

228A Front Mower-Conditioner

**John Deere Arc-lès-Gray
OMCC52104 Issue K9**

European Version

Printed in Germany

ANGLAIS

Contents

	Page		Page
Identification View	00-1	Operating the Front Mower-Conditioner	
Safety	05-1	Pre-operation checklist	35-1
Safety Decals	10-1	Working position	35-2
Preparing the Tractor		Double acting hydraulic front lift	35-2
Tractor front PTO speed	15-1	Starting and driving	35-3
Tractor front PTO rotation direction	15-2	Adjusting cutting height	35-4
Hydraulic coupler	15-3	Adjusting platform float	35-5
Hitching triangle	15-3	Adjusting conditioning intensity	35-6
Preparing the Front Mower-Conditioner		Checking conditioning effect	35-6
Forward position	20-1	Adjusting conditioning hood	35-7
Cutterbar rotation direction	20-2	Adjusting rotor speed	35-8
Attaching and Detaching		Adjusting windrow width	35-9
Attaching front mower-conditioner	25-1	Operating in adverse field conditions	35-9
Connecting hydraulic hose	25-2	Attachments	
Attaching stop chains	25-2	Hitching triangle	40-1
Checking for interferences	25-3	Lubrication and Maintenance	
Connecting telescoping hook-up	25-3	Service intervals	45-1
Checking PTO rotation direction	25-4	Grease requirements	45-1
Attaching windrow deflectors and rear curtain	25-4	Gear oil requirements	45-2
Adjusting mowing unit raising speed	25-5	Alternative and synthetic lubricants	45-2
Detaching front mower-conditioner	25-5	Lubricant storage	45-3
Detaching stop chains	25-5	Lubricant mixing	45-3
Detaching rear curtain and windrow deflectors	25-6	As required	45-4
Detaching telescoping hook-up	25-6	Every 10 hours	45-5
Detaching hydraulic hose	25-7	Every 50 hours	45-6
Disconnecting front mower-conditioner from tractor	25-7	Every 200 hours - cutterbar	45-7
Transporting the Front Mower-Conditioner		Draining the cutterbar	45-7
Preparing the Front Mower-Conditioner		Refilling the cutterbar	45-8
For Transport	30-1	Checking oil in the cutterbar	45-9
Observe public road legislation	30-1	Every 200 hours - central gearbox	45-9
		Draining the central gearbox	45-10
		Refilling the central gearbox	45-10
		Checking central gearbox oil level	45-10
		Every 200 hours - cutterbar lateral gearbox	45-10
		Draining the cutterbar lateral gearbox	45-11
		Refilling the cutterbar lateral gearbox	45-11

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.

OMCC52104 K9-19-01NOV99

COPYRIGHT© 1999
DEERE & COMPANY
European Office Mannheim
All rights reserved
A John Deere ILLUSTRATION® Manual

	Page
Checking cutterbar lateral gearbox oil level . . .	45-12
Every 200 hours - rotor gearbox	45-12
Draining the rotor gearbox	45-12
Refilling the rotor gearbox	45-13
Checking rotor gearbox oil level	45-13
 Troubleshooting	
Front mower-conditioner operation	50-1
Locking system for PTO	50-5
End yokes	50-6
Inboard yokes	50-7
Profile tubes	50-8
Telescoping hook-up guards	50-9
 Service	
Torque values	55-1
Moving mowing unit forward	55-2
Moving mowing unit backward	55-3
Reversing central gearbox	55-4
Adjusting hitching triangle stop	55-5
Replacing shear bolt	55-6
Adjusting belt tension	55-7
Removing drive belts	55-8
Installing drive belts	55-8
Replacing rotor tines	55-9
Adjusting transport stops	55-9
Removing disks	55-10
Installing and synchronizing disks	55-11
Direction of knife rotation	55-12
Direction of disk rotation	55-12
Checking the knives	55-13
Removing knives	55-14
Installing knives	55-15
Checking knife wear	55-16
Checking knife fitting hole	55-17
Checking hardware torques	55-17
Checking knife hardware	55-18
Checking knife bolt wear	55-19
Checking knife lock nut wear	55-20
 Storage	
After the season	60-1
Before the season	60-2
 Specifications 65-1	
 Serial Number	
Product identification number	70-1
Serial number plate description	70-1
Front mower-conditioner serial number	70-1
 Index	

<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>

Identification View



CC015261

CC015261 -JUN-13JAN00

228A Front Mower-Conditioner

CC,228AFM004760-19-15JUN99

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 -19-29SEP98

T81389 -UN-07DEC68

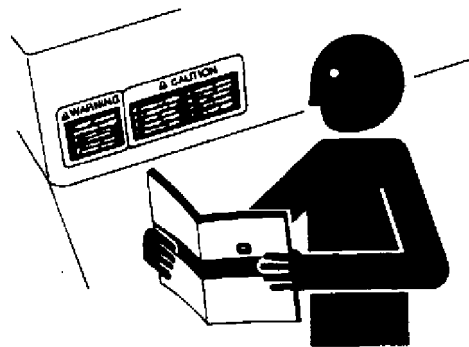
FOLLOW SAFETY INSTRUCTIONS

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

T5201 -UN-23AUG88

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

T5187 -19-30SEP88



OBSERVE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



FX,ROAD -19-01MAY91

H28930 -UN-30JUN89

STORE ATTACHMENTS SAFELY

Stored attachments such as dual wheels, cage wheels, and loaders can fall and cause serious injury or death.

