

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

---

**GATOR™ Utility Vehicle**  
**TX Turf**

SN (010001- )

OMM158210 A8

**OPERATOR'S MANUAL**



**JOHN DEERE**

Export 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 your authorized dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. 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 (-----), the item referred to is hidden from view.

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

## Machine Use

This machine is designed solely for use in customary utility operations, park and amenity area maintenance, for appropriate agricultural and forestry operations, and for winter work. Use in any other way is considered as contrary to the intended use.

The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to

the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

This machine should be operated, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times.

Setting fuel delivery beyond published factory specifications or otherwise overpowering will result in loss of warranty protection for this machine.

Any arbitrary modifications carried out on this machine will relieve the manufacturer of all liability for any resulting damage or injury.

## 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

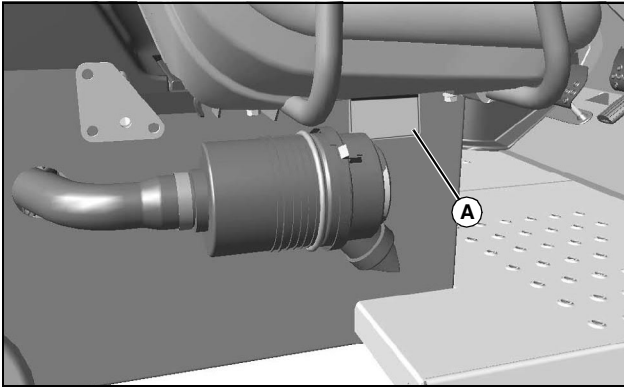
---

## Record Identification Numbers

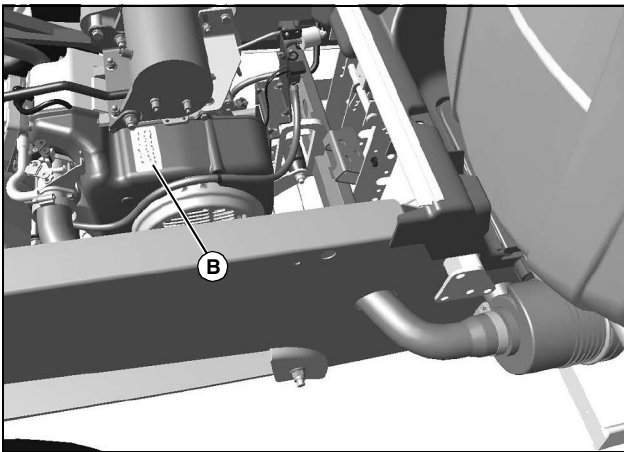
### TX Turf - PIN (010001- )

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

You will need to locate the identification numbers for the product. Record the information in the spaces provided below.



MX33447



MX33960

DATE OF PURCHASE:

\_\_\_\_\_

DEALER NAME:

\_\_\_\_\_

DEALER PHONE:

\_\_\_\_\_

PRODUCT IDENTIFICATION NUMBER (A):

-----

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 Labels .....	1
Safety .....	3
Operating Controls .....	8
Operating .....	9
Replacement Parts .....	22
Service Intervals .....	23
Service Lubrication .....	24
Service Engine .....	25
Service Transmission .....	32
Service Steering & Brakes .....	35
Service Electrical .....	37
Service Miscellaneous .....	41
Troubleshooting .....	44
Storage .....	47
Specifications .....	49
Declaration of Conformity .....	52
Index .....	53

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© 2008  
Deere & Co.  
John Deere Worldwide Commercial and  
Consumer Equipment Division  
All rights reserved  
Previous Editions  
COPYRIGHT© 2007

OMM158210 A8 - English

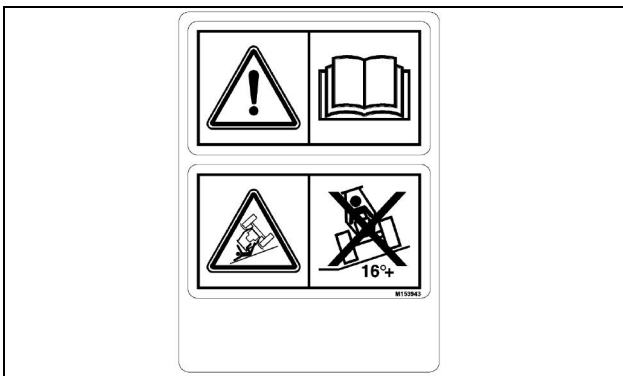
# SAFETY LABELS



## Pictorial Safety Signs

At several important places on this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown in this Safety section.

