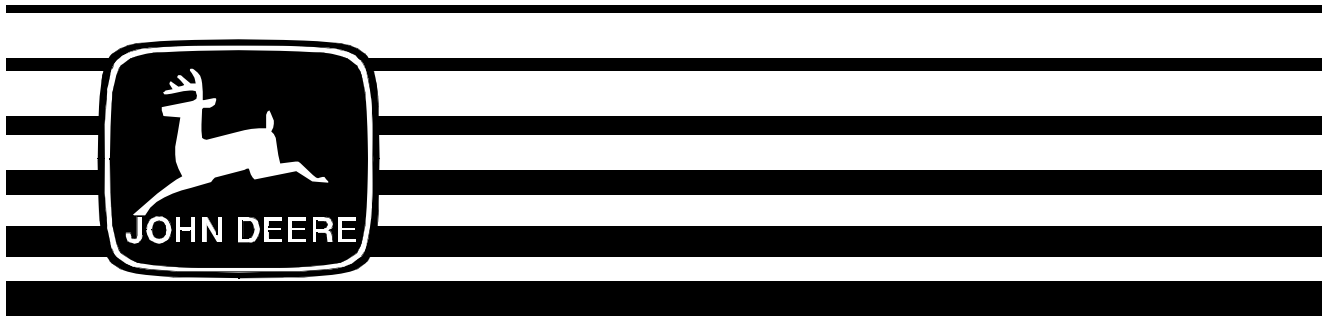


2500 Professional Greensmower

Gas Serial No. (10001 -)

Diesel Serial No. (10001 -)



OPERATOR'S MANUAL

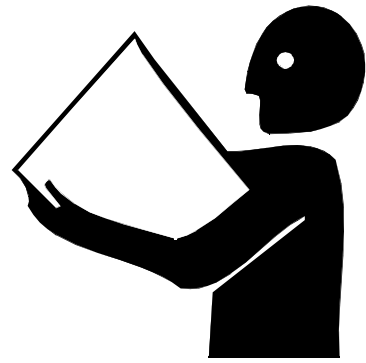
John Deere
Worldwide Commercial And
Consumer Equipment Division
OMMT6354 A9

North American
Litho in U.S.A.
English

INTRODUCTION

THANK YOU for purchasing a John Deere product.

Read this manual and your attachment manuals thoroughly. Failure to do so could result in personal injury or equipment damage.



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

This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.

Measurements in this manual are metric units and their U.S. customary equivalents. 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 (---->), it indicates the part it is pointing to is hidden.

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts.

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT IDENTIFICATION NUMBER (A):

ENGINE SERIAL NUMBER (B):

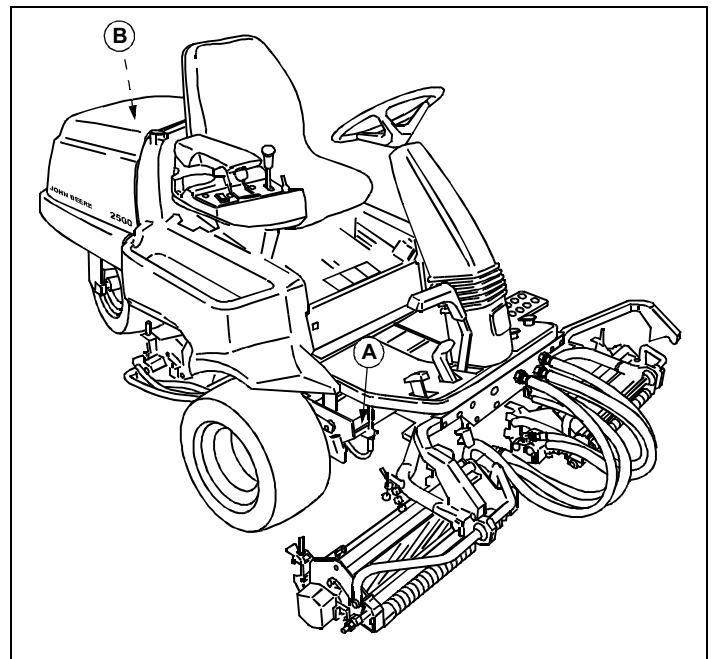


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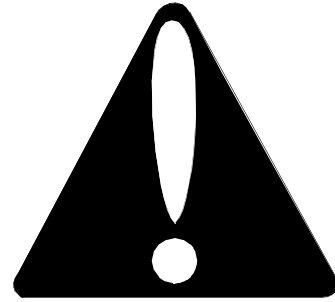
SAFETY SIGNS

Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.

Keep safety signs in good condition. You can buy safety signs from your John Deere dealer.



