

JOHN DEERE 205 GYRAMOR ROTARY CUTTER



JOHN DEERE

OPERATORS MANUAL JOHN DEERE 205 GYRAMOR ROTARY CUTTER

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ENGLISH





To the Purchaser


This 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.

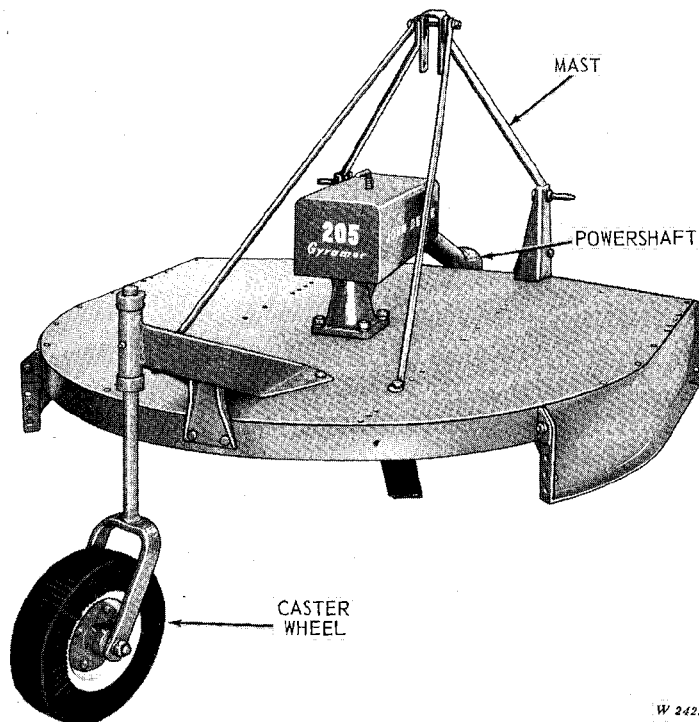
In addition to the equipment furnished with your Gyramor, attachments are available to help you do a better job in special cutting conditions. These are described in the extra equipment section of this manual and can be purchased from your John Deere dealer.

"Right-hand" and "left-hand" sides are determined by standing behind the Gyramor and facing in the direction of forward travel.

Record your Gyramor serial number in the space provided on page 21. 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.



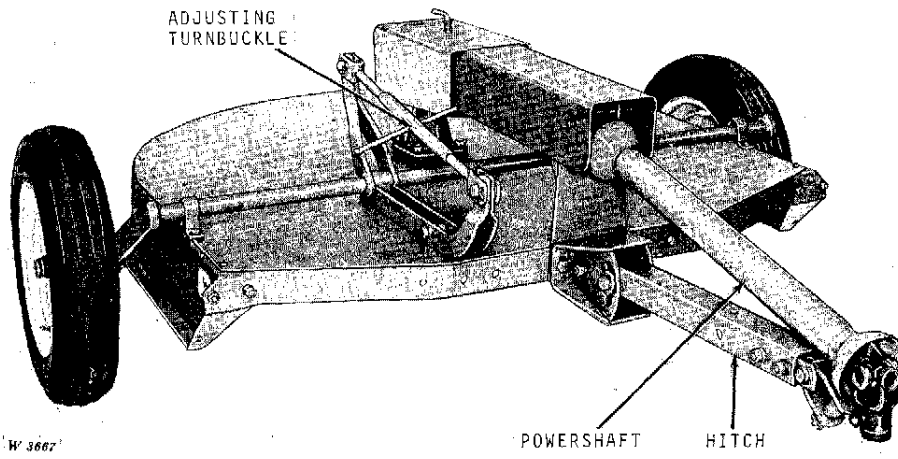
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John Deere 205 Integral Gyramor Rotary Cutter

