

# JOHN DEERE 307 GYRAMOR ROTARY CUTTER



JOHN DEERE

## OPERATORS MANUAL JOHN DEERE 307 GYRAMOR ROTARY CUTTER

OMW21303 E1 English

JOHN DEERE WELLAND WORKS  
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LITHO IN THE U.S.A. (REVISED)  
ENGLISH





## To the Purchaser


This new Gyramor 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 adjustments and 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 Gyramor, attachments are available to help you to do a better job in special cutting conditions. These are described in the extra 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 Gyramor will travel when in use.

Record your Gyramor serial number in the space provided on page 30. Your dealer needs this information to give you prompt, efficient service when you order parts or attachments. If your Gyramor requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

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

 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.

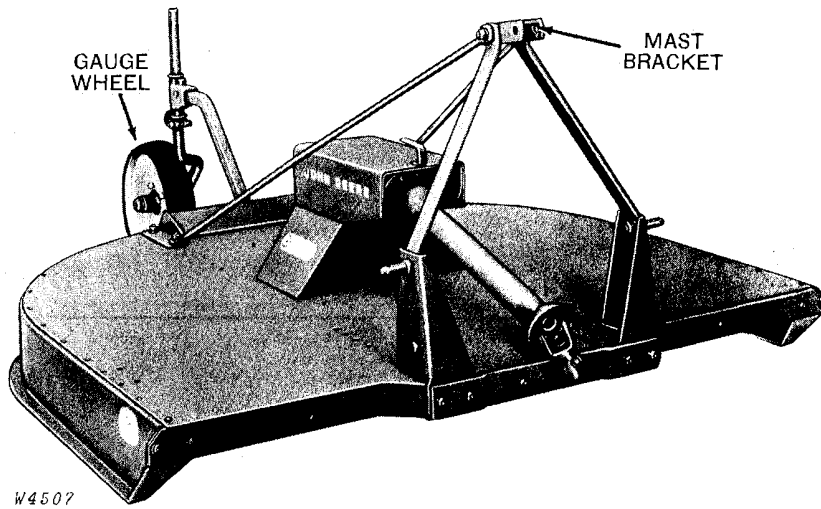




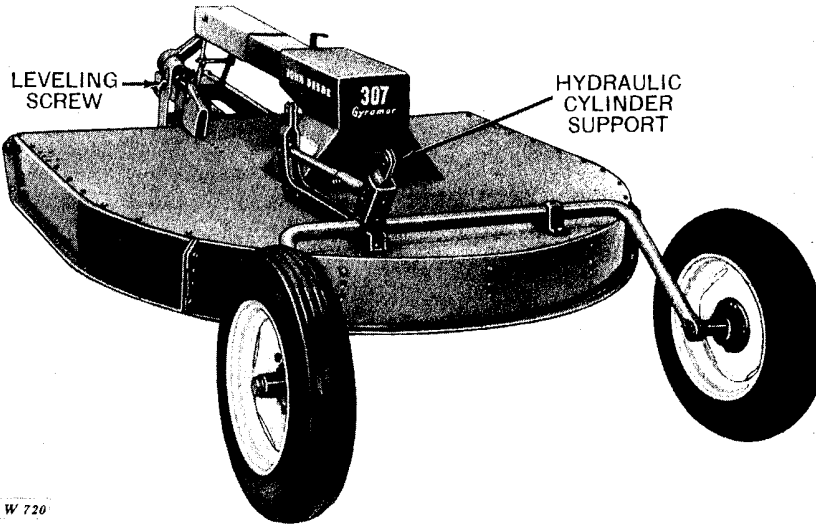
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*John Deere 307 Integral Gyramor Rotary Cutter*



*John Deere 307 Pull-Type Gyramor Rotary Cutter with Rear-Mounted Wheels*



# Operation

Your new Gyramor has a variety of uses. It is ideal for maintaining pastures, destroying weeds, cutting brush, mulching orchard and vineyard prunings, and shredding crop residues. It can be used to remove and chop potato and peanut vines prior to digging and to pulverize and spread corn and cotton stalks after harvest. It helps in the control of insect pests by destroying their wintering places.

The integral machine can be used on John Deere Tractors as indicated on the following pages and similar tractors having a 3-point hitch. The pull-type machine can be used with any tractor having standard ASAE-SAE drawbar and power take-off dimensions. Both integral and pull-type machines can be operated on tractors having 540 rpm PTO, but they cannot be operated on tractors equipped with external powershaft speed changers.