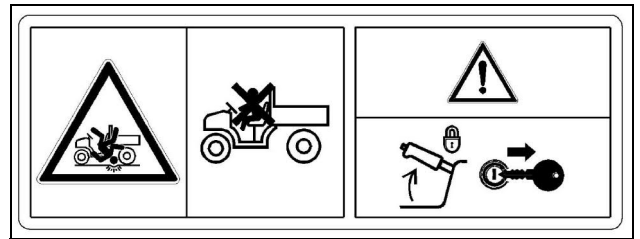
## WARNING - ROLLOVER OR FALLING OFF MAY CAUSE DEATH



M153943

- Read operator's manual.
- Drive very slowly when turning.
- Always use brake when going down a slope. Vehicle can take-off (freewheel) downhill.
- No loads heavier than:
  - 500 lbs (227 kg) in TS
  - 600 lbs (272 kg) in TX, TX TURF
  - 1000 lbs (544 kg) in TH 6x4
- Spread load evenly. Tie loads down.
- Reduce speed and load on rough or hilly ground.

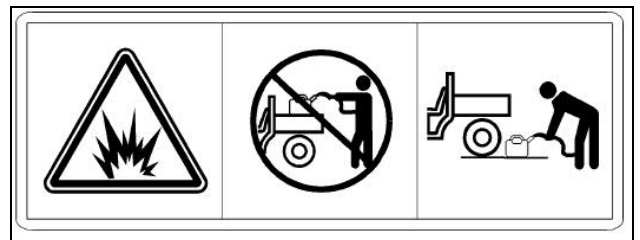
## WARNING: YOUNG DRIVERS INCREASE CHANCE OF DEATH



M153941

- Young drivers may not be able to control vehicle.
- No drivers younger than 16 years old.
- Before Leaving Vehicle:
  - Stop engine.
  - Set park brake.
  - Remove key.

## WARNING: AVOID INJURY FROM EXPLOSION



M151630

- Do not place gas container inside cargo box bed when filling.
- Place gas container on ground when filling.

## WARNING: RIDERS CAN FALL OFF AND BE KILLED



M120055

# SAFETY LABELS

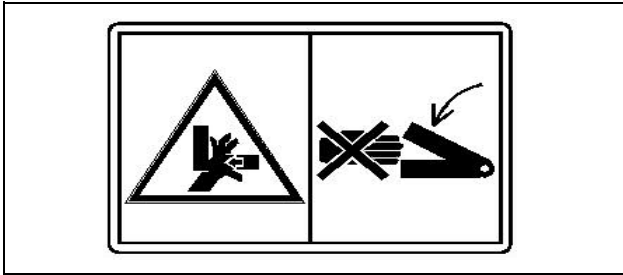
## RIDERS CAN FALL OFF AND BE KILLED

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

## ROLLOVER OR FALLING OFF MAY CAUSE DEATH

- Read operator's manual.
- Drive very slowly when turning.
- Always use brakes going down a slope. Vehicle can take-off (freewheel) downhill.
- Reduce speed and load on rough or hilly ground.

## CAUTION: HELP PREVENT INJURY WHEN DUMPING LOADS

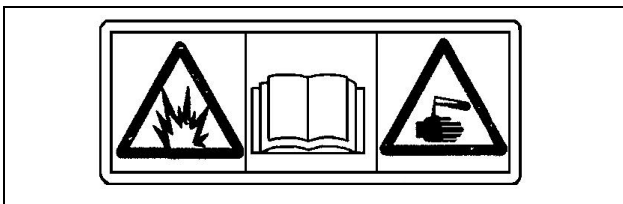


M120057

## HELP PREVENT INJURY WHEN DUMPING LOADS

- Operate dump with machine stationary and parking brake locked: Never dump while moving.
- Operate dump on level ground only.
- Do not place hands behind seat when lowering box.
- Refer to Operator's Manual for correct load distribution.

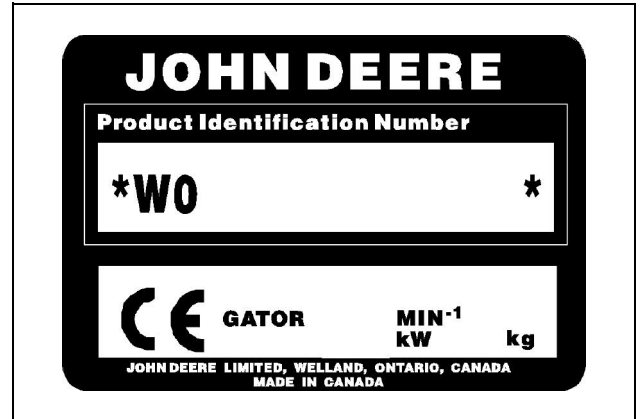
## Avoid Injury From Battery Gases and Acids



M133159

- Batteries contain explosive gases and sulfuric acid. Use extreme caution when handling battery.
- Read operator's manual for all safety information before handling battery.
- Use extreme caution when handling battery.

