

1418
Rotary Cutter
SN (11001—)

John Deere Welland Works
OMW44174 Issue E6
(Mark old manual OMW40684 J1 for
machines up to Serial No. above)

LITHO IN U.S.A.
ENGLISH

Contents

	Page		Page
Safety	05-1	Check Driveline Frame Clearance and Driveline Length	25-4
Safety Signs	10-1	Attaching Pull-Type Cutter	25-5
Preparing the Tractor		Detaching the Cutter	
Matching PTO Speed	15-1	Detaching Driveline	30-1
Matching PTO Driveline and PTO Shaft	15-1	Detaching from 3-Point Hitch	30-2
Using Front Ballast	15-1	Detaching from Quick-Coupler	30-3
Setting Tractor Wheel Tread	15-1	Detaching from Drawbar	30-4
3-Point Hitch Cutter		Transporting	
Selecting Tractor	15-2	Transporting Safely	35-1
Positioning Drawbar	15-2	Driving Cutter on Road	35-1
Adjusting Rate of Drop	15-3	Locking Rockshaft Control Lever	35-2
Adjusting Hitch Sway Controls	15-3	Use a Safety Chain	35-2
Setting Lateral Float	15-3	Driving Cutter in Turns	35-3
Pull-Type Cutter		Using Transport Lock	35-3
Selecting Tractor	15-3	Operating the Cutter	
Positioning Drawbar	15-4	Operating Safely	40-1
Removing Quick-Coupler	15-4	Operating the PTO	40-2
Preparing the Cutter		Cutting Applications	40-2
Inspecting Blades and Blade Holder	20-1	Raising and Lowering 3-Point Hitch Cutter	40-2
Inspecting Gear Case	20-1	Raising, Lowering and Selecting Hydraulic Flow	40-3
Lubricating the Cutter	20-2	Maintaining Cutting Angle	40-3
Checking Tires and Wheels	20-2	Adjusting Cutting Height	40-4
Preparing Category 2, 3-Point Hitch	20-3	Turning 3-Point Hitch Cutter	40-5
Preparing Category 3, 3-Point Hitch	20-3	Turning Pull-Type Cutter	40-5
Preparing Category 3N, 3-Point Hitch	20-4	Using Safety Shields	40-6
Preparing Category 2, Quick-Coupler	20-4	Attachments	
Preparing Category 3 and 3N, Quick-Coupler	20-5	Front Rubber Safety Shields	45-1
Removing Baffle	20-5	Cotton Row Shields	45-2
Hydraulic Cylinder Requirement	20-5	Rear Safety Shields	45-2
Attaching the Cutter		Warning Lights	45-3
Matching PTO Driveline and PTO Shaft	25-1	Pneumatic Tires	45-3
Attaching Driveline	25-1	Used Aircraft Tires	45-3
Attaching without Quick Coupler	25-1	Laminated Tires	45-3
Attaching with Quick Coupler	25-3	Wheel Supports	45-4

Continued on next page

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.

