

# JOHN DEERE 407 GYRAMOR ROTARY CUTTER



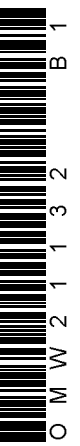
JOHN DEERE

## OPERATORS MANUAL JOHN DEERE 407 GYRAMOR ROTARY CUTTER

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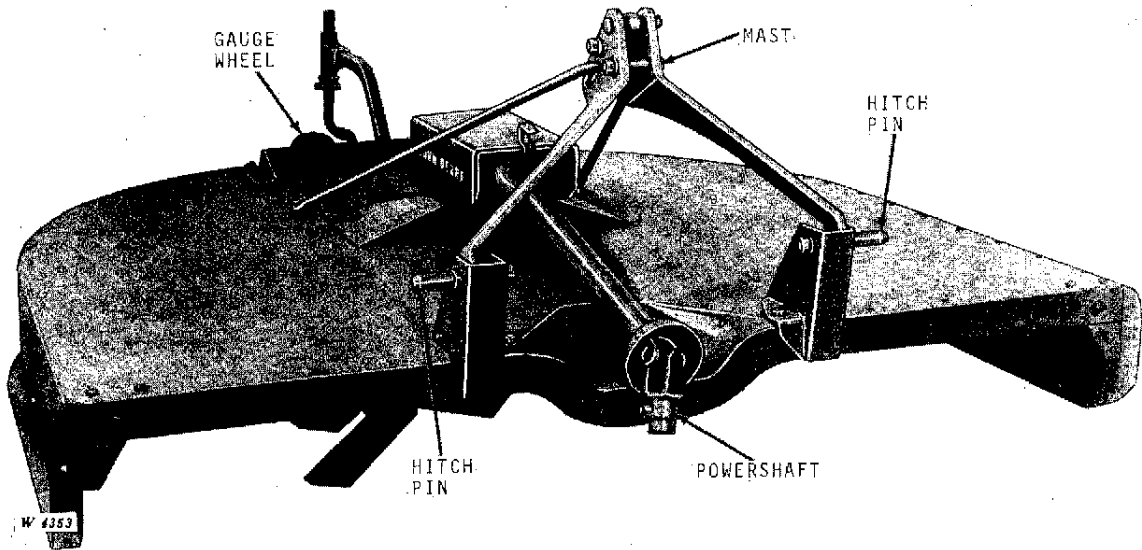




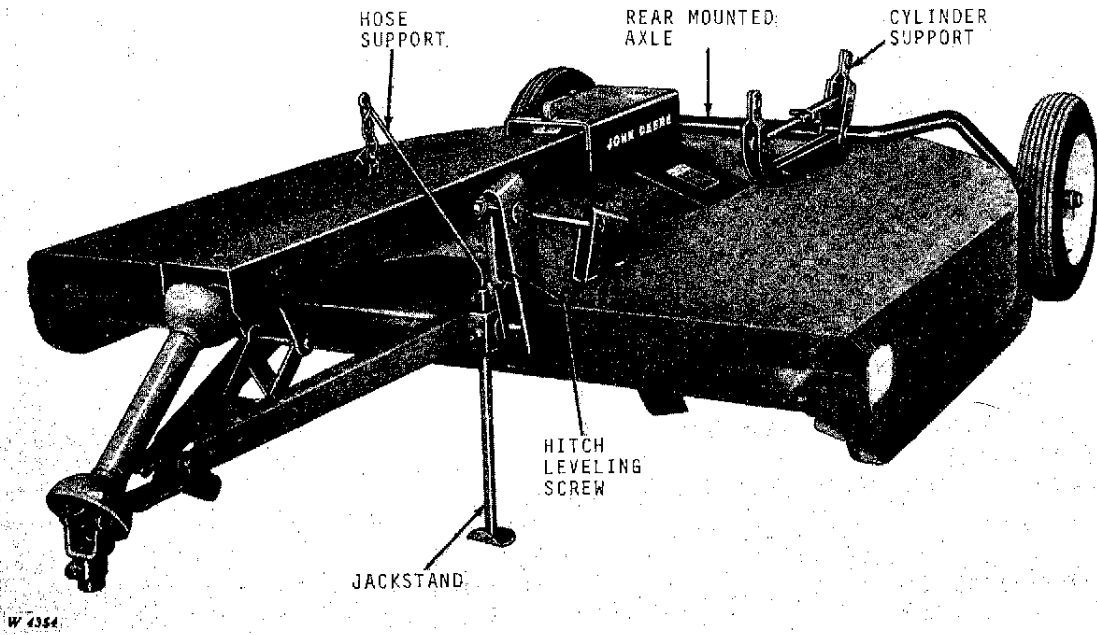
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*John Deere 407 Integral Gyramor Rotary Cutter  
Equipped With Rear Gauge Wheel*



