

**LT133, LT155,  
and LT166  
Lawn Tractors**  
(Serial No. 045,001 – )

**OPERATOR'S  
MANUAL**

**John Deere  
Worldwide Commercial and  
Consumer Equipment Division  
OMM138782 G8**

North American Version  
Litho in U.S.A  
English



# TABLE OF CONTENTS

---

	Page
<b>Safety</b> .....	<b>1</b>
<b>Controls</b> .....	<b>5</b>
<b>Operating the Machine</b> .....	<b>7</b>
<b>Operating the Mower</b> .....	<b>29</b>
<b>Lawn Care</b> .....	<b>42</b>
<b>Replacement Parts</b> .....	<b>50</b>
<b>Service Machine Safely</b> .....	<b>52</b>
<b>Service Intervals</b> .....	<b>54</b>
<b>Service-Engine</b> .....	<b>56</b>
<b>Service-Transmission</b> .....	<b>67</b>
<b>Service-Steering and Brakes</b> .....	<b>68</b>
<b>Service-Mower</b> .....	<b>70</b>
<b>Service-Electrical</b> .....	<b>87</b>
<b>Service-Miscellaneous</b> .....	<b>97</b>
<b>Removing Mower</b> .....	<b>105</b>
<b>Installing Mower</b> .....	<b>108</b>
<b>Troubleshooting</b> .....	<b>111</b>
<b>Storing Vehicle</b> .....	<b>119</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>Assembly .....</b>	<b>123</b>
<b>Specifications.....</b>	<b>126</b>
<b>Warranty.....</b>	<b>132</b>
<b>Index.....</b>	<b>139</b>
<b>John Deere Service Literature .....</b>	<b>147</b>

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© 1998  
Deere & Co.  
John Deere Worldwide Commercial and  
Consumer Equipment Division  
Horicon, WI  
All rights reserved  
Previous Edition  
COPYRIGHT© 1997

# 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.

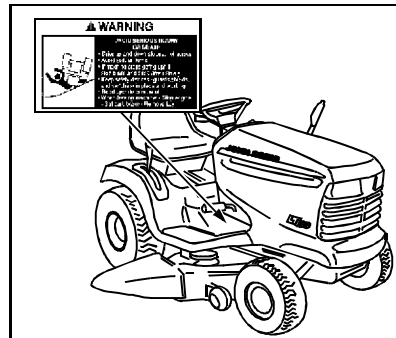
In this manual, the word CAUTION and this symbol call attention to safety messages.



## Machine Safety Labels

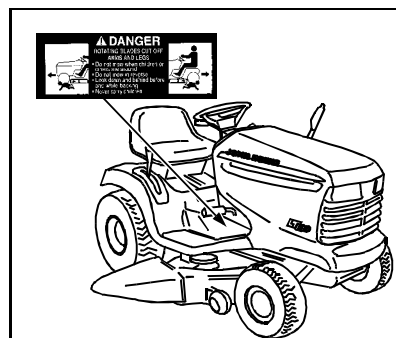
### WARNING: AVOID SERIOUS INJURY OR DEATH

- Drive up and down slopes, not across.
- Avoid sudden turns.
- If machine stops going uphill, stop blade and back down slowly.
- Keep safety devices (guards, shields, and switches) in place and working.
- Read Operator's Manual.
- When leaving machine: Stop engine, Set park brake, Remove key.



### DANGER: ROTATING BLADES CUT OFF ARMS AND LEGS

- Do not mow when children or others are around.
- Do not mow in reverse.
- Look down and behind before and while backing.
- Never carry children.

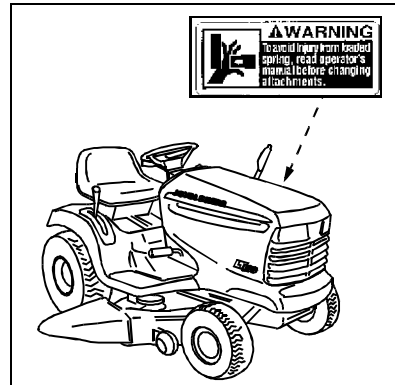


## SAFETY SIGNS

### WARNING

To avoid injury from loaded spring, read Operator's Manual before changing attachment.