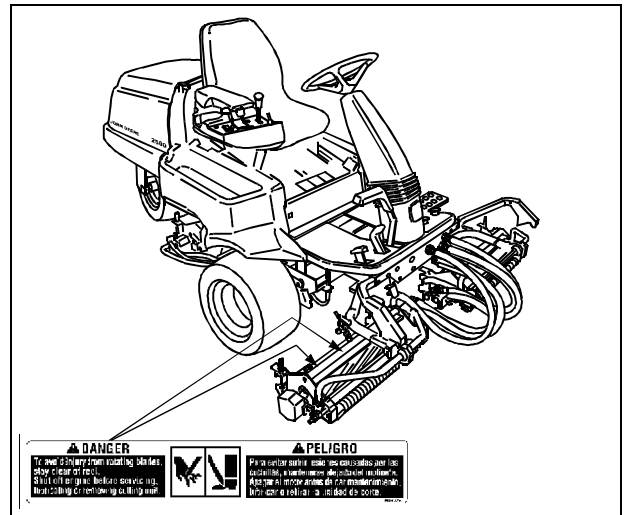
Machine Safety Labels

DANGER

Picture Note: Two safety labels attached to each cutting reel.

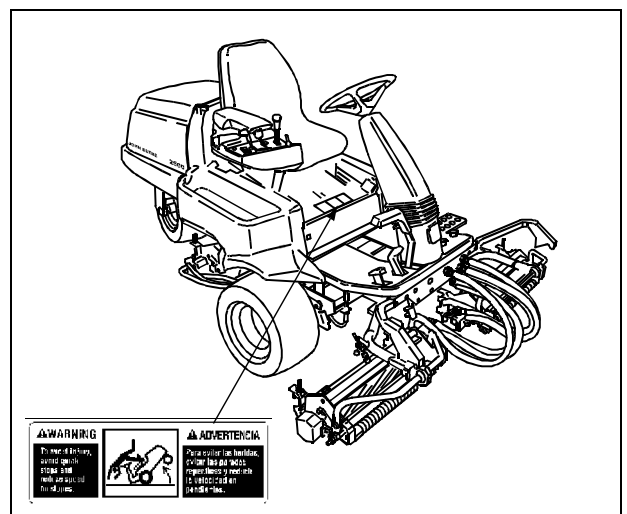
To avoid injury from rotating blades, stay clear of reel.

Shut off engine before servicing, lubricating or removing cutting unit.



WARNING

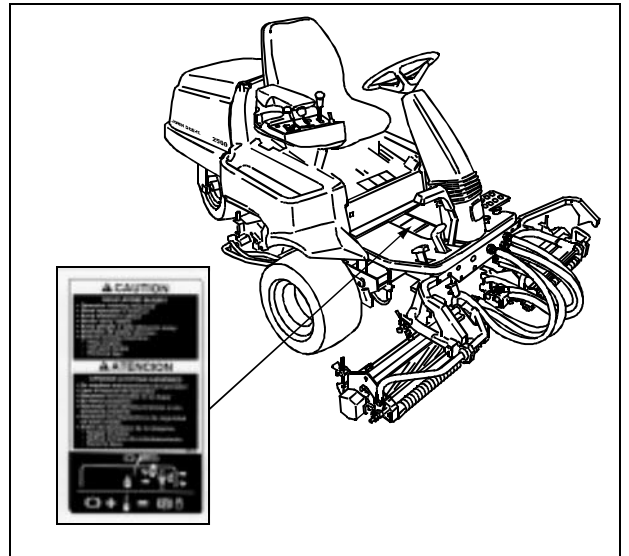
To avoid injury, avoid quick stops and reduce speed on slopes.



SAFETY SIGNS

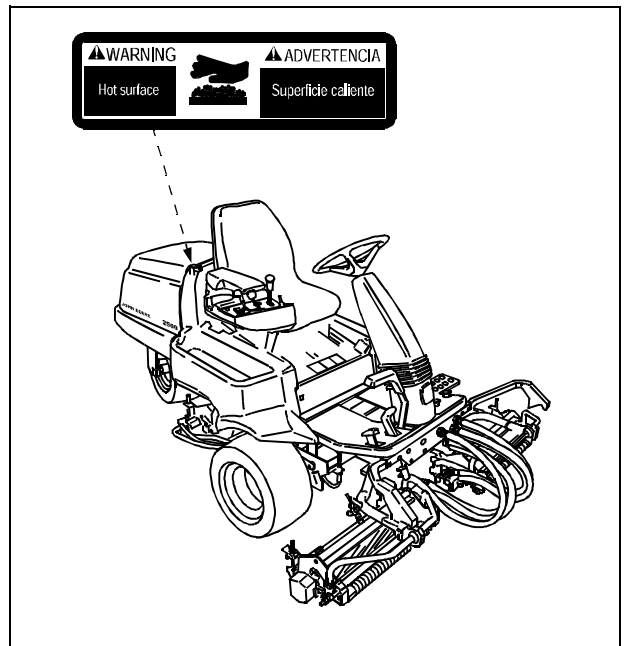
CAUTION HELP AVOID INJURY

- Operator training required.
- Read operator's manual.
- Keep shields in place.
- Never carry riders.
- Keep people a safe distance away.
- Maintain all safety devices.
- Before leaving machine:
 - Stop engine.
 - Set park brake.
 - Remove key.



WARNING HOT SURFACE

Picture Note: Safety label attached to top of radiator.