*John Deere 407 Pull-Type Gyramor Rotary Cutter  
With Inset Rear-Mounted Wheels.*



# Operation

## GENERAL

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

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

The integral Gyramor can be used on John Deere 3010, 3020, 4000, 4010, 4020, 4320, 4520, 4620, 5010, 5020, and on similar tractors having a category 2, 3-point hitch. The pull-type Gyramor can be used with tractors having standard ASAE-SAE drawbar and PTO dimensions along with sufficient horsepower for the type of work being done.

Both the integral and pull-type Gyramor can be operated on tractors having 540 or 1000 rpm PTO, but they cannot be operated on tractors equipped with external powershaft speed changers.

The metal plate on the Gyramor gear box cover indicates the operating speed (540 or 1000 rpm PTO) for which the Gyramor was assembled at the factory. The 540 rpm PTO shaft has six splines; the 1000 rpm PTO shaft has 21 splines. To change the Gyramor from 540 rpm to 1000 rpm PTO speed see your John Deere dealer.

**IMPORTANT: The Gyramor must be equipped with 1000 rpm PTO gear box when used with the 5010 and 5020 Tractors.**

Various attachments are available to help you do a better job in different crop conditions. See pages 20 and 21 for their description.

## PREPARING GYRAMOR

### Lubrication

Be sure Gyramor has been properly lubricated. See lubrication chart on page 12.

### Bolts and Nuts

Before starting to work with a new Gyramor, or one

that has been stored, check all bolts and nuts for tightness. Use the torque chart on page 14 when tightening bolts.

### Tire Inflation

Keep the tires inflated to 28 psi air pressure.

## PREPARING TRACTOR

### For Use With Integral Gyramor

#### Tire Inflation

Inflate the tractor tires as recommended in your tractor operator's manual.

#### Drawbar

**IMPORTANT: The offset in the drawbar must always be downward for Gyramor work.**

On 3010, 3020, 4000, 4010, 4020, 4320, 4520, and 4620 Tractors, set the drawbar in the short position. (See tractor operator's manual.)

On 5010 and 5020 Tractors offset the drawbar and secure to side support. Remove clevis assembly. (See tractor operator's manual.)

#### Rockshaft Selector Lever

Before attaching Gyramor to the tractor set the rockshaft selector lever in the "D" position. Keep the lever in this position when operating the gyramor.

#### Sway Blocks

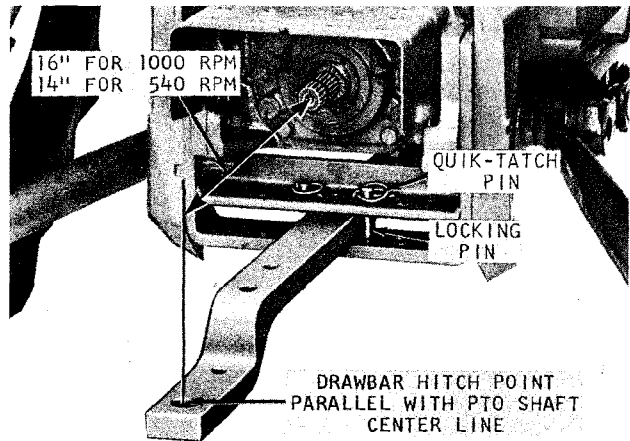
Adjust tractor sway blocks so side sway is eliminated when implement is in transport position but permits side sway when working.

### For Use With Pull-Type Gyramor

#### Tire Inflation

Inflate the tractor tires as recommended in your tractor operator's manual.

#### Drawbar



R 10070

Center the tractor drawbar and lock in a fixed position.

If the Gyramor is to be operated at 540 rpm, adjust drawbar so that the hole in the end of the drawbar is 14 inches from the end of the PTO shaft.

If the Gyramor is to be operated at 1000 rpm, adjust drawbar so that the hole in the end of the drawbar is 16 inches from the end of the PTO shaft.