## CE Label



celabel3

This label is part of the utility vehicle identification plate on your utility vehicle. It indicates that your vehicle model has been certified and is in compliance with European Directive 89/392/EEC Standards.

# SAFETY

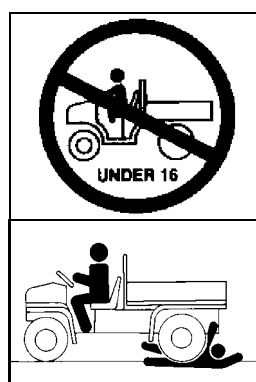
---

## Operating Safely

- Read, understand and follow all instructions in the operator's manual and on the machine before starting.
- Do not misuse the utility vehicle. It is a utility vehicle, not a recreation vehicle.
- The utility vehicle is not intended for use on highways or public roads. It is to be used for off-road use only.
- Slow down and be careful of traffic when operating near or crossing roadways. Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- The operator should always make sure that the passenger is aware of correct safety procedures while riding in the utility vehicle.
- The passenger should always use the hand holds.
- Horseplay or recreational riding can lead to accidents, severe bodily injury or death.
- 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 in engine compartment, especially around brake linkage 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 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 cargo box is fully 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.
- Do not leave vehicle unattended when it is running.
- Operate during daylight or with good artificial light and if you drive at night, use the lights.
- Do not operate vehicle if under the influence of alcohol or other drugs.
- Avoid sudden starts, stops, or turns.
- Always use a level turn-around area.
- Do not wear radio or music headphones. Safe service and operation require your full attention.

## Parking Safely

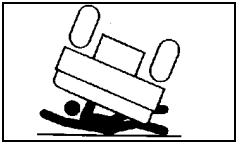
1. Stop vehicle on a level surface, not on a slope.
2. Lock park brake.
3. Stop engine.
4. Remove key.
5. Before you leave the operator's seat, wait for engine and all moving parts to stop.
6. Disconnect the negative battery cable or remove the spark plug wire (for gasoline engines) before servicing the machine.



## Protect Children and Prevent Accidents

- This utility vehicle should not be operated by anyone under the age of 16 years.
- Young drivers may not be physically able to control the machine or may not be mature enough to make safe driving decisions.
- Do not allow children to ride as a passenger in this vehicle. Children may not be able to sit safely in the passenger seat and use handholds properly.
- Passengers should always use the handholds while the vehicle is moving.
- The three-point seat belt installed on utility vehicles with an operator protective device is not designed to restrain a child.
- Never carry passengers, especially children, in the cargo box area. Do not tow children in a cart or trailer.
- Never assume that children will remain where you last saw them. Stay alert to the presence of children.
- Before backing or turning, look behind and around the utility vehicle for children.
- Be alert at all times, drive forward and in reverse carefully. People, especially children, can move quickly into an area of operation.
- Use extra care when coming to blind corners, shrubs, trees, or other objects that may block vision.
- Misuse and recreational riding can lead to accidents, severe bodily injury or death.

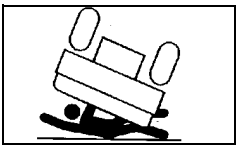
# SAFETY



## Avoid Excessive Speeds

- Always travel at a speed that is safe and proper for the terrain, visibility and operating conditions, and your experience operating the machine.

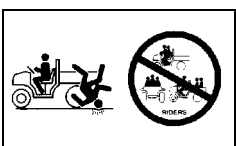
- Use caution when operating the machine in reverse. Use a slow speed and do not make sharp turns. Always look behind before backing.
- Never travel at excessive speeds on slopes, either going up or down. Use a slow speed and do not make sharp turns. Become experienced driving the machine on small slopes before driving on larger hills.



## 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 the utility vehicle. The utility vehicle is not designed for recreational riding.
- 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.
- Do not stop or start suddenly when going uphill or downhill. Be especially cautious when changing direction on slopes.
- Stay alert for holes, rocks, and other hidden hazards in the terrain.
- Keep away from drop-offs, ditches, embankments, as well as ponds and other bodies of water. The machine could suddenly roll over if a wheel goes over the edge of a cliff or ditch or if the edge caves in.
- 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 the utility vehicle.



## Keep Riders Off Vehicle

- Seating is provided for operator and one adult passenger.

- Never allow riders in the cargo box or other areas where seats are not provided.
- 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 operator's 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.

## Transport Loads Safely

- Be sure load is evenly distributed in cargo box.
- Do not load above load guard.
- Securely anchor all loads in cargo box.
- Reduce cargo box load when operating on rough or hilly terrain.

