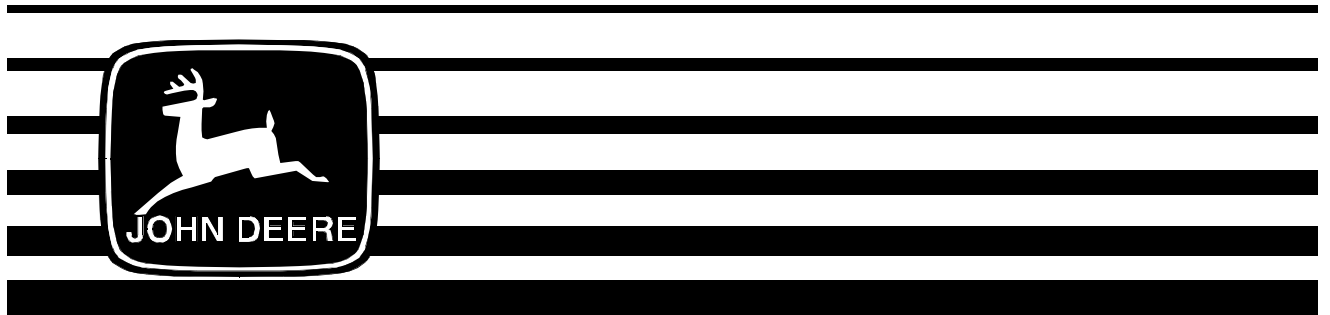


# Utility Vehicle ProGator®

**2020** Serial No. (010001 - )

**2030** Serial No. (010001 - )



# OPERATOR'S MANUAL

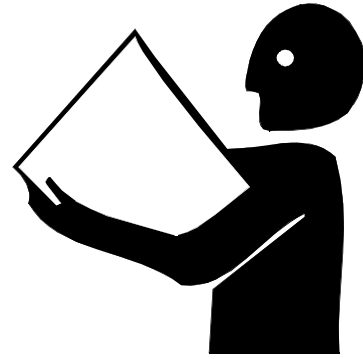
**John Deere**  
**Worldwide Commercial And**  
**Consumer Equipment Division**  
**OMM141589 J9**

North American  
Litho in U.S.A.  
English

# INTRODUCTION

**THANK YOU** for purchasing a John Deere product.

Read this manual 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.

Product warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The product warranty is explained on the warranty certificate you received from your dealer.

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:**

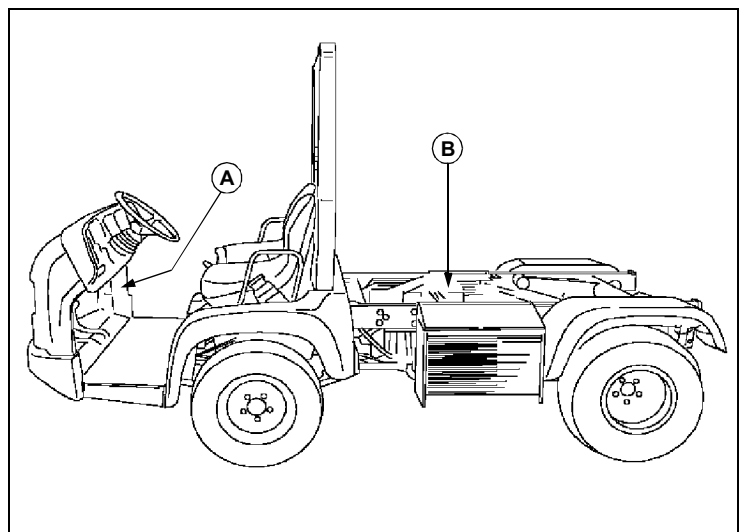
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**PRODUCT IDENTIFICATION NUMBER (A):**

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**ENGINE SERIAL NUMBER (B):**

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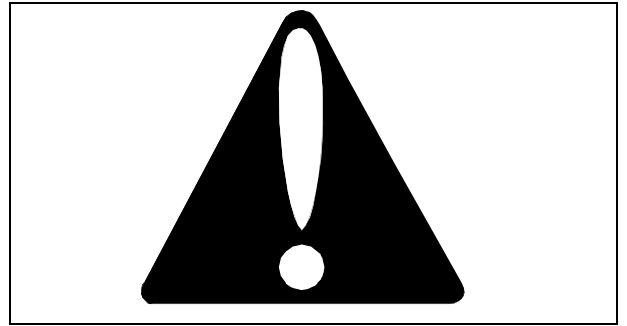
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# SAFETY SIGNS

