

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

---

**Lightweight Fairway Mower**  
**3215B TURF SYSTEM I**  
**3225B/3235B TURF SYSTEM II**  
OMTCU16258 A2  
**OPERATOR'S MANUAL**



**JOHN DEERE**

**⚠ WARNING:** Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and 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.

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

Section 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-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 (----->), 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 highlighted information carefully to avoid injury and machine damage.

**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.**



### **CAUTION: Avoid injury!**

**This symbol and text highlight potential hazards or death to the operator or bystanders may occur if the hazards or procedures are ignored.**

# PRODUCT IDENTIFICATION

---

## Record Identification Numbers

### Lightweight Fairway Mowers

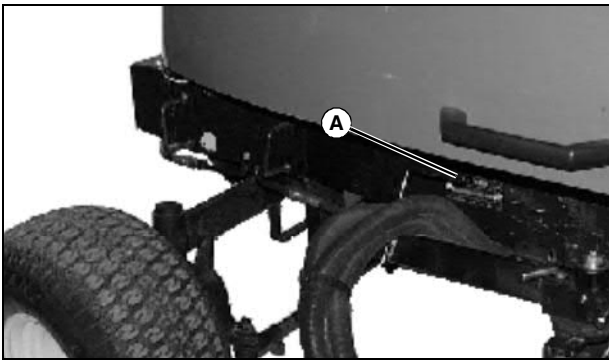
**3215B TURF SYSTEM I** PIN (030001-)

**3225B TURF SYSTEM II** PIN (020001-)

**3235B TURF SYSTEM II** PIN (030001-)

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.



MX3465

DATE OF PURCHASE:

\_\_\_\_\_

DEALER NAME:

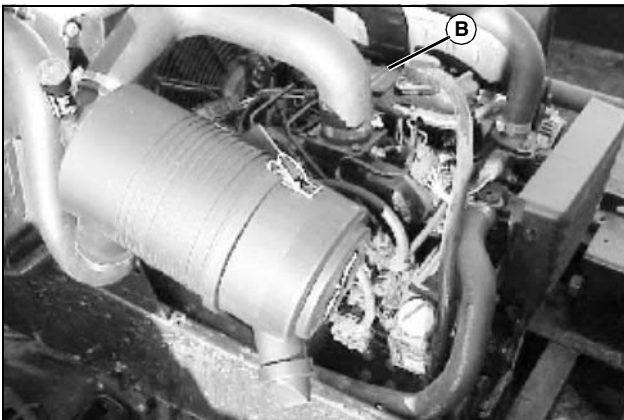
\_\_\_\_\_

DEALER PHONE:

\_\_\_\_\_

PRODUCT IDENTIFICATION NUMBER (A):

-----



MX11344

ENGINE SERIAL NUMBER (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

---

Safety .....	1
Operating Machine .....	9
Operating Cutting Units .....	18
Replacement Parts .....	36
Service Intervals .....	37
Service Lubrication .....	38
Service Engine .....	40
Service Transmission .....	50
Service Cutting Units .....	54
Service Electrical .....	67
Service Miscellaneous .....	70
Troubleshooting .....	73
Storage .....	77
Assembly .....	79
Specifications .....	85
Warranty .....	88
Index .....	90

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© 2002  
Deere & Co.  
John Deere Worldwide Commercial and  
Consumer Equipment Division  
All rights reserved  
Previous Editions  
COPYRIGHT©

OMTCU16258 A2 - English

# SAFETY

## Understanding The Machine Safety Labels



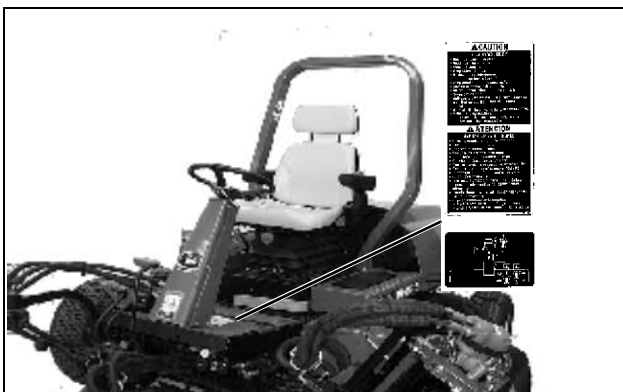
Safety-Alert Symbol

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 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.

## CAUTION

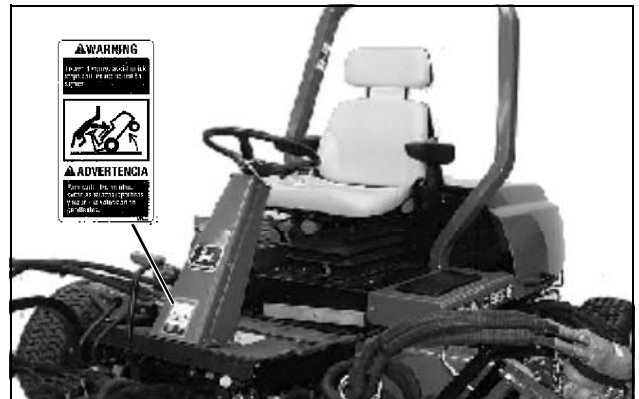


M76366

- Operator training required.
- Read operator's manual.
- Know all controls.
- Maintain all safety devices.
- Look behind before backing.
- Keep people a safe distance away.
- Stay clear of power driven parts.
- Do Not operate where machine could tip.

- Never carry riders.
- Roll-Over Protection Structure (ROPS) should be installed unless prohibited by low clearance operation.
- Use seat belts unless machine is operated without ROPS.
- Before leaving machine
  - a. Lower attachment to ground
  - b. Stop engine.
  - c. Lock park brake.
  - d. Remove key

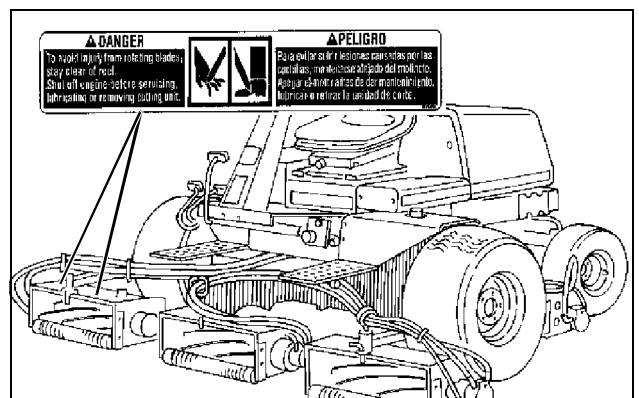
## WARNING



M76366

To avoid injury, avoid quick stops and reduce speed on slopes.

## WARNING



M76366

**Picture Note: Two warning labels are on each cutting unit.**

To avoid injury from rotating blades, stay clear of reel.

