

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

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**Walk-Behind Blower**  
**B635**

OMM161988 E0

**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.

Original Instruction  
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

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## Product Identification

### Record Identification Numbers

B635 PIN (001001-)

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:

\_\_\_\_\_

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# SAFETY LABELS

## Safety Labels



### Understanding The Machine Safety Labels

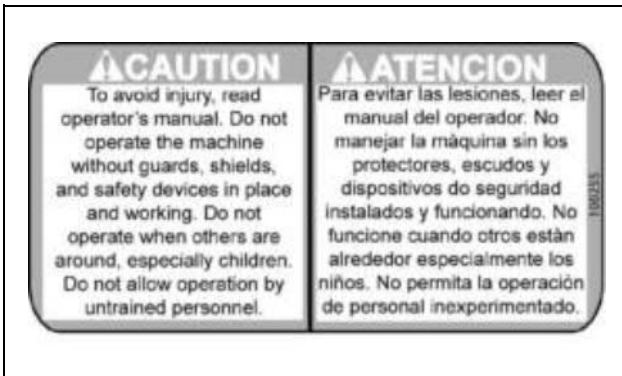
The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

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.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

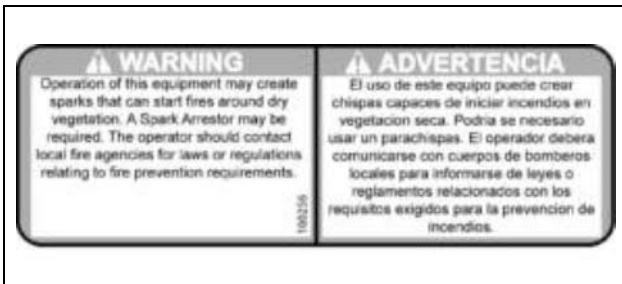
### CAUTION - 100255



100255

To avoid injury, read operator's manual. Do not operate the machine without guards, shields, and safety devices in place and working. Do not operate when others are around, especially children. Do not allow operation by untrained personnel.

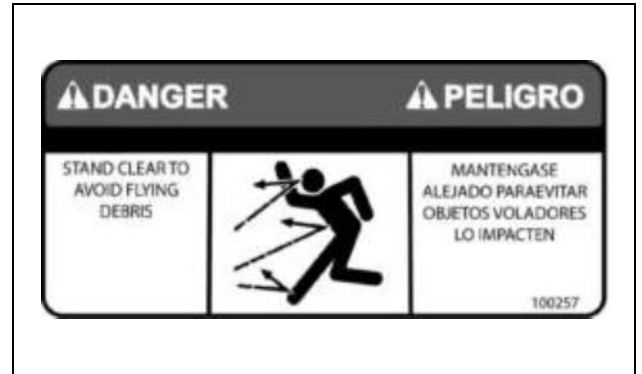
### WARNING - 100256



100256

Operation of this equipment may create sparks that can start fires around dry vegetation. A Spark Arrestor may be required. The operator should contact local fire agencies for laws and regulations relating to fire prevention requirements.

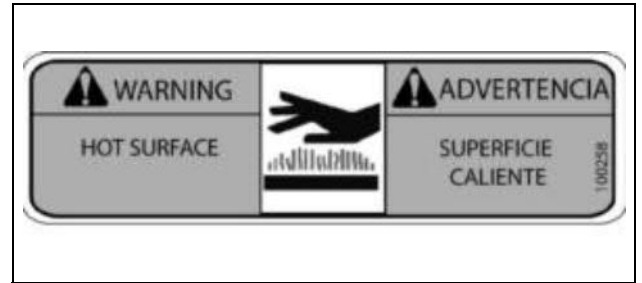
### DANGER - 100257



100257

STAND CLEAR TO AVOID FLYING DEBRIS

### WARNING - 100258



100258

HOT SURFACE

### WARNING - 100261



100261

EXPLOSIVE FUEL STOP ENGINE AND ALLOW TO COOL BEFORE REFUELING.

### Canadian Electromagnetic Compatibility (EMC) Compliance

This spark ignition system complies with Canadian ICES-002.

## Safety

### Operator Training Required

- Read the operator's manual and other training material. If the operator or mechanic cannot read English, it is the owner's responsibility to explain this material to them. This publication is available in other languages.
- Become familiar with the safe operation of the equipment, operator

# SAFETY

controls, and safety signs.

- All operators and mechanics should be trained. The owner of the machine is responsible for training the users.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.
- Operate the machine in an open, unobstructed area under the direction of an experienced operator.

