



# 315 DISK



JOHN DEERE

## OPERATORS MANUAL

### 315 DISK

OMA46072 J2 English

**PLOW & PLANTER WORKS**  
**OMA46072 J2**

LITHO IN THE U.S.A.  
ENGLISH



## INTRODUCTION



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.

“Right-hand” and “left-hand” sides are determined by facing the direction the disk will travel when being transported.

Record your disk serial number in the space provided on page 56. Your dealer needs this information to give you prompt, efficient service.

The general disk warranty appears on your copy of the purchase order which you should have received from your dealer when you purchased the disk. The warranty on disk gang bearings is as follows:

### JOHN DEERE TWO YEAR DISK GANG BEARING WARRANTY

#### We Will:

1. Pay parts and labor to replace any gang bearing which fails through normal use within two years from the recorded date the machine warranty starts.
2. This warranty applies to all 215, 235, 315, 335, 355, 375, and 455 model John Deere Disks.

#### You Must:

1. Maintain, adjust, operate and lubricate the disk as recommended in the operator's manual.
2. Have any gang bearing replacement performed by an authorized John Deere Dealer.

Because John Deere sells its products worldwide, 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.



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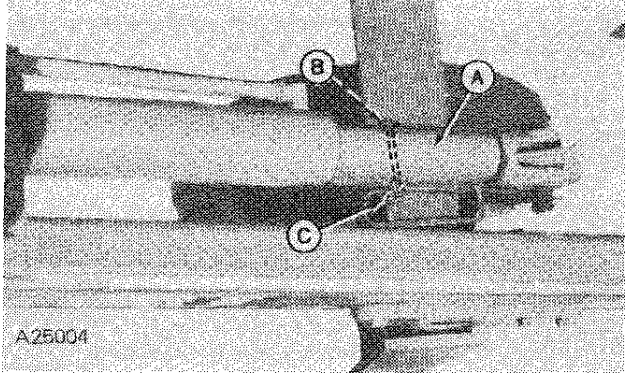
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# Safety

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## Transport Safety

While transporting the disk on a public road, follow safety instructions outlined under "Transporting."

Use care when transporting across rough ground.

Before transporting the disk, fully extend the hydraulic cylinder and install transport lock (A) on cylinder rod. Secure transport lock with retaining pin (B) and spring locking pin (C).

## Lubricate the Disk Safely

Do not grease, oil or adjust the disk while it is in motion.

## Dispose of Spray Cans Safely

If spray can paint is used for protecting disk blades to be put in storage, be careful when discarding the empty can. Do not incinerate or puncture can.

## Avoid Injury From Disk Blades

When removing or installing scraper blades or scrapers, wear protective gloves to help prevent injury from cutting edges of disk blades.

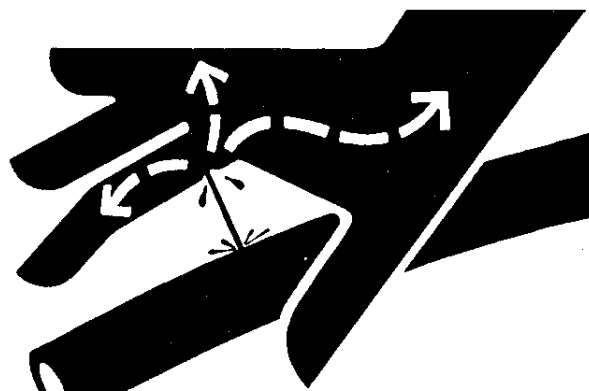
## Do Not Modify Disk

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

## AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



2-4

X9811

## Operate The Disk Safely

Be careful when operating the disk to avoid injury.