# SAFETY

Shut off engine before servicing lubrication or removing cutting unit.

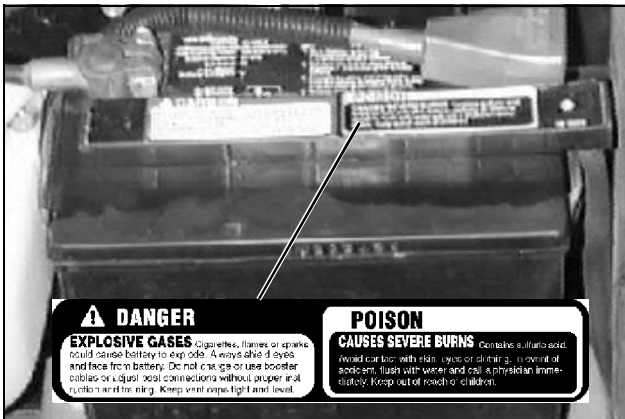
## WARNING



MX3461

To avoid injury from crushing, always wear seat belt. Do not jump from machine.

## DANGER



M85446

### EXPLOSIVE GASES

Cigarettes, flames or sparks could cause the battery to explode. Always shield eyes and face from battery. Do not charge or use cables or adjust poor connections without proper instructions and training. Keep vent caps tight and level

### POISON CAUSES SEVERE BURNS

Contains sulfuric acid. Avoid contact with skin, eyes or clothing. In event of an accident, flush with water and call a physician immediately. Keep out of reach of children.

## Emissions Control System Certification Label

IMPORTANT ENGINE INFORMATION	
THIS ENGINE CONFORMS TO [ ] MODEL YEAR U. S. EPA REGULATIONS NONROAD COMPRESSION IGNITION ENGINES.	
THIS ENGINE IS CERTIFIED TO OPERATE ON "US-2D" FUEL	
ENGINE FAMILY : [ ]	DISPLACEMENT : [ ] LITERS
ENGINE MODEL : [ ]	EMISSION CONTROL SYSTEM : EM
FUEL RATE : [ ] KW/STROKE @ [ ] KW/[ ] RPM	
REFER OWNER'S MANUAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS	
YANMAR DIESEL ENGINE	
Co., Ltd.	

MX5293



**CAUTION: Avoid injury! Statutes providing severe penalties for tampering with emissions controls may apply at the user's location.**

The emissions warranty described in the warranty section applies only to those engines marketed by John Deere that have been certified by the United States Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB); and used in the United States in non-road mobile (self-propelled or portable/transportable<sup>1</sup>) equipment. The presence of an emissions label like the one shown signifies that the engine has been certified with the EPA and/or CARB. The EPA and CARB warranties only apply to new engines having the certification label affixed to the engine and sold as stated above in the geographic areas governed by the regulating agencies.

**NOTE: The hp/kW rating on the engine emissions certification label specifies the gross engine hp/kW, which is flywheel power without fan. In most applications this will not be the same rating as the advertised vehicle hp/kW rating.**

## Operator Training Required

- The owner of the machine is responsible for training the users and mechanics of the machine.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.
- Do not allow operation or service of the machine by children or untrained adults.
- Read the operator's manual and study the safety and operation sections before operating the machine.
- If the operator of the machine cannot read or understand this manual, it is the machine's owner

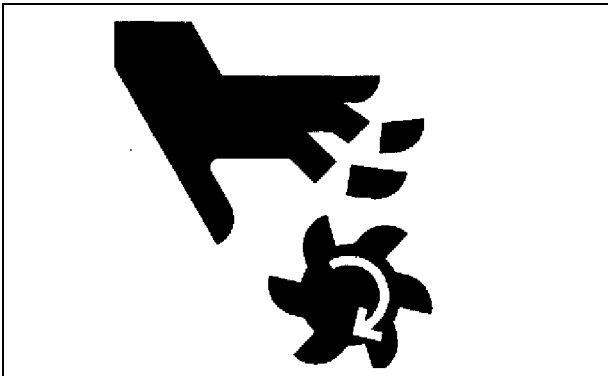
<sup>1</sup>. Equipment moved at least once every 12 months.

# SAFETY

responsibility to explain this material to the operator. This publication is available in other languages.

- Operate the 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.

## Avoid Injury From Contacting Blades



TS283

### Protect Others:

- Do not let untrained person operate the machine.
- Be alert at all times, drive forward carefully. People can move quickly into the mowing area before you know it.
- Turn machine off if another person enters the mowing area.
- Shut off cutting units when you are not mowing.
- Use extra care when you come to blind corners, shrubs, trees, or other objects that may block your vision.
- Do not carry or let others ride on machine.
- Back carefully. Shut off cutting units and look behind the machine carefully before you back up.

### Blocked Or Stalled Cutting Units:

- Keep all parts of the body away from the cutting edges. Residual hydraulic pressure in the system can cause cutting cylinder rotation when the blockage is released.
- Do not reverse reels to unplug cutting units. Wear gloves and use tool or wood to rotate reel.

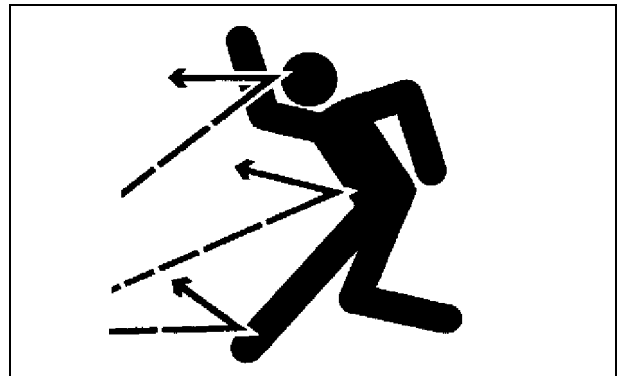
### Before You Dismount To Unplug Or Adjust Cutting Units:

- Stop engine and wait for reels to stop turning before making any adjustments to the cutting units.

- Disengage reel drive by moving MOW/TRANSPORT lever to transport position.
- Stop the engine.
- Lock the park brake.
- Remove key.
- Wait for reels to stop.

Keep hands, feet, and clothing away from cutting units when engine is running.

## Before Operating Mower



TS265

Inspect mower carefully.

Remove foreign objects from machine.

Make sure all hardware is tightened.

Area to be mowed must be free from wire, stones, glass, cans, or other debris to prevent these objects from being thrown.

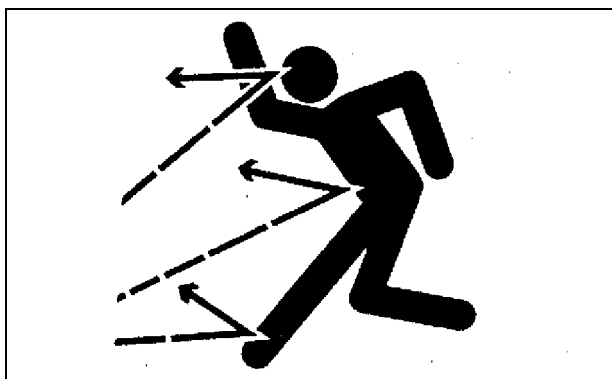
All guards and shields must be in place and fastened.