OMW44174 E6-19-28JUN96

COPYRIGHT© 1996
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION™ Manual

Contents

	Page		Page
Blades	45-4	Checking Shear Bolt Torque	60-16
Bladeholder Pan	45-5	Replacing Shear Bolt	60-17
Jack	45-5	Shear Bolt Torque Limiter Components	60-18
Install Jack Storage Bracket	45-6	Checking Gear Case Hardware	60-19
Cylinder Stops	45-6	Removing Blades	60-19
Lubrication and Maintenance		Replacing Blades	60-20
Lubricating and Maintaining Cutter Safely	50-1	Installing Single Blades	60-20
Observing Intervals	50-1	Installing Dual Blades	60-21
Alternative Lubricants	50-2	Removing Blade Holder	60-22
Selecting Grease	50-2	Installing Blade Holder	60-23
Selecting Gear Case Oil	50-3	Storage	
Checking Gear Case Oil Level	50-3	Storing Cutter	65-1
Lubricating Constant Velocity Driveline	50-4	Removing Cutter from Storage	65-2
Lubricating Conventional Driveline	50-6	Assembly	
Lubricating Rear Shaft	50-6	Remove Dunnage and Parts	70-1
Lubricating Driveline	50-7	Add Gear Case Lubricant	70-2
Lubricating Cross Shaft Driveline	50-7	Blade Rotation	70-2
Tightening Blade Hardware	50-8	Installing Single Blades	70-3
Tightening Blade Holder Hardware	50-9	Installing Dual Blades	70-3
Lubricating Axles and Wheels	50-10	Tightening Blade Hardware	70-4
Lubricating Wheels	50-10	Assemble Shield Latches	70-4
Troubleshooting		Assemble 3-Point Hitch Cutter	70-4
Blades	55-1	Install Driveline Shields	70-7
Clutch	55-1	Assemble Pull-Type Cutter	70-8
Gear Case	55-2	Install Hydraulic Cylinder	70-12
Driveline	55-2	Install Driveline Shields	70-13
General	55-3	Install Safety Chain	70-14
Operating	55-4	Install Warning Lights	70-14
Service		Specifications	75-1
Servicing Safely	60-1	Crime Prevention Tips	80-1
Service Tires Safely	60-2	Index	
Inflating Tires	60-2		
Driveline Lengths	60-5		
Disassemble Conventional Driveline Shields	60-6		
Assemble Conventional Driveline Shields	60-7		
Disassemble Constant Velocity Driveline Shields	60-8		
Assemble Constant Velocity Driveline Shields	60-9		
Checking the Clutch	60-12		
Clutch Components	60-13		
Disassemble Clutch	60-14		
Inspect Plates	60-14		
Inspect Friction Disks	60-14		
Identify Belleville Springs	60-15		
Assemble Clutch	60-15		

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

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.



DX,ALERT -19-03MAR93

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.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88

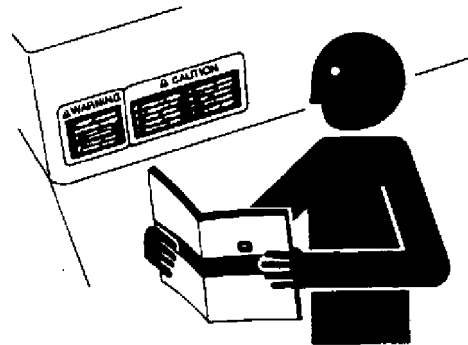
FOLLOW SAFETY INSTRUCTIONS

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. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

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.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-03MAR93

TS201 -UN-23AUG88



CHECK BEFORE OPERATING

Check condition of hydraulic hoses and connections.

Become familiar with all controls.

Check hardware and machine condition.

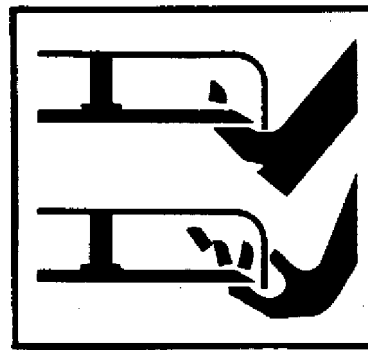
Remove foreign objects from machine.

Be sure no one is near machine or tractor.

WX,3SY,D -19-12JAN88

STAY CLEAR OF ROTATING BLADES

Rotating blades can cut or dismember, causing personal injury or death. Keep hands and feet from under cutter deck.



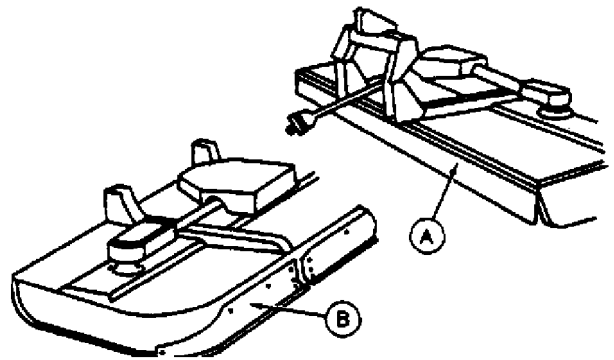
W14334 -UN-07OCT88

WX,09SY,H -19-16APR90

USE FRONT AND REAR SAFETY SHIELDS

Use both front and rear safety shields to reduce the possibility of objects being thrown by the blades.

