

# **355 Heavy-Duty Offset Disk**

**John Deere Des Moines Works  
OMN200182 Issue A9**

LITHO IN U.S.A.  
ENGLISH

# Introduction

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are U.S. customary units and their metric equivalents.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty supplied with your machine may not apply outside the U.S.

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*All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

OMN200182 A9-19-06MAR02

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A John Deere ILLUSTRATION™ Manual

# Safety

## RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



O53,ALERT -19-26JAN90

T81389 -UN-07DEC68

## UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



O53,SIGNAL -19-26JAN90

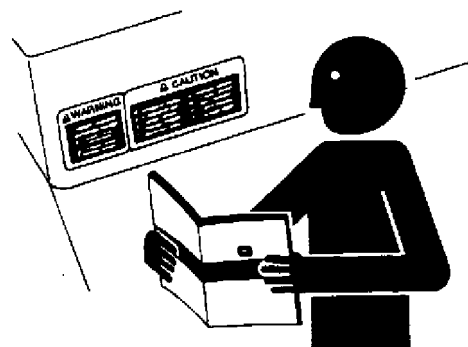
TS187 -19-30SEP88

## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



O53,READ -19-26JAN90

TS201 -UN-23AUG88



## OPERATE DISK SAFELY

Be careful when operating disk to avoid injury.

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

Wear protective gloves to prevent injury from cutting edges of disk blades or scraper blades.

Lower disk completely to the ground before unhitching from the tractor, or if the disk is to be unhitched in the raised position, be sure the disk is resting on the transport locks and the disk is on a level and firm surface.

On a disk equipped with a harrow attachment to be stored in the raised position, be sure the transport

locks have been installed on the cylinder rods and the jack is located on the rear of the disk to prevent hitch whip-up.

Shut tractor engine OFF. Move remote cylinder operating levers in both directions until all hydraulic pressure is relieved.

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

Permit only one person, the operator, on tractor platform while tractor and disk are in operation.

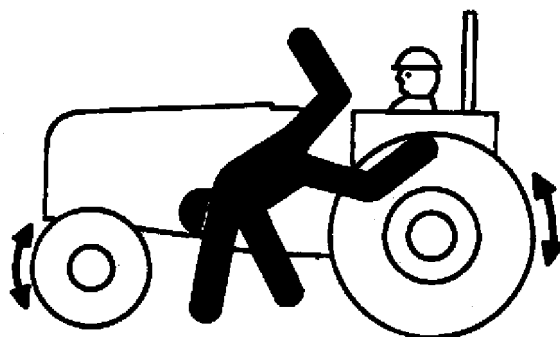
Be careful when operating on hillsides. Tractor can tip sideways if it strikes a hole, ditch or other irregularity.