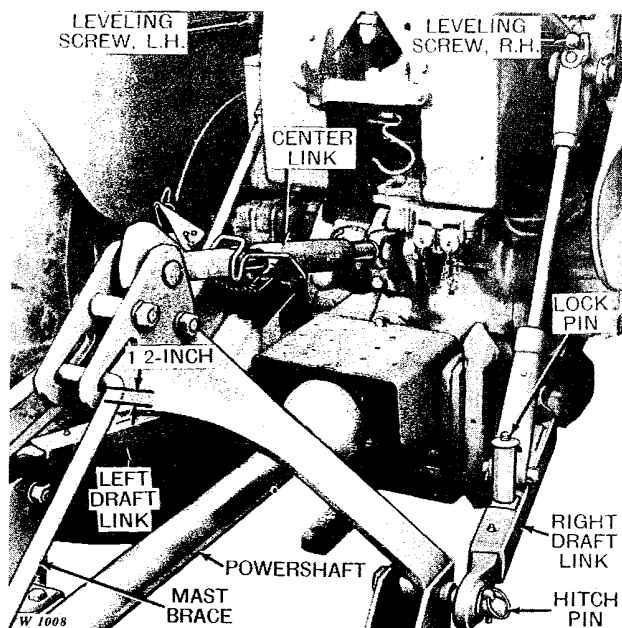
## ATTACHING TO TRACTOR

### Integral Gyramor

**IMPORTANT:** Never hook up a Gyramor with a 540 rpm gear box to a tractor with a 1000 rpm PTO. A metal plate on the gear box identifies correct PTO speed.

After connecting PTO, raise Gyramor slowly to make sure powershaft does not strike Gyramor frame. If there is any interference, lengthen lift links until there is no more interference.

#### Tractor with 3-Point Hitch



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

For 540 rpm PTO operation, 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.

For 1000 rpm PTO operation, remove bolt from powershaft yoke, and slip yoke on splined shaft of tractor. Replace bolt and tighten securely.

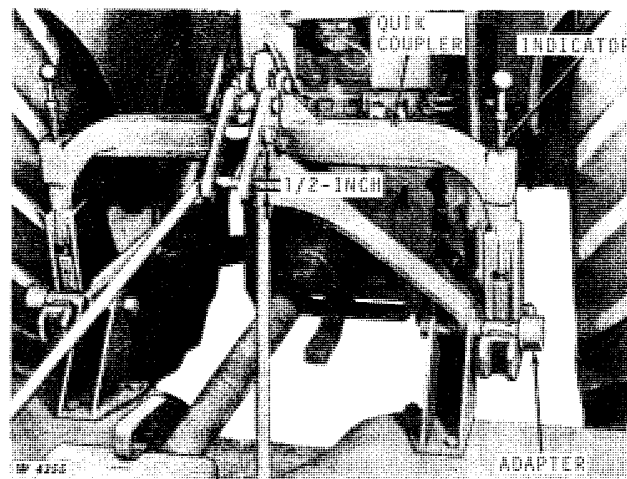
Attach left-hand draft link to hitch pin, using hydraulic control lever to obtain correct alignment. (Lifting the lock pins on tractors so equipped, permits draft links to telescope and facilitates attachment.)

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

Attach center link to Gyramor mast and adjust cutting height of Gyramor as described on page 8.

Lengthen center link to obtain 1/2-inch clearance between mast brace and hitch mast.

#### Tractor with Quik-Coupler



**NOTE:** Tractor Quik-Coupler must be in Category 2 implement hookup position.

Back up the tractor until upper hook is behind the pin between the sides of the Gyramor mast.

As the coupler is raised, the Gyramor hitch pin adapters will be locked automatically in place by the spring-loaded latches.

**NOTE:** When the spring-loaded latches are properly locked, the indicator rod will protrude through the slot in the coupler frame next to the latch rods.

Attach powershaft on Gyramor to tractor power take-off.

For 540 rpm PTO operation, press in plunger on powershaft yoke, and slip yoke on splined shaft of tractor. Make sure plunger returns to "full out" position to insure positive lock.

For 1000 rpm PTO operation, remove bolt from powershaft yoke, and slip yoke on splined shaft of tractor. Replace bolt and tighten securely.

Lengthen center link to obtain 1/2-inch clearance between mast brace and hitch mast.

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