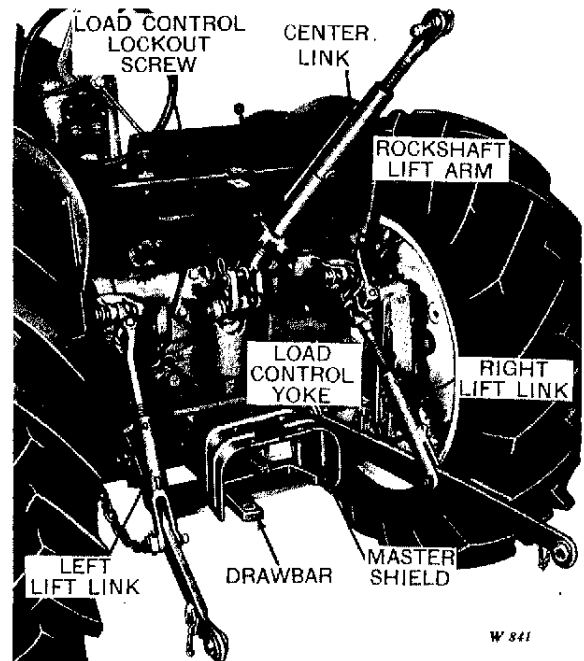
The machine can be assembled as an integral machine or as a pull-type machine. Parts are available to convert from integral to pull-type or pull-type to integral.

**IMPORTANT:** If the Gyramor is used with a tractor having a direction reverser, never shift direction reverser to the reverse position while the Gyramor is connected to the tractor powershaft.

## INTEGRAL GYRAMOR

### Preparing Tractor

#### John Deere 1010, 1020, and 1520 Series Wheel-Type Tractors



Set tractor drawbar to shortest position.

Turn out load control yoke lockout screw so load control will not operate.

Pin upper ends of lift links to inner holes in rockshaft lift arms.

Remove guard from end of powershaft and install powershaft master shield.

Pin center link to top hole in load control yoke.

## Preparing Tractor - Continued

**IMPORTANT: Raise Gyramor slowly after connecting PTO to make sure powershaft does not strike Gyramor frame.**

On tractors equipped with dual hydraulic system, adjust to parallel lift arm operation. (See tractor Operator's Manual).

The maximum number of front end weights is recommended.

Refer to tractor operator's manual for instructions on tire inflation and use of wheel weights.

**John Deere 2010, 2020, 2510, 3010, 3020, 4000, 4010, 4020, 4320, 4620, 5010, 5020 Tractors**

Refer to tractor Operator's Manual for tire inflation.

Set drawbar in short high position. (See tractor Operator's Manual).

Front end weights are not required with these tractors.

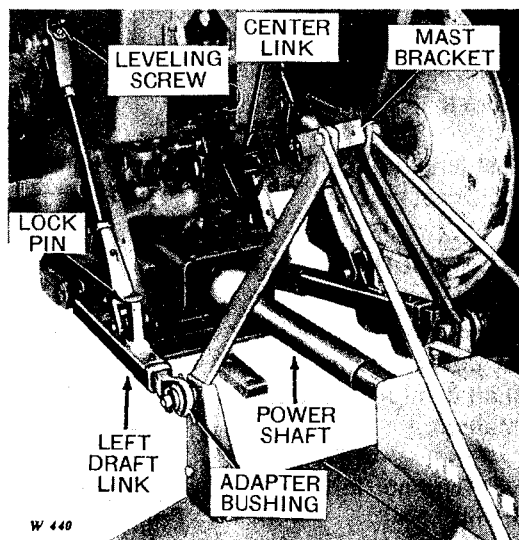
Adjust tractor sway blocks so sway is eliminated when implement is in transport position. (See tractor Operator's Manual.)

Make sure master shield is in place on PTO.

On 2010 Tractor with dual hydraulic system, adjust for parallel lift arm operation. (See tractor Operator's Manual.)

On 2010, 2020, 2510, 3010, 3020, 4000, 4010, 4020, 5010, and 5020 Tractors set selector lever in Depth Control position. (See tractor Operator's Manual.)

## Attaching To Tractor



Back tractor so draft links are approximately in line with hitch pins on Gyramor.

With 540 rpm PTO, attach powershaft to tractor power take-off. Press in on plunger in powershaft yoke and slip yoke on splined shaft. Make sure plunger returns to "full out" position to insure positive lock.

Attach left-hand draft link to hitch pin, using hydraulic control lever to obtain correct alignment. (Lifting the lock pins on tractors so equipped, permits draft links to telescope and facilitates attachment.)

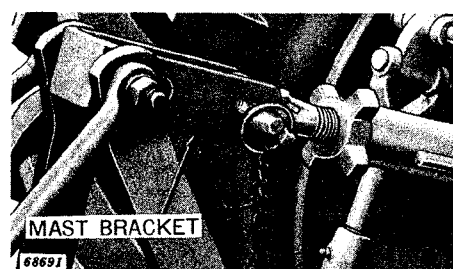
Attach right-hand draft link to hitch pin using leveling screw to align link with pin.

For John Deere 2010 and 2020 Tractors use hitch adapter bundle AT12350 on Gyramor.

### John Deere 2510, 3010, 3020, 4010, 4020, 4320, and 4620 Tractors

Attach center link to ball pinned in Gyramor mast bracket. Use bushing on hitch pins.

### John Deere 1010, 1020, 2010, and 2020 Tractors



Attach center link to mast bracket.

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