B04,8SA,B -19-04JUN87

## KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



O53,RIDER -19-26JAN90

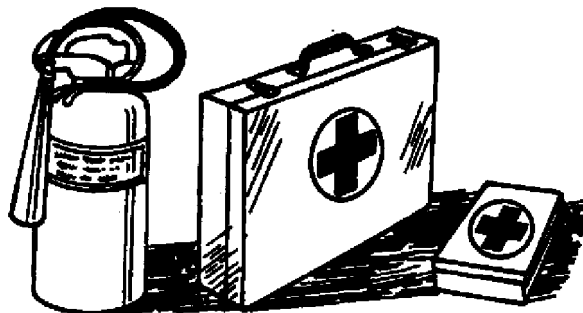
TS290 -UN-23AUG88

## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



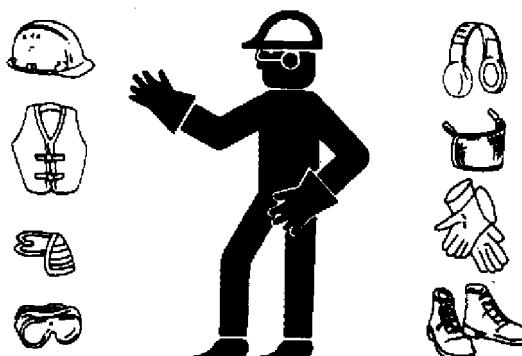
O53,FIRE2 -19-26JAN90

TS291 -UN-23AUG88



## WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.



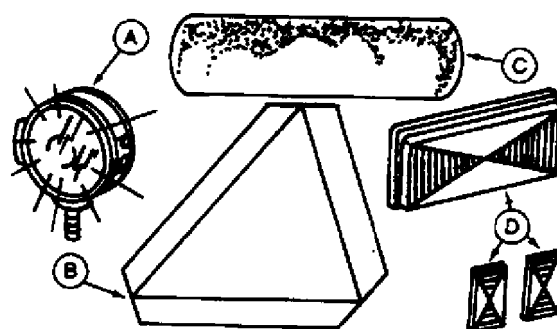
O53, WEAR2 -19-26JAN90

TS206 -UN-23AUG88

## USE SAFETY LIGHTS AND DEVICES

Use of flashing warning lights and turn signals are recommended when towing this equipment on public roads unless prohibited by state or local regulations. An implement safety lighting kit is available from your John Deere dealer.

Keep safety items in good condition. Replace missing or damaged items.



- A—Lights
- B—Slow Moving Vehicle Emblem
- C—Reflector Tape
- D—Reflectors

O53, FLASH -19-26JAN90

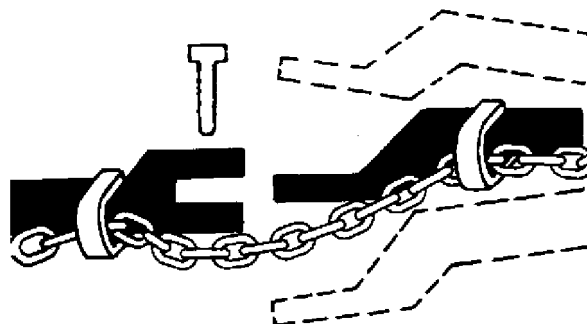
N36564 -UN-10FEB89

## USE A SAFETY CHAIN

A safety chain will help control drawn equipment should it accidentally separate from the drawbar.

Using the appropriate adapter parts, attach the chain to the tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning.

See your John Deere dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine. Do not use safety chain for towing.



O53, CHAIN -19-26JAN90

TS217 -UN-23AUG88



## TRANSPORT SAFELY

Make sure hitch is in transport position.

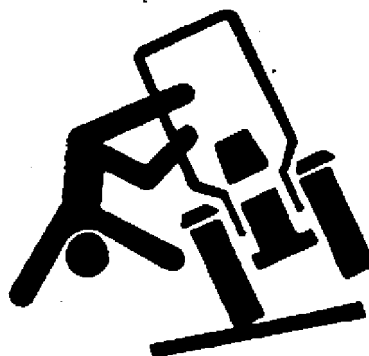
Make sure machine is level.

Install all transport locks on cylinders.

Travel at a speed which permits adequate control of steering and stopping.

Reduce speed when traveling over rough or uneven ground.

Drawbar should be pinned so it will not swing.



B04,355C,A1 -19-29NOV88

N39084 -UN-30MAR89

## PRACTICE SAFE MAINTENANCE

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate or service machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



O53,SERV -19-26JAN90

TS218 -UN-23AUG88



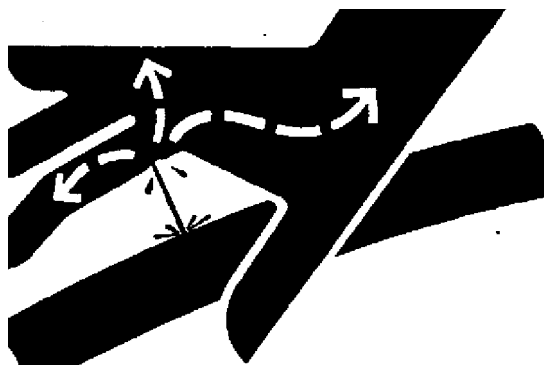
## AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury may call the Deere & Company Medical Department in Moline, Illinois, or other knowledgeable medical source.