Adjustable rear shields should be kept in lowest possible position.



W11167 -UN-09MAY89

WX,1018SY,1 -19-01MAY91

PROTECT BYSTANDERS

Never operate the cutter near people. Do not stand near the cutter while blades are in motion. Debris can be thrown hundreds of feet.

DO NOT allow children to operate tractor or cutter.

Operate the cutter from tractor seat only.



W14335 -UN-07OCT88

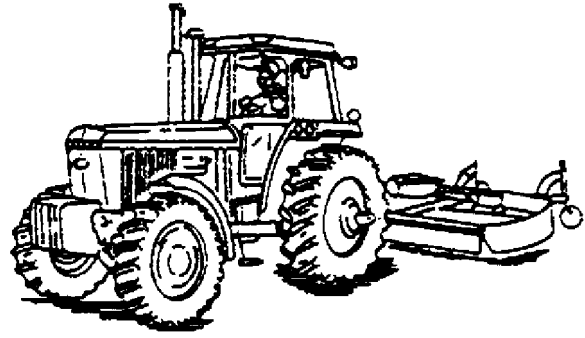
WX,3SY,F -19-12JAN88



OPERATE TRACTOR AND CUTTER SAFELY

All rotary cutters are potentially dangerous machines. This rotary cutter has been designed to minimize the chance of accidents but there is no substitute for a careful operator.

Flywheel effect of blade holder will drive tractors with transmission drive PTO's forward, even when tractor clutch is disengaged. Travel slowly near ditches, trees, or large objects. To stop, slow engine speed and apply brakes before disengaging clutch.



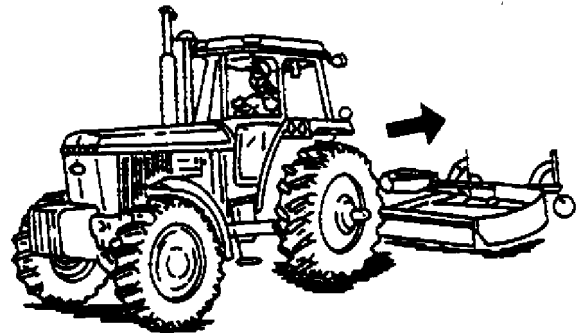
WX,1018SY,2 -19-01MAY91
-UN-07OCT88
W11366

WX,1018SY,2 -19-01MAY91

BACK UP SAFELY

Do not operate the cutter in reverse unless necessary. First, look carefully behind the cutter.

Be very careful when you back the tractor with the PTO engaged. Material can be discharged from the front of the cutter. This increases risk of injury to the operator from thrown objects.

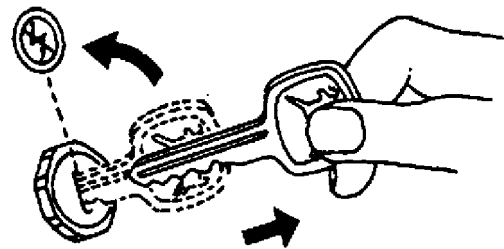


WX,1018SY,3 -19-01MAY91
-UN-07OCT88
W11166

WX,1018SY,3 -19-01MAY91

LEAVING CUTTER UNATTENDED

Lower the cutter to the ground, disengage PTO, engage parking brake or place transmission in "PARK", shut off tractor, and remove key.



WX,3SY,I -19-12JAN88
-UN-24JAN89
W9765

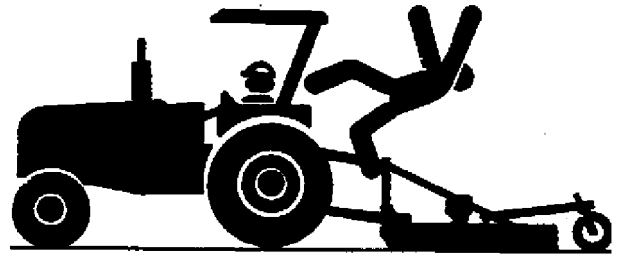
WX,3SY,I -19-12JAN88



KEEP RIDERS OFF MACHINE

KEEP RIDERS OFF.