SAFETY SIGNS

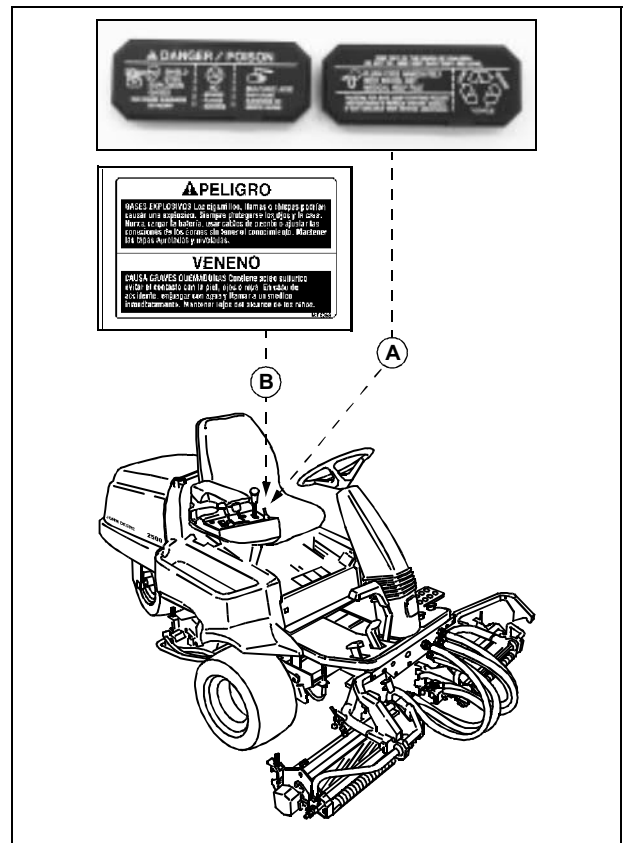
DANGER: EXPLOSIVE GASES

Picture Note: Raise operator seat to locate battery safety information. English DANGER/POISON information (A) molded into battery caps. Spanish DANGER/POISON label (B) is attached to the front of the battery.

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

POISON—CAUSES SEVERE BURNS

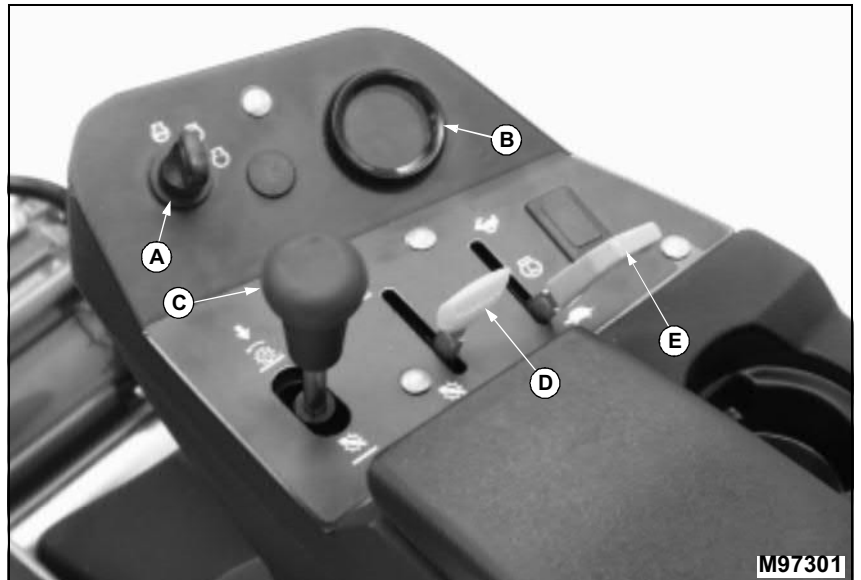
Contains sulfuric acid. Avoid contact with skin, eyes or clothing. In event of an accident, flush with water and call a physician immediately. Keep out of reach of children.



CONTROLS

Console Controls—Gas Model

- A - Key Switch
- B - Indicator Lights
- C - Raise/Lower Lever
- D - Mow/Transport Lever
- E - Throttle Control Lever



Pedestal Controls—Gas Model

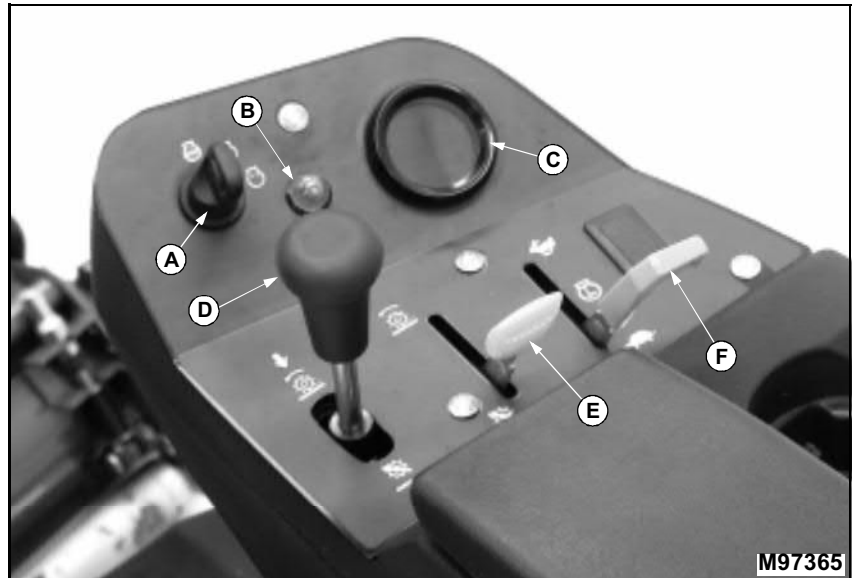
- A - Tilt Steering Adjustment Handle
- B - Choke Knob