- Located on Left-Hand Side of Tractor Frame with 46-Inch Deck and when Optional Lift Assist Kit is installed on 38-Inch or Freedom42 Deck



**DANGER: SHIELD EYES-  
EXPLOSIVE GASES CAN CAUSE  
BLINDNESS OR INJURY**

**NO SPARKS, FLAMES, SMOKING**

**SULFURIC ACID CAN CAUSE  
BLINDNESS OR SEVERE BURNS**

- Located on Battery

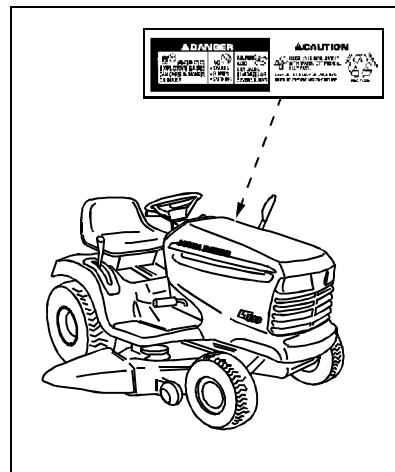
**CAUTION: FLUSH EYES  
IMMEDIATELY WITH WATER.  
GET MEDICAL HELP FAST.**

KEEP OUT OF REACH OF  
CHILDREN.

DO NOT TIP.

KEEP VENT CAPS TIGHT AND LEVEL.

- Located on Battery

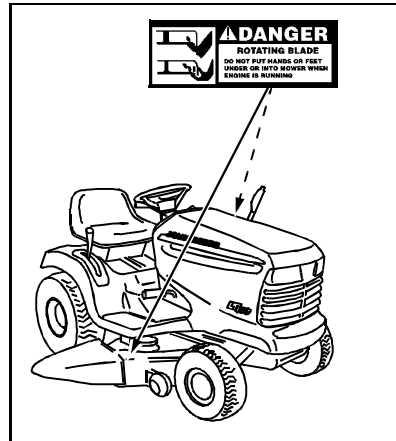


## SAFETY SIGNS

### **DANGER: ROTATING BLADE**

• DO NOT PUT HANDS OR FEET UNDER OR INTO MOWER WHEN ENGINE IS RUNNING

- 38-Inch Deck used for Illustration.  
Decals are located on:  
Left-Hand Side of ALL Decks (and)  
Right-Hand Side of 42-Inch Deck



### **DANGER: ROTATING BLADE**

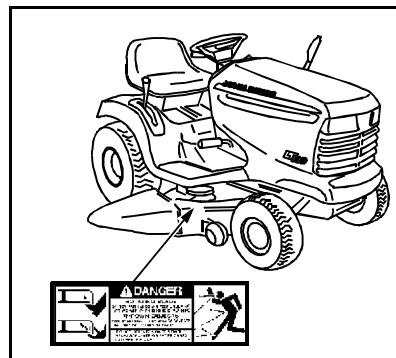
DO NOT PUT HANDS OR FEET UNDER OR INTO MOWER WHEN ENGINE IS RUNNING

### **THROWN OBJECTS**

BEFORE MOWING, CLEAR AREA OF OBJECTS THAT MAY BE THROWN BY BLADE

DO NOT OPERATE MOWER WITHOUT DISCHARGE CHUTE OR ENTIRE GRASS CATCHER IN PLACE

- Located on Right-Hand Side of 38-Inch and 46-Inch Deck



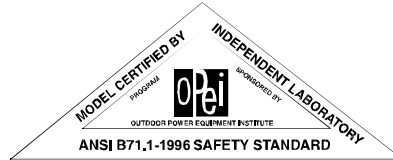
# SAFETY SIGNS

---

---

## Certification Label

This OPEI label on your mower indicates that this model has been certified by an independent laboratory for compliance with American National Standard B-71.1-1996, "Safety Specifications" for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors.