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



W14591 -UN-05OCT88

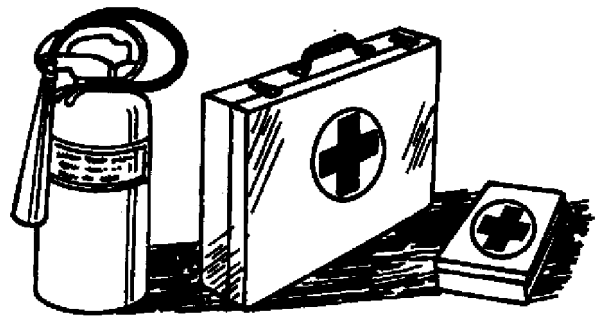
WX,1018SY,5 -19-07MAY91

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.



TS291 -UN-23AUG88

DX,FIRE2 -19-03MAR93

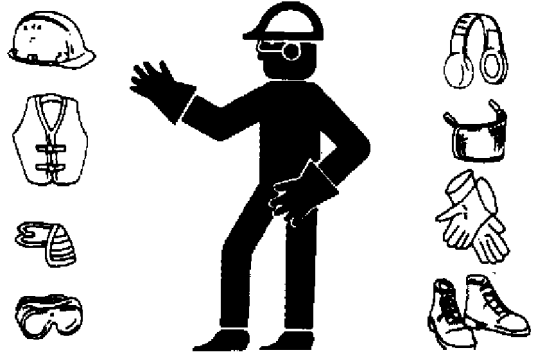
WEAR PROTECTIVE CLOTHING

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

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

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

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



TS206 -UN-23AUG88

DX,WEAR -19-10SEP90



STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



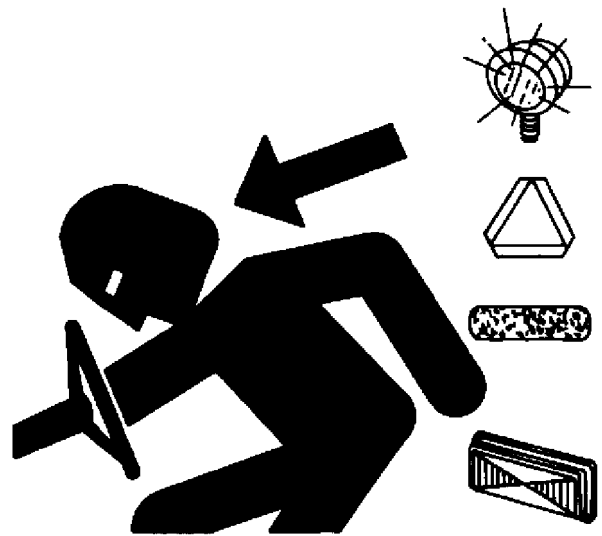
DX,PTO -19-12SEP95

TS1644 -UN-22AUG95

USE SAFETY LIGHTS AND DEVICES

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use hand signals or turn signal lights.

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost. An implement safety lighting kit is available from your John Deere dealer.



DX,FLASH -19-12SEP95

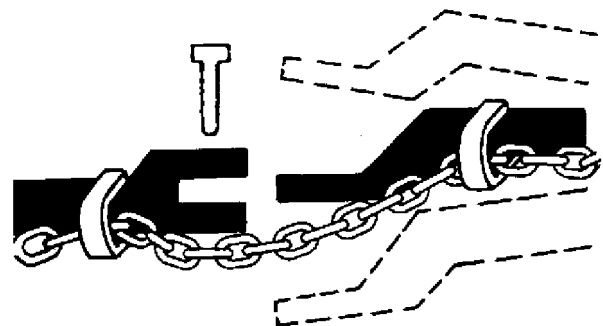
TS951 -UN-12APR90

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.



DX,CHAIN -19-03MAR93

TS217 -UN-23AUG88



Suggest:

For more complete manuals. Please go to the home page.

<https://www.ebooklibonline.com>

If the above button click is invalid. Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading



TRANSPORT SAFELY

Disengage PTO.

Slow moving vehicle (SMV) emblem and reflectors must be clean, in good condition and visible from the rear.

