

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Lawn and Garden Tractor
GT235 Electric Outlet Equipped

OMM146765 J2

OPERATOR'S MANUAL



JOHN DEERE

⚠ 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

North American Version
Litho in U.S.A.

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's 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.

If you have an attachment, use the safety and operating information in the attachment operator's manual along with the machine operator's manual to operate the attachment safely and correctly.

This manual and safety signs on your machine may also be available in other languages (see a John Deere 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. A convenient index located at the end of this book will help you to find needed information quickly.

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

right and left 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.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

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.

PRODUCT IDENTIFICATION

Record Identification Numbers

GT235 Electric Outlet Equipped

PIN (060001-)

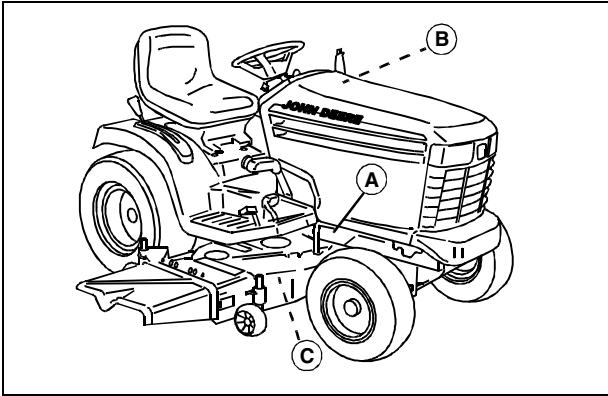
If you need to contact an Authorized Service Center for information on servicing, always provide the product model and serial number.

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 (A):

ENGINE SERIAL NUMBER (B):

MOWER DECK SERIAL NUMBER (C):

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Hello dear friend!

Thank you very much for reading.

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OMM146765 J2 - English

SAFETY

Understanding The Machine Safety Labels



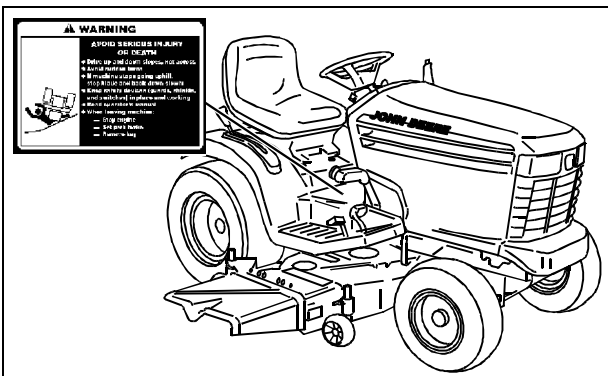
Safety-Alert Symbol

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 the 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.

WARNING: AVOID SERIOUS INJURY OR DEATH

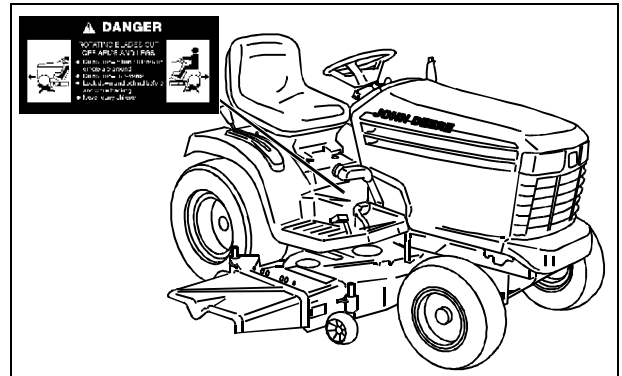


M118788a

- 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

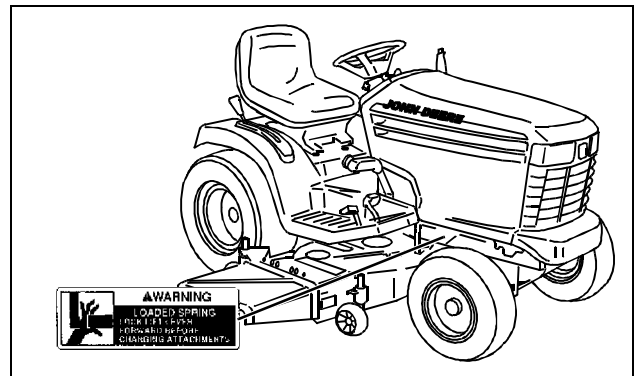
DANGER: ROTATING BLADES CUT OFF ARMS AND LEGS



