

**JOHN DEERE**  
**WORLDWIDE COMMERCIAL & CONSUMER**  
**EQUIPMENT DIVISION**

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**Walk-Behind Rotary Mower**  
**MowMentum™ JS45**

SN (100001- )

**OMGX23246 J8**

**OPERATOR'S MANUAL**



**JOHN DEERE**

North American Version  
Litho in U.S.A.

# INTRODUCTION

**⚠ 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

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## Introduction

### Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

### Using Your Operator Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

This manual and safety signs on your machine may also be available in other languages (see your authorized dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

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 (-----), the item referred to is hidden from view.

### Special Messages

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.



**CAUTION:** Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.

**IMPORTANT:** Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

**NOTE:** General information is given throughout the manual that may help the operator in the operation or service of the machine.

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.

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# PRODUCT IDENTIFICATION

## Product Identification

### Record Identification Numbers

JS45 PIN (100001-)

If you need to contact an Authorized Service Center for information on servicing, always provide the product model and identification numbers.

You will need to locate the model and serial number for the machine and for the engine of your machine and record the information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT IDENTIFICATION NUMBER:

ENGINE SERIAL NUMBER:

### Register Your Product and Warranty Online

To register your product through the Internet, simply go to [www.JohnDeereWarrantyRegistration.com](http://www.JohnDeereWarrantyRegistration.com). Completing the information, either online or with the product warranty card, will ensure the customer that their product receives all post sales service and important product information.

## Safety Labels



### Understanding The Machine Safety Labels

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

### Danger



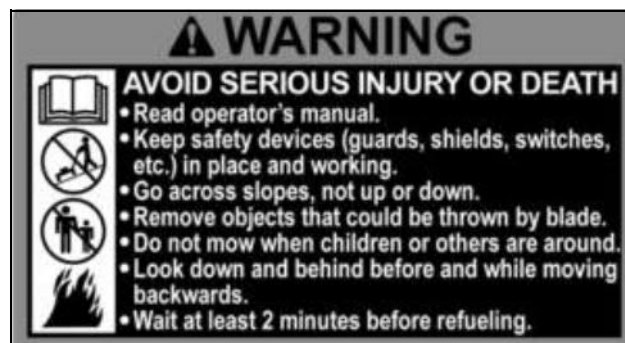
GC00586

**Picture Note:** Located on rear cover and on bagger chute.

- To avoid injury, do not operate mower without protective mulch guard, side discharge chute, or grass bagging system fastened in place.

## WARNING

### Avoid Serious Injury or Death



gx22572

- Read operator's manual.
- Keep safety devices (guards, shields, switches, etc.) in place and working.
- Go across slopes, not up or down.
- Remove objects that could be thrown by blade.
- Do not mow when children or others are around.
- Look down and behind before and while moving backwards.
- Wait at least 2 minutes before refueling.

## DANGER

### Amputation And Thrown Object Hazard



gx22572

- Keep hands and feet away from deck.
- Do not operate mower unless discharge chute or entire grass catcher is in its proper place.

# SAFETY LABELS

## DANGER



GC00671

- KEEP HANDS and FEET AWAY
- CUTTING BLADES

## CAUTION



MX39989

- Do not operate mower unless bag is properly installed
- Check bag frequently for wear and deterioration. Replace with manufacturer's recommended parts when necessary

## Emission Control System Certification Label

**NOTE:** *Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by EPA and/or CARB authorized service centers. Contact your John Deere*

## Commercial and Consumer Equipment Retailer concerning emission controls and component questions.

The presence of an emissions label signifies that the engine has been certified with the United States Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB).

The emissions warranty applies only to those engines marketed by John Deere that have been certified by the EPA and/or CARB; and used in the United States and Canada in off-road mobile equipment.

## Emission Compliance Period

If your engine has the emission compliance category listed on the emission control system certification or air index label, this indicates the number of operating hours for which the engine has been certified to meet EPA and/or CARB emission requirements. The following table provides the engine compliance period in hours associated with the category found on the certification label.

| Agency | Category     | Hours |
|--------|--------------|-------|
| EPA    | C            | 125   |
| EPA    | B            | 250   |
| EPA    | A            | 500   |
| CARB   | Moderate     | 125   |
| CARB   | Intermediate | 250   |
| CARB   | Extended     | 500   |

## Certification

Your mower has been certified by an independent laboratory for compliance with American National Standard B-71.1, "Safety Specifications" for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors.

