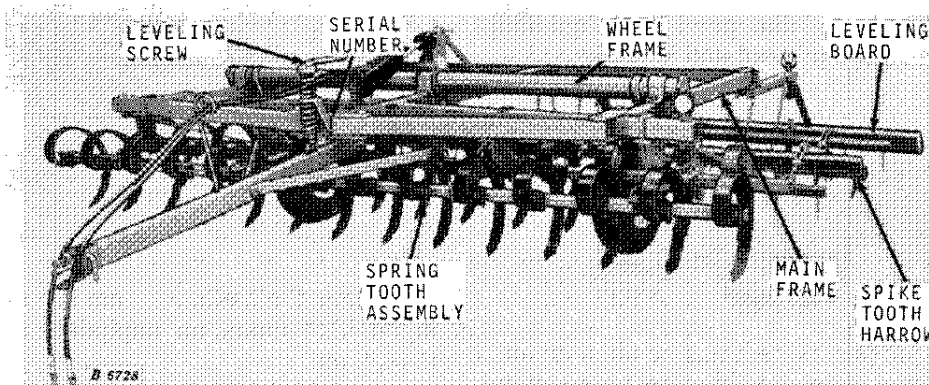


Contents

	Page
OPERATION	2-4
SAFETY SUGGESTIONS	5
LUBRICATION	6
ASSEMBLY	7-14
SPECIFICATIONS	15
INDEX	16



John Deere 4-Row BFA Finishing Harrow



John Deere 4-Row BFA Spring-Tooth Finishing Harrow



Operation

PREPARING FINISHING HARROW

Inflate the finishing harrow tires to 30 psi of air pressure.

Lubricate the finishing harrow as instructed on page 6.

The finishing harrow can be used with John Deere Tractors equipped with a remote hydraulic cylinder or any other tractor using a remote cylinder that conforms to ASAE-SAE standards.

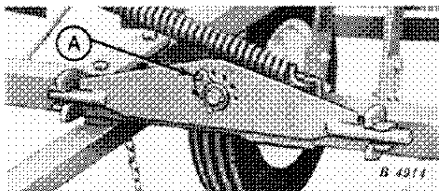
Extension Gangs

CAUTION: Extension gangs in lowered position are under spring tension.

1. Before working on extension gangs in lowered position, always secure them with locking bar.
2. Stand clear when raising or lowering gangs.
3. Always lock gang in transport or field position.

ALWAYS lock the extension gang in position before working on gang. When finishing harrow extension gangs are in lowered position, the springs contain a great amount of stored energy. When the springs are in place, **NEVER** work on the extension gangs without securing the gangs with the locking bars.

Fold the extension gangs down and lock in working position.



The extension gangs may be adjusted up or down. To adjust each gang, remove the locking bar and bolt "A." Rotate the leveling cam clockwise to lower the

left-hand extension gangs or counterclockwise to raise the left-hand extension gangs. Rotate the leveling cam clockwise to raise the right-hand extension gangs or counterclockwise to lower the right-hand extension gangs. Replace bolt "A" and the locking bar.

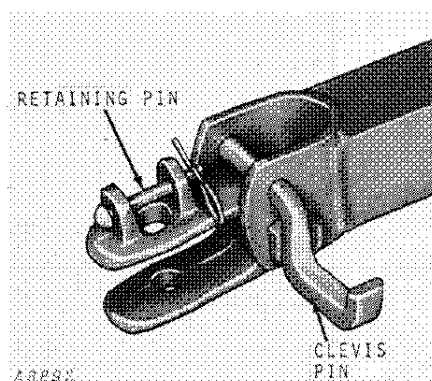
PREPARING THE TRACTOR

Refer to your tractor operator's manual for wheel weighting instructions and tire inflation pressures.

ATTACHING TO OR DETACHING FROM THE TRACTOR

The finishing harrow must be in the raised position before attaching to, or detaching from, the tractor drawbar.