## 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.

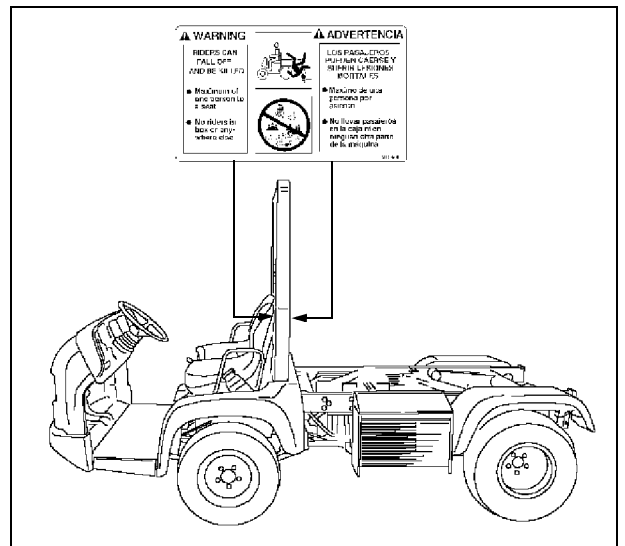


## Machine Safety Labels

### WARNING

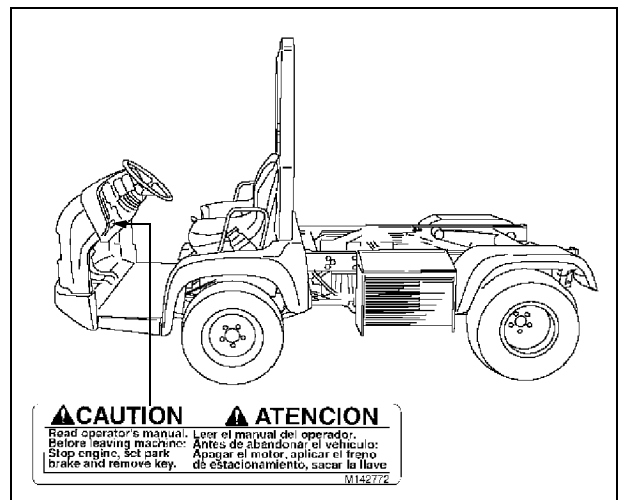
#### RIDERS CAN FALL OFF AND BE KILLED

- Maximum of one person to a seat
- No riders in box or anywhere else



### CAUTION

Read operator's manual. Before leaving machine: Stop engine, set park brake and remove key.

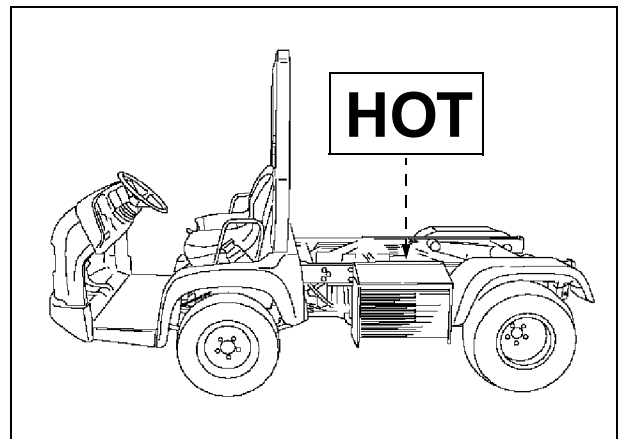


# SAFETY SIGNS

## WARNING—HOT SURFACE

Picture Note: “HOT” muffler warning stamped into the top of the vehicle muffler.

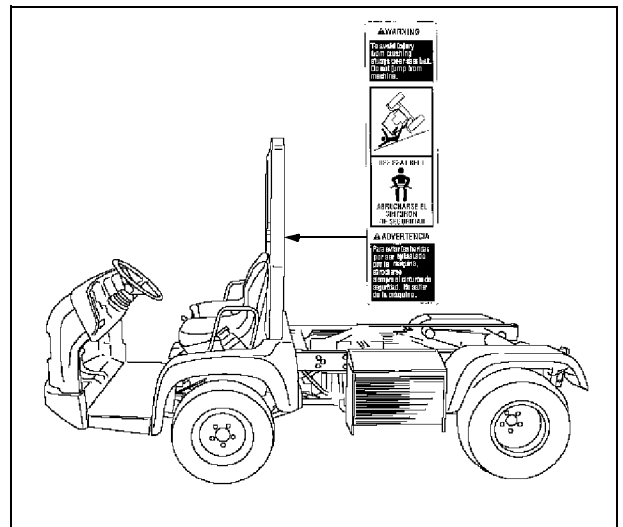
DO NOT touch the vehicle muffler, it may be hot.



## WARNING

### USE SEAT BELT

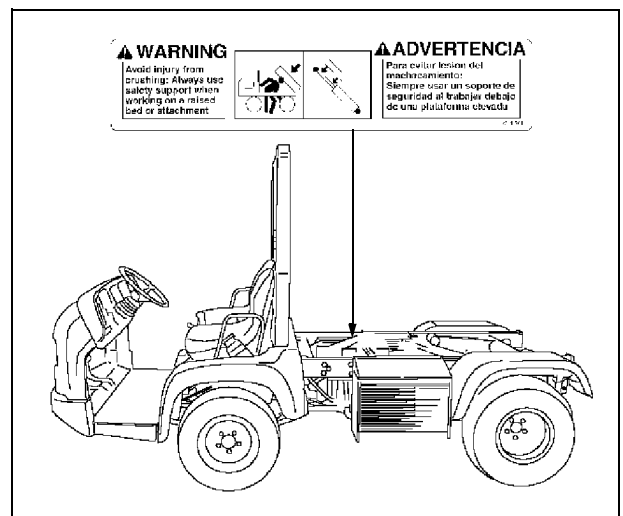
To avoid injury from crushing always wear seat belt. Do not jump from machine.