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

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

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

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

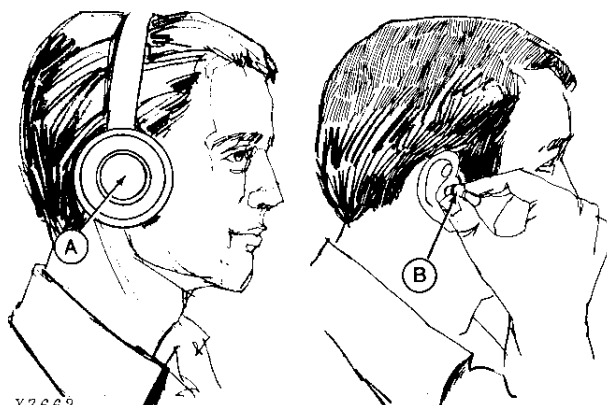
Do not leave the disk in the raised position when it is not in use. Always lower it to the ground.

When using rear hitch attachment, always lower disk to ground before unhitching from the tractor.

## Protect Against Noise

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



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X7662

2-4



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### Service Tires Safely

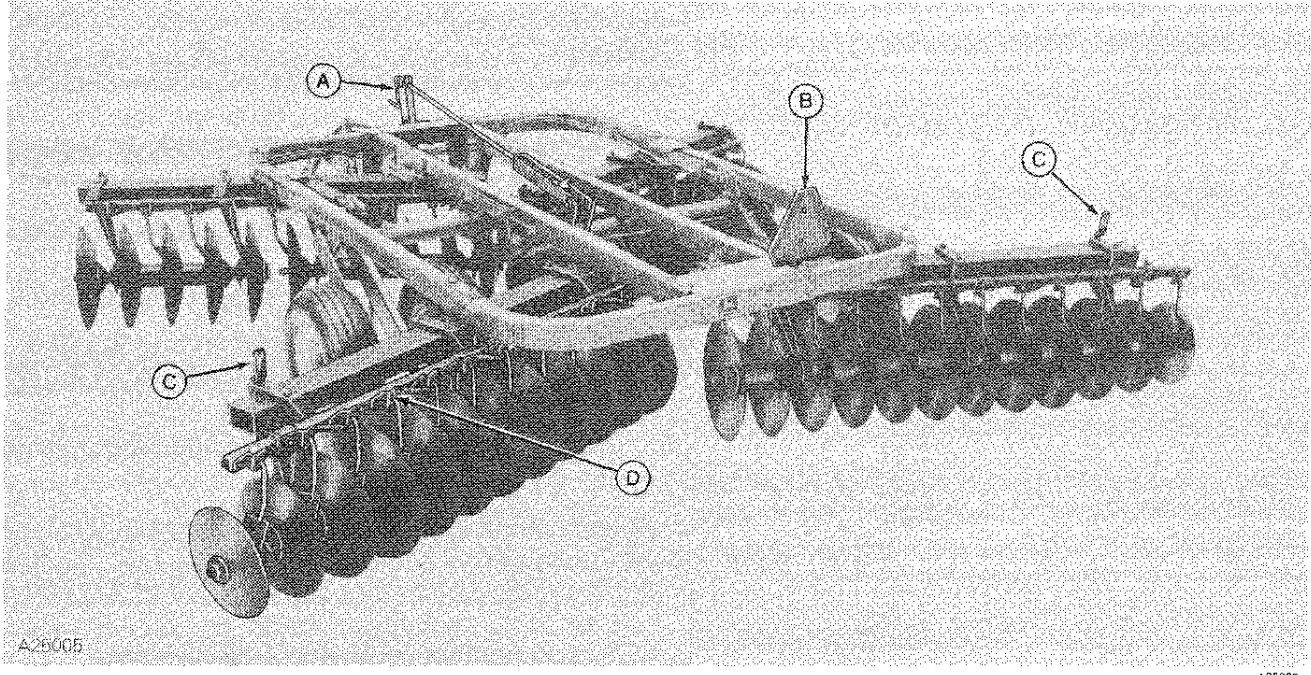
Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When sealing tire beads on rims, never exceed 241 kPa (2.4 bar) (35 psi) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when maximum pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

Detailed agricultural tire mounting instruction, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tire and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.



