

**2243 Gas  
Professional  
Greensmower**  
(Serial No. 958001– )

**OPERATOR'S  
MANUAL**

**John Deere  
Lawn & Grounds Care Division  
OMMT2702 C6**

North American Version  
Litho in U.S.A  
English

# INTRODUCTION

---

---

**THANK YOU for purchasing a John Deere product.**

Read this manual and your attachment manuals thoroughly. Failure to do so could result in personal injury or equipment damage.



**WARNING:** The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

CALIFORNIA Proposition 65 Warning

This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.

Measurements in this manual are metric units and their U.S. customary equivalents. RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line arrow ( - - - → ) it indicates the part it is pointing to is hidden.

Record date of purchase and distributor name below.


<b>Date of Purchase:</b> _____
-----------------------------------

<b>Distributor Name:</b> _____	<b>Phone:</b> _____
-----------------------------------	------------------------



# INTRODUCTION

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts.

<b>Engine Serial Number:</b> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	<b>Product Identification Number:</b> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	
M73972	<b>Cutting Unit Serial Number:</b> □
<b>One on each reel.</b>	

**<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>**

## TABLE OF CONTENTS

---

	Page
<b>Safety Signs</b> .....	1
<b>Controls</b> .....	3
<b>Operating The Machine</b> .....	6
<b>Operating The Cutting Units</b> .....	25
<b>Replacement Parts</b> .....	39
<b>Service Machine Safely</b> .....	41
<b>Service Interval Chart</b> .....	45
<b>Service - Lubrication</b> .....	49
<b>Service - Engine</b> .....	54
<b>Service - Hydraulics/Transmission</b> .....	70
<b>Service - Cutting Units</b> .....	76
<b>Service - Electrical</b> .....	84
<b>Service - Miscellaneous</b> .....	91
<b>Troubleshooting</b> .....	98
<b>Storing Vehicle</b> .....	107
<b>Assembly</b> .....	111

---

## TABLE OF CONTENTS

---

---

	<b>Page</b>
<b>Specifications</b> .....	126
<b>Warranty</b> .....	136
<b>Index</b> .....	142
<b>Order Form</b> .....	149

All information, illustrations and specifications in this manual are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice.

COPYRIGHT© 1996  
John Deere Horicon Works  
All rights reserved  
Previous Editions  
COPYRIGHT© 1995, 1994, and 1993

# SAFETY SIGNS

## Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.



## Machine Safety Labels



# SAFETY SIGNS

## Machine Safety Labels

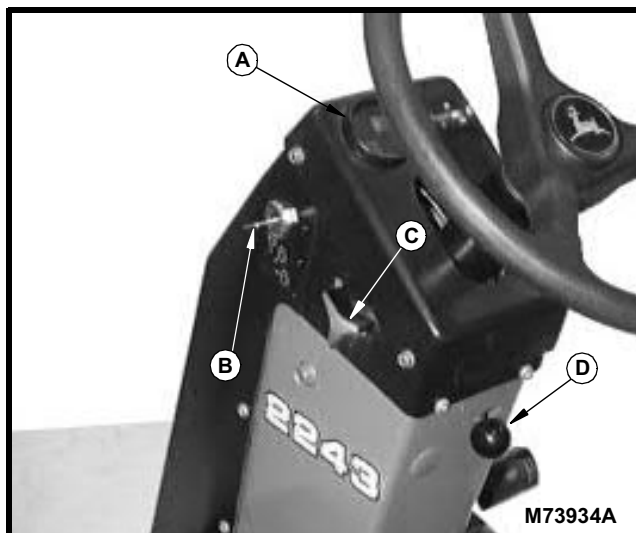


## Compliance Label

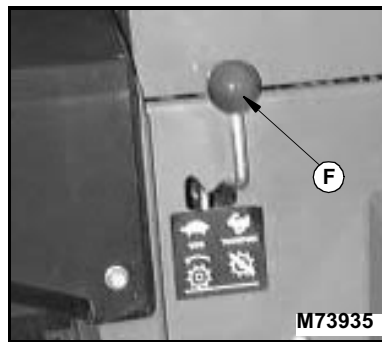
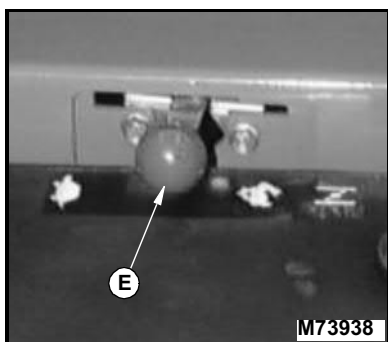
This machine has been tested and evaluated by the manufacturer and conforms to reel mower requirements of the American National Standard B-71.4.1990 for Commercial Turf Care Equipment Safety Specification.

