

1209 MOWER-CONDITIONER



OPERATORS MANUAL 1209 MOWER-CONDITIONER

OME63033 H9 English

**JOHN DEERE OTTUMWA WORKS
OME63033 H9**

LITHO IN THE U.S.A.
ENGLISH






To the Purchaser

Your new mower-conditioner 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 service. Read the "Table of Contents" to learn where each section is located. Use the alphabetical index for fast reference.

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

 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.

Because John Deere sells its products world-wide, U.S. units of measure are shown with their respective Metric equivalents throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.

"Right-hand" and "left-hand" sides are determined by facing in the direction of mower-conditioner forward travel.

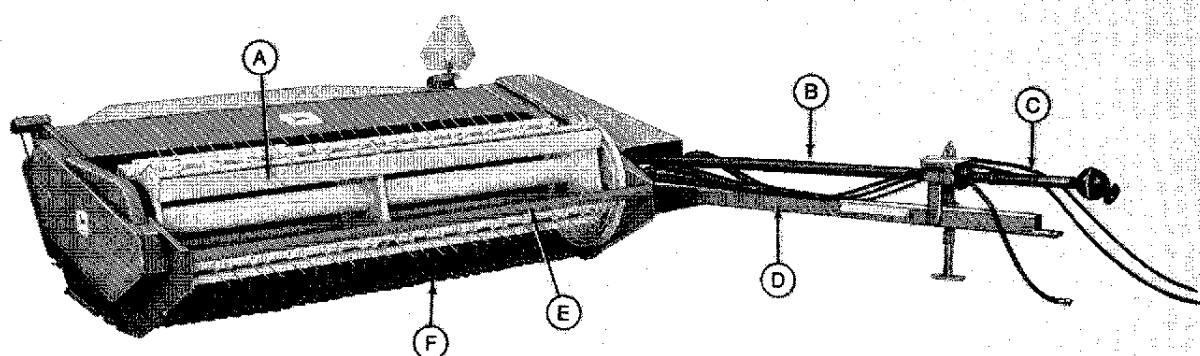
Record your mower-conditioner serial number in the space provided on page 34. Your dealer needs this information to give you prompt, efficient service when you order parts. If your mower-conditioner requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts - accept no substitutes.

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



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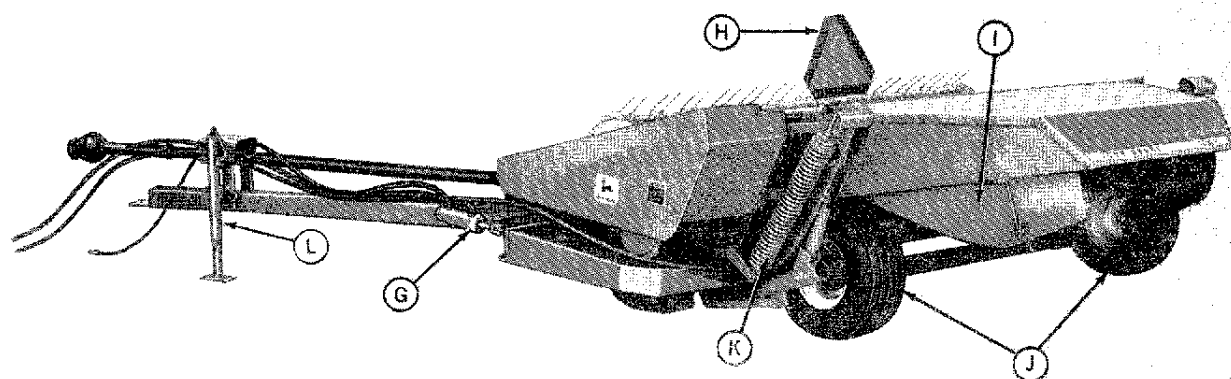
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A—Reel
B—Powershaft

C—PTO Power-Gard Hookup
D—Tongue

E—Knockdown Bar
F—Cutterbar

Right-Hand Front View of John Deere 1209 Mower-Conditioner



E16762

G—Hydraulic Cylinder
H—SMV Emblem


I—Windrowing Shield
J—HI-Flotation Tires

K—Float Spring
L—Jack Stand

Left-Hand Rear View of John Deere 1209 Mower-Conditioner



Safety Suggestions

 The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this mower-conditioner was designed. Shielding, simple adjustments, and other safety features were built into the mower-conditioner wherever possible.

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.

All machinery should be operated only by responsible persons who have been delegated to do so.

Before starting, make sure bystanders are clear of the mower-conditioner so they cannot be struck by moving parts or caught in a drive belt or chain.