# Identification View



A25005

A25005

- A—Leveling Crank**
- B—Slow Moving Vehicle (SMV) Emblem (Attachment)**
- C—Reflectors**
- D—Combination Scraper**

*John Deere 315 - 15-Ft. 8-In. (4.8 m) Disk With 9-In. (230 mm) Spacing Illustrated*



# Preparing The Tractor

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## GENERAL

For complete tractor operating instructions, refer to your tractor operator's manual.

6-7

## ROCKSHAFT SELECTOR LEVER

Set the tractor rockshaft selector lever in the "min." position. Be sure rockshaft lever is set to keep 3-point hitch up at all times.

## ROCKSHAFT HEIGHT STOP LOCK 4240, 4250, 4440, 4450, 4640, 4650, 4840, AND 4850 TRACTORS

If the tractor rockshaft is accidentally lowered with a Quik-Coupler hitch on the tractor, damage can occur to the 315 Disk hitch when turning the tractor.

To prevent accidentally lowering the rockshaft while operating the disk, install AR60331 rockshaft height stop. Installation instructions are provided with the stop.



## TIRE INFLATION

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

## TRACTOR DRAWBAR

Place the tractor drawbar in the lower position.

Pin drawbar in center of drawbar support when transporting disk.

With drawbar in center of drawbar support, leave one hole clearance on both sides of drawbar when disking.

## REAR WHEEL WEIGHTING

Rear wheel weights may be necessary to eliminate excessive wheel slippage or for stability in rough or hillside fields. However, weights should not be added to the point where all slippage is eliminated. To do so would hinder maximum performance of the tractor. See your tractor operator's manual for recommended rear wheel weighting.



# Preparing The Disk

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## LUBRICATION

Lubricate the disk as instructed on pages 24-25.

## BOLT TORQUE

Be certain all bolts are tightened securely. See torque chart on page 26.

## TIRE INFLATION

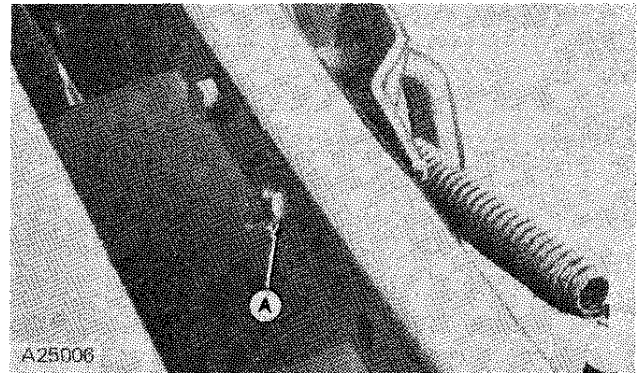
Inflate the disk tires to 207 kPa (2.1 bar) (30 psi) air pressure.

## SCRAPERS

### Rigid Scrapers

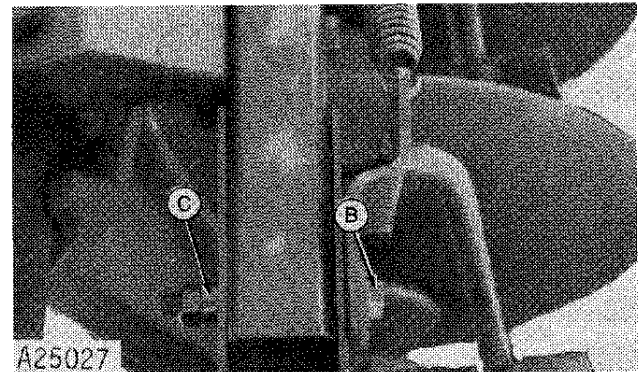
The disk is shipped with the scrapers set in the rigid position. The scrapers should be used in the rigid position for highly abrasive or sticky soil.