# CONTROLS

## Console Controls



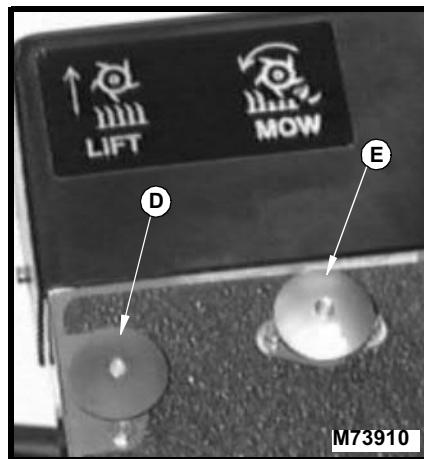
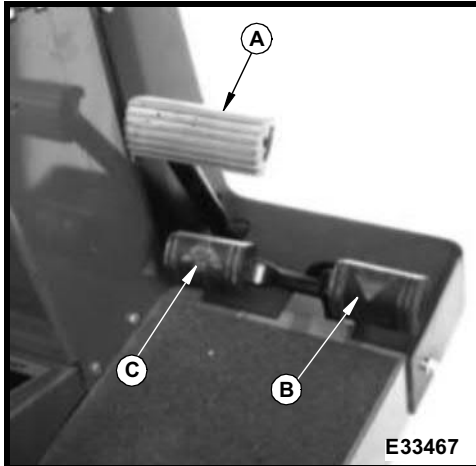
- A - Indicator Lights .....Monitors machine functions.
- B - Key..... Starts engine.
- C - Steering Wheel Adjustment .....Adjust steering wheel height.
- D - Park Brake Knob ..... Engages park brake.



- E - Throttle Lever..... Controls engine speed.
- F - Mow/Transport Lever ..... Mow position, to mow/Transport position, to transport machine.

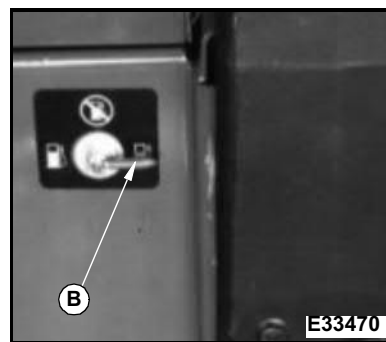
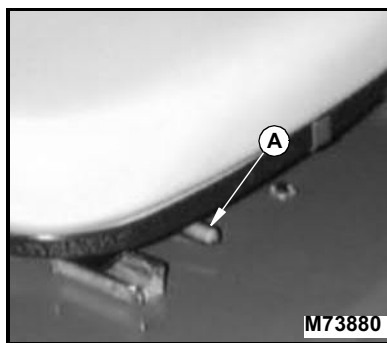
# CONTROLS

## Foot/Platform Controls



- A - Park Brake Pedal/Emergency Brake.....Stops machine.
- B - Reverse Travel Pedal ..... Backs machine.
- C - Forward Travel Pedal ..... Starts machine forward travel.
- D - Lift Switch ..... Raises cutting units.
- E - Mow Switch..... Lowers cutting units.

## Miscellaneous Controls



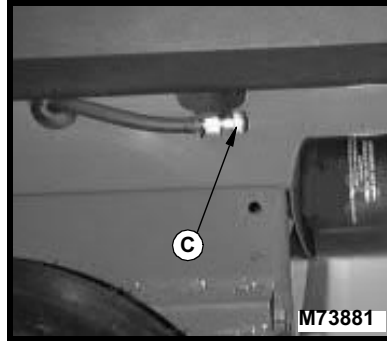
- A - Seat Adjustment..... Moves seat forward and backward
- B - Fuel Select Valve ..... Selects fuel tank

# CONTROLS

---

---

## Miscellaneous Controls (Continued)



**C - Fuel Shut-Off Valve ..... (One under each fuel tank.)**

# OPERATING THE MACHINE

---

---

## Operate Safely

- Check brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine and attachments properly maintained and in good working order.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Be careful of traffic when operating near or crossing roadways.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.