CONTROLS

Console Controls–Diesel Model

- A - Key Switch
- B - Glow Plug Indicator Light
- C - Indicator Lights
- D - Raise/Lower Lever
- E - Mow/Transport Lever
- F - Throttle Control Lever



Pedestal Controls–Diesel Model

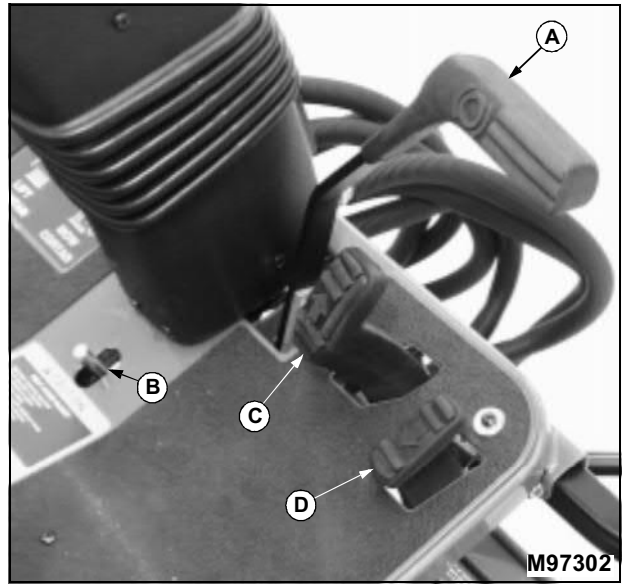
- A - Tilt Steering Adjustment Handle



CONTROLS

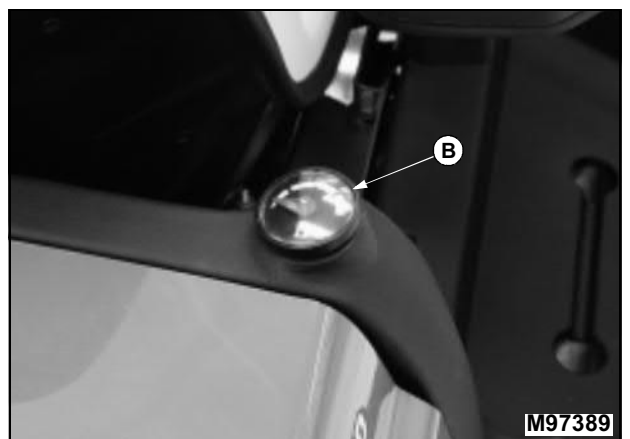
Foot/Platform Controls

- A - Park Brake Pedal/Emergency Brake
- B - Park Brake Lock
- C - Forward Travel Pedal
- D - Reverse Travel Pedal



Miscellaneous Controls

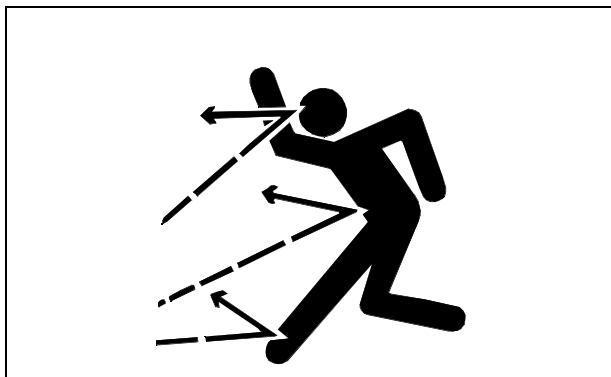
- A - Seat Adjustment Lever
- B - Fuel Gauge



OPERATING MACHINE

Operate Safely

- Check brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine and attachments properly maintained and in good working order.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Be careful of traffic when operating near or crossing roadways.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.



Mount And Dismount Safely

- Do not step on pedals when mounting or dismounting.
- Keep step area and platform clean.
- Stop machine, move Mow/Transport lever to transport position, lower cutting units to the ground, lock park brake, stop engine, remove key, and wait for all moving parts to stop before dismounting.