## Towing Loads Safely With Utility Vehicle

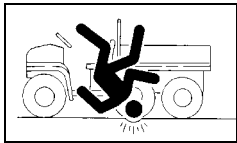
- To provide adequate braking ability and traction, weight of towed load (trailer plus cargo) must never exceed the vehicle payload (operator plus passenger plus cargo box load).
- Do not tow a load that exceeds the maximum allowable towing load for this vehicle, as specified in this operator's manual.
- Stopping distance increases with speed and weight of towed load. Travel slowly and allow extra time and distance to stop.
- Tow load at a speed slow enough to maintain control.
- Excessive towed load can cause loss of traction and loss of control on slopes. Reduce towed weight when operating on slopes.
- Never allow children or others in or on towed equipment.
- Use only approved hitches. Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the approved hitch point.
- Follow the manufacturer's recommendations for weight limits for towed equipment and towing on slopes.
- If you cannot back up a slope with a towed load, the slope is too steep to operate on with the towed load. Reduce the towed load or do not operate.
- Do not turn sharply. Use additional caution when turning or operating under adverse surface conditions. Use care when reversing.
- Do not shift to neutral and coast downhill.

# SAFETY

## Before Driving

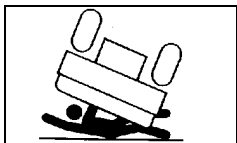
1. Clean foot platform if dirty, and remove any debris from around foot controls. Sit on the center of seat and keep both feet inside foot platform perimeter.
2. Inspect utility vehicle for signs of wear or damage.
3. All safety equipment must be in good condition and fastened in place:
  - Lights.
  - Shields.
  - Safety start devices.
4. Before moving, check around utility vehicle, be sure no one is near it.
5. Inspect mechanical condition of your vehicle before each use to minimize chance of injury or being stranded. Remember, you can ride farther in an hour than you can walk in a day.

Be sure to check condition of tires and wheels, wheel hardware torque, and maintain proper tire pressure.
6. Securely anchor all loads.



## Driving On Rough Terrain

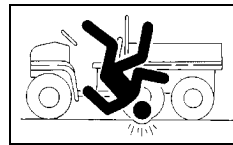
- Use existing trails. Avoid terrain such as dangerous slopes and impassable swamps. Watch carefully for bumps, holes, ruts, loose terrain, or other obstacles.
- Look ahead at terrain. Know what is coming and be prepared to react. Be alert for hazards.
- Keep front wheels straight at crest of hill or going over bumps.
- Reduce speed according to trail, terrain, and visibility conditions.
- The passenger should always use the hand holds.



## Climbing Or Descending A Hill

- Always use the brakes when going down slopes, the utility vehicle can speed up (freewheel) going down a slope. Engine or clutch braking effect is minimal.
- Balance loads evenly and secure them. Braking could shift the load and affect vehicle stability.
- Sit on center of seat and keep both feet within foot platform.

- Never drive past the limit of visibility. Slow down near crest of hill until getting a clear view of the other side. Never go over the top of any hill at a high speed. An obstacle, sharp drop, another vehicle or person, could be on the other side of the hill.
- Keep front wheels straight at crest of hill or going over bumps.
- Do not stop or start suddenly when going uphill or downhill. Be especially cautious when changing direction on slopes.
- If vehicle stops or loses power going up a hill, lock park brake to hold vehicle on slope. Maintain direction of travel and release brake slowly. Back straight down hill slowly while maintaining control. Do not turn vehicle sideways. Vehicle is more stable in a straight forward or rearward position.
- When descending a hill, remove foot from accelerator and apply brakes to reduce speed and maintain control.



## Driving Across Slopes

- Reduce speed and use caution on slopes and in sharp turns.
- Stay alert for holes, rocks and other hidden hazards in the terrain.
- When riding on soft terrain, turn front wheels slightly uphill to keep utility vehicle on a straight line across the hill.
- If utility vehicle begins to tip, turn front wheel downhill to gain control before proceeding.

## Riding Through Water

- Avoid water whenever possible. If drive belt becomes wet, slippage will occur and vehicle will lose power.
- Never cross any body of water where depth may be unknown to the operator. As an operational guideline, deep water is considered anything in excess of 152 mm (6 in.) in depth. Tires may float, making it difficult to maintain control.
- Choose a course within the waterway where both banks have a gradual incline. Cross at a point known to be safe.
- Proceed at a slow steady speed to avoid submerged obstacles and slippery rocks.
- Avoid water crossings where the operation of a utility vehicle may cause damage to waterway beds or erode waterway shoreline.
- Never operate this vehicle in fast-moving water.
- Wet brakes may reduce the stopping ability of the vehicle. If necessary, apply brakes several times to dry them out.

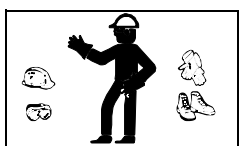
# SAFETY

---

after driving through water.