## Mount And Dismount Safely

- Do not step on pedals when mounting or dismounting.
- Keep step area and platform clean.
- Stop machine, move Mow/Transport lever to transport position, lower cutting units to the ground, lock park brake, stop engine, remove key, and wait for all moving parts to stop before dismounting.



# OPERATING THE MACHINE

---

## Park Safely

- Stop machine on a level surface, not on a slope.
- Disengage cutting units.
- Lower cutting units to the ground.
- Lock park brake.
- STOP engine.
- Remove key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.



## Keep Riders Off

- Only allow the operator on the machine. Keep riders off.
- Riders on the machine or attachment may be struck by foreign objects or thrown off the machine causing serious injury.
- Riders obstruct the operator's view resulting in the machine being operated in an unsafe manner.



## OPERATING THE MACHINE

---

---

### **Rotating Blades Are Dangerous - Protect Others And Prevent Accidents**



#### PROTECT OTHERS:

- Turn machine off if another person enters the mowing area.
- Use extra care when you come to blind corners, shrubs, trees, or other objects that may block your vision.
- DO NOT let untrained person operate the machine.
- DO NOT carry or let others ride on machine.

#### HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Be alert at all times, drive forward carefully. People can move quickly into the mowing area before you know it.
- Back carefully. Shut off cutting units and look behind the machine carefully before you back up.
- DO NOT mow in reverse.
- Shut off cutting units when you are not mowing.
- Stop engine and wait for reels to stop turning before making any adjustments to the cutting units.
- Keep hands and feet away from cutting units while machine is running.
- DO NOT operate machine if you are under the influence of drugs or alcohol.

# OPERATING THE MACHINE

---

## Avoid Tipping

- DO NOT drive where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain.
- Keep away from drop-offs.
- Slow down before you make a sharp turn or operate on a slope.
- Drive up and down a hill - not across. Be careful when you change direction on a slope.
- DO NOT try to stabilize the machine by putting your foot on the ground.



## Operator Training Required

- Study operation section of this manual before operating the machine.
- Operate machine in an open, unobstructed area under the direction of an experienced operator.
- Learn the use of all controls.
- Operator experience is required to learn the moving, stopping, turning and other operating characteristics of the machine.

## Wear Appropriate Clothing

- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.



# OPERATING THE MACHINE

---

---

## Check Wheel Bolts

- A serious accident could occur causing serious injury if wheel bolts are not tight.
- Check wheel bolt tightness often during the first 100 hours of operation.

## Transport Safely

- Use safety lights and devices. Slow moving machines when driven on public roads are hard to see, especially at night. Avoid personal injury or death resulting from a collision with a vehicle.
- Flashing warning lights are recommended whenever driving on public roads to increase visibility. Extra flashing warning lights may need to be installed.



## Avoid Neutral Creep

- The machine may creep forward or backward while in neutral with engine running.
- After engine has started, release parking brake and with directional speed control speed pedals centered, machine should not move.
- If movement is evident, neutral return mechanism is adjusted incorrectly. (See Adjusting Transmission Neutral in Service - Hydraulics/Transmission section).

## OPERATING THE MACHINE

---

### 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.

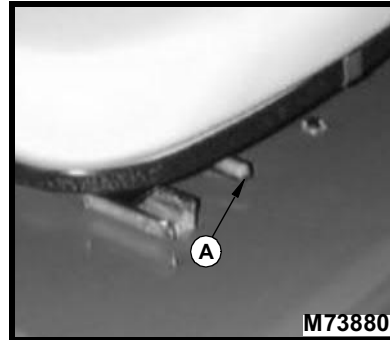


## OPERATING THE MACHINE

---

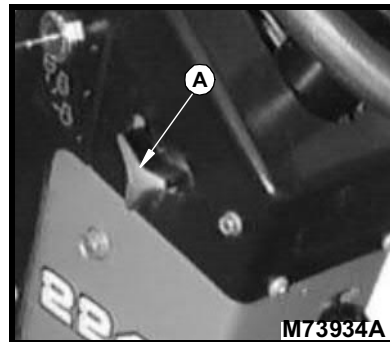
### Adjusting Seat

1. Move lever (A) to the left.
2. Slide seat forward or backward to desired position.
3. Release lever.



### Adjusting Tilt Steering Wheel

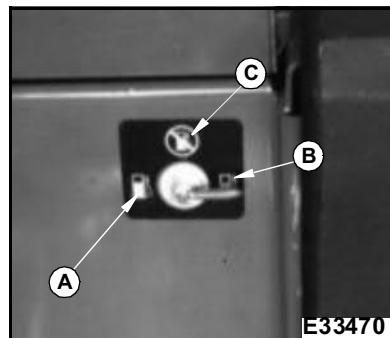
1. Loosen knobs (A) on each side of steering column.
2. Position wheel and tighten knobs.