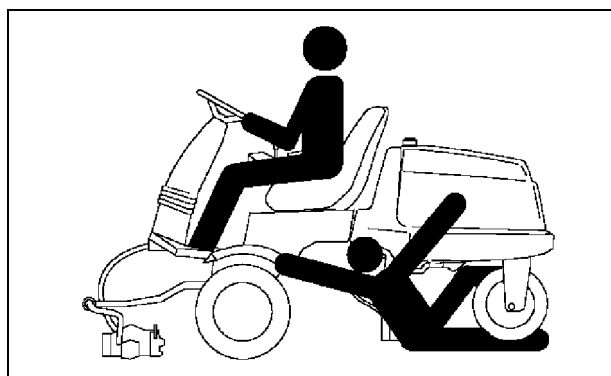
OPERATING MACHINE

Park Safely

- Stop machine on a level surface, not on a slope.
- Move the Mow/Transport lever to the TRANSPORT (🚗) position.
- Engage and lock park brake.
- STOP engine.
- Remove key.
- Before you leave the operator's location, wait for engine and all moving parts to STOP.

Keep Riders Off

- Only allow the operator on the machine. Keep riders off the machine.
- Riders on the machine 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.



Operator Training Required

- Study operation section of this manual before operating the machine.
- Operate machine in an open, unobstructed area under the direction of an experienced operator.
- Learn the use of all controls before operating on a green.
- Operator experience is required to learn the moving, stopping, turning and other operating characteristics of the machine.

OPERATING MACHINE

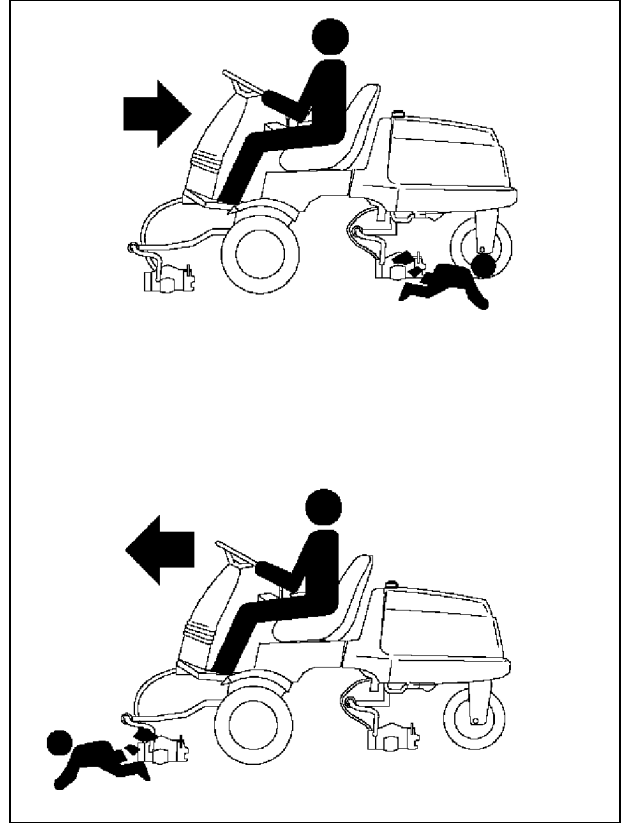
Rotating Blades are Dangerous - Protect Children and Prevent Accidents

PROTECT CHILDREN:

- Never assume that children will remain where you last saw them. Children are attracted to mowing activity, stay alert to the presence of children.
- Keep children in the house when you are operating the machine.
- Turn machine off if a child enters the mowing area.
- Use extra care when you come to blind corners, shrubs, trees, or other objects that may block your vision.
- DO NOT let children or an untrained person operate the machine.
- DO NOT carry or let children ride on machine or any attachment. DO NOT tow children in a cart or trailer.

HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

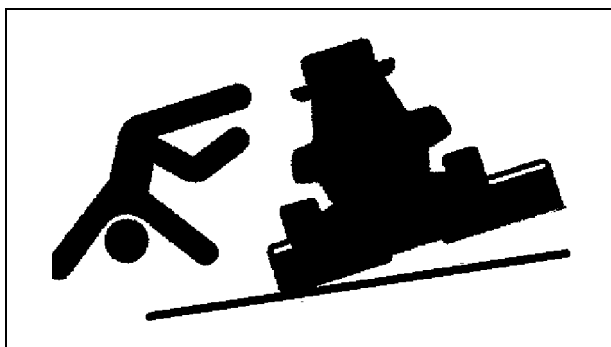
- Be alert at all times, drive forward carefully. People especially children can move quickly into the mowing area before you know it.
- Back carefully. Shut off cutting units and look behind the machine carefully, especially for children, before you back up.
- DO NOT mow in reverse.
- Shut off cutting units when you are not mowing.
- DO NOT operate machine if you are under the influence of drugs or alcohol.