## WARNING

Picture Note: Labels are located on each vehicle frame side rail.

Avoid injury from crushing: Always use safety support when working on a raised bed or attachment.

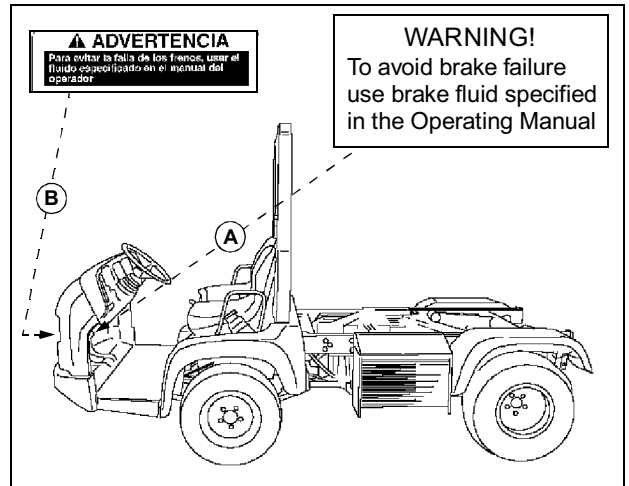


# SAFETY SIGNS

## WARNING

**Picture Note:** English WARNING information (A) molded into the top of the brake master cylinder. Spanish WARNING label (B) located behind the front grill.

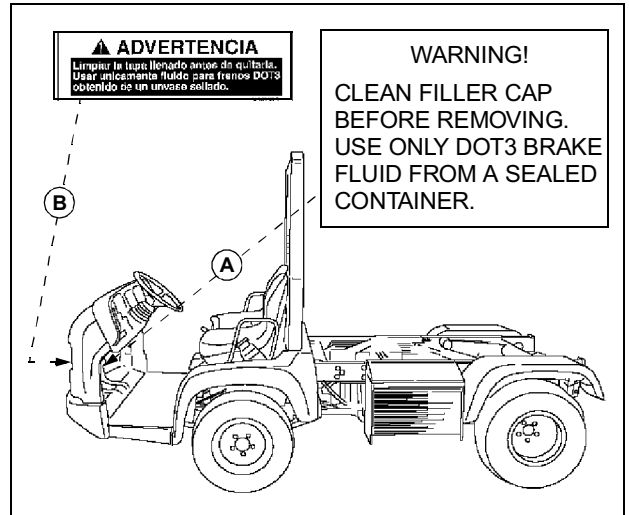
To avoid brake failure use brake fluid specified in the Operating Manual.



## WARNING

**Picture Note:** English WARNING information (A) molded into the brake master cylinder fill cap. Spanish WARNING label (B) located behind the front grill.

CLEAN FILLER CAP BEFORE REMOVING. USE ONLY DOT3 BRAKE FLUID FROM A SEALED CONTAINER.



## DANGER/POISON

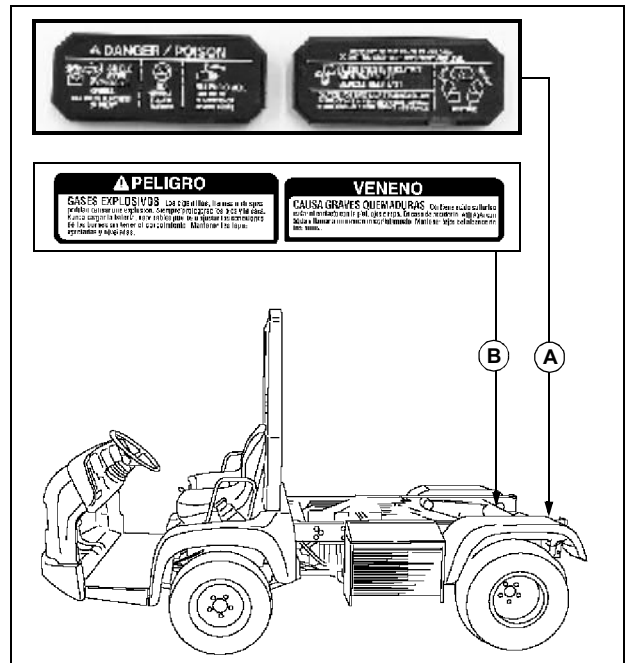
**Picture Note:** English DANGER/POISON information (A) molded into vehicle battery caps. Spanish DANGER/POISON label (B) is located on the vehicle frame.

