

**1350, 1360, 1460  
and 1470  
Mower-Conditioners**

**John Deere Arc-lès-Gray  
TM3268 (08AUG03)**

Printed in Germany  
**ANGLAIS**

**1350, 1360, 1460  
and 1470  
Mower-Conditioners**

**TM3268 (08AUG03)**



# Introduction

## FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



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

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

**Thanks very much for your reading,  
Want to get more information,  
Please click here, Then get the complete  
manual**

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**Have any questions please write to me:  
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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.*

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# Section 10 General Information

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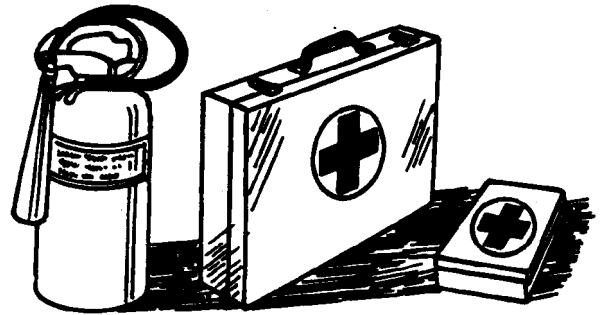


### PREPARE FOR EMERGENCIES

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.



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DX,FIRE2 -19-03MAR93

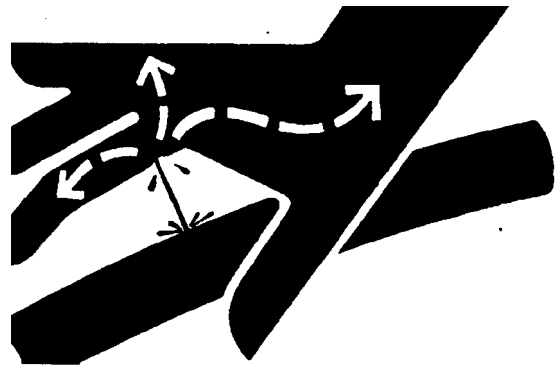
### AVOID HIGH-PRESSURE FLUIDS

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 should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



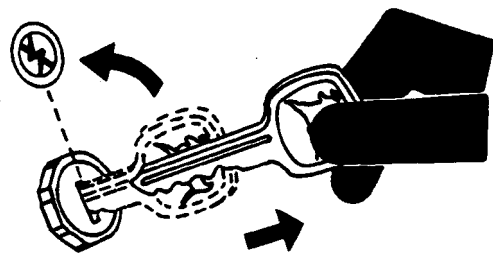
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DX,FLUID -19-03MAR93

### PARK MACHINE SAFELY

Before working on the machine:

- Lower all equipment to the ground.
- Stop the engine and remove the key.
- Disconnect the battery ground strap.
- Hang a "DO NOT OPERATE" tag in operator station.



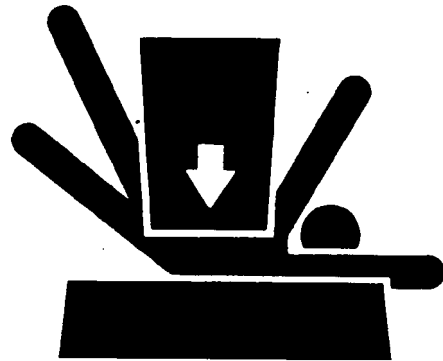
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TS230

DX,PARK -19-04JUN90

### SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load. Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



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TS229

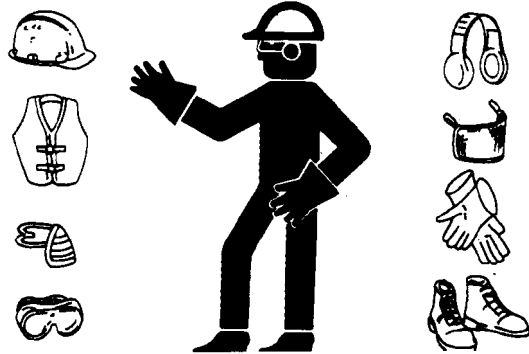
### WEAR PROTECTIVE CLOTHING

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.



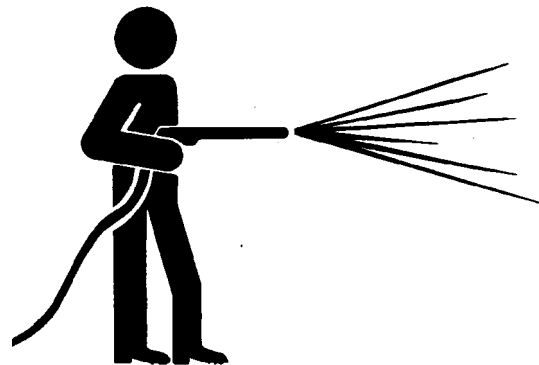
DX,WEAR -19-10SEP90

-UN-23AUG88  
TS206

### WORK IN CLEAN AREA

Before starting a job:

- Clean work area and machine.
- Make sure you have all necessary tools to do your job.
- Have the right parts on hand.
- Read all instructions thoroughly; do not attempt shortcuts.