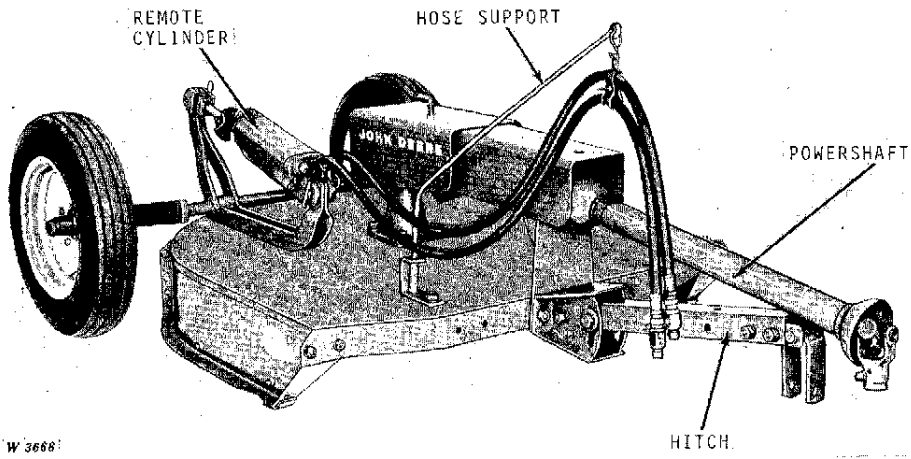


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John Deere 205 Pull-Type Gyramor Rotary Cutter with Side-Mounted Wheels



John Deere 205 Pull-Type Gyramor Rotary Cutter with Rear-Mounted Wheels



Operation

GENERAL

Your new Gyramor has a variety of uses. It is ideal for maintaining pastures, destroying weeds, cutting light 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 through the 4320 Series 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.

The 3-point hitch and remote hydraulic cylinder provide a fast, easy means of adjusting the cutting height of the Gyramor. See your tractor operator's manual for a complete explanation of the hydraulic system.

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

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

Under normal operating conditions, tractor front end weighting is not necessary. In conditions where it becomes necessary to add weight, see your tractor operator's manual.

Adjust tractor sway blocks to upper category 1 position so side sway is eliminated when implement is in transport position. Side sway is permitted when the Gyramor is lowered to a working position. See your tractor operator's manual.

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

John Deere 1010, 1020, and 1520 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 rock-shaft lift arms.

Pin center link to top hole in load control yoke.

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

John Deere 2010, 2020, 2030, 2510, 2520, 3010, 3020, 4000, 4010, 4020, and 4320 Tractors

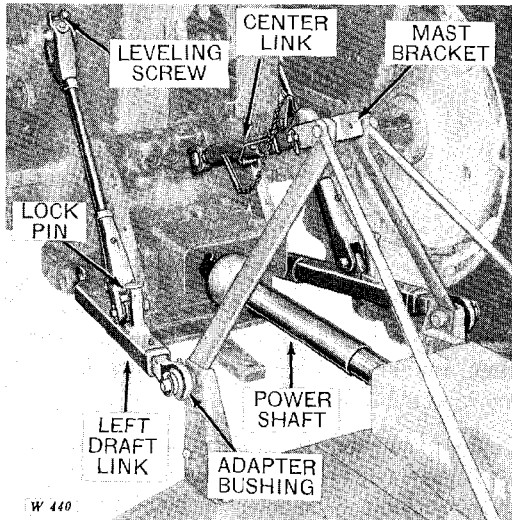
Set tractor drawbar in short high position.

Set selector lever in the "D" position.

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

4 Operation

Attaching to Tractor



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

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 draft links to hitch pins, using rockshaft control lever to obtain correct alignment. (Lifting the lock pins on tractors so equipped, permits draft links to telescope and facilitates attachment.)

Attach center link to mast.

NOTE: AF2710R Kit is available to adapt category 2 tractor hitch with hook type center link for use with the category 1 Gyramor hitch.

AT12350 Kit is available to adapt category 2 tractor hitch with ball socket end on center link for use with the category 1 Gyramor hitch.

IMPORTANT: Raise Gyramor slowly after connecting PTO to make sure powershaft does not strike Gyramor frame. Lengthen tractor lift links as required to provide 1/2-inch clearance.