M118788b

- 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 even with blades off

WARNING: LOADED SPRING



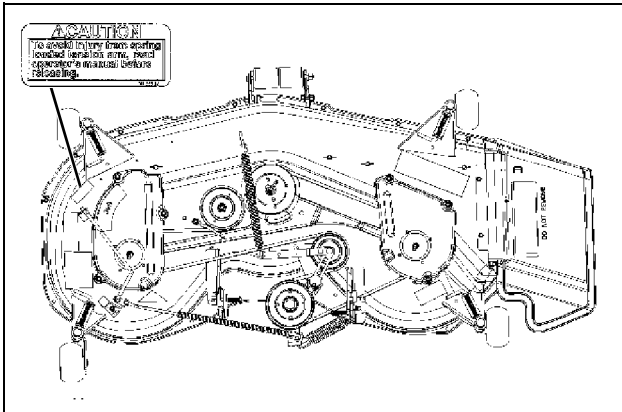
M47589

Picture Note: Label appears at both sides of machine.

- Lock lift lever forward before changing attachments.

SAFETY

CAUTION

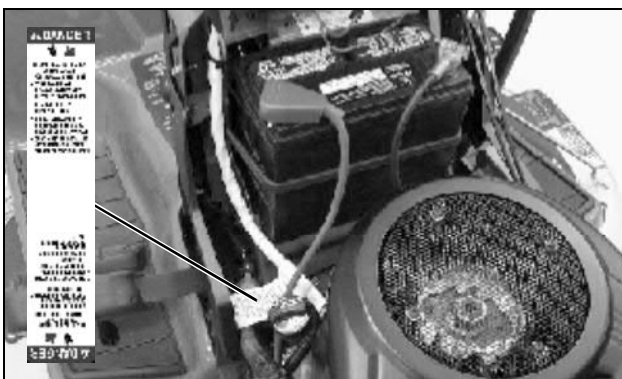


MX8376/M138932

Picture Note: Label appears on 48C and 54C mowers only.

To avoid injury from spring loaded tension arm, read operator's manual before releasing.

DANGER



MX12412/MX12380

- Please read both sides carefully and follow all directions.
- Stop engine and remove ignition key before servicing cord.
- Remove cord by grasping plug.
- Do not bend, modify, or remove any metal prongs or pins of plug.
- Cord must be installed with retaining screws before operating engine.
- Misuse of electrical cords can result in fire, injury, or death by electrical shock.
- Keep away from water.
- Keep cords in good condition and replace if necessary.
- Service should only be done by an authorized service

dealer.

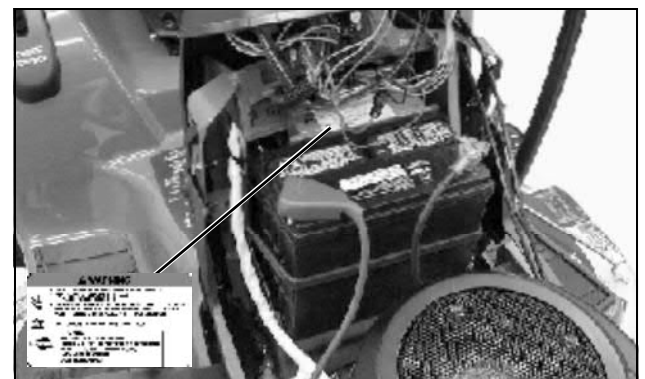
WARNING



MX12413/MX12419

- This engine is equipped with a high voltage generator.
- Only authorized service dealers should service the engine and generator.
- Replace all electrical components and wiring to original position after performing service.
- Generator is equipped with strong flywheel magnets. Flywheel removal will create an increased magnetic field. Electronic transmitting devices such as a cell phone, cordless phone, or 2 way radio operated in the presence of a removed flywheel can cause a pacemaker or similar device to fail.