X9811 -UN-23AUG88

O53,FLUID -19-26JAN90



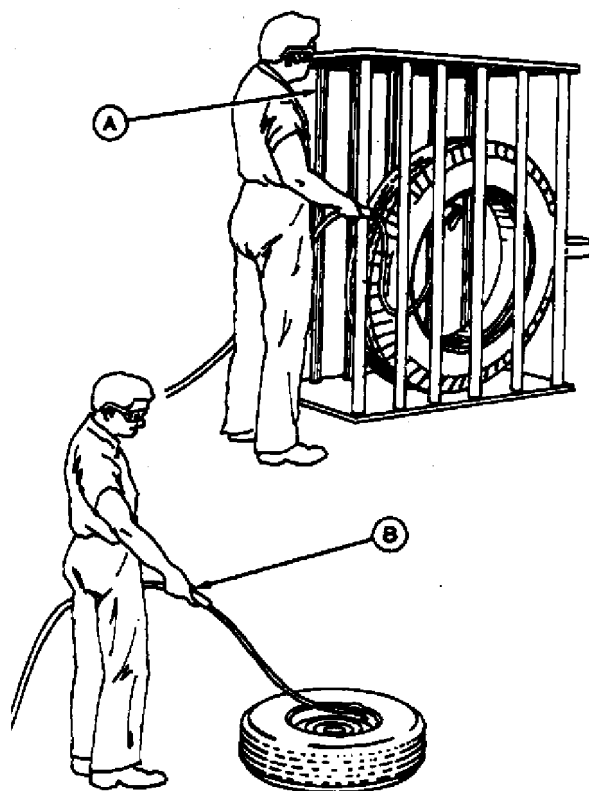


## SERVICE TIRES SAFELY

**CAUTION:** 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 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.

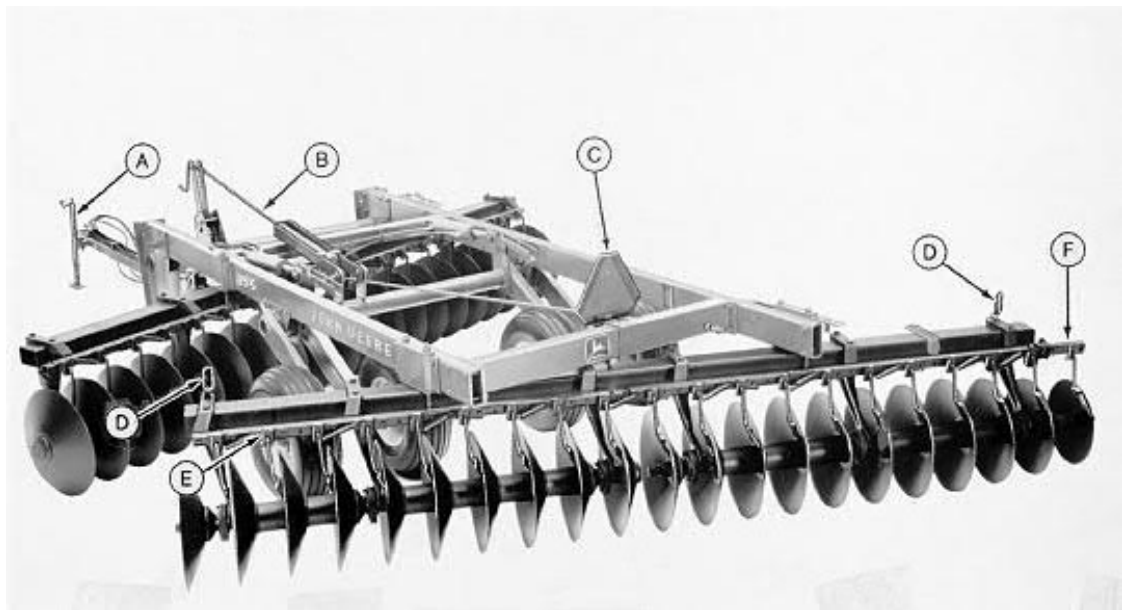
- A—Use a Safety Cage if Available
- B—Do Not Stand Over Tire. Use a Clip-on Chuck and Extension Hose.