Brakes, steering, tires, and lights must operate correctly.

Check for hydraulic oil leaks. Hydraulic hoses and fittings must be tight. Worn or damaged hoses may burst endangering the operator or cause turf damage.

# SAFETY

## Check Ground Conditions



M41423

- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.
- Study mowing area. Set up safe mowing pattern. Do not mow under conditions where traction or stability is doubtful.
- First, test drive area with cutting units off but lowered. Slow down when you travel over rough ground.

## Mount and Dismount Safely

Do not step on pedals when mounting or dismounting.

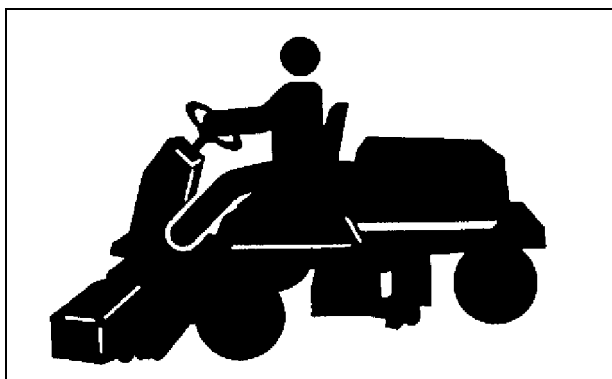
Do not use control levers as hand holds.

Do not use cutting unit lift arm, fender or valve as a step.

Keep platform clean.

Lower cutting units, lock parking brake, stop engine, and remove key before dismounting.

## Start Engine Safely



E33793

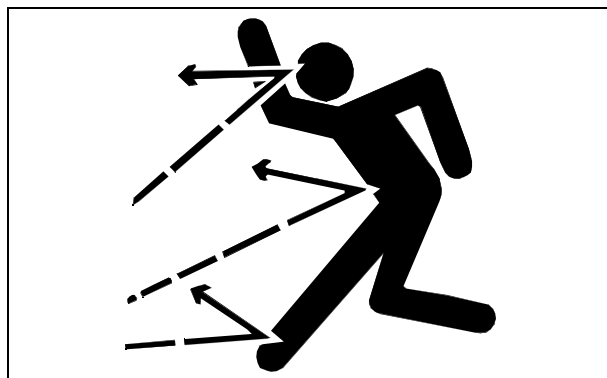
Before starting engine:

**Sit on seat.**

- Lock parking brake.

- Put all operating controls in neutral.
- Move Mow/Transport lever to transport position.

## Operate Safely

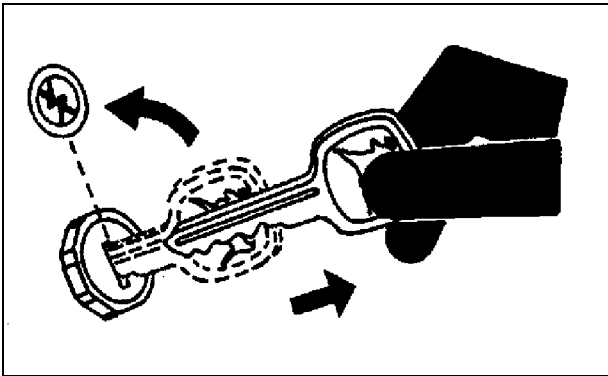


M71044

- Do not operate machine if you are under the influence of drugs or alcohol.
- 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.
- Check before each use that operator presence controls are functioning correctly. Test safety systems. Do not operate unless they are functioning correctly.
- Clear work area of objects that might be thrown. Keep people 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.
- Slow down and be careful of traffic when operating near or crossing roadways. Stop blades before crossing roads or sidewalks. Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- Always wear seat belt if machine has a standard ROPS or a folding ROPS in the upright position.
- Stop machine if anyone enters the area.

# SAFETY

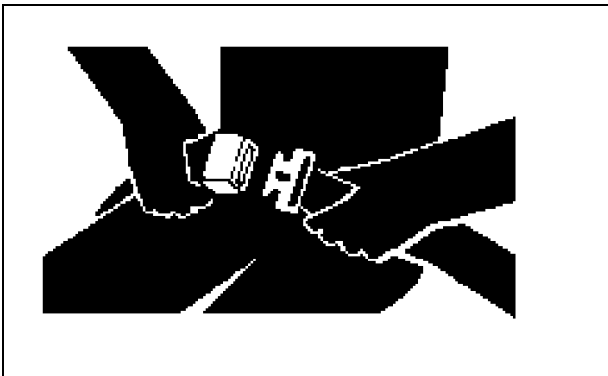
## Park Safely



TS230

1. Stop machine on a level surface, not on a slope.
2. Throttle down.
3. Move Mow/Transport lever to transport.
4. Lower cutting units to the ground.
5. Lock park brake.
6. Stop engine.
7. Remove key.
8. Wait for engine and all moving parts to stop before you leave the operator's station.

## Use Seat Belt Properly



M71754

Use a seat belt when you operate with an optional roll-over protective structure (ROPS) to minimize chance of injury from an accident such as an overturn.

Do not use a seat belt if operating without a ROPS.

## 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. Check at 5, 50 and 100 hours.

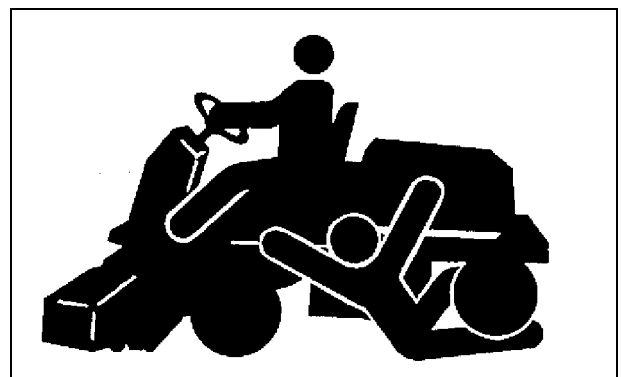
## Avoid Tipping



TS231

- Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death.
- Stay alert for holes and other hidden hazards in the terrain.
- Do not drive where machine could slip or tip.
- Keep away from drop-offs, ditches, and embankments.
- Slow down before you make a sharp turn or operate on a slope.
- 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, raise cutting units and back down slowly.