WARNING



MX12411/MX12380

- High voltage-Electrocution or serious injury can occur.
- Do not remove or tamper with this cover.
- Keep all cords in good condition.
- Risk of electric shock. Use only the ground-fault circuit interrupter (GFCI) receptacle specified with this inverter. Other types may fail to operate properly when connected to

SAFETY

this inverter equipment.

- Hot surfaces-to prevent burns-do not touch.

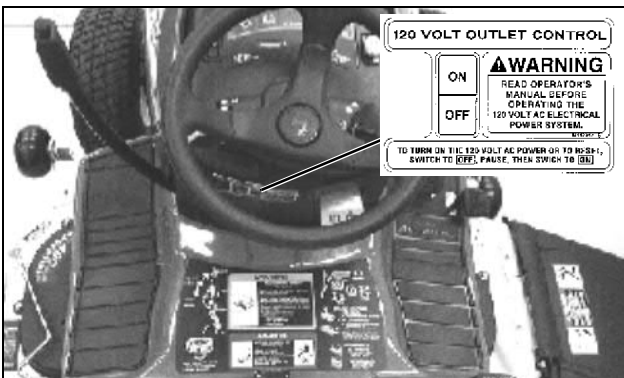
WARNING



MX147466/MX12419

- Read Operator's Manual before using.
- Improper connections to a building can allow electrical current to backfeed into utility lines, creating an electrocution hazard.
 - Connections to a building must isolate generator power from utility power and comply with all applicable laws and electrical codes.
- The generator is a potential source of electrical shock if not kept dry.
 - Do not expose the generator to moisture, rain, or snow. Do not operate with wet hands.

WARNING



M147247/MX12381

Read Operator's Manual before operating the 120 Volt AC electrical power system.

Emission Control System Certification Label (Small Off-Road Gas Engines)

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.

Presence of an emissions label signifies that engine has been certified with 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 EPA and/or CARB; and used in United States and Canada in off-road mobile equipment.

Emission Compliance Period (Small Off-Road Gas Engines)

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

Agency	Category	Hours
EPA	C	250
EPA	B	500
EPA	A	1000
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.

SAFETY

Canadian Standards Association (CSA) Certificate of Compliance



M148164

Model: GT235E

Output: 1000 Watts

Frequency: 60 Hz

Voltage: 120 AC

Time: 1 Hour

Weather-Proof

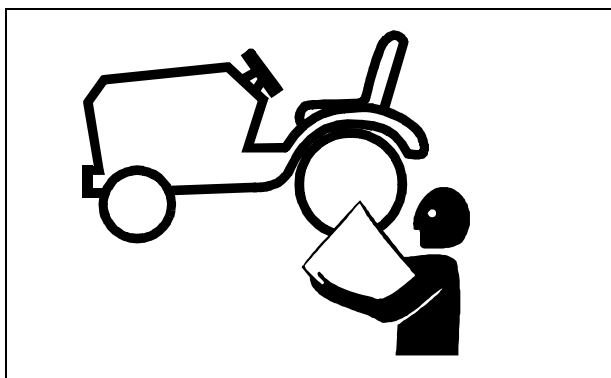
Neutral Bonded to Frame

Temperature: 25°C

Certified only to Canadian Electrical Code

Master Contract 214676

Operating Safely



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- Read, understand and follow all instructions in the manual, on the machine and on the safety video before starting.
- Only allow responsible adults, who are familiar with the instructions to operate the machine.
- Be thoroughly familiar with the controls and the proper use of the machine before starting.
- 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.
- Be sure all drives are in neutral and parking brake is locked before starting engine. Only start engine from the operator's position.