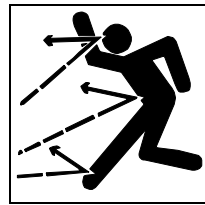
## Preparation

- Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Only use accessories and attachments approved by the manufacturer.
- Wear appropriate clothing including hard hat, safety glasses and hearing protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys and wire which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive.
  - a. Use only an approved container.
  - b. Never remove gas cap or add fuel when engine is running. Do not smoke.
  - c. Never refuel or drain the machine indoors.
- Check that the operator's presence controls, safety switches and shields are attached and functioning properly. Do not operate unless they are functioning properly.

## Operating Safely

- 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 rotating parts. Keep clear of the discharge opening at all times. Stay behind the handle when the engine is running.
- Do not touch muffler, cylinder, cooling fins, or other hot surfaces. Running engines produce heat and will remain hot for a period of time after shutdown.
- Do not operate machine near hot or burning debris or any toxic or explosive materials.
- Always be aware of surroundings and stay alert for possible hazards that might not be heard due to machine noise.
- Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
- Do not operate machine without the air director cone, tube or nozzle, guards, or other safety protective devices in place and working.
- Never leave a running machine unattended.
- Stop the engine and wait until the rotating parts come to complete stop before cleaning the machine.
- Operate machine only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Never operate machine in wet grass. Always be sure of your footing. Walk; never run.

- If the machine should start to vibrate abnormally, stop the engine and check for the cause immediately. Vibration is generally a warning of trouble.
- Breathing protection is recommended when operating machine.
- 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.
- 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.
- Do not operate machine with a cracked or damaged impeller.



## Avoid Injury From Thrown Objects

- Make sure all deflectors are securely in place.
  - Do not point blower in the direction of people or pets.
  - Avoid discharge of material against a wall or solid object. Material may deflect back in the direction of the operator.
- Stop the engine and wait for all moving parts to stop before removing or lifting any components.

## Using a Spark Arrestor

The engine in this machine is not equipped with a spark arrestor muffler. The California Public Resources Code, section 4442.5 provides as follows:

No person shall sell, offer for sale, lease, or rent to any person any internal combustion engine subject to Section 4442 or 4443, and not subject to Section 13005 of the Health and Safety Code, unless the person provides a written notice to the purchaser or bailee, at the time of sale or at the time of entering into the lease or rental contract, stating that it is a violation of Section 4442 or 4443 to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrestor, as defined in Section 4442, maintained in effective working order or the engine is constructed, equipped, and maintained for the prevention of fire pursuant to Section 4443. Cal. Pub. Res. Code 4442.5.

Other states or jurisdictions 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.

## Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Move speed control lever to slow position.
3. Stop the engine.
4. Wait for engine and all moving parts to stop.
5. Remove the spark plug wire before servicing the machine.

## 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 operate machine on it.
- Operate across the face of slopes, never up and down. Use extreme caution when changing direction on slopes.

# SAFETY

- Watch for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide obstacles.
- Do not operate on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident.
- Do not operate near drop offs, ditches, or embankments. The operator could lose footing or balance.



## Wear Appropriate Clothing

- Always wear eye protection when operating the machine.
- Wear close fitting clothing and safety equipment appropriate for the job.

- While operating this machine, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.



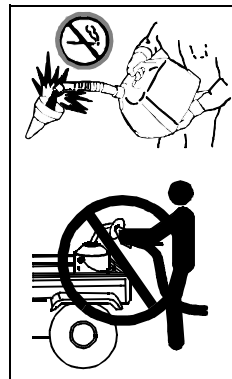
## Practice Safe Maintenance

- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.

- Never lubricate, service, or adjust machine while it is running. Keep safety devices in place and in working condition. Keep hardware tight.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Never operate a unit that is damaged, improperly adjusted or is not completely and securely assembled.
- Stop engine and remove spark plug wire before making any adjustments or repairs except carburetor adjustments.
- Make sure all handles are properly and securely attached.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.

## Prevent Fires

- Machine fires and structure fires can occur if a machine is stored before allowing it to cool, if debris is not removed from critical areas of the machine, or if machine is stored near combustible materials.
- Remove grass and debris from engine compartment and muffler area, before and after operating machine.
- Always shut off fuel when storing or transporting machine, if the machine has a fuel shutoff.
- Do not store machine near an open flame or source of ignition, such as a water heater or furnace.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.



## Handling Fuel Safely

**To avoid personal injury or property damage, use extreme care in handling fuel. Fuel is extremely flammable and fuel vapors are explosive:**

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only an approved fuel container. Use only non-metal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM). If using a funnel, make sure it is plastic and has no screen or filter.
- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.
- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol. Methanol is harmful to your health and to the environment.

## Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the MSDS for that product.