O53,TIRE1 -19-13MAY86

TS123 -UN-23AUG88

# Identification Views



A—Hitch Jack  
B—Leveling Crank

C—Slow Moving Vehicle  
(SMV) Emblem  
(Attachment)

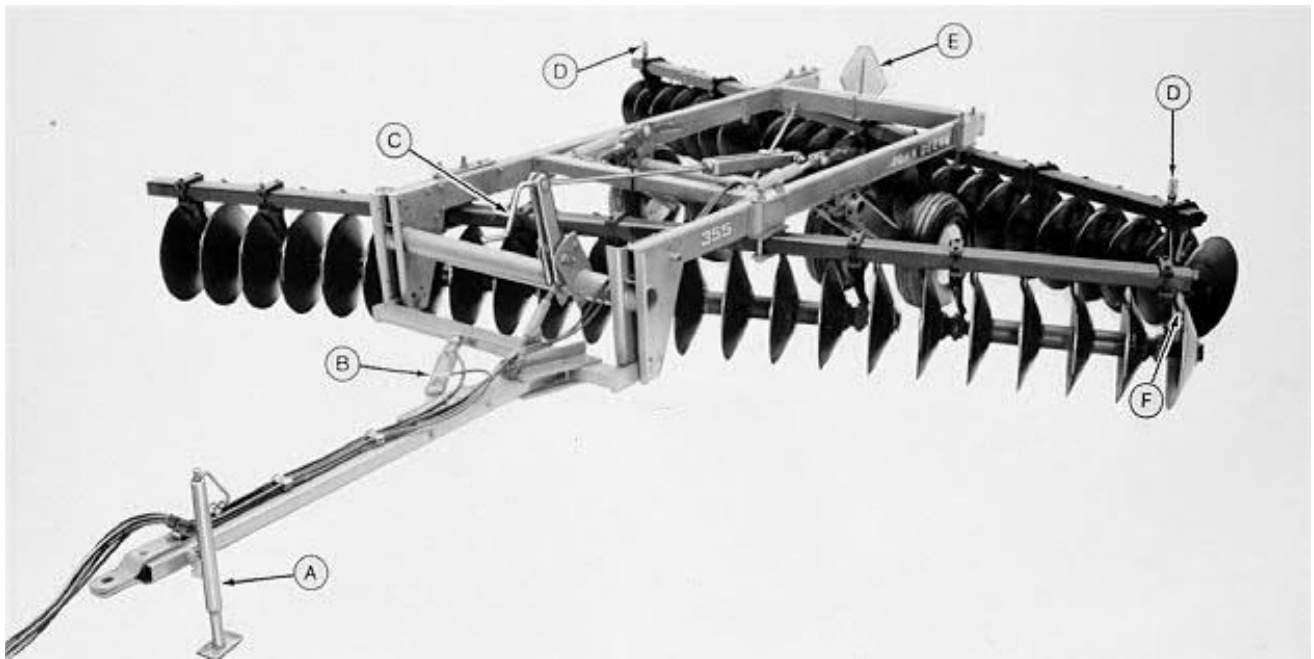
D—Reflector  
E—Combination Scraper

F—Furrow Filler (Attachment)