- Do not operate mower without discharge chute or entire grass catcher in place. Never operate with the discharge deflector raised, removed, or altered, unless using a grass catcher.
- Check brake action before you operate. Adjust or service brakes as necessary.
- 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.
- Be aware of the mower discharge direction and make sure that no one is in the path of the discharge direction.
- 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 operate machine if you are under the influence of drugs or alcohol.
- Older adults are involved in a large percentage of riding mower accidents involving injury. These operators should evaluate their ability to operate a mower safely enough to protect the operator and others from serious injury.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.

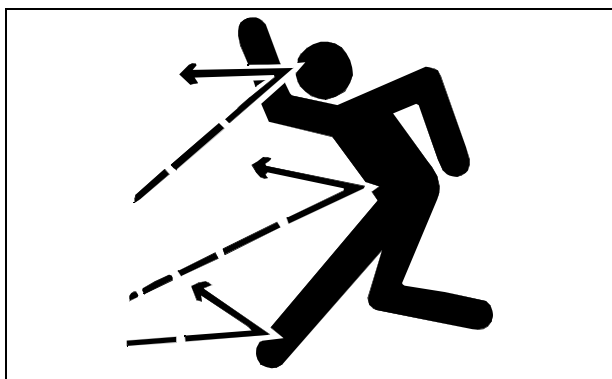
Using a Spark Arrestor

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 John Deere dealer. An installed spark arrestor must be maintained in good working order by the operator.

SAFETY

Checking Mowing Area



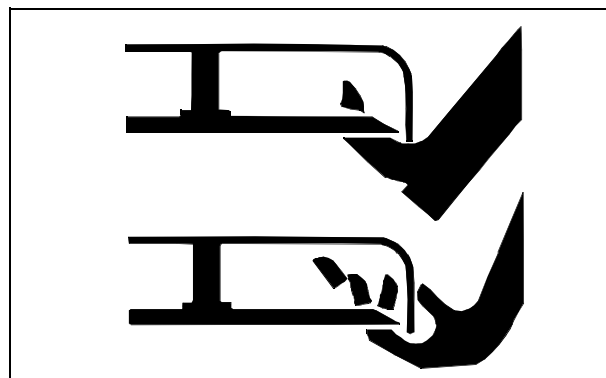
- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.
- Low-hanging branches and similar obstacles can injure the operator or interfere with mowing operation. Before mowing, identify potential obstacles such as low-hanging branches, and trim or remove those obstacles.
- Study mowing area. Set up a safe mowing pattern. Do not mow where traction or stability is doubtful.
- Test drive area with mower lowered but not running. Slow down when you travel over rough ground.

Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage mower blades.
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the operator's seat.
8. Close fuel shut-off valve, if your machine is equipped.
9. Disconnect the negative battery cable or remove the spark plug wire (for gasoline engines) before servicing the machine.

Rotating Blades are Dangerous

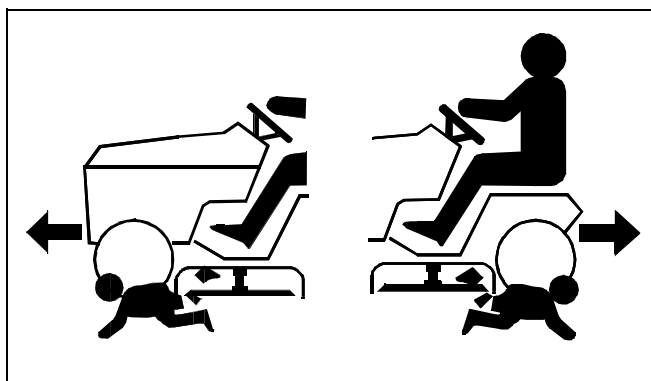
HELP PREVENT SERIOUS OR FATAL ACCIDENTS:



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- Rotating blades can cut off arms and legs.
- Keep hands, feet and clothing away from mower deck when engine is running.
- Be alert at all times, drive forward carefully. People, especially children can move quickly into the mowing area before you know it.
- Before backing up, shut off PTO and look down and behind the machine carefully, especially for children.
- Do not mow in reverse.
- Shut off blades when you are not mowing.
- Park machine safely before leaving the operator's station for any reason including emptying the catchers or unplugging the chute.
- The mower blades should stop in approximately five seconds when the mower is disengaged. If you believe that your blades may not be stopping in that period of time, take your machine to your John Deere dealer where they can safely check and service your machine.

PROTECT CHILDREN:



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- Never assume that children will remain where you last saw them. Children are attracted to mowing activity, stay

SAFETY

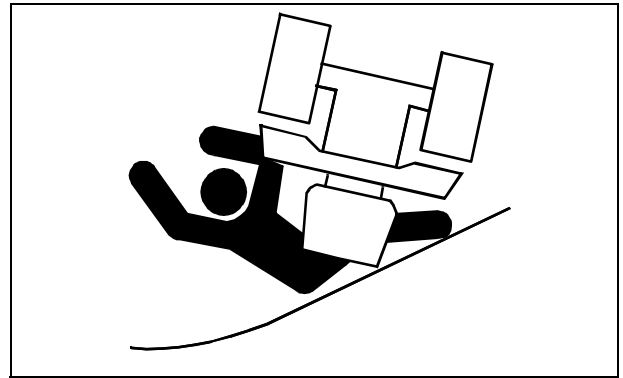
alert to the presence of children.

- Keep children indoors when you are mowing. Turn the 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 any attachment or machine even with the blades off. Do not tow children in a cart or trailer.

Using 120 Volt Electric Outlet System Safely

- 120 Volt electric outlet system is an on-board high-voltage generator. Failure to observe all safety messages may result in property damage, injury or death.
- Do not use 120 Volt electric outlet system as a backup for a main power source, such as in a house that is powered by a utility company. Doing so may cause a power backfeed that could electrocute utility workers or others who contact power lines.
- Do not use 120 Volt electric outlet system in an enclosed area. Engine gives off carbon monoxide. Breathing carbon monoxide can cause illness, unconsciousness or death.
- Do not use 120 Volt electric outlet system in wet conditions.
- Do not use 120 Volt electric outlet system if it does not pass all safety system tests.
- A ground fault occurs when, instead of following its normal safe path, electricity passes through a person's body to the ground. Ground fault circuit interrupter (GFCI) shuts off power to receptacle if it detects a ground fault.
- GFCI receptacle protects against ground faults. It does not protect against current overloads, short circuits or shocks.
- Do not use 120 Volt electric outlet system if electric power is lost and cannot be restored by resetting GFCI or 120 Volt electric outlet system.
- Do not use 120 Volt electric outlet system with hood open.
- Do not modify 120 Volt electric outlet system in any way.
- Perform only service functions described in this manual. For all other service, see a John Deere dealer.
- Use only John Deere approved replacement parts.
- Do not connect a battery charger to 120 Volt electric outlet system. Connecting this way may damage certain types of battery chargers.

Avoid Tipping



- Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.
- Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction.
- Slow down before you make a sharp turn or operate on a slope. Choose a low gear or speed so that you will not have to stop or shift while on the slope.
- Do not turn on slopes unless necessary. Turn slowly and turn downhill. Do not shift to neutral and coast downhill.
- Stay alert for holes and other hidden hazards in the terrain. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Keep away from drop-offs, ditches and embankments.
- Use extra care with grass catchers or other attachments. These can change the stability of the machine. Do not use grass catcher on steep slopes.
- Use recommended weights for added stability when operating on slopes or using front or rear mounted attachments. Remove weights when not required.
- Drive up and down a hill - not across.
- Do not stop when going up hill or down hill. If machine stops going up hill, disengage mower blades and back down slowly.
- Mowing when grass is wet can cause reduced traction and sliding.
- Do not try to stabilize the machine by putting your foot on the ground.