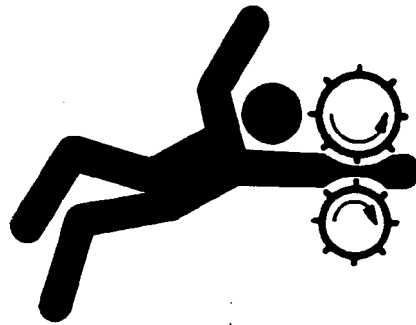
DX,CLEAN -19-04JUN90

-UN-18OCT88  
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### SERVICE MACHINES SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.

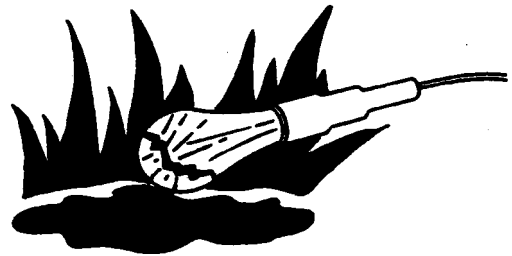


DX, LOOSE -19-04JUN90

TS228 -UN-23AUG88

### ILLUMINATE WORK AREA SAFELY

Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



DX, LIGHT -19-04JUN90

TS223 -UN-23AUG88

### REPLACE SAFETY SIGNS

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



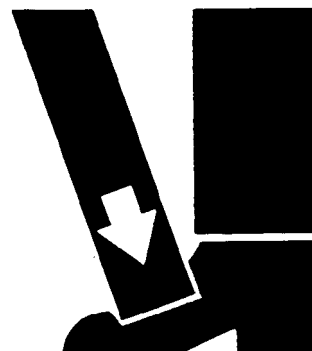
DX, SIGNS1 -19-04JUN90

TS201 -UN-23AUG88

### USE PROPER LIFTING EQUIPMENT

Lifting heavy components incorrectly can cause severe injury or machine damage.

Follow recommended procedure for removal and installation of components in the manual.



DX, LIFT -19-04JUN90

TS226 -UN-23AUG88

## REMOVE PAINT BEFORE WELDING OR HEATING

Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



DX,PAINT -19-03MAR93

TS220 -UN-23AUG68

## AVOID HEATING NEAR PRESSURIZED FLUID LINES

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area.



DX,TORCH -19-03MAR93

TS953 -UN-15MAY90

## SERVICE TIRES SAFELY

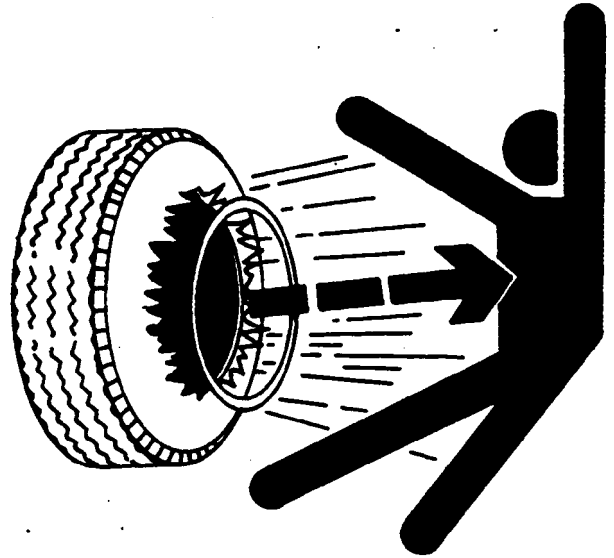
Explosive separation of a tire and rim parts can cause serious injury or death.

Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.

Check wheels for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.



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TS211

DX,RIM -19-24AUG90

## 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.



-UN-23AUG88

TS216

DX,SERV -19-03MAR93

## USE PROPER TOOLS

Use tools appropriate to the work. Makeshift tools and procedures can create safety hazards.

Use power tools only to loosen threaded parts and fasteners.

For loosening and tightening hardware, use the correct size tools. DO NOT use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches.

Use only service parts meeting John Deere specifications.



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DX,REPAIR -19-04JUN90

## DISPOSE OF WASTE PROPERLY

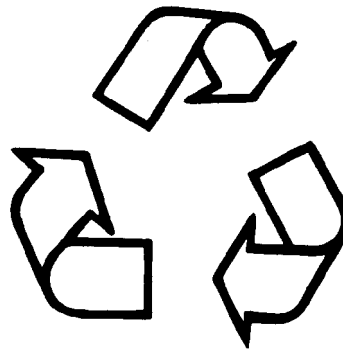
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.



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TS1133

DX,DRAIN -19-03MAR93

## LIVE WITH SAFETY

Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.