## Keep Riders Off



E33796

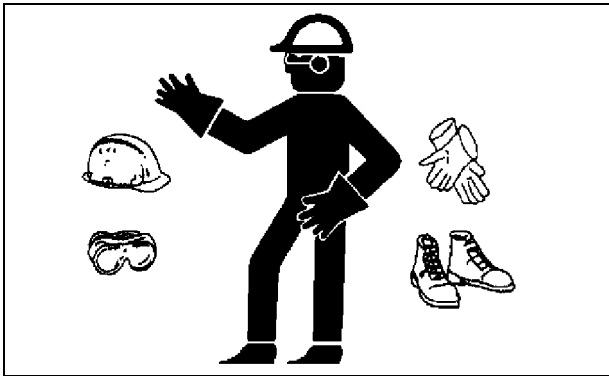
- Only allow the operator on the machine. Keep riders off.
- Riders on the machine or attachment may be struck by

# SAFETY

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.

## Wear Appropriate Clothing



TS206tr

- Wear close fitting clothing and safety equipment appropriate for the job.
- Always wear safety goggles or safety glasses with side shields when operating the mower.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.
- Do not wear radio or music headphones. Safe service and operation requires your full attention.

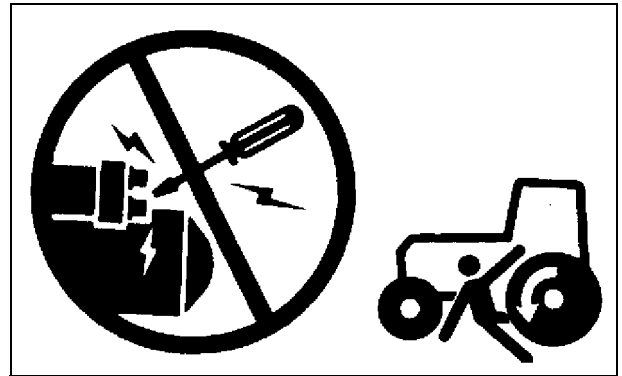
## Avoid Neutral Creep

The machine may creep forward or backward while in neutral with engine running and parking brake unlocked.

After engine has started, release parking brake and with the directional speed control pedals in their neutral position the machine should not move.

If movement is evident, Neutral Return mechanism is adjusted incorrectly. Shut off engine and adjust until machine does not move when directional speed control pedals are in neutral position.

## Prevent Machine Runaway



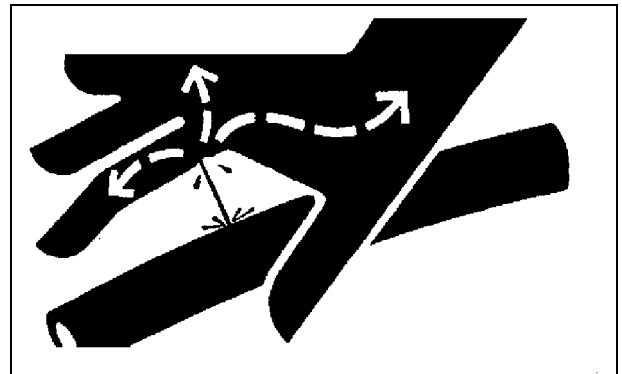
TS177

Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine may start in gear if normal circuitry is bypassed.

NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral.

## Avoid High Pressure Fluids



X9811

- Hydraulic hoses and lines can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check connections regularly. Tighten loose connections.
- 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

# SAFETY

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. Information may be obtained in the United States and Canada only by calling 1-800-822-8262.

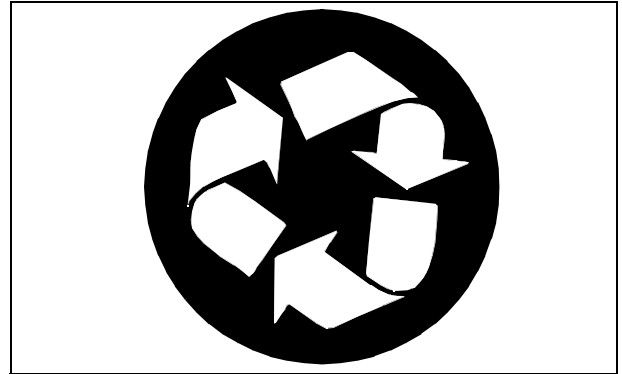
## Practice Safe Maintenance



MX3461

- 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.
- To prevent them from getting caught, keep hands, feet, clothing, jewelry, and long hair away from any moving parts.
- Before servicing machine, lower attachments to the ground. Disengage all power and stop the engine. Move hydraulic lift levers back and forth to relieve pressure. Lock park brake and remove the key. Let machine cool.
- Securely support any machine elements that must be raised for service work.
- 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. Remove any buildup of grease, oil, or debris.
- Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.
- Unauthorized modifications to the machine may impair its function and safety.

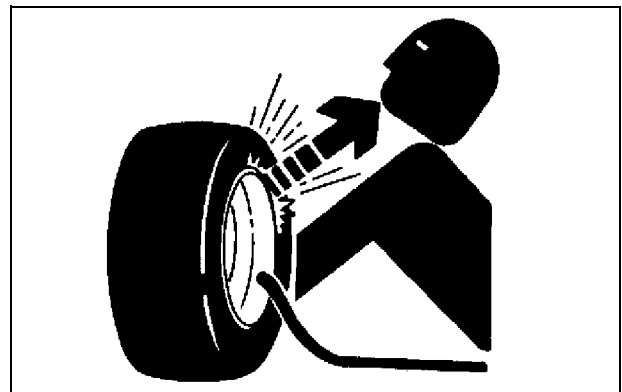
## Handling Waste Product and Chemicals



M71044

- 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 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.

## Tire Safety



TS952

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

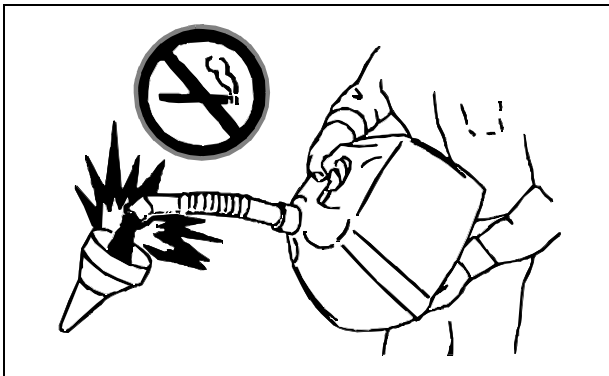
- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

# SAFETY

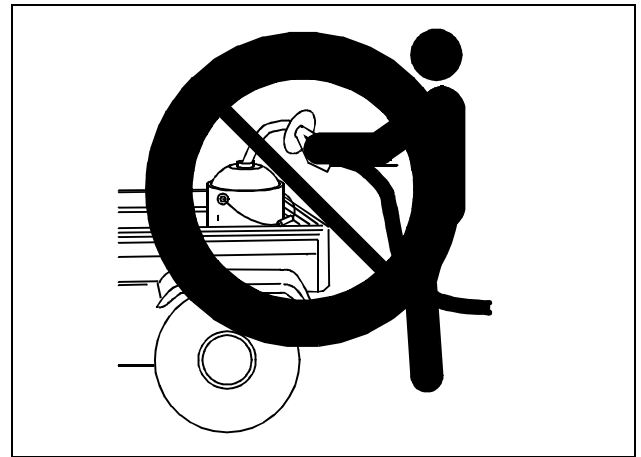
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and not in front of or over the tire assembly.
- Check tires for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.