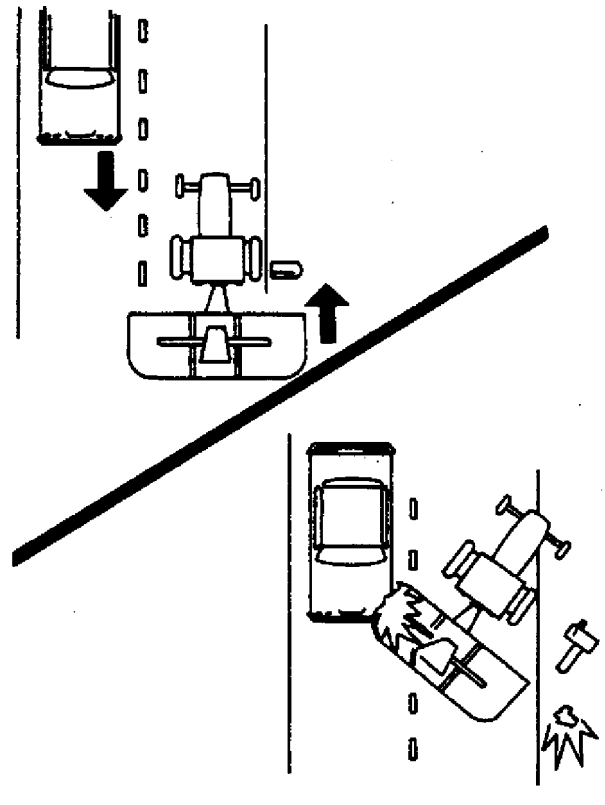
The cutter is 4.29 m (14 feet, 1 inch) wide. Beware of oncoming traffic and roadside obstructions.

Transport "3-POINT HITCH" cutter in fully raised position.

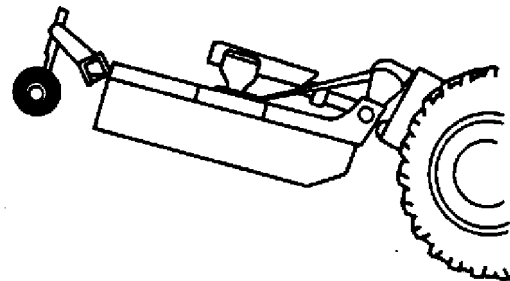
Transport "PULL-TYPE" cutter with transport link (A) engaged.

Place pin in hole toward front of bracket (as shown) for laminated tires or hole toward rear of machine for pneumatic and used aircraft tires.

Travel slowly over rough terrain.



W14366 -UN-07OCT88



W15754 -UN-25APR91



W02555 -UN-13JUN96

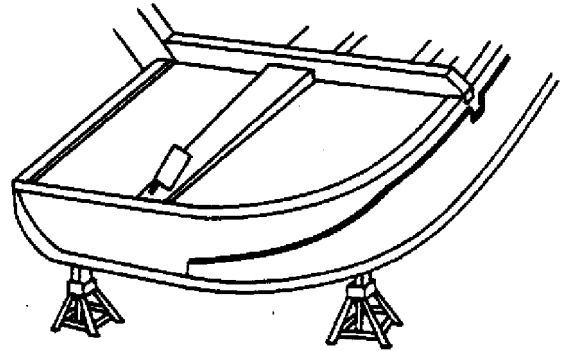
OM44174,05A -19-28JUN96



PRACTICE SAFE MAINTENANCE WHEN REPLACING BLADES AND BLADE HOLDER

The blades and blade holder may rotate for several minutes after PTO is shut off. Look and listen for rotating driveline to stop before working on the cutter.

When servicing blades or blade holder, it will be necessary to work underneath cutter. Be sure to support cutter frame with safety stands to prevent accidental lowering. Do not position safety stands under axle or wheel supports because these components can rotate.



W12803 -UN-16MAY89

WX.09SY,G -19-05APR90

PRACTICE SAFE MAINTENANCE

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

Never lubricate, service, or adjust 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.



TS218 -UN-23AUG88

DX.SERV -19-03MAR93

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>