Never walk in back of the mower-conditioner while it is operating.

Never clean, oil, or adjust the mower-conditioner with the tractor engine running.

Do not leave mower-conditioner unattended with cutting platform raised. Always lower it to the ground. Never adjust mower-conditioner with power engaged.

Be especially careful when operating on hillsides, the mower-conditioner may tip sideways if it strikes a hole, ditch, or other irregularity.

Provide a first-aid kit for use in case of accident. Use proper antiseptics on scratches and cuts without delay.

Never attempt to clear obstructions off the cutting platform unless the mower-conditioner is stopped and the tractor engine shut off.

Clothing worn by the mower-conditioner operator should be fairly tight and belted. Loose jackets, skirts, shirts, or sleeves should never be worn because of the danger of their getting into moving parts.

Replace badly frayed or worn belts before they break.

Never operate 540 rpm mower-conditioner with 1000 rpm tractor.

Check to make sure hookup is securely latched by pulling rearward on shield bell. Do not pull on collar as this will release latch.

Always operate the hydraulic tongue cylinder at slow (turtle) speed to avoid personal injury or machine damage.

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 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 the hands, to search for suspected leaks.

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

When transporting the mower-conditioner 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. Place tongue in transport position and secure using safety stop. Clean the SMV (Slow Moving Vehicle) emblem before transporting the mower-conditioner on a road or highway.

When you are exposed to any noise which is objectionable or uncomfortable, it is recommended that you wear a suitable hearing protective device (such as ear muffs or plugs.)

Be alert, the life you save could be your own.



Operation

PREPARING THE MOWER-CONDITIONER

The Operator

The degree of satisfaction given by your mower-conditioner is directly dependent upon the care given by the operator. Once the mower-conditioner has been adjusted to meet the crop condition, the rest is up to the operator.

Understanding the Function of All Working Units

This mower-conditioner is built to handle a wide range of conditions. Field conditions and crops vary and present widely different mowing and conditioning problems. A careful study of the adjustments on your mower-conditioner, and what they accomplish under different conditions, will allow you to reap the many benefits and economies that a mower-conditioner can provide.

Before starting your mower-conditioner in the field, be sure you are thoroughly familiar with the function of each working unit. Study the illustrations carefully and become familiar with the adjustments necessary to obtain best results.

Checking Lubrication

Check to see that your mower-conditioner has been lubricated according to lubricating instructions, pages 11 through 13.

Inflating Tires

Proper inflation is essential to the long life of a tire. Lack of air pressure allows the tire to slip on the rim and buckles the side walls, resulting in uneven tread wear. Too much pressure causes undue strain on tire structure and may result in ruptures. It also causes excessive tread wear and allows the tire to cut in more on wet ground.

Keep valve caps screwed finger-tight onto valve stems. This will prevent dust, fine gravel, mud, and other foreign material from accumulating in the valve core and permitting the compressed air to escape.

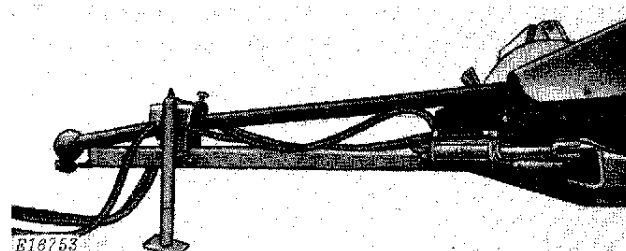
Check tire pressure frequently and inflate or deflate tires to obtain proper air pressure as given in tire inflation chart below.

Tire Size	26 x 12.00 x 12
Pressure	20 psi (1.3 bar) (138 kPa)

Keep wheel lugs torqued to 85 ft-lbs (114 Nm) (11 kgm).

Positioning Tongue

Hydraulic Cylinder



Install hydraulic cylinder as shown. Attach hoses to cylinder and route as shown, being careful not to crush or pinch hoses.

NOTE: A double-acting hydraulic cylinder must be used for hydraulic control.

Pull cylinder hoses through brackets on side of shield and attach to couplers on the left-hand side of tractor.

After hookup is complete, slowly operate the hydraulic cylinder several times. Hold the tractor remote hydraulic control lever in the operating position for a few seconds. This will eliminate air in the hydraulic system, which might cause improper operation of the hydraulic cylinder.

CAUTION: Tongue position changes may occur rapidly with hydraulic control. Avoid personal injury or machine damage by placing hydraulic flow control in "slow" position. If tractor does not have flow control, install an A26112 restrictor at one of the cylinder fittings.

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