*John Deere 355 Disk, 14 ft 9 in. with 9 in. Spacing*

B04.8ID.A -19-04JUN87

## Identification Views



A25408  
-UN-17AUG89

A—Hitch Jack  
B—Hitch Hydraulic Cylinder

C—Leveling Crank  
D—Reflector

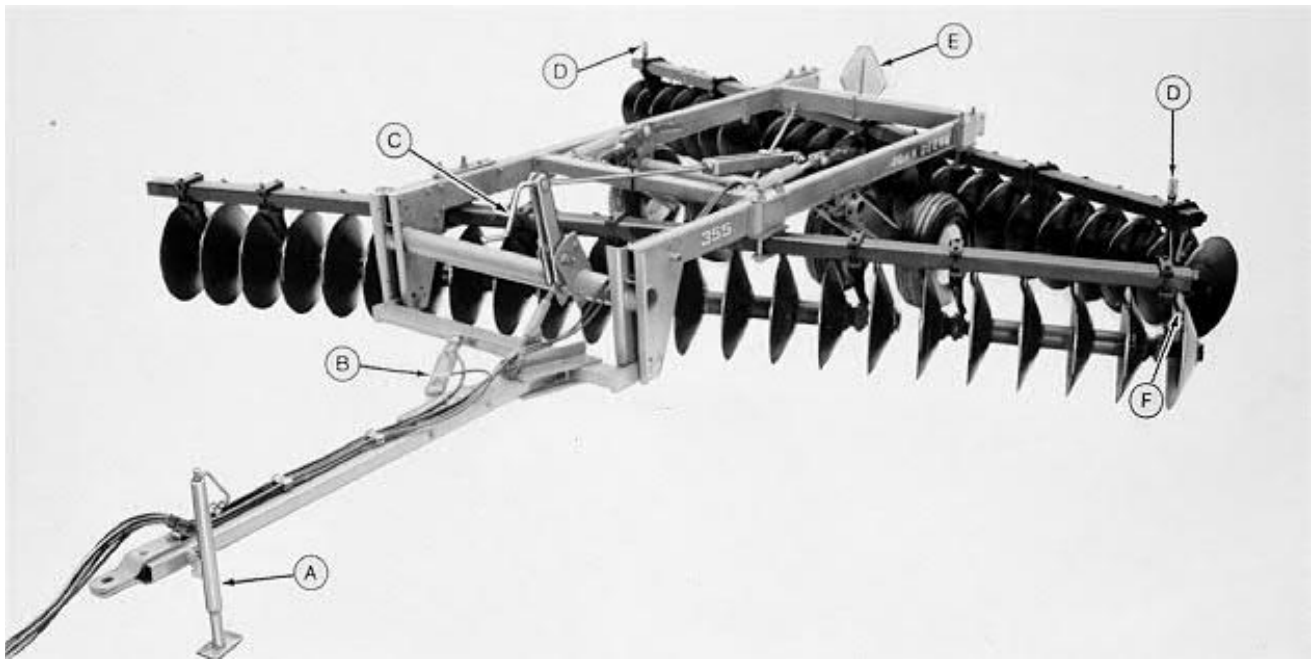
E—Slow Moving Vehicle  
(SMV) Emblem  
(Attachment)

F—Combination Scraper

*John Deere 355 Disk, 20 ft 3 in. (6.2 m) with 11 in. (280 mm) Spacing*

B04,8ID,B -19-04JUN87

## Identification Views



A25408 -UN-17AUG89

**A—Hitch Jack**  
**B—Leveling Crank**

**C—Slow Moving Vehicle  
(SMV) Emblem  
(Attachment)**

**D—Reflector**  
**E—Combination Scraper**

**F—Furrow Filler (Attachment)**

*John Deere 355 Heavy Duty Disk, 15 ft 2 in. (4.6 m) with 11 in. (280 mm) Spacing*

B04,8ID,C -19-04JUN87

# Preparing The Tractor

## RECOMMENDED TRACTORS

11 ft 11 in. (3.6 m) disk with 9 in. (230 mm) blade spacing — for tractors from 110 PTO hp (83 kW) to 140 PTO hp (104 kW).