OPERATING MACHINE

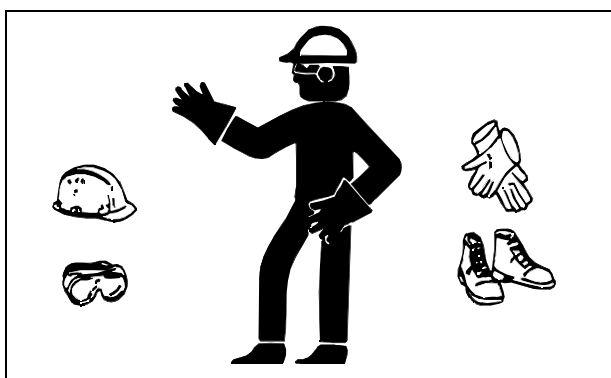
Avoid Tipping

- DO NOT drive where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain while driving to the work site.
- Keep away from drop-offs.
- Slow down before you make a sharp turn or operate on a slope.
- MOW UP AND DOWN A HILL–NOT ACROSS. Use caution when changing direction on a slope.



Wear Appropriate Clothing

- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe service requires your full attention.



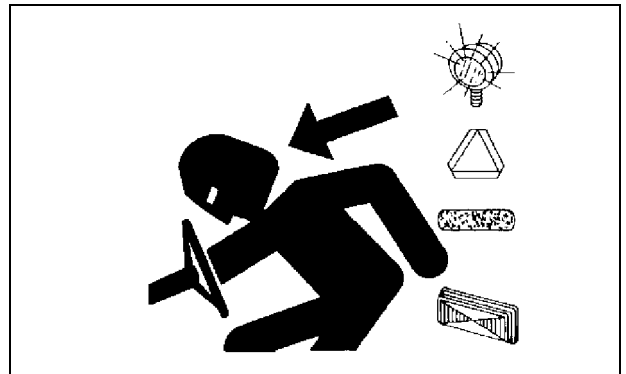
Check Wheel Bolts

- 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.

OPERATING MACHINE

Transport Safely

- Use safety lights and devices. Slow moving machines when driven on public roads are hard to see, especially at night. Avoid personal injury or death resulting from a collision with a vehicle.
- Flashing warning lights are recommended whenever driving on public roads to increase visibility. Extra flashing warning lights may need to be installed.



Avoid Neutral Creep

- The machine may creep forward or backward while in neutral with engine running.
- After engine has started, release parking brake and with directional speed control speed pedals centered, machine should not move.
- If movement is evident, neutral return mechanism is adjusted incorrectly. (See **Adjusting Transmission Neutral** and **Adjust Neutral Lock** in the **Service-Hydraulics and Transmission** section).

Avoid High Pressure Fluids

- 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 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.



OPERATING MACHINE

Adjusting Operator Seat

1. Sit on the operator's seat.
2. Pull and hold lever (A) to the left.
3. Slide seat forward or backward to desired position.
4. Release lever.



Adjusting Tilt Steering Wheel

Picture Note: Tilt steering wheel adjustment T-handle on diesel model shown.

1. Sit on the operator's seat.
2. Raise and hold adjustment T-handle (A).
3. Move steering wheel to desirable operating position.
4. Lower T-handle to lock steering wheel in position.



Using the Choke (Gas Model)

- Pull knob (A) out to CHOKE engine.
- Push knob (A) in to OPEN choke.



OPERATING MACHINE

Using the Park Brake

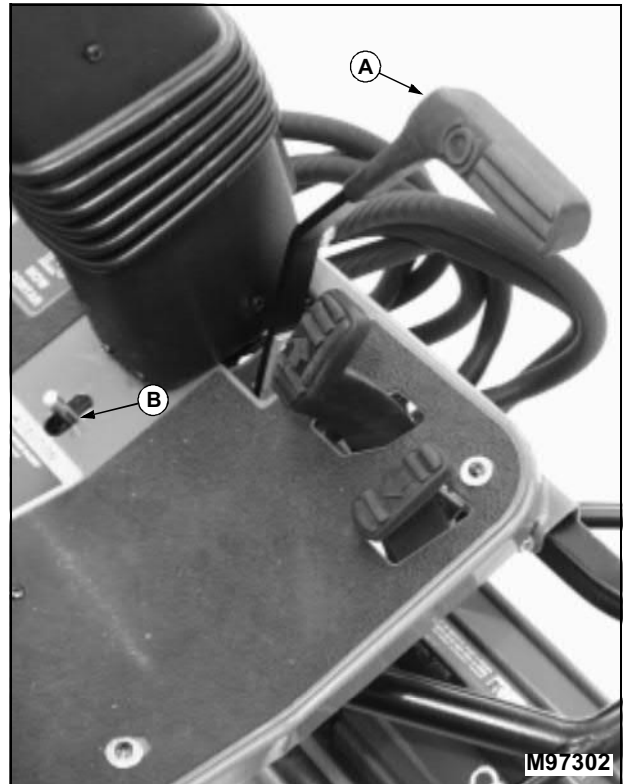
Locking the Park Brake

1. Depress and hold brake pedal (A) down with right foot.
2. Depress park brake lock (B) with left foot.
3. Release park brake pedal.
4. Release park brake lock. Park brake pedal and park brake lock should remain locked in the down position.

NOTE: Forward and reverse travel pedals are not operational when park brake is locked.

Unlocking the Park Brake

1. Depress park brake pedal (A). Park brake lock (B) should release immediately.



Glow Plug (Diesel Model)

NOTE: Glow plugs preheat the combustion chamber for better starting performance.