### Explosive Gases

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

### 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

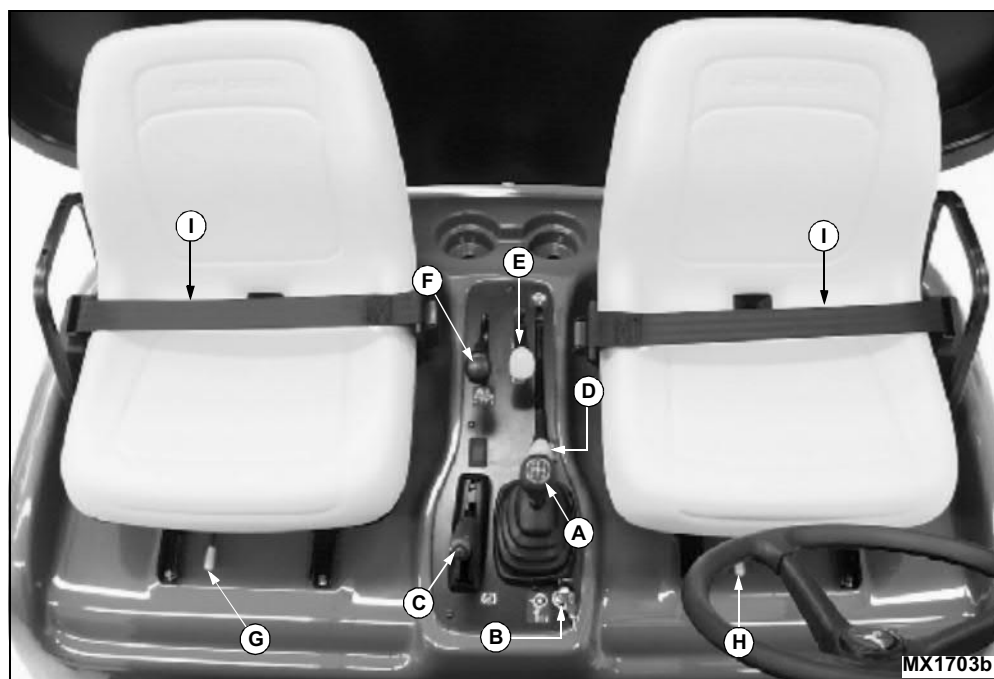
## Dash and Foot Controls

- A - Instrument Panel
- B - Horn
- C - Light Switch
- D - Key Switch
- E - Clutch Pedal
- F - Brake Pedal
- G - Accelerator Pedal



## Console and Miscellaneous Controls

- A - Gear Shift Lever
- B - 5th Gear Lockout Switch
- C - Park Brake Lever
- D - Differential Lock Lever
- E - Hydraulic PTO Lever (Optional)
- F - Lift Cylinder Lever
- G - Passenger Seat Adjustment Lever
- H - Operator Seat Adjustment Lever
- I - Seat Belt



# OPERATING

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## Operate Safely

- View the videotape provided with the vehicle for safe operating practices.
- DO NOT misuse the ProGator® Utility Vehicle, it is a utility vehicle NOT a recreation vehicle.
- Sit on the center of the seat and keep both feet within the foot platform perimeter. Clean foot platform if dirty, and remove any debris from around foot controls.
- Check for debris or refuse in the battery storage compartment, especially around brake linkage which attaches to axle housing on each side of the transaxle.
- Always use both hands for steering.
- Know location of controls and how and what they operate.
- Never operate utility vehicle while standing.
- Never operate utility vehicle with the cargo box or any attachment raised.
- Check brake action before beginning vehicle operation. Adjust or service the brakes as necessary.
- To provide adequate braking ability and traction, DO NOT tow any attachment or loaded trailer unless the utility vehicle cargo box is loaded.
- Inspect vehicle before operating. 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 operating.
- Keep people and pets out of the work area. Stop the vehicle if anyone enters the area. If an object is hit, stop and inspect the vehicle for damage. Make repairs before operating. Keep the vehicle properly maintained and in good working order.
- Keep headlight and taillight lenses clean.
- DO NOT leave vehicle unattended when it is running.
- Only operate during daylight or with good artificial light.
- Be careful of traffic when operating near or crossing roadways.
- This vehicle is NOT intended for use on highways or public roadways. It is to be used for off-road use only.
- Avoid sudden starts, stops, or turns.

# OPERATING

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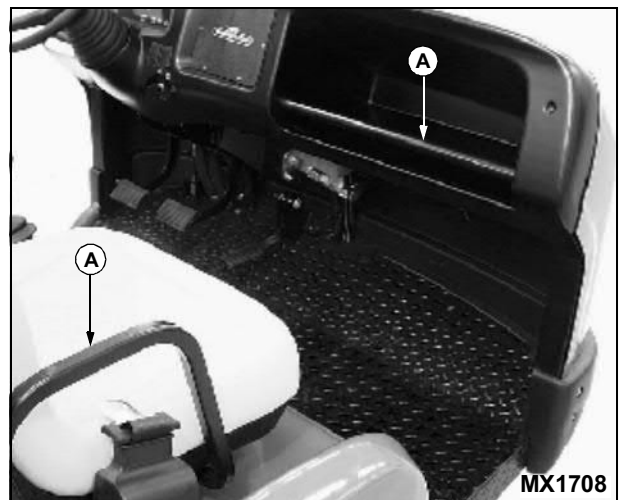
- Always use a level turn-around area.
- DO NOT wear radio or music headphones while operating the vehicle. Safe operation requires your full attention.
- STAY ALERT: LOOK, LISTEN.

## Park Safely

- Stop the vehicle on a level surface, not on a slope.
- Lock park brake.
- Place transmission in first or reverse gear.
- STOP engine.
- Remove key.
- Before leaving the operator's seat, wait for the engine and all moving parts to STOP.
- Block wheels if it is necessary to park the vehicle on an incline.

