

# **F1145 Front Mower**

## **TECHNICAL MANUAL**

**John Deere  
Worldwide Commercial and  
Consumer Equipment Division**

**TM1519 (01Sep96)**

**Safety****Specifications  
and Information****Engine—3TNE75-RJF****Engine—3TNE78-JFM****Electrical****Gear Power Train****Steering and Brakes****Hydraulics****Miscellaneous**

# CONTENTS

**Page**

<b>GENERAL INFORMATION.....</b>	<b>2</b>
HANDLE FLUIDS SAFELY - AVOID FIRES .....	2
PREVENT BATTERY EXPLOSIONS .....	2
PREPARE FOR EMERGENCIES .....	2
PREVENT ACID BURNS.....	2
AVOID HIGH-PRESSURE FLUIDS.....	3
PARK MACHINE SAFELY .....	3
SUPPORT MACHINE PROPERLY .....	3
WEAR PROTECTIVE CLOTHING .....	4
SERVICE MACHINES SAFELY .....	4
WORK IN VENTILATED AREA.....	4
ILLUMINATE WORK AREA SAFELY .....	4
REPLACE SAFETY SIGNS.....	5
USE PROPER LIFTING EQUIPMENT .....	5
KEEP ROPS INSTALLED PROPERLY .....	5
SERVICE TIRES SAFELY.....	5
AVOID HARMFUL ASBESTOS DUST .....	6
WORK IN CLEAN AREA.....	6
USE PROPER TOOLS .....	6
DISPOSE OF WASTE PROPERLY .....	7
LIVE WITH SAFETY .....	7



## GENERAL INFORMATION

## HANDLE FLUIDS SAFELY - AVOID FIRES



TS227

When you work around fuel, DO NOT smoke or work near heaters or other fire hazards.

Store flammable fluids away from fire hazards. DO NOT incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

DO NOT store oily rags, they can ignite and burn spontaneously.

## PREVENT BATTERY EXPLOSIONS



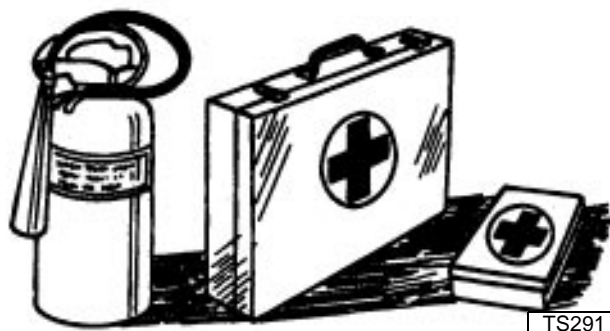
TS204

Keep sparks, lighted matches, and open flame away from the top of battery. Battery gas can explode.

Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.

DO NOT charge a frozen battery; it may explode. Warm battery to 16°C (60°F).

## PREPARE FOR EMERGENCIES



TS291

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 phone.

## PREVENT ACID BURNS



TS203

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.

4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.

## AVOID HIGH-PRESSURE FLUIDS



X9811

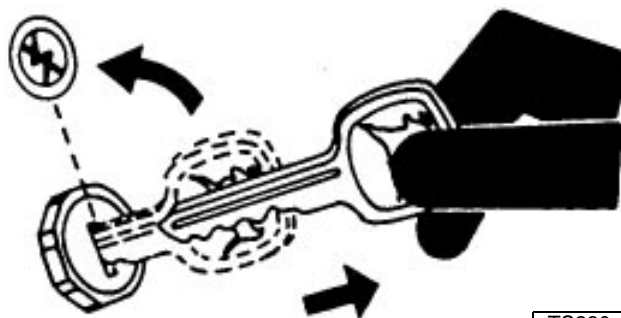
Escaping fluid under pressure can penetrate the skin causing serious injury.

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.

## PARK MACHINE SAFELY



TS230

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.

## SUPPORT MACHINE PROPERLY



TS229

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.



## WEAR PROTECTIVE CLOTHING



TS206

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 machines.

## SERVICE MACHINES SAFELY



TS228

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.

## WORK IN VENTILATED AREA



TS220

Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you **DO NOT** have an exhaust pipe extension, open the doors and get outside air into the area.

## ILLUMINATE WORK AREA SAFELY



TS223

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.

## REPLACE SAFETY SIGNS



TS201

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

## USE PROPER LIFTING EQUIPMENT

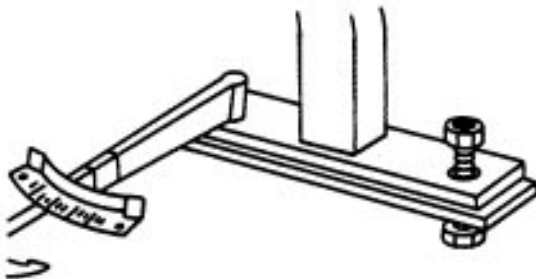


TS226

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

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

## KEEP ROPS INSTALLED PROPERLY



TS212

Make certain all parts are reinstalled correctly if the roll-over protective structures (ROPS) is loosened or removed for any reason. Tighten mounting bolts to proper torque.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting. A damaged ROPS should be replaced, not reused.



## SERVICE TIRES SAFELY



TS211

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.

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)