In the rigid position, the cap screws and lock nuts (A) securing the scrapers to the scraper tube must be tight.



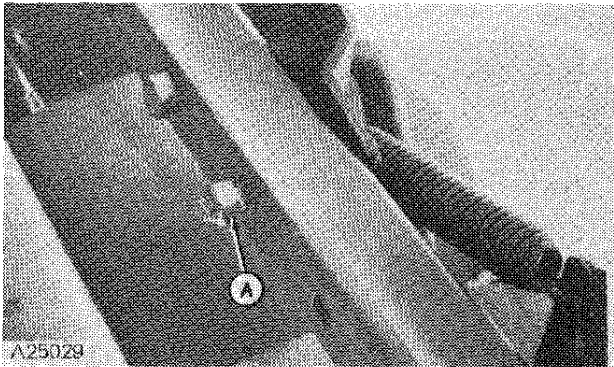
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If the disk is equipped with a furrow filler attachment, the cap screw (B) securing the scraper tube extension to the scraper tube has the spacer (C) in the storage position.



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## 10 Preparing the Disk

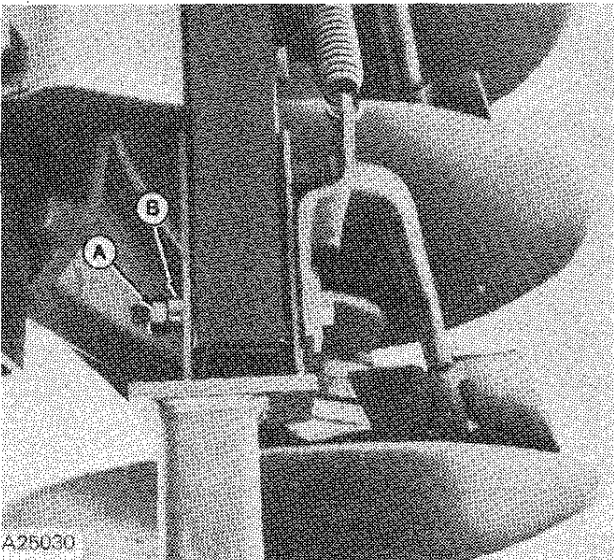


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### Self-Adjusting Scrapers

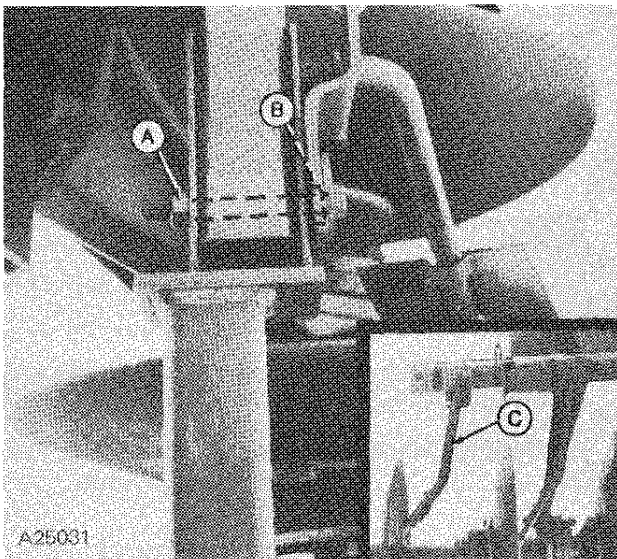
If self-adjusting scrapers are desired, loosen cap screws and lock nuts (A) a few turns. This will allow the spring tension to move the scraper arm as needed.

8-11



A25030

If the furrow filler attachment is used, remove lock nut (A), spacer (B), flat washer, and cap screw securing end gang scraper.



A25031

Insert cap screw with flat washer and spacer (B) through scraper extension, and scraper tube. Tighten lock nut (A).

The furrow filler scraper (C) remains rigid, it is not self-adjusting.

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