## Handling Fuel Safely

Fuel and fuel vapors are highly flammable and explosive:

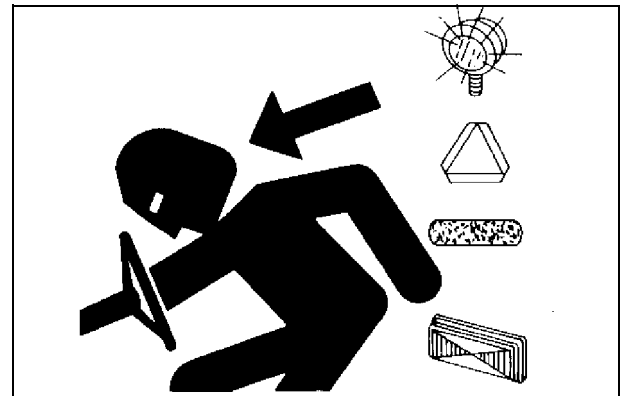


- Do not refuel machine while you smoke, when machine is near an open flame or sparks, or when engine is running. Stop engine and allow to cool before filling.
- Never remove the fuel cap or add fuel with the engine running.
- Never fill fuel tank or drain fuel from a machine in an enclosed area. Fill 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 no screen or filter.



- 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.

## Transport Machine Safely



Slow-moving machines when driven on public roads are hard to see, especially at night. Equip mower with light kit and other appropriate safety features to avoid personal injury or death resulting from a collision with another vehicle.

When transporting on public roads use a Slow Moving Vehicle (SMV) emblem day or night. An SMV kit is available from your John Deere dealer.

# OPERATING MACHINE

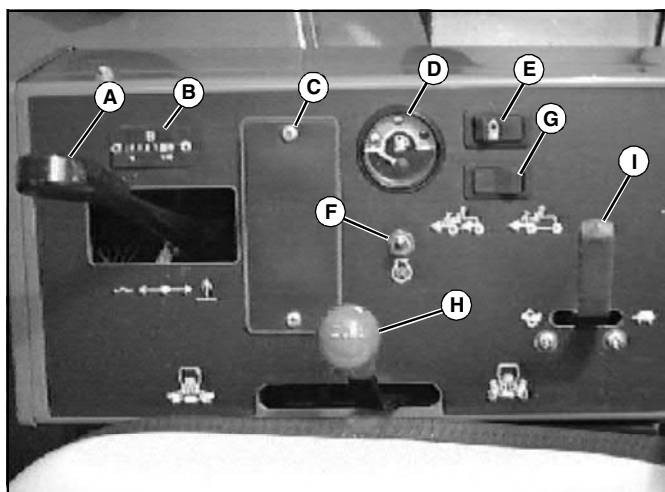
## DAILY OPERATING CHECKLIST

- Test safety systems.
- Check tire pressure.
- Check fuel level.
- Check coolant level.
- Check engine oil level.
- Check hydraulic oil level.
- Remove grass and debris from machine.
- Remove grass and debris from engine compartment and muffler area, before and after operating machine.
- Check hoses.
- Check around hose fittings for leaks.
- Check Air Restriction Indicator.
- Check reels and bed knives for sharpness and nicks.
- Check reel-to-bedknife settings (22 ESP).
- Check bedknife-to-reel settings (2500M).
- Check cutting height.
- Grease front and rear rollers.
- Grease reel bearings.
- Grease lift arm pivots.
- Grease RFS springs (22 ESP).
- Grease lift cylinder ends.

## Avoid Damage To Plastic And Painted Surfaces

- Insect repellent spray may damage plastic and painted surfaces. Do not spray insect repellent near machine.
- Be careful not to spill fuel on machine. Fuel may damage surface. Wipe up spilled fuel immediately.

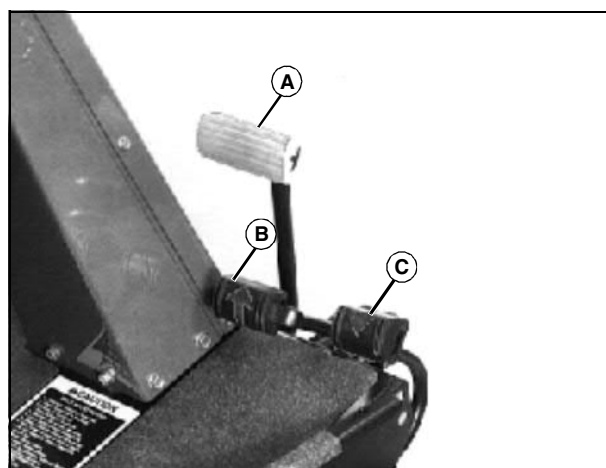
## Dash Controls



M79055

- A - Lift/Lower Lever**
- B - Hour Meter**
- C - Indicator Light Module**
- D - Fuel Gauge**
- E - Light Switch (Optional)**
- F - Cold Start Switch**
- G - Power Assist Switch (Optional)**
- H - Mow/Transport Lever**
- I - Throttle Lever**