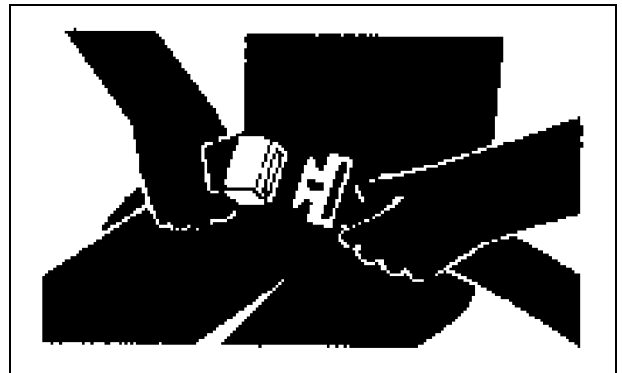
## Use Hand Holds

Hand Holds (A) are provided for operator and passenger balance when driving over rough terrain. Use dash bar and side rails on seats for stability.



## Use Seat Belt Properly

Use a seat belt when you operate with a Roll-Over Protective Structure (ROPS) or cab to minimize the chance of injury from an accident, such as an overturn.



# OPERATING

## Protect Children and Prevent Accidents

### PROTECT CHILDREN:

- Never assume that children will remain where you last saw them. Stay alert to the presence of children.
- If the vehicle is equipped with a cargo box, never carry children in the cargo box area. **DO NOT** allow children to ride in a utility vehicle cargo box or on any attachment. **DO NOT** tow children in a cart or trailer.
- Use extra care when coming to blind corners, shrubs, trees, or other objects that may block vision.
- **DO NOT** let children or an untrained person operate the vehicle.
- Before backing or turning, look behind and around the utility vehicle for children.

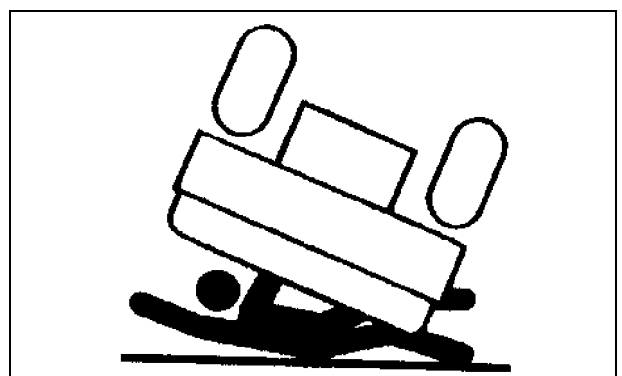
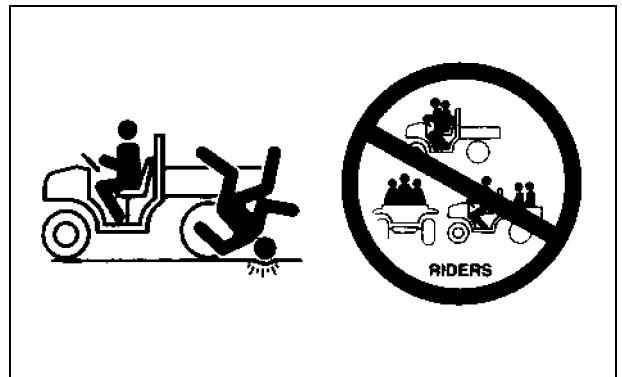
### HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Be alert at all times, drive forward and in reverse carefully. People, especially children, can move quickly into an area of operation.
- Back carefully. Look behind the vehicle, especially for children, before backing up.
- **DO NOT** operate vehicle if under the influence of alcohol or other drugs.
- Misuse and recreational riding can lead to accidents, severe bodily injury or death.

## Avoid Tipping

Accidents resulting in serious injury or death can occur from tipping the utility vehicle. Observe the following practices to help prevent accidents:

- **DO NOT** misuse this utility vehicle. This utility vehicle is not designed for recreational riding.
- Never allow riders in the cargo box or other areas where seats are not provided.
- Drive very slowly when turning. Sharp turns could cause the utility vehicle to tip over.
- Reduce speed and exercise extreme caution on slopes or on rough ground.
- **DO NOT** overload vehicle and avoid shifting loads. Reduce load when operating over rough or hilly terrain.



# OPERATING

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- Stay alert for holes, rocks, loose terrain, wet or slippery surfaces and other hidden hazards in the terrain.
- DO NOT stop or start suddenly when going uphill or downhill. Be especially cautious when changing direction on slopes.
- Keep front wheels straight at crest of hill or going over bumps.
- When descending a hill, remove foot from accelerator and apply brakes to reduce speed and maintain control.
- DO NOT make changes or modifications to this utility vehicle.

## Operator Training Required

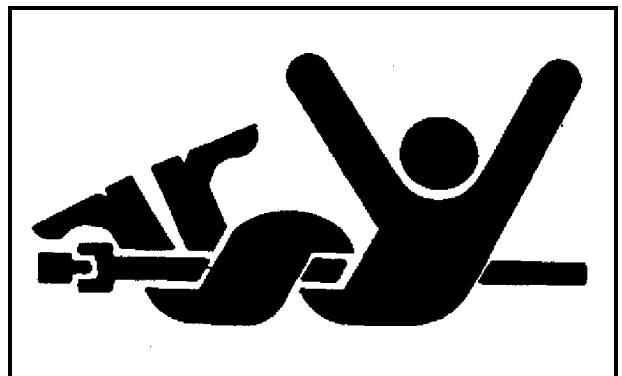
Study Operating section of this manual before operating the vehicle.