1. Turn key switch to the RUN position.
 - The amber glow plug indicator light (A) should go on.
 - The indicator light should go off in approximately three seconds after the key switch is turned to the RUN position.
2. Turn the key switch to the START position.
 - When the engine starts, release key switch to the RUN position.



OPERATING MACHINE

Using the Raise/Lower Lever

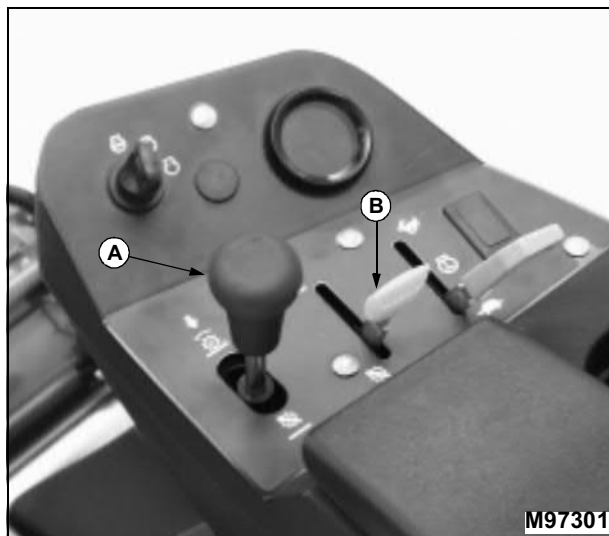
Picture Note: Console controls on gas model shown.

1. Push Raise/Lower lever (A) forward to lower cutting reels.

- If the Mow/Transport lever (B) is in the MOW (⊙) position the cutting reels will begin to rotate.
- If the Mow/Transport lever is in the TRANSPORT (⊗) position, cutting units will lower but will not engage.

2. Pull lever (A) rearward to raise cutting units.

- If the Mow/Transport lever is in the MOW (⊙) position cutting reel rotation will stop.



Using the Mow/Transport Lever

Picture Note: Console controls on gas model shown.

1. Pull the Raise/Lower lever (A) rearward to raise cutting units.

2. Move the Mow/Transport lever (B) to the MOW (⊙) position.

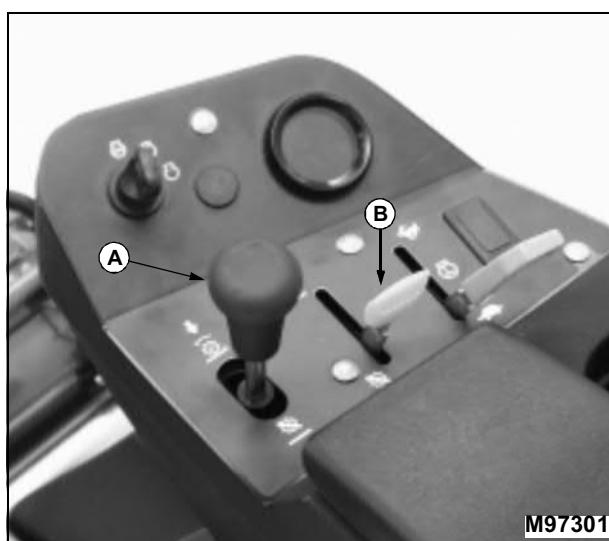
3. Push the Raise/Lower lever forward to lower cutting units.

- Cutting reels will begin to rotate when the cutting units are lowered.

4. Pull Raise/Lower lever rearward to raise cutting units.

- Cutting reels will stop rotating when the cutting units are raised.

5. Move the Mow/Transport lever to the TRANSPORT (⊗) position to disengage reel drive for cutting units.

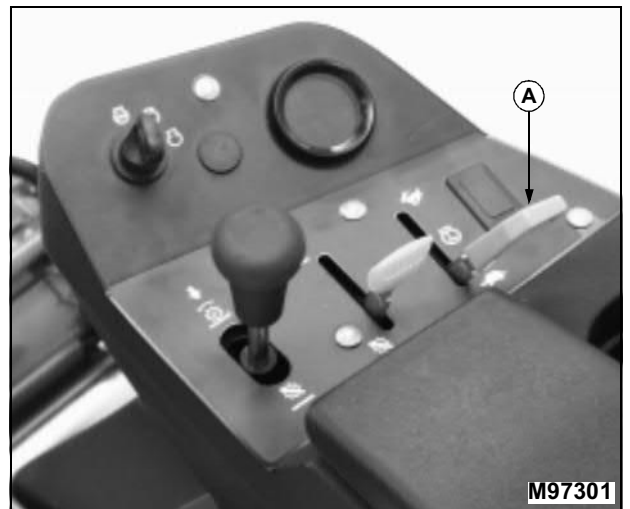


OPERATING MACHINE

Using the Throttle Lever

Picture Note: Console controls on gas model shown.

- Push throttle lever (A) all the way forward to the FAST (🚀) position when mowing.
- Move lever (A) to the half throttle (🌀) position when starting and warming the engine.
- Pull lever (A) all the way rearward to the SLOW (🐢) position. Do not run engine at SLOW (🐢) idle any longer than necessary.