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



## Wear Appropriate Clothing

- Wear close fitting clothing and safety equipment appropriate for the job.
- Certain operating conditions may dictate that the operator and any passenger wear appropriate safety equipment while operating the vehicle. Be prepared for any existing and potential conditions before operating machine.
- Local safety or insurance regulations may require additional safety equipment such as eye protection or a hard hat.
- Always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.



## Practice Safe Maintenance

- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate, service, or adjust machine while it is moving. Keep safety devices in place and in working condition.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Disconnect battery or remove spark plug wire before making any repairs.
- Keep all nuts and bolts tightened.
- Securely support any machine elements that must be raised for service work. Lock service latches before working on machine with raised attachments.
- 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.

- To prevent fires, remove any buildup of grease, oil, or debris from the machine, especially the engine.
- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.
- Do not wear radio or music headphones while servicing the machine. Safe service requires your full attention.
- Disconnect battery ground cable (-) on the machine or remove attachment from machine before welding on the machine.

## Prevent Fires

- Remove grass and debris from engine compartment and muffler area, before and after operating machine.
- Always shut off fuel when storing or transporting machine, if the machine has a fuel shutoff.
- Do not store machine near an open flame or source of ignition, such as a water heater or furnace.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.

## Do Not Modify Machine

Do not make any unauthorized modifications to the machine in anyway.

Modifications can result in making the machine unstable, increasing the possibility of rollover causing severe bodily injury or death.



## Tire Safety

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

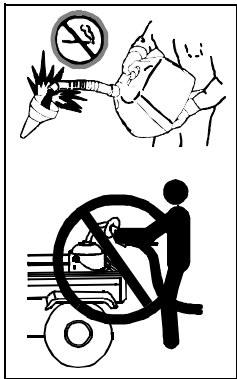
- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting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

---

# SAFETY

---

or missing lug bolts and nuts.



## Handling Fuel Safely

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

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved non-metal, portable fuel containers. If using a funnel, make sure it is plastic and has

no screen or filter.

- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.
- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol. Methanol is harmful to your health and to the environment.