- Operate vehicle 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 vehicle.
- Young drivers may not have the strength or experience to control the utility vehicle. This increases the chances of rolling the vehicle over resulting in severe bodily injury or death.
- The utility vehicle should NOT be operated by anyone under the age of 16 years.

## Stay Clear Of Rotating Drivelines

Entanglement in rotating driveline can cause serious injury or death:

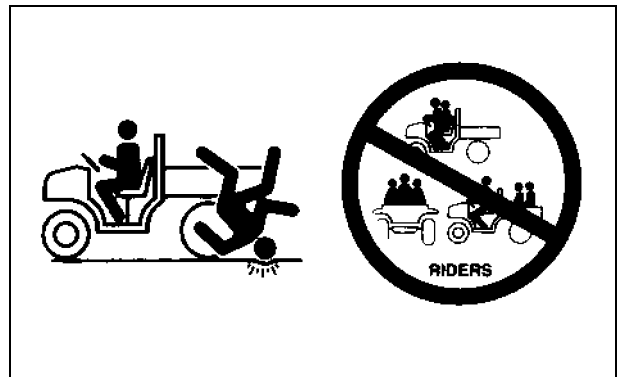
- Keep hands, feet, and clothing away from power driven parts.
- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.



# OPERATING

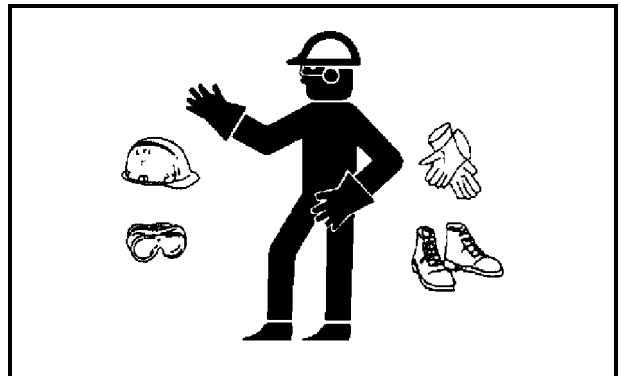
## Keep Riders Off Vehicle

- Seating is provided for operator and one passenger. No riders are allowed in cargo box or anywhere else on vehicle.
- Riders on vehicle are subject to injury such as being struck by foreign objects or being thrown off of the vehicle and severely injured or killed.
- Riders affect the operators ability to control the vehicle as well as its center of gravity. Also, riders could obstruct the operator's view resulting in the vehicle being operated in an unsafe manner.



## 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 operating the vehicle. Safe operation requires your full attention.



## Avoid High Pressure Fluids

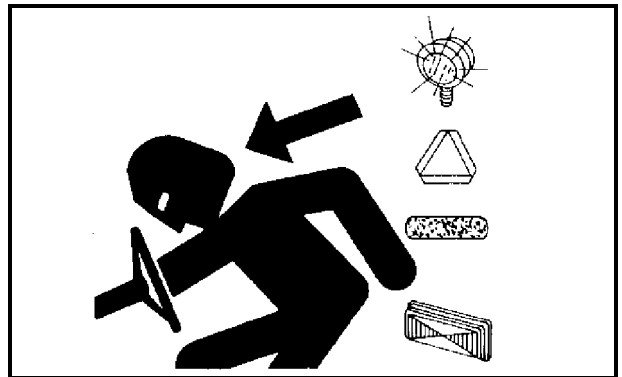
- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections 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

## Transport Safely

- Use safety lights and devices. Slow moving vehicles 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.
- A safety lighting kit is available from your John Deere distributor.



## Attachments

- Use approved attachments only.
- Traction is reduced without an attachment installed. Operate only on level ground and slowly without an attachment.

## Check Wheel Hardware

- A serious accident could occur causing serious injury if wheel hardware is not tight.
- Check wheel hardware tightness often during the first 100 hours of operation.

## Adjusting Vehicle Seats

1. Sit on the operator or passenger seat.
2. Pull and hold lever (A) to the left.  
**Picture Note: Operator seat shown.**
3. Slide seat forward or rearward to desired position.
4. Release lever.



# OPERATING

## Using Seat Belts



**CAUTION:** Avoid injury from an accident, such as an overturn. Use a seat belt when operating a vehicle with a Roll-Over Protective Structure (ROPS).

To **CONNECT** the seat belt:

- With one continuous motion pull seat belt from retractor (A) and across hips and waist.

**NOTE:** If seat belt stops short of being able to insert into latch, allow belt to return into the retractor and pull again.

- Insert buckle into latch (B) on other side of seat. When properly inserted into the latch a “click” should be heard.

To **DISCONNECT** the seat belt:

- Press red button (C). Allow seat belt to return to retractor.