## Foot Controls

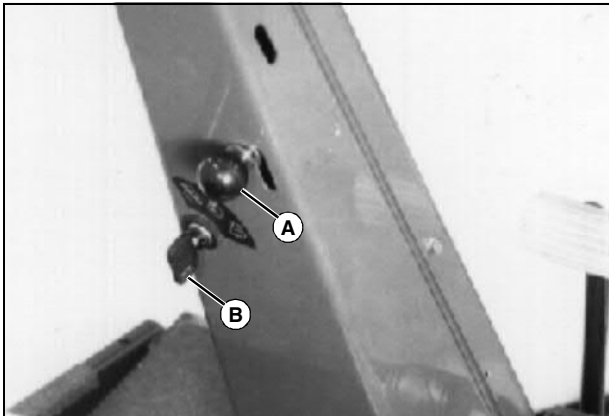


M57528

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

# OPERATING MACHINE

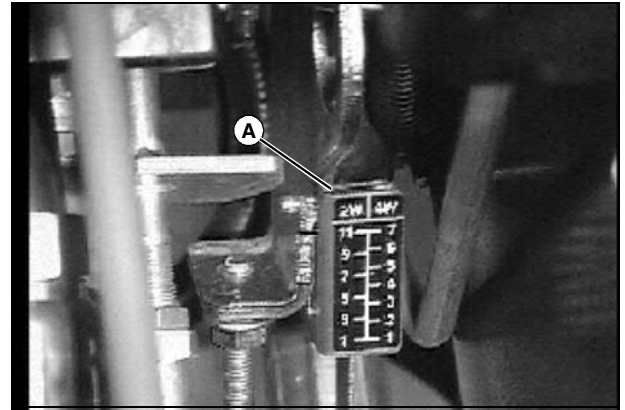
## Steering Column Control



M57515

- A - Park Brake Knob
- B - Ignition Key

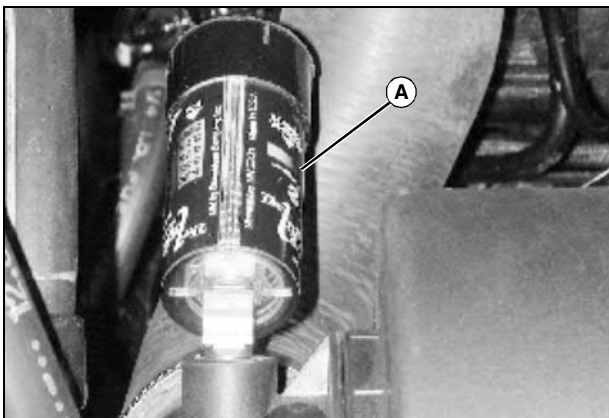
- B - Reel Forward/Reverse Knob
- C - Reel Speed Control



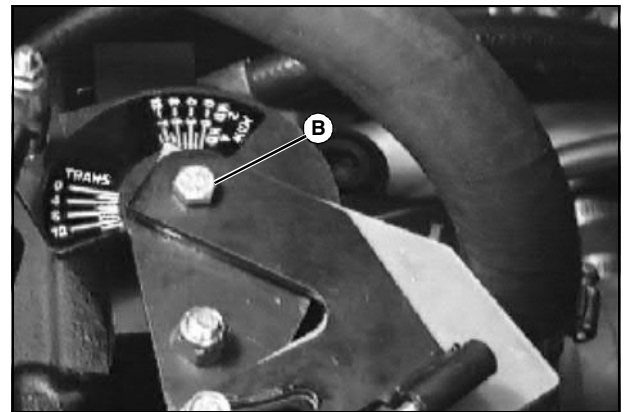
M57435

Picture Note: Under seat-3215B and 3225B

## Miscellaneous Controls



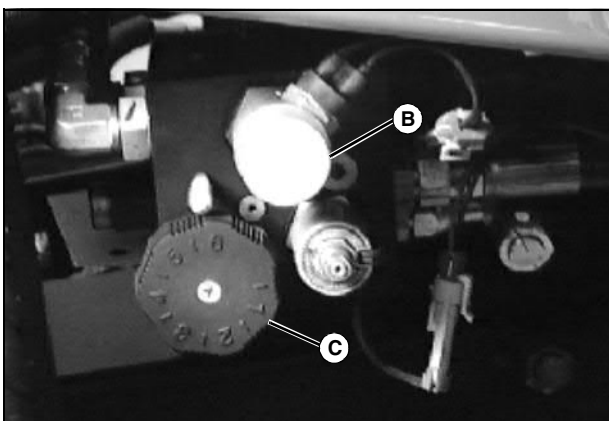
MX1 1335



M85479

Picture Note: Under seat-3235B

- A - Mow Speed Adjustment (3215B/3225B)
- B - Mow/Transport Speed Adjustment 3235B



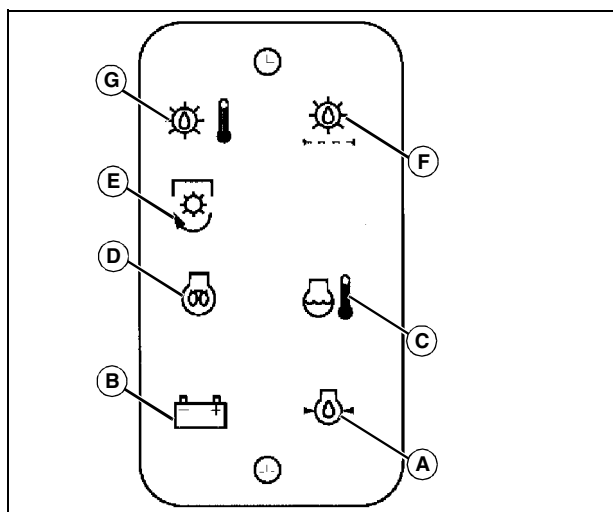
M86207

Picture Note: Reel knobs are located under the foot platform and under the left fender.

- A - Air Restrictor

# OPERATING MACHINE

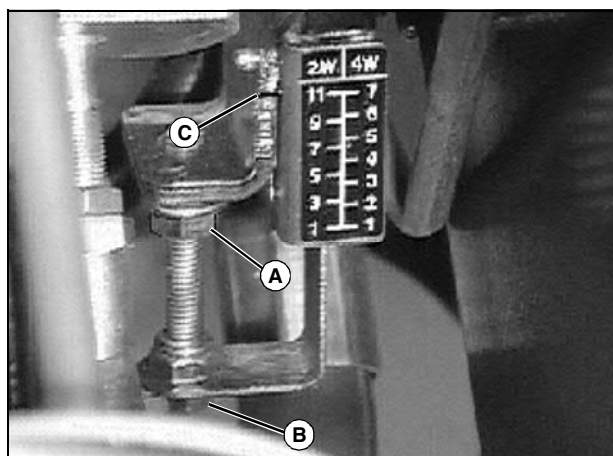
## Indicator Lights



M57571

- A - Engine Oil Pressure Indicator**
- B - Battery Discharge Indicator**
- C - Engine Coolant Temperature Indicator**
- D - Engine Cold Start Indicator**
- E - Reel Engaged Indicator**
- F - High Hydraulic Oil Filter Pressure Indicator**
- G - High Hydraulic Oil Temperature Indicator**

## Adjusting Mow Speed (3215B/3225B)



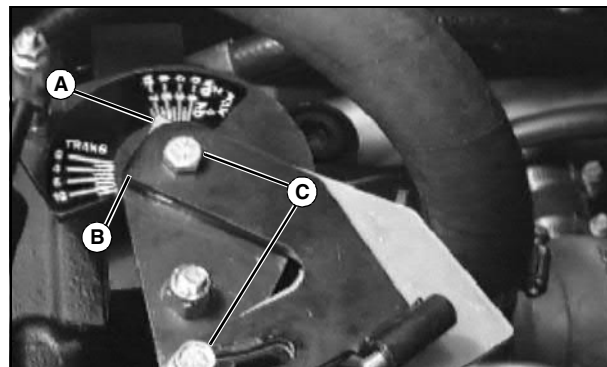
M57435

1. Loosen nut (A) and turn bolt (B), so that the mark (C) aligns with a corresponding number for desired maximum mow speed.
2. Tighten nut (A) when desired maximum mow speed is selected.