SAFETY

Keep Riders Off



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- 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.

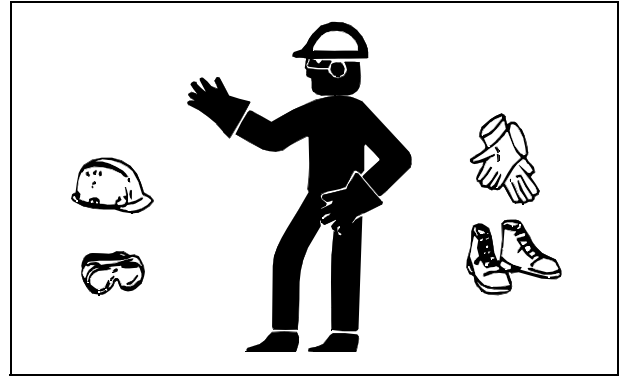
Checking Wheel Bolts

- 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.
- Wheel hardware must be tightened to specified torque using the proper procedure anytime it is loosened.

Towing Loads Safely

- Limit loads to those you can safely control. Use only approved hitches when pulling loads or using heavy equipment. Use counterweights or wheel weights as required in this manual or your attachment manual.
- Do not tow children in a cart or trailer.
- Travel slowly and allow extra distance to stop.
- Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.
- Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the hitch point.
- On slopes, the weight of towed equipment may cause loss of traction and loss of control.

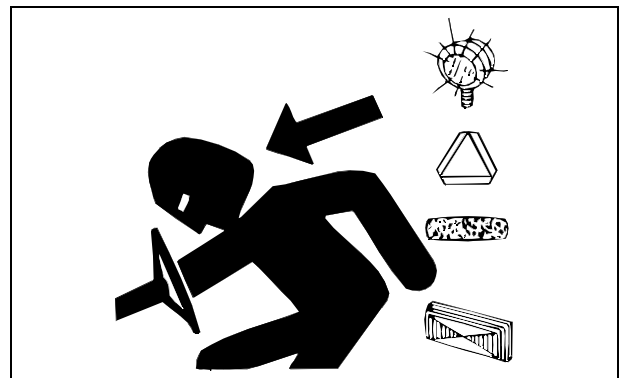
Wear Appropriate Clothing



- Always wear safety goggles or safety glasses with side shields when operating the machine.
- Wear close fitting clothing and safety equipment appropriate for the job.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

Driving Safely on Public Roads

Avoid personal injury or death resulting from a collision with another vehicle on public roads:



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- Use safety lights and devices. Slow moving machines when driven on public roads are hard to see, especially at night.
- 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.

SAFETY

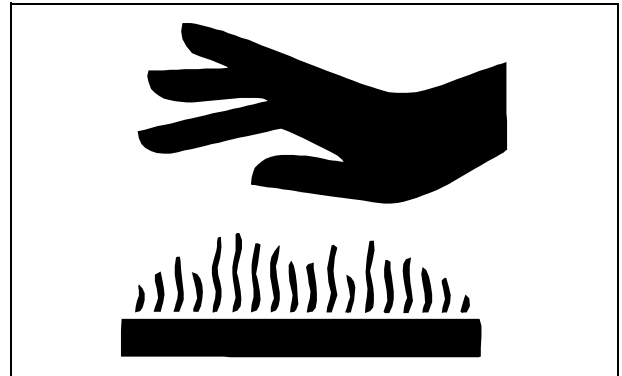
Practice Safe Maintenance



- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate, service, or adjust machine while it is moving. 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.
- Lower attachments to the ground before servicing machine. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Disconnect battery or remove spark plug wire before making any repairs.
- Before servicing the machine, carefully release pressure from any components with stored energy, such as hydraulic components.
- Keep all nuts and bolts tightened, especially blade attachment bolts.
- Securely support any machine elements that must be raised for service work. Use jack stands to support components when needed.
- Never run engine unless park brake is locked.
- 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.
- Grass catcher components are subject to wear, damage, and deterioration which could expose moving parts or allow objects to be thrown. Check components frequently and replace with manufacturer's recommended parts when necessary.
- To prevent fires, remove any buildup of grease, oil, or debris from the machine, especially the engine compartment.
- Charge batteries in an open, well-ventilated area, away from sparks. Unplug battery charger before connecting or disconnecting from the battery. Use insulated tools.

- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.
- Check brake operation frequently. Adjust and service as needed.

Prevent Fires



- Remove grass and debris from engine compartment and muffler area, before and after operating machine, especially after mowing or mulching in dry conditions.
- To reduce fire hazard, keep engine and engine compartment free of grass, leaves, or excessive grease.
- Allow engine to cool before storing in any enclosure.
- Never remove fuel cap, or add fuel with engine running or hot. Allow engine to cool for several minutes.
- Never store equipment with fuel in the tank inside a building where fumes may reach an open flame or spark.

Tire Safety

Explosive separation of a tire and rim parts can cause serious injury or death:



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- Do not attempt to mount a tire without the proper



Suggest:

If the above button click is invalid.

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first, and then click the above link

to download the complete manual.

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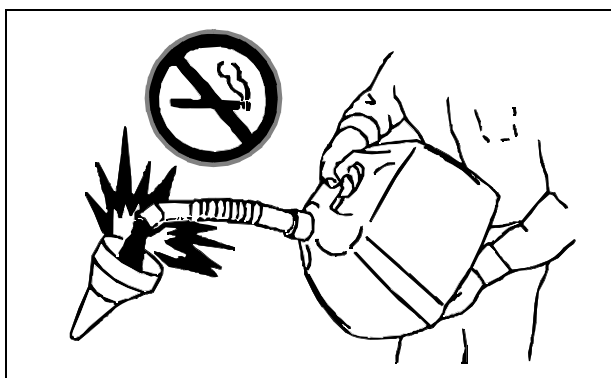
SAFETY

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.
- Check tires for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.

Handling Fuel Safely

Fuel and fuel vapors are highly flammable:



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- Do not refuel machine while you smoke, when machine is near an open flame or sparks, or when engine is running. stop engine and allow to cool before filling.
- Never remove the fuel cap or add fuel with the engine running.
- Never fill fuel tank or drain fuel from a machine in an enclosed area. Fill fuel tank outdoors.
- Prevent fires. Clean up spilled fuel immediately.
- Do not store machine with fuel in tank in a building where fumes may reach an open flame or spark.
- Prevent fire and explosion caused by static electric discharge. 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 a plastic screen or filter.

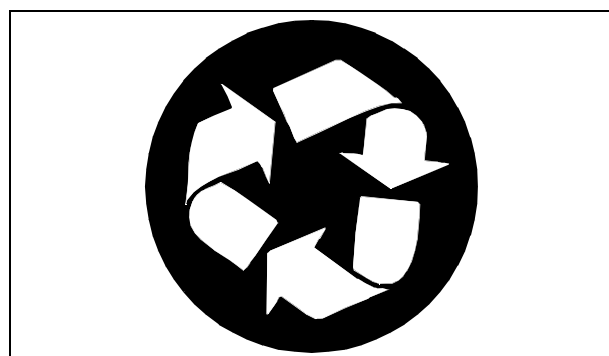


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- Static electric discharge can ignite gasoline vapors in an ungrounded fuel container. Remove the fuel container from the bed of a vehicle or the trunk of a car and place on the ground away from the vehicle before filling. Keep nozzle in contact with container opening while filling.
- When practical, remove equipment from trailers or truck beds and refuel them on the ground. If this is not possible, use a portable, plastic fuel container to refuel equipment on a truck bed or trailer.
- 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:



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- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or John Deere 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.

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