## Using Fuel Shut-Off Valve (Diesel Models)

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

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



# OPERATING

## Using the Park Brake

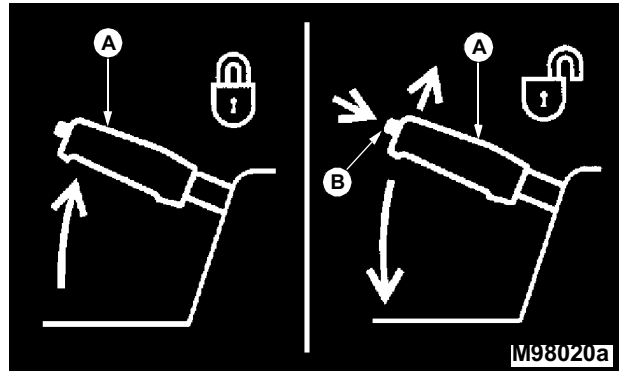
**CAUTION:** Avoid serious bodily injury due to loss of vehicle control. Always lock the park brake when the vehicle is left unattended.

To **LOCK** park brake:

- Pull up lever (A) and latch into position.

To **UNLOCK** park brake:

- Pull up on lever (A).
- Depress button (B).
- Push lever (A) down completely. Instrument panel indicator light must go out.



## Using the Differential Lock Lever

**CAUTION:** Avoid tipping the vehicle with the differential lock engaged. DO NOT attempt to turn the vehicle on slopes and hills. DO NOT operate the vehicle at high speeds.

The differential lock is used to provide better traction when the rear wheels of the vehicle start to slip. Engaging the differential lock lever will lock the left and right rear axles together and cause both rear wheels to turn at equal speeds for maximum traction.

**IMPORTANT:** To prevent damage to the transmission, DO NOT engage differential lock when the vehicle is traveling at high speeds.

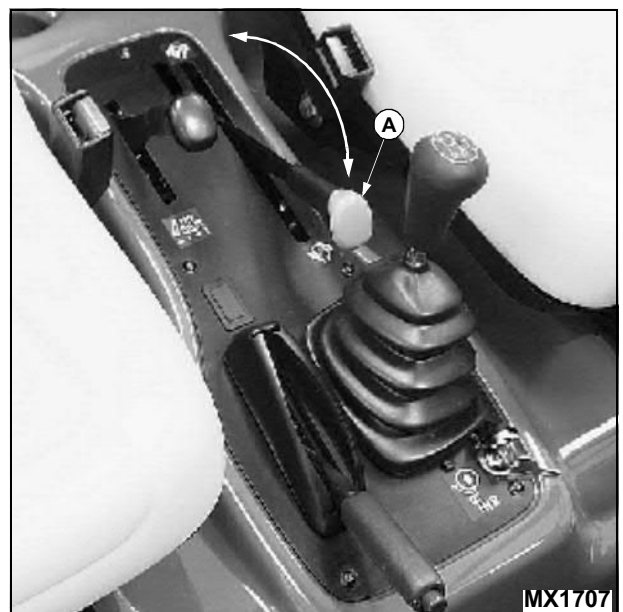
**NOTE:** Vehicle turning radius is increased when the differential lock is engaged.

To **ENGAGE** differential lock:

- Stop or slow vehicle down.
- Pull up and hold differential lock lever (A) in the raised position. Hold lever in the raised position as long as there is rear wheel slippage.

To **DISENGAGE** differential lock:

- Lower differential lock lever (A).



# OPERATING

## Using the Hydraulic PTO Control Lever

Perform this operational procedure with vehicles equipped with the auxiliary hydraulic kit. Engaging the hydraulic PTO lever will provide auxiliary hydraulics for attachments requiring the capability.

**IMPORTANT:** Avoid equipment damage. **DO NOT** operate PTO control lever without an auxiliary attachment connected. Hydraulic flow is blocked and pressure will bypass through relief port of hydraulic control valve causing excessive heat buildup and possible component failure.

Check the auxiliary hydraulic oil level before each use.

To **ENGAGE** the hydraulic PTO:

- Pull up lever (A) to the ON (☞) position.

To **DISENGAGE** the hydraulic PTO:

- Push lever (A) down to the OFF (☞) position.



## Using the Lift Cylinder Lever

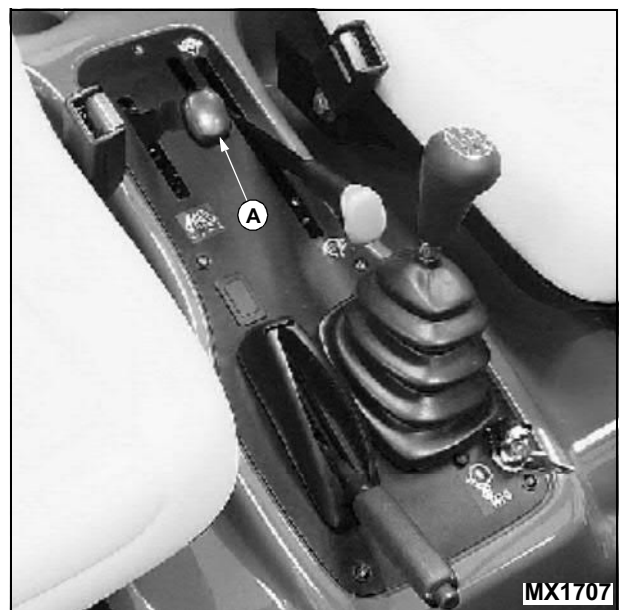


**CAUTION:** Avoid injury or death!

- Make sure the vehicle is on a hard, level surface and the park brake is locked before raising the cargo box. If the vehicle is facing uphill with the cargo box raised, the weight of the cargo box may cause the vehicle to tip.
- **DO NOT** perform a service function under a raised attachment without the lift cylinder safety support properly installed.
- Empty all material from the cargo box before servicing the vehicle.