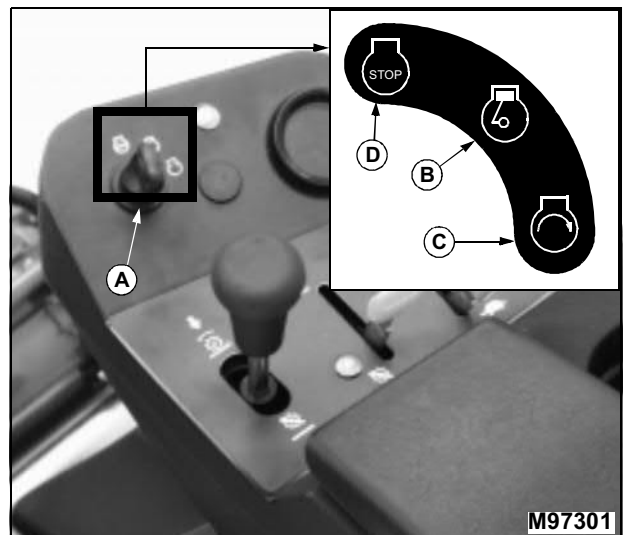


Using the Key Switch

NOTE: To help prevent engine backfiring, the engine will continue to run approximately two seconds after keyswitch is turned to the "STOP" position. After engine has stopped, an approximate two-second delay will prevent the engine from immediately being restarted.

Picture Note: Console controls on gas model shown.

- Turn key switch (A) to the RUN position (B). The engine oil pressure indicator light and battery indicator light should come on. Engine is ready to start.
- Turn key switch to the START position (C) to start engine.
- Turn key switch to the STOP position (D) to stop engine.



Using the Fuel Gauge

- Fuel gauge (A) indicates fuel level.





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OPERATING MACHINE

Using Fuel Shut-Off Valve (Diesel Model)

Picture Note: Fuel shut-off valve shown in the open position.

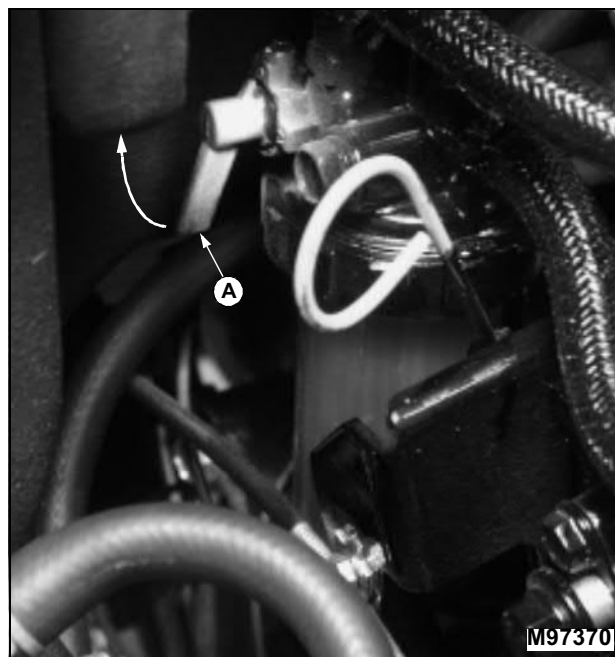
1. Open rear engine cowling.
2. Locate fuel filter sediment bowl assembly on the left side of the engine.
3. Rotate two position fuel shut-off valve lever (A) to the "O" (open) position or "C" (closed) position.

"C" (Closed) position:

- When performing any type of engine service.
- When transporting.
- During periods of extended storage.

"O" (Open) position:

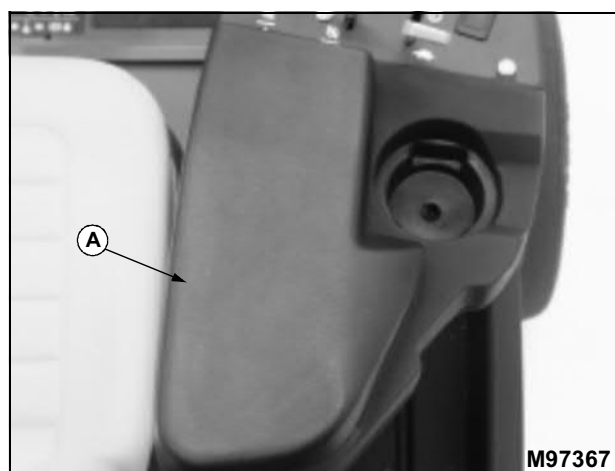
- Fuel shut-off valve must be in the full OPEN position for proper fuel delivery to the engine.



Using the Hour Meter

NOTE: Hour meter will continue to run when key switch is left in the RUN position.

- Open hinged console control armrest (A) to locate hour meter.



- The hour meter (B) shows the approximate number of hours the greensmower has run.
- The service interval chart provides information on necessary service intervals. Use the hour meter and Service Interval Chart to determine when the greensmower will need service. (See **Service Interval Chart**.)



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