Back the tractor up to the finishing harrow, install the remote hydraulic cylinder on the harrow, and place the hoses in the hose holder. Extend the hydraulic cylinder and disconnect the transport link.



Remove the clevis pin from the clevis and place it in the hitch holes, as illustrated, to hold the clevis straight out.

CAUTION: Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Retract the hydraulic cylinder until the harrow hitch is the same height as the tractor drawbar. Attach the clevis to the tractor drawbar with the clevis pin and secure in place with the retaining pin.

Before detaching finishing harrow from the tractor, the finishing harrow must be in the raised position. Disconnect the remote hydraulic cylinder hoses from the tractor before pulling away if you leave the hydraulic cylinder on the finishing harrow.

Park or block the finishing harrow so it will not roll when disconnected from the tractor drawbar.

TRACTOR SWINGING DRAWBAR

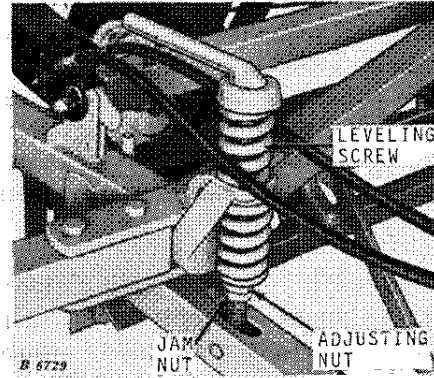
For best results when operating in the field, the tractor drawbar should be free to swing.

CAUTION: Lock the swinging tractor drawbar in a fixed position when transporting.

TRANSPORT LINK

Raise the finishing harrow by extending the remote cylinder. Disconnect the transport link (see page 4) and then lower the harrow to operating position.

LEVELING THE FINISHING HARROW



Adjust the leveling screw on the drawbar as follows to level the finishing harrow and to obtain uniform penetration of the front and rear gangs:

Shorten the leveling screw (turn clockwise) to raise the rear section. Lengthen the leveling screw (turn counterclockwise) to lower the rear section.

NOTE: Be sure adjusting nut and jam nut on leveling screw are both snug against the bottom of the spring to prevent play in the spring.

DEPTH OF PENETRATION

The depth of penetration is controlled by the remote hydraulic cylinder control lever of the tractor. The transport wheels will act as gauge wheels to regulate the working depth of the harrow. After determining the correct working depth as regulated by the transport wheels, position stop on remote hydraulic cylinder so transport wheels raise to same position each time. See tractor operator's manual.

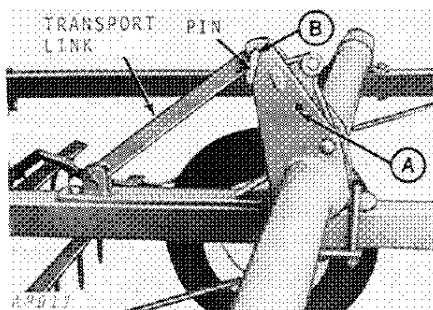
CAUTION: Do not make sharp turns with finishing harrow in operating position.

TRANSPORTING

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

Lock the tractor drawbar in a fixed position when transporting the harrow. Do not transport the harrow over 12 mph on a smooth surface road. Reduce the speed considerably when traveling on rough ground.

Transport Link



The transport link is used to hold the harrow in a raised position for transporting or storage when the hydraulic cylinder is removed.