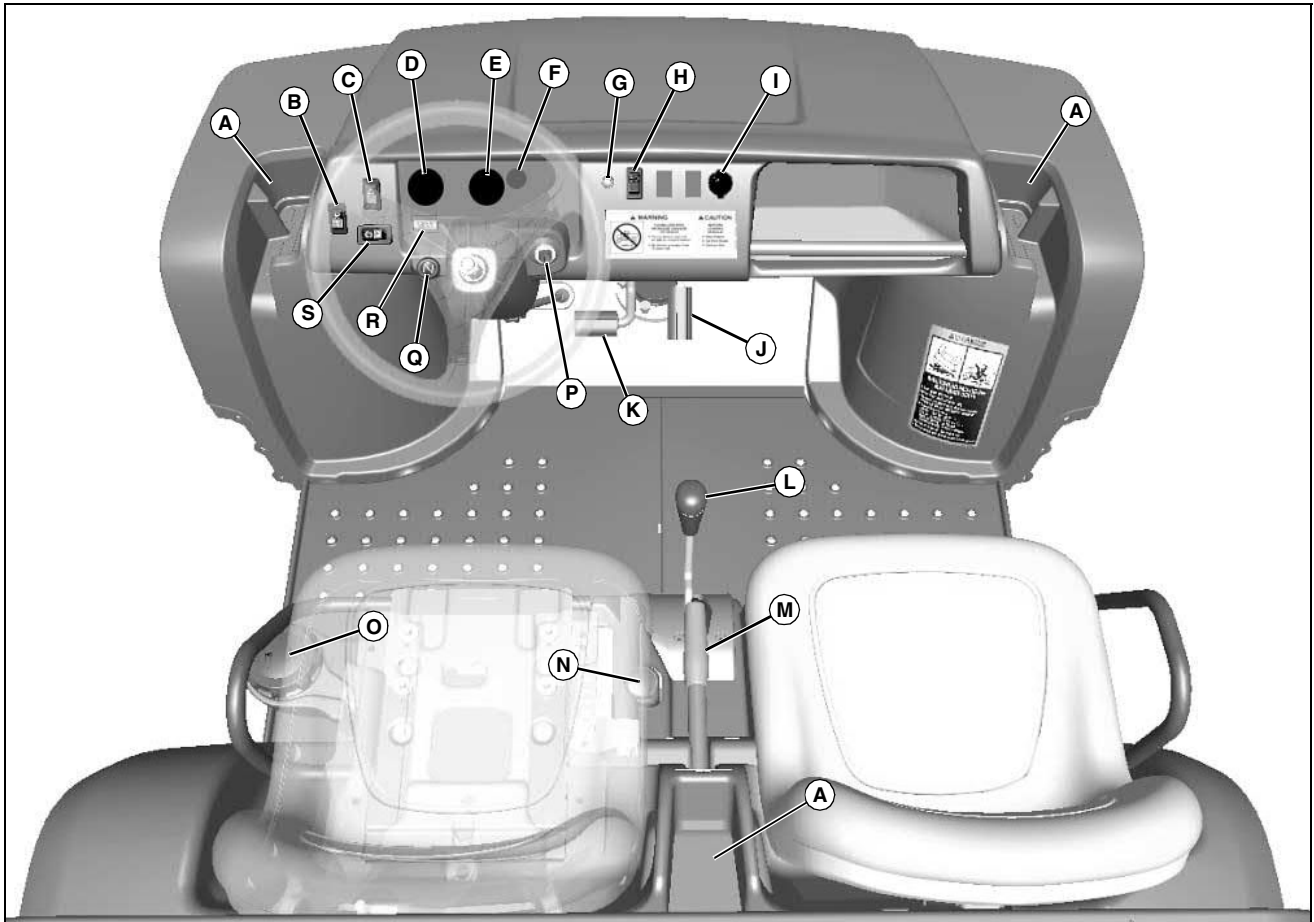
## Handling Waste Product and Chemicals

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

- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.

# OPERATING CONTROLS

## Operator Station Controls



MX40030b

Key	Description
-----	-------------

A	Storage Bin
B	Cargo Box Power Lift Switch (Optional)
C	Hazard Light Switch (Optional)
D	Voltmeter (Optional)
E	Speedometer (Optional)
F	Park Brake Indicator Light
G	Horn Switch (Optional)
H	Headlight Switch
I	12 VDC Accessory Outlet
J	Accelerator Pedal

Key	Description
-----	-------------

K	Brake Pedal
L	Gear (Transaxle) Shift Lever
M	Park Brake Lever
N	Fuel Gauge
O	Fuel Tank Cap
P	Key Switch
Q	Choke Knob
R	Hourmeter
S	Turn Signal Switch (If Equipped)

# OPERATING

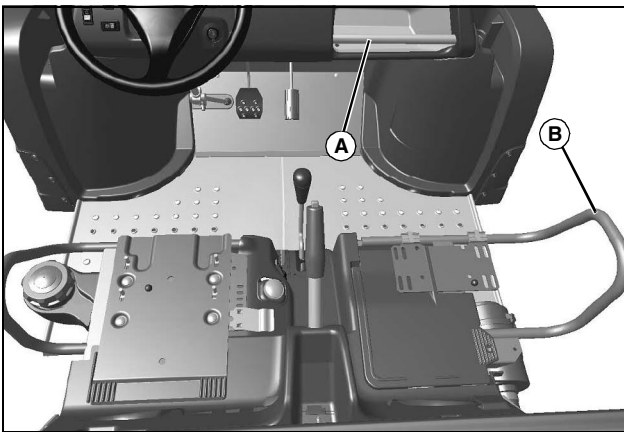
## Daily Operating Checklist

- Test safety systems.
- Check tire pressure.
- Check fuel level.
- Check engine oil level.
- Tighten loose hardware.
- Remove debris from engine compartment, especially around brake linkage on each side of the transaxle.
- Check to make sure air intake is clean.
- Check area below machine for leaks.
- Check brakes and park brake operation.

## Avoid Damage to Plastic and Painted Surfaces

- Do not wipe plastic parts unless rinsed first.
- 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.

## Using Hand Holds



MX33955a

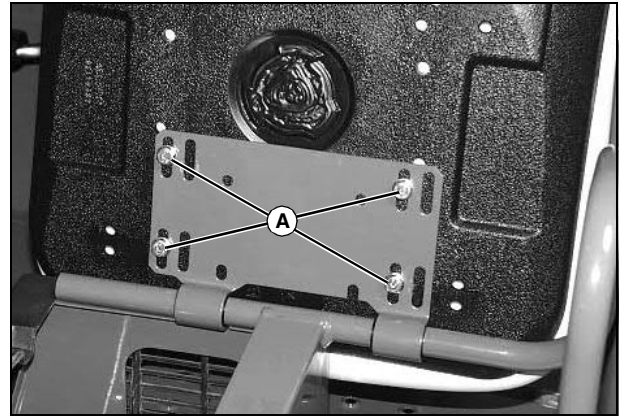
**Picture Note:** Seats removed for clarity.

Hand holds are provided for passenger balance. When a passenger is present, they shall use both of the hand holds at all times while the machine is moving: the dash bar (A), and the side rail (B) to the right of the seat.

## Adjusting Standard Seat

1. Tip seat forward.

**NOTE:** If seat is removed, install seat hardware in the correct slots in the bracket. Always use set of slots closest to center of vehicle when installing seat.