Detaching From Tractor

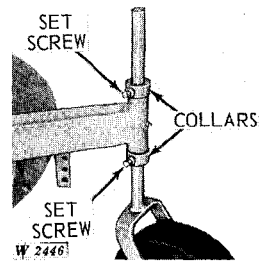
Lower Gyramor to ground or on blocks and turn upper link on tractor until load is relieved. Detach center link.

Turn leveling screw until draft link is free and detach from hitch pin.

Detach the other draft link from hitch pin, using lift lever on tractor to relieve load.

Press in on plunger and remove power take-off yoke from powershaft on tractor.

Adjusting Cutting Height



Gauge Wheel

Use rockshaft control lever on tractor to set Gyramor at desired cutting height. Set stop against rockshaft control lever as instructed in tractor operator's manual.

NOTE: See page 8 for recommendations on cutting brush.

Level Gyramor laterally with screw crank on tractor lift link.

Level Gyramor fore-and-aft by adjusting length of center link.

To adjust gauge wheel, loosen set screws in axle collars and adjust axle to desired cutting height. Retighten set screws.

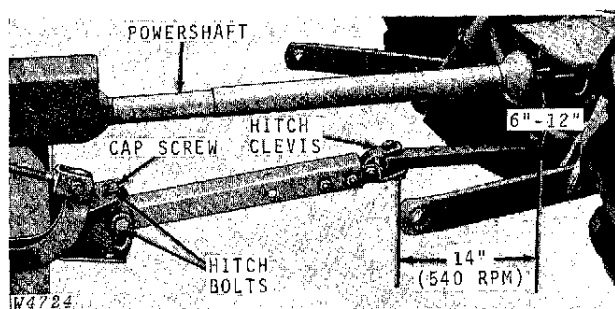
PULL-TYPE GYRAMOR

Preparing Tractor

The Pull-Type Gyramor can be attached to any tractor having a drawbar and 540 rpm power take-off that conforms to ASAE-SAE standards.

Refer to your tractor Operator's Manual for operation and preparation of the tractor PTO and drawbar.

Attaching to Tractor



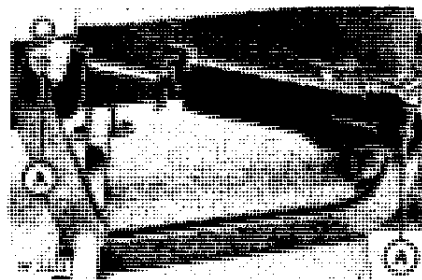
Attach tractor drawbar to hitch clevis using bolt, slotted nut and cotter pin. Use bushing in drawbar hole to provide correct hole size for hitch bolt.

Attach powershaft to tractor PTO shaft. Press in on plunger and slide powershaft yoke on splined shaft. Be sure plunger returns to "full out" position to insure positive lock.

Remote Hydraulic Cylinder

The Pull-Type Gyramor is equipped for hydraulic operation with the John Deere Hydraulic system or the hydraulic system of any tractor having sufficient capacity and using an 8-inch stroke remote hydraulic cylinder that conforms with ASAE-SAE standards. It can also be used behind tractors not equipped with a remote hydraulic cylinder by using an adjusting screw.

Attaching Cylinder



With Gyramor blocked up 6 inches or higher, attach cylinder to cylinder support.

Extend cylinder far enough to insert pin in holes "A" as illustrated.

Make sure hoses extend approximately straight from breakaway couplers to the hose holders and that front end of hose is not too tight.

NOTE: 24-inch hose extensions are required when 205 Gyramor is equipped with inset rear mounted wheels.

Detaching Cylinder

Remove cylinder by blocking up Gyramor 6 inches or higher. Retract cylinder far enough to take the weight of machine off wheels. Remove pins from cylinder. Remove cylinder.

NOTE: If Gyramor is equipped with jackstand, it is not necessary to block up the machine. Lower the jackstand, then remove cylinder.

Detaching From Tractor

Lower parking stand and secure with set screw.

Retract leveling screw or cylinder until the weight of the Gyramor is off the tractor drawbar.

Press in on plunger and remove power take-off yoke from powershaft on tractor.

Remove bolt from clevis and tractor drawbar.

Disconnect hoses from tractor couplers or detach cylinder from Gyramor.

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