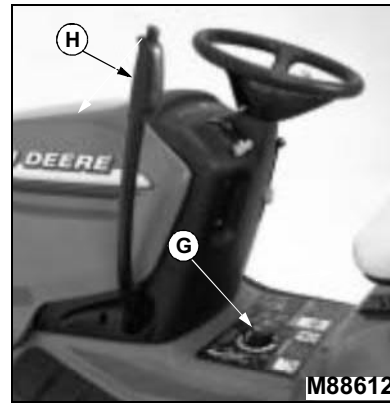
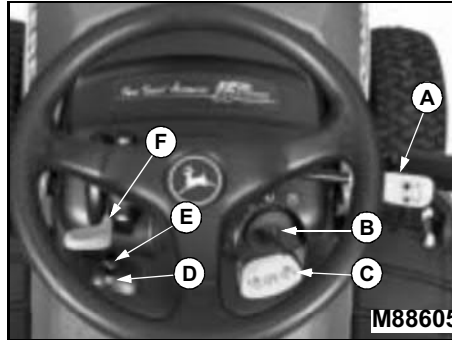


# CONTROLS

---

## Console Controls

- A - Mower Blade Engagement Lever
- B - Key Switch
- C - Park Brake Lever
- D - RIO Switch
- E - Choke Knob (LT166 Only)
- F - Throttle Lever
- G - Mower Height Control Knob
- H - Mower Lift Lever



## Foot/Platform Controls (LT133)

- A - Brake/Clutch Pedal
- B - Transmission Shift Lever



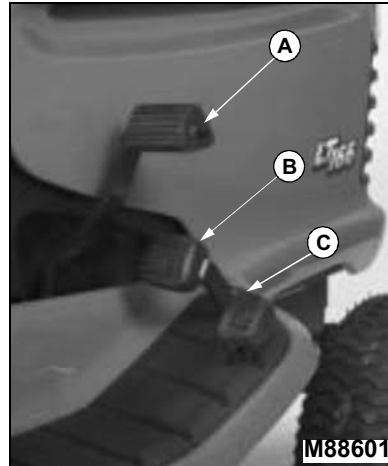
# CONTROLS

---

---

## Foot Controls (LT155 and LT166)

- A - Brake Pedal
- B - Forward Travel Pedal
- C - Reverse Travel Pedal



# OPERATING THE MACHINE

---

---

## SAFETY



### 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.

### Park Safely

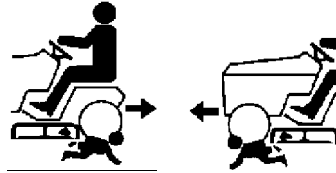
- Stop machine on a level surface, not on a slope.
- Disengage mower blades.
- Lower attachments to the ground.
- Engage park brake.
- STOP engine.
- Remove key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

## OPERATING THE MACHINE

---

---

### **Rotating Blades are Dangerous - Protect Children and Prevent Accidents**



#### PROTECT CHILDREN:

- Never assume that children will remain where you last saw them. Children are attracted to mowing activity, stay alert to the presence of children.
- Keep children in the house when you are operating the machine.
- Turn machine off if a child 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 children or an untrained person operate the machine.
- DO NOT carry or let children ride on machine or any attachment. DO NOT tow children in a cart or trailer.

#### HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Be alert at all times, drive forward carefully. People, especially children can move quickly into the mowing area before you know it.
- Back carefully. Shut off PTO and look behind the machine carefully, especially for children, before you back up.
- DO NOT mow in reverse.
- Shut off PTO when you are not mowing.
- 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.
- When pulling loads or using heavy equipment, use only approved hitches, limit loads to those you can safely control, and use counterweights or wheel weights when required per this manual or your attachment manual.
- Drive up and down a hill - not across. Be careful when you change direction on a slope.
- DO NOT stop when going up hill or down hill. If machine stops going up hill, DISENGAGE mower blades and back down slowly.
- Be careful when mowing wet grass. Reduced traction could cause sliding.
- DO NOT try to stabilize the machine by putting your foot on the ground.

## 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.



**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

---

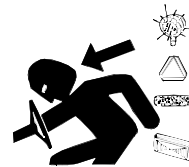
---

## 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.

## 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.
- Whenever driving on public roads, use flashing warning lights and turn signals according to local regulations. Extra flashing warning lights may need to be installed.

**<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>**