MX33430

**Picture Note:** Passenger seat shown.

2. Hold onto seat and loosen cap screws (A).
3. Slide seat forward or rearward for desired position.
4. Tighten seat cap screws to 10 N•m (7 lb-ft).

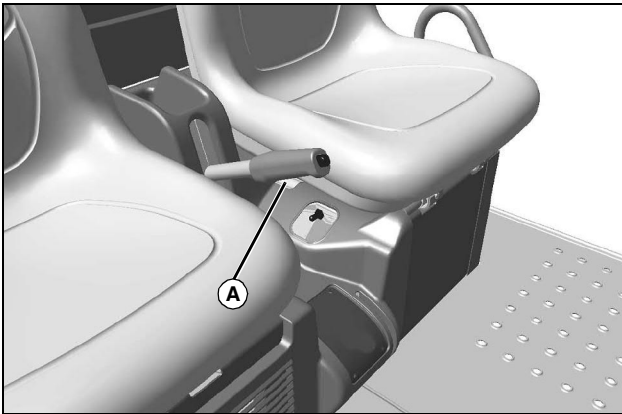
## Adjusting Driver Seat with Lever System (If Equipped)



**CAUTION:** Avoid injury! Never adjust seat while machine is moving. Stop machine before adjusting seat to prevent loss of machine control.

1. Stop machine and press the directional control switch into the neutral "N" position.
2. Lock park brake.

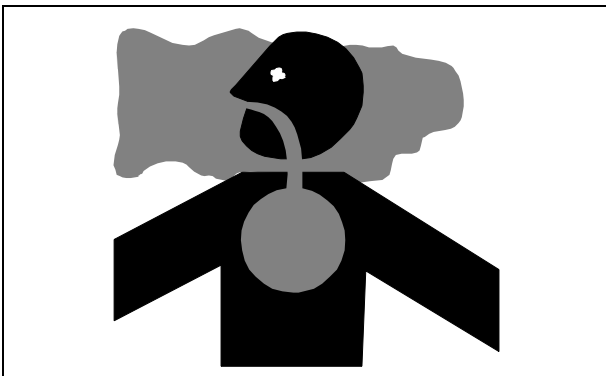
# OPERATING



MX35383

3. Pull up on lever (A), and slide seat forward or rearward until seat locks in place (for desired position).
4. Release lever.

## Testing Safety Systems



**CAUTION: Avoid injury! Engine exhaust fumes contain carbon monoxide and can cause serious illness or death.**

**Move the machine to an outside area before running the engine.**

**Do not run an engine in an enclosed area without adequate ventilation.**

- **Connect a pipe extension to the engine exhaust pipe to direct the exhaust fumes out of the area.**
- **Allow fresh outside air into the work area to clear the exhaust fumes out.**

The safety systems installed on your machine should be checked before each machine use. Be sure you have read the machine operator manual and are completely familiar with the operation of the machine before performing these

safety system checks.

Use the following checkout procedures to check for normal operation of machine.

If there is a malfunction during one of these procedures, do not operate machine. **See your authorized dealer for service.**

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

## Testing Engine Starting System

### First Test:

**CAUTION: Avoid injury! Pressing the accelerator pedal will start engine and cause vehicle to move immediately in the direction of the selected gear if there is a problem with the safety interlock circuit. Be prepared at all times during testing for the vehicle to start and move. Make sure no bystanders or obstacles are in path of vehicle.**

1. Sit on the operator's seat.
2. Unlock park brake.
3. Turn key switch to the STOP position.
4. Move transaxle shift lever to the forward or reverse position.
5. Press accelerator pedal.

### Result:

Engine must not start. If engine starts, there is a problem with the key switch circuit.

### Second Test:

1. Sit on the operator's seat.
2. Unlock park brake.
3. Turn key switch to the on position.
4. Move transaxle shift lever to the neutral position.
5. Press accelerator pedal.

### Result:

Engine must not start. If engine starts, there is a problem with the park brake circuit.

## Testing Backup Alarm

1. Sit on the operator's seat.

# OPERATING

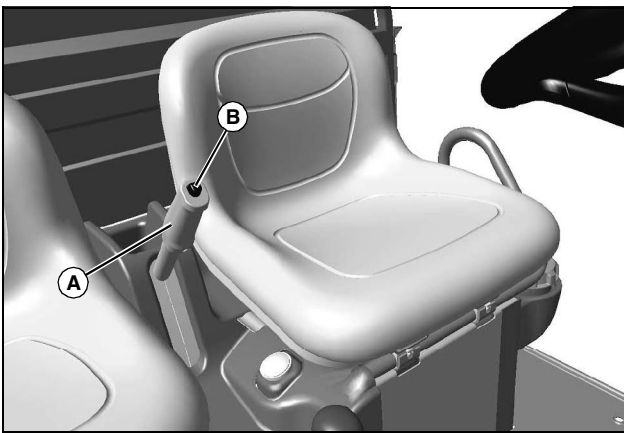
2. Lock park brake.
3. Turn key switch to the STOP position.
4. Move transaxle shift lever to the reverse position.