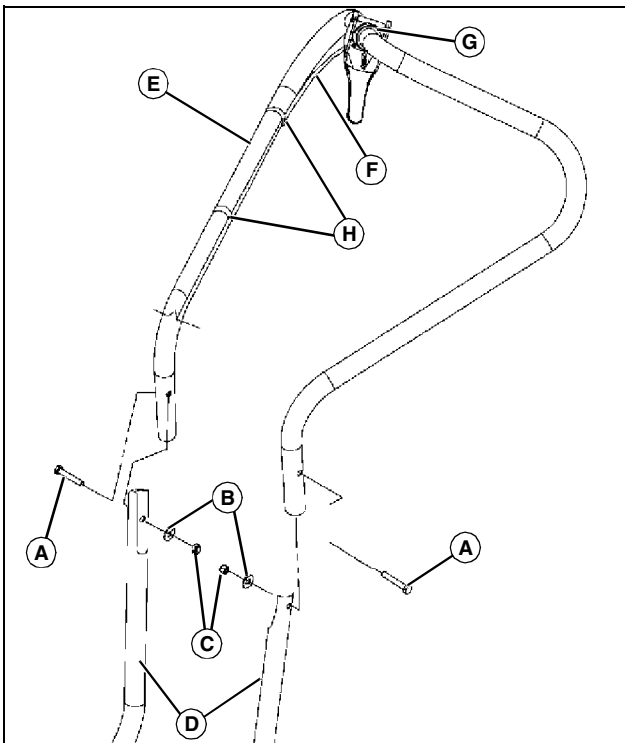
# ASSEMBLY

## Assembly

### Packing Checklist and Bag of Parts

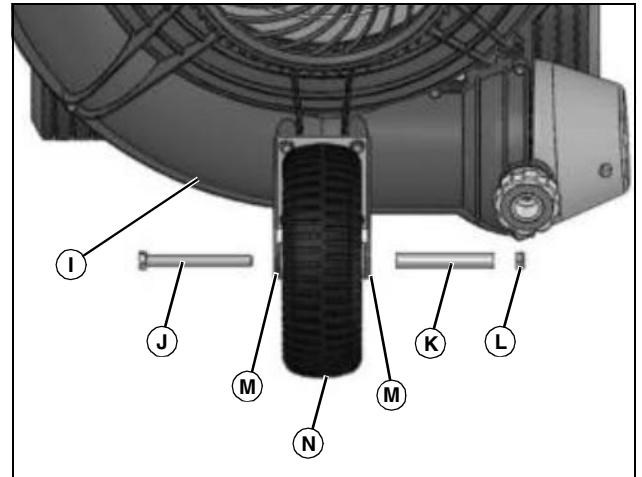
Qty.	Description
1	Blower
1	Upper Handle Assembly
1	Air Director
1	Tire
1	Hardware Bag

## Assembly



MX43704

1. Remove bolts (A), washers (B), and locknuts (C) from lower handles (D).
2. Install upper handle (E) to inside of lower handles with hardware just removed.
3. Unroll cable (F) for attaching to lever assembly (G). Install cable through the clamp and secure ball end of cable onto lever.
4. Secure cable to upper handle assembly with tie straps (H) so cable does not rub against tire or any other moving parts.



MX43705

5. Use a block under front of blower (I) to raise it off the ground.
6. Remove bolt (J), spacer (K), and nut (L) from front brackets (M).
7. Install spacer (K) into wheel (N), and install wheel between brackets (M).
8. Insert bolt (J) through the bracket, wheel and spacer, and secure with nut (L).
9. Tighten all hardware.
10. Connect engine spark plug wire.

### Check and Add Engine Oil

1. Remove dipstick and check engine oil level. (See Checking Engine Oil Level in the SERVICE section.)
2. Add the supplied oil as needed up to the FULL mark on the dipstick. Do not overfill.

### Fill Fuel Tank

Fill the fuel tank. (See Filling Fuel Tank in the SERVICE section.)

### Check Tire Pressure



**CAUTION: Avoid injury! Explosive separation of tire and rim parts is possible when they are serviced incorrectly:**

- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Do not inflate the tires above the recommended pressure.
- Do not weld or heat a wheel and tire assembly. Heat can cause an increase in air pressure resulting in an explosion. Welding can structurally weaken or deform the wheel.
- Do not stand in front or over the tire assembly when inflating. Use a clip-on chuck and extension hose long enough to allow you to stand to one side.

1. Check tires for damage.
2. Check tire pressure with an accurate gauge.
3. Add or remove air, if necessary.



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# OPERATING CONTROLS

## Operating Controls

### Operator Station Controls and Features



MX43706, MX43709

- A- Push Button Lock
- B- Nozzle Control Lever
- C- Throttle Control
- D- Starter Handle
- E- Fuel Shut Off
- F- Choke Lever
- G- Gas Cap
- H- Muffler
- I - Air Cleaner
- J- Manual Adjustment Knob
- K- Stop Switch

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