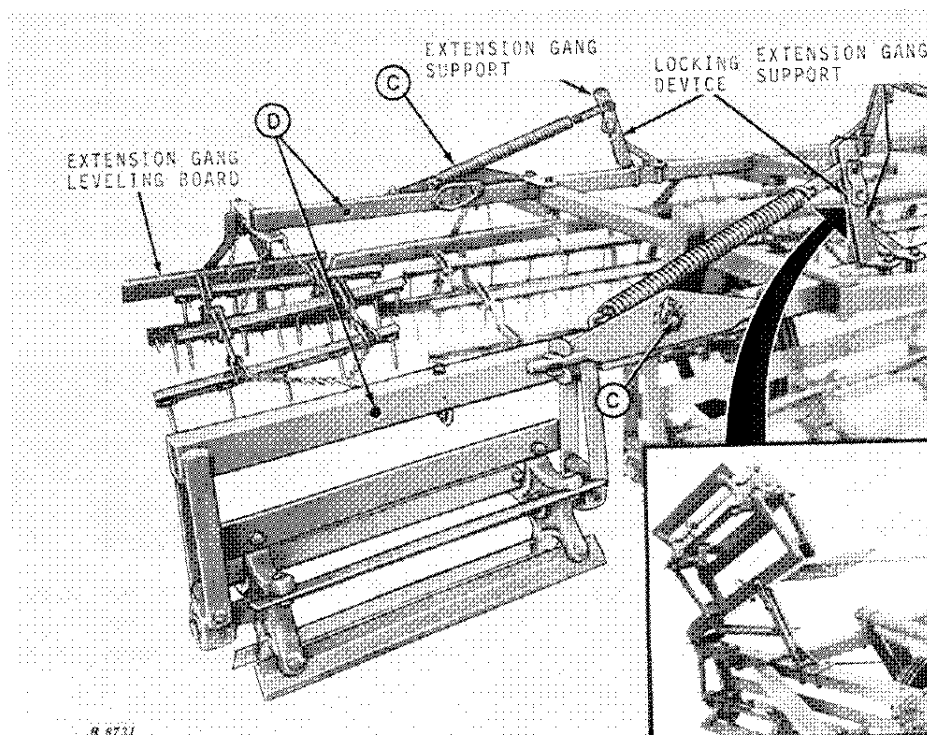
To place the finishing harrow in transport position: (1) Fully extend the remote hydraulic cylinder. (2) Remove the pin from hole "A," line up the hole in the end of the transport link with hole "B" and install the pin. The cylinder can then be removed and the harrow will stay in the raised position.

Extension Gangs

CAUTION: Extension gangs have spring lift. Stand clear when folding for transport. Always secure extension gangs in transport position with locking device.

Remove extension locking bars from locking position "C" on front and rear gangs. Install extension locking bars in hole "D" in the front and rear extension gangs. With the aid of the extension locking bar, raise the front extension gang and fold it over against the extension gang support. Using the rear extension gang leveling board, raise the rear gang and fold it over against the extension gang support. Secure the extension gangs in transport position with the safety strap and Quik-Lock pin.

NOTE: The above procedure applies to both BFA and BFA Spring-Tooth Finishing Harrows with extension gangs.





Safety Suggestions



The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this finishing harrow was designed. Simple adjustments and other safety features were built into the finishing harrow wherever possible.

However, investigation of thousands of farm accidents show that careless use of farm machinery causes nearly 1/3 of all farm accidents. You can make your farm a safer place to live and work if you observe the safety suggestions given. Study these suggestions carefully and insist that they be followed by those working with you and for you.

Never ride or permit others to ride on the drawbar of the tractor or on the finishing harrow.

When transporting finishing 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. Lights and devices may be obtained from your John Deere dealer.

Be careful when operating on hillsides because the tractor may tip sideways if it strikes a hole, ditch, or other irregularity.

Be careful when operating the finishing harrow to avoid injury.

Only one person - the operator - should be permitted on the tractor platform while tractor and finishing harrow are in operation.

Never clean, lubricate, or adjust a machine that is in motion.

Park or block the finishing harrow so it will not roll when disconnected from tractor drawbar.

When leaving the tractor and finishing harrow, connect transport link or lower the disk harrow to the ground.

Connect transport link when transporting finishing harrow long distances.

Extension gangs in lowered position are under spring tension.

1. Before working on extension gangs in lowered position always secure them with locking bar.

2. Stand clear when raising or lowering gangs.

3. Always lock gangs in transport or field position.

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and the lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com