## Adjusting Mow and Transport Speeds (3235B)

**IMPORTANT: Avoid damage! Moving one adjusting arm may move the other arm. Check both speed selections before tightening hardware.**

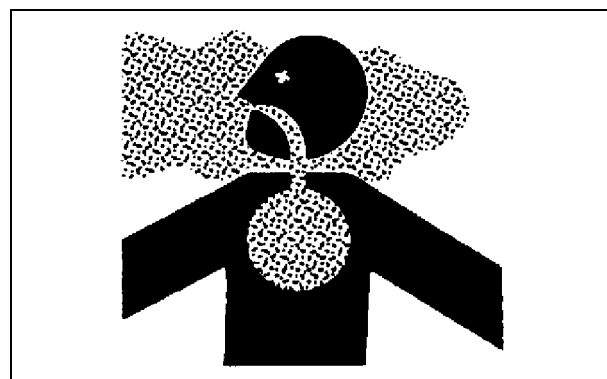
1. Select maximum mow speed:



M85479

- Loosen two bolts (C) and align bottom arm (A) with corresponding number for desired maximum speed.
  - Tighten bolts when desired maximum speed is selected.
2. Select maximum transport speed:
    - Loosen two bolts (C) and align top arm (B) with corresponding number for desired maximum speed.
    - Tighten bolts when desired maximum speed is selected.

## Testing Safety Systems



TS220

# OPERATING MACHINE



**CAUTION: Avoid injury! Engine exhaust fumes can cause sickness or death.**

- If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.
- If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

Use the following checkout procedure to check for normal operation of mower.

If there is a malfunction during one of these procedures, Do not operate mower. **See your John Deere dealer for service.**

Perform these tests in a clear open area. Keep bystanders away.

## Testing Mow/Transport Lever Switch

**IMPORTANT: Avoid damage! If test fails, the engine may start and reels may engage.**

1. Sit on seat.
2. Depress brake pedal, or lock park brake.
3. Put Mow/Transport lever in mow position.
4. Turn key to start position.
5. Engine must not crank.

**Result:** Engine must not start. If engine starts, there is a problem with your safety interlock circuit.

## Testing Seat Switch

### Test 1:

1. Sit on machine.
2. Start engine.
3. Unlock park brake and release brake pedal.
4. Put Mow/Transport lever in MOW position.
5. Raise up off seat. do not get off machine.
6. Engine should stop.

**Result:** Engine must not start. If engine starts, there is a problem with your safety interlock circuit.

### Test 2:

1. Move Mow/Transport lever to transport.

2. Start engine.
3. Unlock brake.
4. Raise up off seat. Do not get off machine.
5. Engine should stop.
6. Third, part of test:
  - Move Mow/Transport lever to transport.
  - Start engine.
  - Lock park brake.
  - Raise up off seat. do not get off machine.
  - Engine should continue to run.

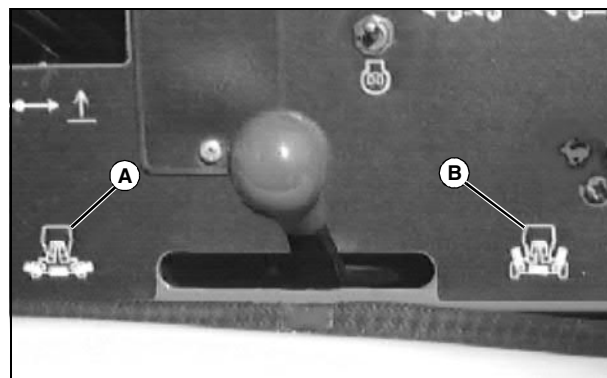
**Result:** Engine should stop. If engine does not stop, there is a problem with your safety interlock circuit.

### Test 3:

1. Move Mow/Transport lever to transport.
2. Start engine.
3. Lock park brake.
4. Raise up off seat. do not get off machine.

**Result:** Engine should continue to run. If engine stops, there is a problem with your safety interlock circuit.

## Using Mow/Transport Lever



M79057

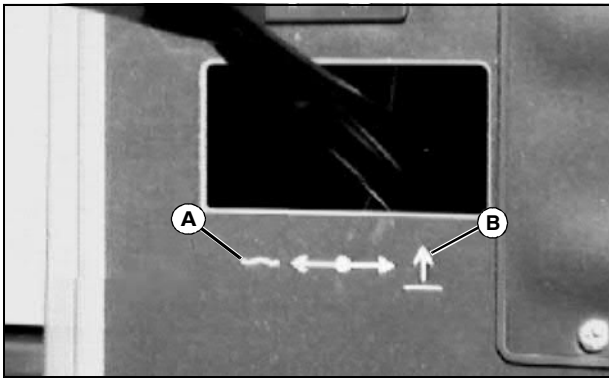
1. Move lever forward to mow position (A) to allow cutting units to be engaged when Lift/Lower lever is pushed forward.
2. Move lever rearward to transport position (B) to disengage reel drive for cutting units.

## Using Lift/Lower Lever

**NOTE: Rear cutting units are time-delayed to lower to ground and raise after front cutting units.**

# OPERATING MACHINE

With Mow/Transport lever forward in mow position:



M79056

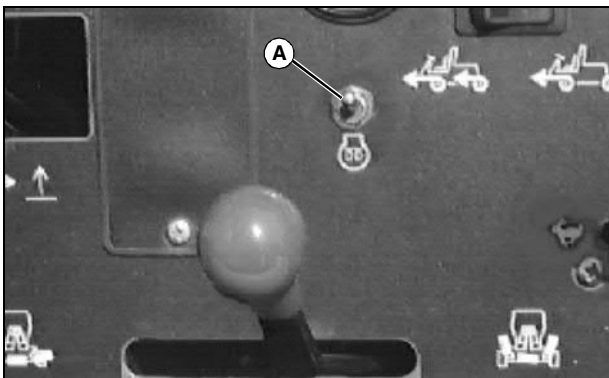
- Move lever forward (A) to lower cutting units to begin mowing operation.
- Move lever rearward (B) to lift cutting units while turning during cutting operation.

With Mow/Transport lever in transport position:

- Move Lift/Lower lever rearward (B) to raise cutting units for transport.

## Using Engine Cold Start Switch

**NOTE:** If air temperature is 4°C (40°F) or colder, it may be necessary to warm engine intake air to assist in engine starting.



M79057

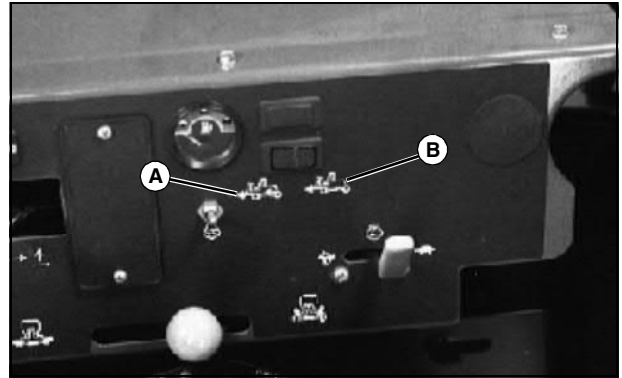
1. Activate air heater by holding cold start switch (A) down for 20 to 30 seconds.