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# SAFETY

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## Safety

### Operating Safely

- This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.
- Read, understand and follow all instructions on the machine and in the manual before starting. Be thoroughly familiar with the controls and the proper use of the machine before starting.
- Do not put hands or feet near or under the machine. Keep clear of the discharge opening at all times.
- Only allow responsible adults, who are familiar with the instructions, to operate this machine. Local regulations may restrict the age of the operator.
- Clear the area of objects such as rocks, toys, wire, and similar items which could be thrown by the blade. Stay behind the handle when the engine is running.
- Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
- Do not operate the mower barefooted or while wearing sandals. Always wear substantial footwear.
- Do not pull machine backward unless absolutely necessary. Always look down and behind before and while moving backward.
- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade when crossing gravel surfaces.
- Do not operate machine without the entire grasscatcher, discharge guard, rear guard, or other safety protective devices in place and working. Never operate with the discharge deflector raised, removed, or altered, unless using a grasscatcher.
- Never leave a running machine unattended.
- Stop the engine and wait until the blade comes to complete stop before cleaning the machine, removing grasscatcher, or unclogging the discharge guard.
- Operate machine only in daylight or good artificial light.
- Do not operate the mower while under the influence of alcohol or drugs.
- Never operate mower in wet grass. Always be sure of your footing. Walk; never run.
- Disengage the drive system, if so equipped, before starting the engine.
- If the machine should start to vibrate abnormally, stop the engine and check for the cause immediately. Vibration is generally a warning of trouble.
- Always wear safety goggles or safety glasses with side shields when operating mower.
- See manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Make any necessary adjustments before you operate.
- Before using, always visually inspect to see that the blades, blade bolts and the mower assembly are not worn and damaged. Replace worn and damaged blades as needed.
- Make sure spark plug, muffler, fuel cap and air cleaner are in place before starting the engine.

- Keep safety labels visible when installing accessories and attachments.

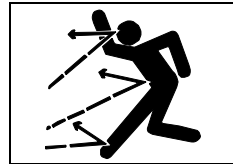
### Parking Safely

1. Stop mower on a level surface, not on a slope.
2. Disengage mower blades and wheel drive.
3. Stop the engine.
4. Wait for engine and all moving parts to stop.
5. Remove the spark plug wire before servicing the mower.

### Using a Spark Arrestor

The engine in this machine is not equipped with a spark arrestor muffler. It is a violation of California Public Resource Code Section 4442 to use or operate this engine on or near any forest-covered, brush-covered or grass-covered land unless the exhaust system is equipped with a spark arrestor meeting any applicable local or state laws. Other states or federal areas may have similar laws.

A spark arrestor for your machine may be available from your authorized dealer. An installed spark arrestor must be maintained in good working order by the operator.



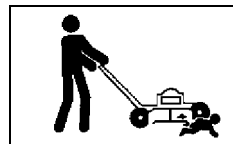
### Checking Mowing Area

- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.

- Low-hanging branches and similar obstacles can injure the operator or interfere with

mowing operation. Before mowing, identify potential obstacles such as low-hanging branches, and trim or remove those obstacles.

- Study mowing area. Set up a safe mowing pattern. Do not mow where traction or stability is doubtful.



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

#### Protect Children:

- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to lawn-mowing machines and mowing activity. Stay alert to the presence of children. Never assume that children will remain where you last saw them.

- Keep children indoors, out of the mowing area, and in the watchful eye of a responsible adult, other than the operator, when a mower is being operated.

- Be alert and turn mower off if a child enters the work area. They don't understand the dangers of rotating blades or the fact that the operator is unaware of their presence.

- Never allow a child or an untrained person to operate the machine.

- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

### Operating Safely on Slopes

- Slopes are a major factor related to slip and fall accidents which can result in severe injury. Operation on all slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

- Mow across the face of slopes, never up and down. Use extreme caution when changing direction on slopes.

- Watch for holes, ruts, bumps, rocks or other hidden objects. Uneven

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