### Using Fuel Selector Valve

Use selector valve to select right fuel tank (A) or left fuel tank (B).

To shut off fuel, select (C).



## OPERATING THE MACHINE

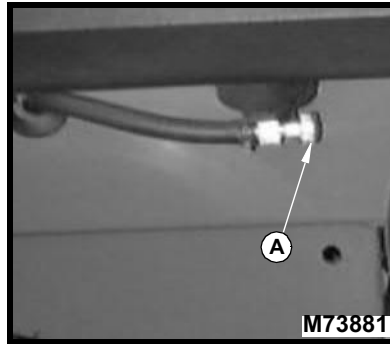
---

### Using Fuel Shut-Off Valves

Each fuel tank is equipped with a fuel shut-off valve (A).

Turn valve to the right to close.

These valves should be closed if the machine is placed in extended storage.

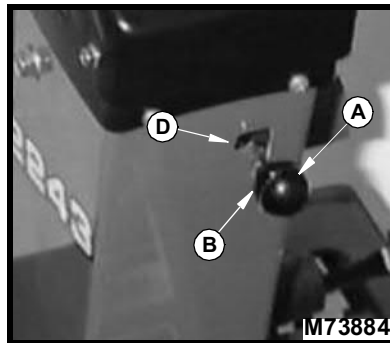


### Using The Park Brake

#### Locking the park brake:

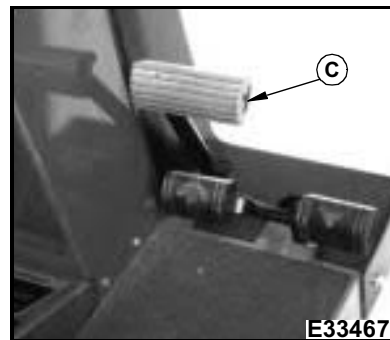
1. Move parking brake knob (A) into long slot (B).
2. Push brake pedal (C) down.
3. Release pedal. Pedal should stay down.

**NOTE: Forward and reverse pedals are operational when parking brake is locked.**



#### Unlocking the park brake:

1. Push down slightly and hold pedal.
2. Move parking brake knob up into short slot (D).
3. Release pedal.





**Suggest:**

**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**

## OPERATING THE MACHINE

---

### Indicator Lights

When key is in "START" position, all four indicator lights in module should come on.

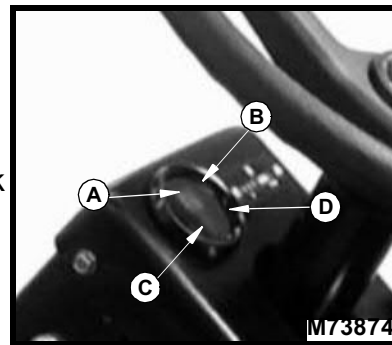
#### After the engine starts:

The Hydraulic Oil Temperature, Engine Oil Pressure, and Engine Coolant Temperature lights should go out within 5 seconds.

The Battery Discharge Indicator should go out within 10 seconds. If not, move throttle lever to 3/4 position.

If indicator lights stay on longer than given time, or while engine is running, stop engine immediately. Find and correct problem.

**Hydraulic Oil Temperature Indicator (A)** will glow when hydraulic oil temperature is high. Stop engine immediately and let hydraulic oil temperature cool. Check oil level. Continued operation may cause higher temperatures resulting in damage.



**Engine Oil Pressure Indicator (B)** will glow when engine oil pressure is low. If lamp glows when engine is running, stop engine immediately. See your John Deere distributor.

**Battery Discharge Indicator (C)** will glow when alternator is not producing adequate current. Stop engine and determine cause.

**Engine Coolant Temperature Indicator (D)** will glow if temperature becomes excessive. Stop engine and determine cause.

**<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>**