## Using Four Wheel Drive Traction Unit (Optional)

**NOTE:** Ground speed will decrease when 4WD is turned on.

*The four-wheel drive system is automatically turned*

*on with the Mow/Transport lever in mow position. Four-wheel drive is not activated in reverse in either mow or transport position. Moving the lever to the transport position will disengage the 4WD. It can be turned on in transport position using rocker switch.*



M57517

1. Push rocker switch forward (A) to turn 4WD ON.
2. Push rocker switch rearward (B) to turn 4WD OFF.

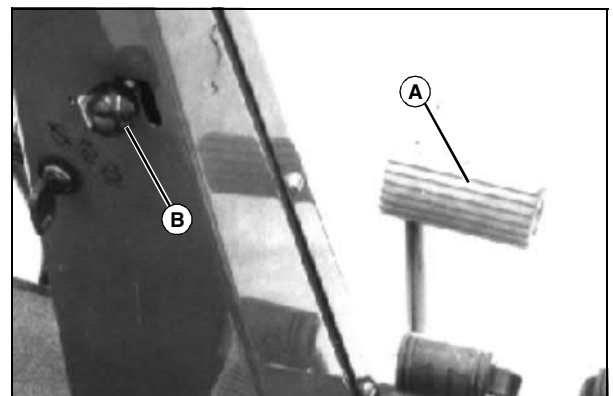
## Using Park Brake

**NOTE:** The park brake can be used to stop the machine in an emergency. Reels cannot engage with park brake pedal depressed.



**CAUTION:** Avoid injury! Always lock park brake before getting off mower.

To lock the park brake:



M73578

- Move knob (B) to the bottom of the slot.
- Push pedal (A) down. Pedal will stay down.

To unlock the park brake:

- Push and hold pedal (A) down.



**Suggest:**

**If the above button click is invalid.**

**Please download this document**

**first, and then click the above link**

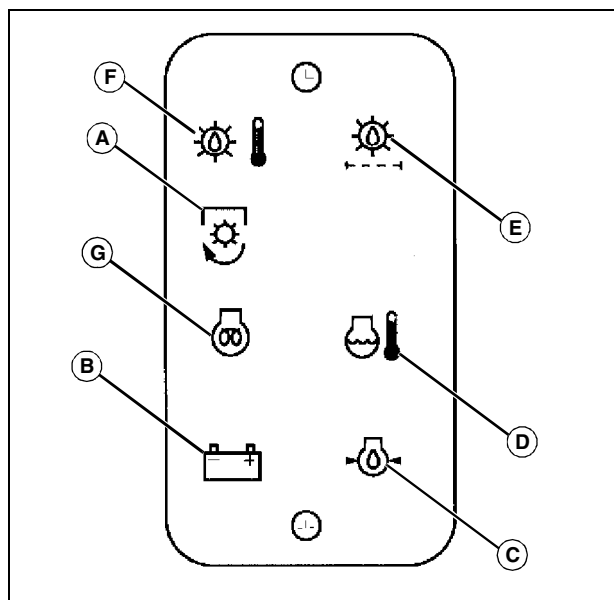
**to download the complete manual.**

**Thank you so much for reading**

# OPERATING MACHINE

- Move knob (B) to the top of the slot.
- Release pedal.

## Indicator Lights



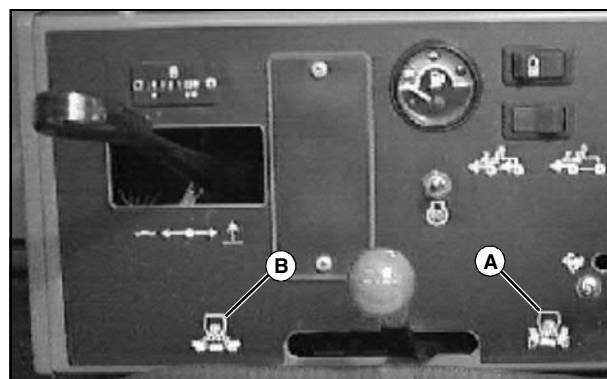
- The “Reel Engaged” indicator (A) will come on when the Mow/Transport lever is moved into the mow position.
- “Battery Discharge” indicator (B) will come on when key is first turned on to on and should go out when engine starts. If indicator comes on while operating machine, perform appropriate service.

**NOTE: C, D, E and F have audible alarm.**

- “Low Oil Pressure” indicator (C) will come on when key is first turned on to ON and should go out when engine starts. If light remains on or comes on while operating machine, stop engine immediately and perform appropriate service.
- “High Engine Temperature” indicator (D), indicates excessive engine heat. Pull over to side of fairway and let engine idle for several minutes to cool down. Perform necessary service to machine before operating.
- “High Hydraulic Oil Filter Pressure” indicator (E), indicates above-normal pressure across the hydraulic filter. Replace filter.
- “High Hydraulic Oil Temperature” light (F) indicates hydraulic oil is over-heating. Pull over to side of fairway and let engine idle for several minutes to cool down. Perform necessary service to machine before operating.
- “Engine Cold Start” indicator (G) will come on when the cold start switch is used in cold weather and will go out when operator releases switch.

## Safety Interlock System

For the starter to engage and the engine to run, the following conditions must be met simultaneously:



- Mow/Transport lever must be in the transport position (A). Hydrostatic drive pedals should be in neutral.
- Operator should be in seat and/or park brake locked.
- If the operator is mowing (Mow/Transport lever forward to mow (B)) and the operator leaves the seat, the engine will stop.
- If the operator has stopped mowing, and moves Mow/Transport lever back to transport position and leaves the seat with ground drive in neutral, but without the park brake locked, the engine will stop.
- If the operator attempts to drive forward or backward while the park brake is locked, the engine will Stop.
- If Mow/Transport is in mow, depressing park brake will shut reels off. Reels will not rotate with the park brake depressed.

**NOTE: Provision has been made to allow a trained operator to backlap the reels from the ground with the engine running and the cutting units in motion. (See SERVICE-CUTTING UNITS section for procedure.)**

## Starting The Engine

**IMPORTANT: Avoid damage! Run engine at half-speed for 2 or 3 minutes to warm hydraulic oil before using cutting units.**

**Avoid unnecessary idling.**

**Keep grille and screens clean. The engine needs a large volume of air to keep cool.**

1. Lock parking brake.
2. Put all operating controls in neutral.
3. Move Mow/Transport lever to transport position.

**<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>**