1350, 1360, 1460 and 1470 Mower-Conditioners

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

Printed in Germany
ANGLAIS

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.

DX,TMIFC -19-22MAY92

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Section 10 General Information

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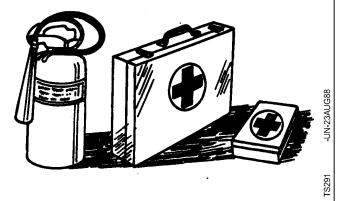
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PREPARE FOR EMERGENCIES

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.



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.

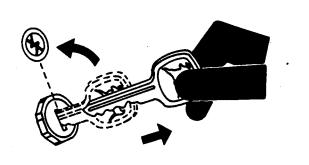


X,FLUID -19-03MAR93

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.



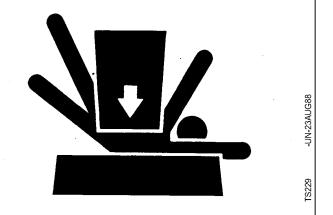
X,PARK

-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.



DX,LOWER

-19-04JUN90

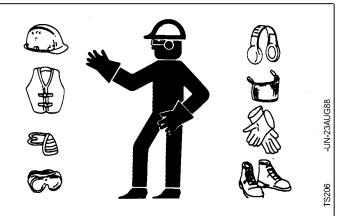
WEAR PROTECTIVE CLOTHING

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.



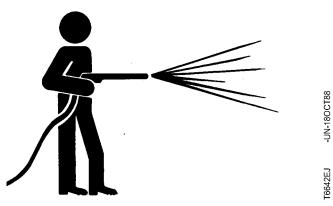
DX,WEAR

-19-10SEP90

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.

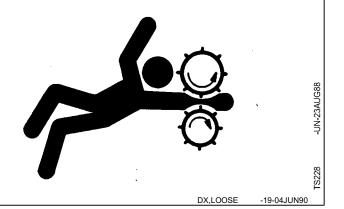


DX,CLEAN

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.



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.

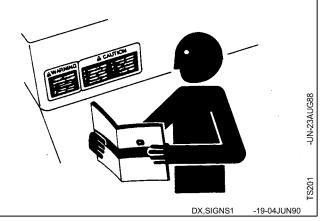


DX,LIGHT

-19-04JUN90

REPLACE SAFETY SIGNS

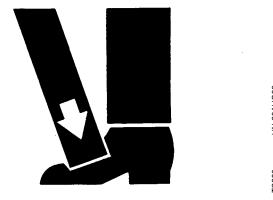
Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



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

REMOVE PAINT BEFORE WELDING OR HEATING

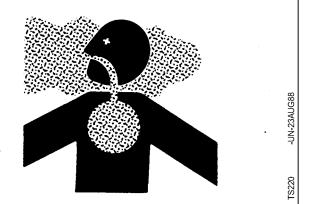
Avoid potentially toxic fumes and dust.

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:

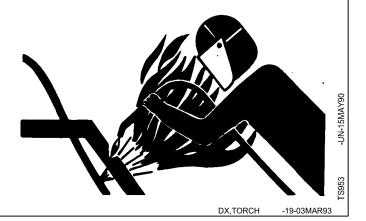
- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes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



DX,PAINT -19-03MAR93

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.



SERVICE TIRES SAFELY

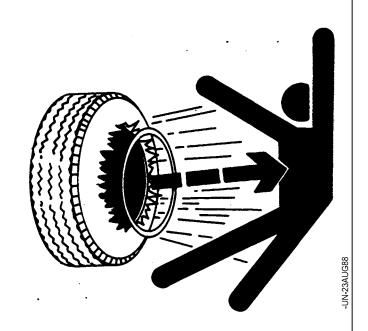
Explosive separation of a tire and rim parts can cause serious injury or death.

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.



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.



S218

DX,SERV

-19-03MAR93

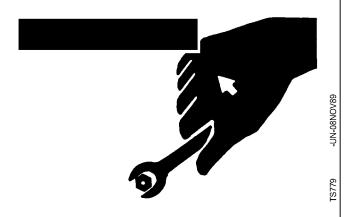
USE PROPER TOOLS

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.



DX,REPAIR -19-04JUN90

DISPOSE OF WASTE PROPERLY

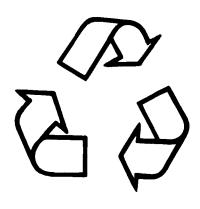
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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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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.



S231

DX,LIVE

-19-25SEP92

CUTTERBAR

Knives reversible and retractable

CONDITIONER IMPELLER

Orbit diameter of tines 594 mm (1 ft. 11-1/2 in.)

Operating speed 6 to 15 km/h (4 to 9 mph)

TRANSMISSION

Recommended tractor power 40 kW (55 hp) or more

Drive line 4 universal joints

Overrunning and slip clutch multi-disk

Hardware metric

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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CUTTERBAR

Number of disks 6

Knives reversible and retractable

CONDITIONER IMPELLER

Orbit diameter of tines 594 mm (1 ft. 11-1/2 in.)

Operating speed 6 to 15 km/h (4 to 9 mph)

TRANSMISSION

Overrunning and slip clutch multi-disk Hardware metric

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)

CC,TMMOCO000608-19-05APR93

CUTTERBAR

Number of disks6

Knives reversible and retractable

ROLLS

Roll type P.U. with recessed intermittent cleats

Speed...655 rpmRoll spacing...adjustableRoll pressure...adjustableDrive...belt and gearboxDiameter...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

Overrunning and slip clutch multi-disk Hardware metric

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)

CC,TMMOCO000609-19-05APR93

CUTTERBAR

Knives reversible and retractable

ROLLS

Roll type P.U. with recessed intermittent cleats

Speed...655 rpmRoll spacing...adjustableRoll pressure...adjustableDrive...belt and gearboxDiameter...254 mm (10 in.)

Operating speed 6 to 15 km/h (4 to 9 mph)

TRANSMISSION

Overrunning and slip clutch multi-disk Hardware metric

Tire inflation pressure refer to Operator's Manual

DIMENSIONS

 Length
 5.5 m (18 ft.)

 Width, transport position
 3.6 m (11.8 ft.)

 Height, transport position
 1.6 m (5 ft. 2 in.)

 Weight
 2200 kg (4850 lb)

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