12 ft 6 in. (3.8 m) disk with 11 in. (280 mm) blade spacing — for tractors from 110 PTO hp (83 kW) to 140 PTO hp (104 kW).

13 ft 4 in. (4.1 m) disk with 9 in. (230 mm) blade spacing — for tractors from 110 PTO hp (83 kW) to 140 PTO hp (104 kW).

13 ft 5 in. (4.1 m) disk with 11 in. (280 mm) blade spacing — for tractors from 130 PTO hp (97 kW) to 165 PTO hp (123 kW).

14 ft 9 in. (4.5 m) disk with 9 in. (230 mm) blade spacing — for tractors from 130 PTO hp (97 kW) to 165 PTO hp (123 kW).

15 ft 2 in. (4.6 m) disk with 11 in. (280 mm) blade spacing — for tractors from 130 PTO hp (97 kW) to 165 PTO hp (123 kW).

15 ft 2 in. (4.6 m) heavy-duty disk with 11 in. (280 mm) blade spacing — for tractors from 185 PTO hp (123 kW) to 300 PTO hp (175 kW).

16 ft 1 in. (4.9 m) disk with 9 in. (230 mm) blade spacing — for tractors from 130 PTO hp (97 kW) to 165 PTO hp (123 kW).

16 ft 9 in. (5.1 m) disk with 11 in. (280 mm) blade spacing — for tractors from 156 PTO hp (116 kW) to 190 PTO hp (142 kW).

18 ft 2 in. (5.5 m) disk with 9 in. (230 mm) blade spacing — for tractors from 156 PTO hp (116 kW) to 190 PTO hp (142 kW).

18 ft 6 in. (5.6 m) disk with 11 in. (280 mm) blade spacing — for tractors from 156 PTO hp (116 kW) to 190 PTO hp (142 kW).

20 ft 3 in. (6.2 m) disk with 9 in. (230 mm) blade spacing — for tractors from 156 PTO hp (116 kW) to 190 PTO hp (142 kW).

20 ft 4 in. (6.2 m) disk with 11 in. (280 mm) blade spacing — for tractors from 156 PTO hp (116 kW) to 190 PTO hp (142 kW).

B04,8PT,A -19-06APR87

## DRAWBAR

**CAUTION:** When transporting disk, pin drawbar in the center extended position.

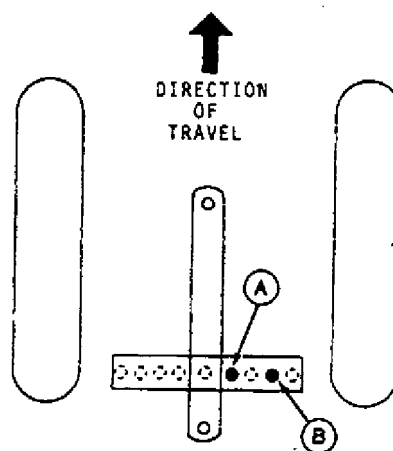
Because center steering tractors place additional stress on the disk hitch and frame, center drawbar in drawbar support leaving one hole clearance on each side when operating the disk. On all other tractors, pin the drawbar in the center position.

Set the drawbar in the upper position (offset up) for light soil conditions or when gauging depth.

Set the drawbar in the lower position (offset down) for hard soil conditions, disking stalks or primary disking.

When transporting, pin drawbar so it will not swing.

When disking, leave the right-hand drawbar pin (A) in position. Remove the left-hand drawbar pin (B) and place it in one of the holes on the right-hand side of the drawbar support.



A—Right-Hand Drawbar Pin  
B—Left-Hand Drawbar Pin

B04,8PT,B -19-04JUN87

A20207 -19-02MAY89

## ROCKSHAFT SELECTOR LEVER

If the tractor rockshaft selector lever is accidentally lowered with a quick-coupler hitch on the tractor, damage can occur to the disk hitch when turning the tractor.

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.

B04,8PT,C -19-06APR87

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