To **RAISE** attachment:

1. Start engine.
2. Pull and hold back lever (A).
3. Release lever. Lever will return to the neutral position, and attachment will be held in position with the lift cylinder locked in place.



## OPERATING

---

### To LOWER attachment:

**NOTE:** *An attachment can be lowered and the lift cylinder will retract with the engine running or the engine stopped.*

1. Push and hold down lever until attachment is lowered or positioned as desired.
2. Release lever. Lever will return to the neutral position, and attachment will be held in position, with the lift cylinder locked in place.

**NOTE:** *When operating the vehicle with the auxiliary hydraulic PTO engaged, it is recommended that the lift cylinder lever be held down momentarily after the attachment has been lowered. This will firmly seat the load check for the lift cylinder spool which locks the lift cylinder in position.*

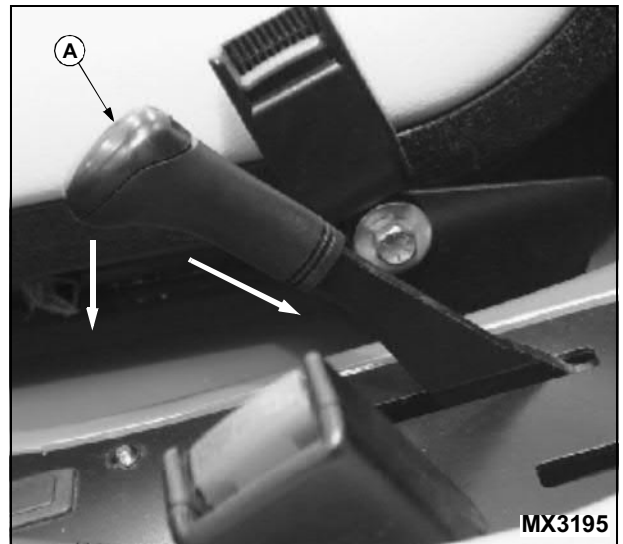
*When operating the vehicle with a cargo box attachment having the tailgate release kit installed, the lift cylinder lever must be held down momentarily after the box has been lowered. This will lock the tailgate and eliminate tailgate rattle.*

### To allow attachment to FLOAT:

**NOTE:** *Float position allows the lift cylinder to move freely for use with some ground following attachments.*

*Placing the lift cylinder lever in the float position will cause a raised attachment to be lowered by gravity until completely down. For best control of raised loads, it is recommended that float position NOT be used to lower attachments.*

1. Push lever (A) in, then down for float position.
2. Pull up lever to release float position.
3. Release lever. Lever will return to the neutral position, and attachment will be held in position, with the lift cylinder locked in place.





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# OPERATING

## Using the 5th Gear Lockout



**CAUTION:** Avoid severe bodily injury due to loss of control, load shifting and/or tipping. Do not operate at higher speeds when hauling loads, when operating around obstacles, when turning and when operating on any hazardous off-road conditions.

This vehicle is equipped with a keyed lock (A) for 5th gear lockout. Preventing the use of 5th gear while limiting vehicle ground speed may be advisable in certain operating conditions.

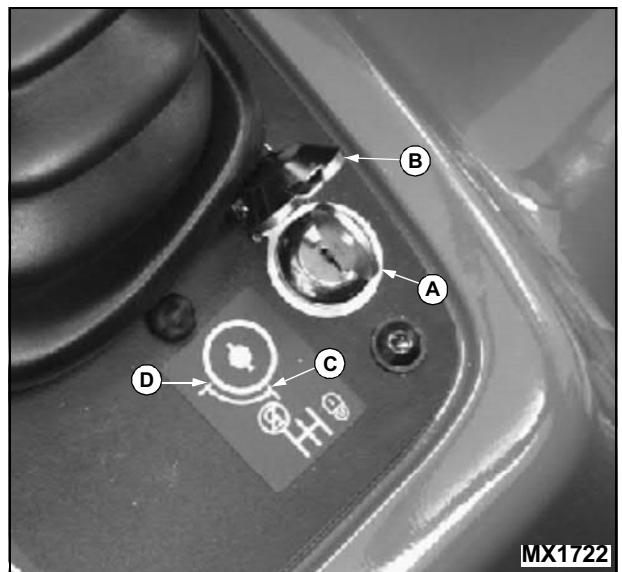
To **LOCKOUT** 5th gear:

**Picture Note:** Key position shown with 5th gear locked out.

**NOTE:** Lock will not operate if vehicle transmission is already in 5th gear.

1. Move gear shift lever to any position except 5th gear.
2. Raise switch cover (B).
3. Install key into key switch.
4. Turn key to position (C).

**IMPORTANT:** DO NOT operate the vehicle with the key left in the lock. The switch cover must be allowed to close to prevent water, sand and other contaminants from entering the lock.



5. Remove key.

To **UNLOCK** 5th gear:

1. Move gear shift lever to any position.
2. Raise switch cover (B).
3. Install key into key switch.
4. Turn key to position (D).
5. Remove key.

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