Securely store attachments and implements to prevent falling. Keep playing children and bystanders away from storage area.



DX,STORE -19-03MAR93

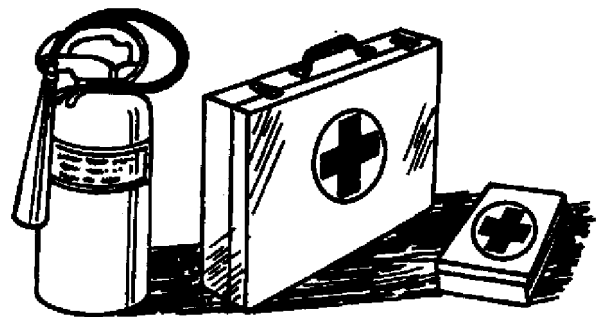
TS219 -UN-23AUG88

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.



DX,FIRE2 -19-03MAR93

TS291 -UN-23AUG88



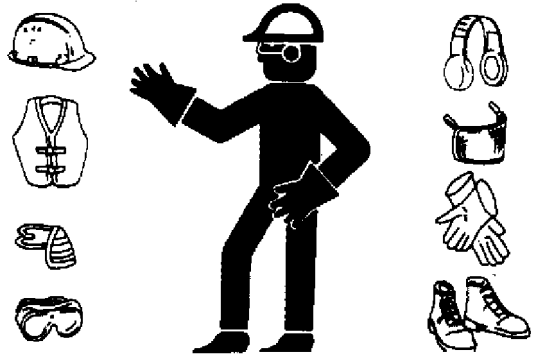
WEAR PROTECTIVE CLOTHING

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.



DX,WEAR -19-10SEP90

TS206 -UN-23AUG68

CHECK MACHINE SAFETY

Always check the road and general operating safety of the machine before using.

FX,READY -19-28FEB91

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.



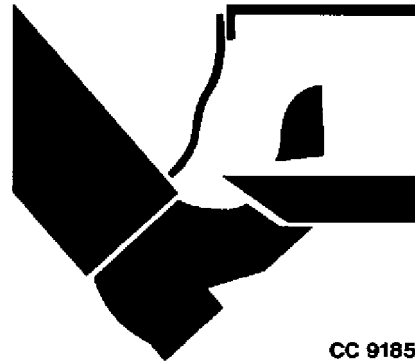
DX,PTO -19-12SEP95

TS1644 -UN-22AUG95



OPERATE SAFELY

1. Keep all curtains and shields in place.
2. Never hand feed material into the machine.
3. Do not lean against or sit or stand on the cutterbar curtains or their supporting framework.
4. Do not operate mower-conditioner with cutterbar in raised position.
5. Regularly check that disk and knife bolts are tight; also verify that tines are securely mounted on rotor.
6. Always operate the machine at rated speed.
7. Drive slowly over rough ground.
8. Provide sufficient weight to stabilize the tractor when operating on hilly land or other adverse conditions. See your tractor operator's manual.



CC 9185

-UN-23AUG68

TS268

-UN-07FEB95

CC9185

CC,228FM 001307-19-05APR94



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

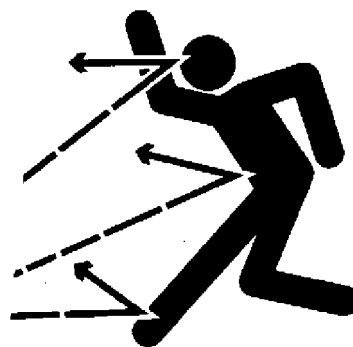


AVOID INJURY FROM THROWN OBJECTS

Extreme care must be exercised to avoid injury from thrown objects. Do not, under any circumstances, operate the mower-conditioner when other people are in the vicinity. Stones and other objects can be thrown great distances by the rotating cutting blades.

The cutterbar curtains are very important to reduce the potential for thrown objects. Always keep these curtains down when operating the mower-conditioner. Replace the curtains if they should become worn or damaged.

For additional operator protection from thrown objects, it is requested that the mower-conditioner be used only with tractors having an operator enclosure.



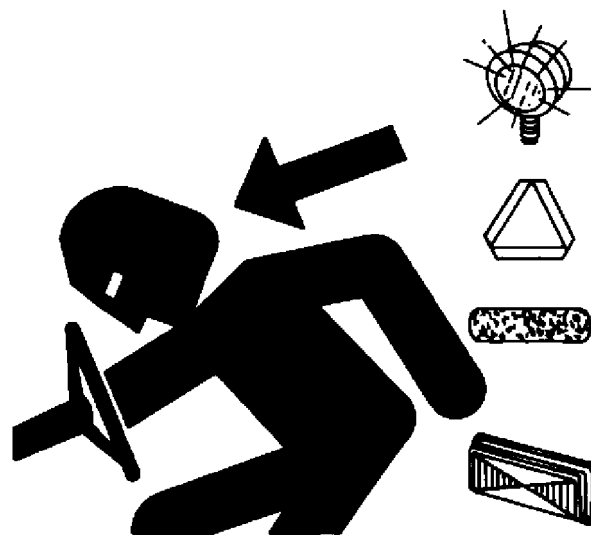
TS265 -UN-23AUG68

CC.MOCOUS000605-19-05OCT92

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 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, clean, 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.



TS951 -UN-12APR90

DX,FLASH -19-07JUL99



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.

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.



DX,SERV -19-04FEB99

-UN-23AUG88

TSS218

<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>