DX,LIVE -19-25SEP92

TS231 -19-07OCT88

Safety



**1350 MOWER-CONDITIONER**

**CUTTERBAR**

Cutting width . . . . .	2.50 m (8 ft. 3 in.)
Cutting height . . . . .	29 to 138 mm (1.14 to 5.4 in.)
Number of disks . . . . .	5
Number of knives . . . . .	10 (2 per disk)
Disk speed . . . . .	2610 rpm
Orbit diameter of knives . . . . .	610 mm (2 ft.)
Knives . . . . .	reversible and retractable

**CONDITIONER IMPELLER**

Rotor width . . . . .	1760 mm (5 ft. 9 in.)
Number of tines . . . . .	49
Rotor speed . . . . .	630 or 870 rpm
Orbit diameter of tines . . . . .	594 mm (1 ft. 11-1/2 in.)
Conditioner adjustment . . . . .	10 to 120 mm (25/64 to 4-23/32 in.)
Windrow width . . . . .	0.7 to 1.3 m (2 ft. 3 in. to 4 ft. 3.5 in.)
Operating speed . . . . .	6 to 15 km/h (4 to 9 mph)

**TRANSMISSION**

Recommended tractor power . . . . .	40 kW (55 hp) or more
PTO speed . . . . .	540 rpm
Drive line . . . . .	4 universal joints
Overrunning and slip clutch . . . . .	multi-disk
Hardware . . . . .	metric
Tire size . . . . .	7.00-12 6 PR, 11L-14 6PR or 11L-16 6PR
Tire inflation pressure . . . . .	refer to Operator's Manual

**DIMENSIONS**

Length . . . . .	5.5 m (18 ft.)
Width, transport position . . . . .	2.5 m (8 ft. 2 in.)
Height, transport position . . . . .	1.6 m (5 ft. 2 in.)
Weight . . . . .	1500 kg (3306 lb)

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## 1360 MOWER-CONDITIONER

### CUTTERBAR

Cutting width . . . . .	3.00 m (9 ft. 8 in.)
Cutting height . . . . .	29 to 138 mm (1.14 to 5.4 in.)
Number of disks . . . . .	6
Number of knives . . . . .	12 (2 per disk)
Disk speed . . . . .	2610 rpm
Orbit diameter of knives . . . . .	610 mm (2 ft.)
Knives . . . . .	reversible and retractable

### CONDITIONER IMPELLER

Rotor width . . . . .	2200 mm (7 ft. 3 in.)
Number of tines . . . . .	56
Rotor speed . . . . .	630 or 870 rpm
Orbit diameter of tines . . . . .	594 mm (1 ft. 11-1/2 in.)
Conditioner adjustment . . . . .	10 to 120 mm (25/64 to 4-23/32 in.)
Windrow width . . . . .	0.8 to 1.8 m (2 ft. 7 in. to 5 ft. 10 in.)
Operating speed . . . . .	6 to 15 km/h (4 to 9 mph)

### TRANSMISSION

Recommended tractor power . . . . .	52 kW (70 hp) or more
PTO speed . . . . .	540 rpm / 1000 rpm
Drive line . . . . .	4 universal joints
Overrunning and slip clutch . . . . .	multi-disk
Hardware . . . . .	metric
Tire size . . . . .	11L-14 6PR or 11L-16 6PR
Tire inflation pressure . . . . .	refer to Operator's Manual

### DIMENSIONS

Length . . . . .	5.5 m (18 ft.)
Width, transport position . . . . .	3.0 m (9 ft. 10 in.)
Height, transport position . . . . .	1.6 m (5 ft. 2 in.)
Weight . . . . .	1800 kg (3968 lb)

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## 1460 MOWER-CONDITIONER

### CUTTERBAR

Cutting width . . . . .	3.00 m (9 ft. 8 in.)
Cutting height . . . . .	29 to 138 mm (1.14 to 5.4 in.)
Number of disks . . . . .	6
Number of knives . . . . .	12 (2 per disk)
Disk speed . . . . .	2610 rpm
Orbit diameter of knives . . . . .	610 mm (2 ft.)
Knives . . . . .	reversible and retractable

### ROLLS

Width . . . . .	2200 mm (7 ft. 3 in.)
Roll type . . . . .	P.U. with recessed intermittent cleats
Speed . . . . .	655 rpm
Roll spacing . . . . .	adjustable
Roll pressure . . . . .	adjustable
Drive . . . . .	belt and gearbox
Diameter . . . . .	254 mm (10 in.)
Windrow width . . . . .	0.80 to 1.80 m (2 ft. 7 in. to 5 ft. 10 in.)
Operating speed . . . . .	6 to 15 km/h (4 to 9 mph)

### TRANSMISSION

Recommended tractor power . . . . .	52 kW (70 hp)
PTO speed . . . . .	540 rpm / 1000 rpm
Drive line . . . . .	4 universal joints
Overrunning and slip clutch . . . . .	multi-disk
Hardware . . . . .	metric
Tire size . . . . .	11L-14 6PR or 11L-16 6PR
Tire inflation pressure . . . . .	refer to Operator's Manual

### DIMENSIONS

Length . . . . .	5.5 m (18 ft.)
Width, transport position . . . . .	3.0 m (9 ft. 10 in.)
Height, transport position . . . . .	1.6 m (5 ft. 2 in.)
Weight . . . . .	1800 kg (3968 lb)

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