## Result:

Alarm must sound. If alarm does not sound or quits while vehicle is in reverse gear, there is a problem with the backup alarm circuit.

## Using Park Brake

### Locking the Park Brake:



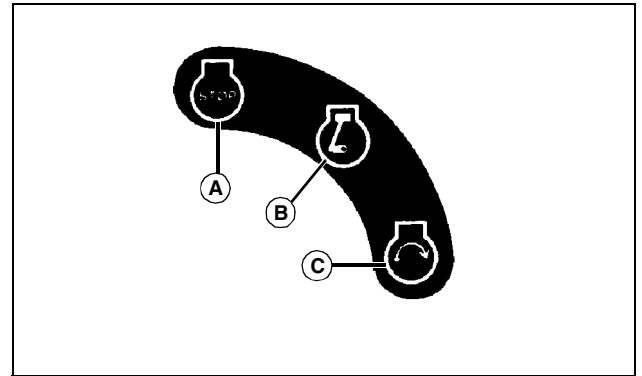
MX32935

1. Push down on brake pedal to hold machine in place.
2. Pull up on lever (A) and lock lever into position engaging park brake.

### Unlocking the Park Brake:

1. Push down on brake pedal to hold machine in place.
2. Pull up on lever (A).
3. Depress button (B).
4. Release lever down completely.

## Using Key Switch



W00927

A - STOP Position - With key in STOP position, all switched power is off, and engine should not run.

B - On Position - Turn key from STOP to this position and all switched power circuits will be energized, and machine is ready for use.

C - Start Position - Used only for starting machine in neutral.

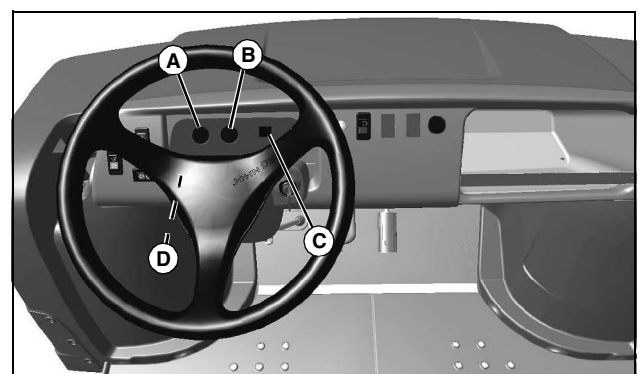
## Using Headlights

**NOTE:** Headlights will remain on when the key is in the off position. Using headlights for extended periods of time without the engine running will discharge the battery.

Key must be in the run position to operate the lights.

- Press at top of light switch (A) to turn headlights on.
- Press at bottom of light switch (A) to turn headlights off.

## Using and Checking Instrument Panel



MX32933

A - Voltmeter (If Equipped) - This gauge indicates system voltage. Indicator should be near center position while engine is running. If indicator is in either low or high (red)

# OPERATING

positions, stop engine and go through diagnostic procedures to repair problem.

**B - Speedometer (If Equipped)** - The speedometer indicates machine speed in Km/hr (mph).

**C - Park Brake Light** - This light will turn on when the key switch is in the on position, engine is running, and park brake lever is locked.

**D - Hour Meter** - The hour meter operates and displays when the engine is running. The hour meter shows the accumulated number of hours the engine has run. The hour meter is intended to provide a means of monitoring machine usage for maintenance purposes. Use the hour meter to determine when your machine has reached the recommended service intervals.

## Using Accessory Outlet



**CAUTION: Avoid injury! Safe operation requires your full attention. Do not wear radio or music headphones while operating machine.**

**NOTE: Accessory must be rated at 10 amps or less.**

**The accessory plug does not turn off with the key switch. Items connected to the accessory plug will continue to draw power, discharging the battery.**

- Remove 12-volt outlet cover and install accessory cord in outlet.
- Install cover in outlet after use.

## Using Turn Signal Switch (If Equipped)

**NOTE: Turn signals will continue to flash when the ignition switch/key is in the STOP position, discharging the battery.**

- Press at left end of turn signal switch to signal a left turn.
- Press at right end of turn signal switch to signal a right turn.
- Press at opposite end of turn signal switch until switch is centered to turn signal light off.

## Using Hazard Lights (If Equipped)

**NOTE: Hazard lights will continue to flash when the ignition switch/key is in the STOP position, discharging the battery.**

- Press at top of hazard light switch to turn hazard lights on.

- Press at bottom of hazard light switch to turn hazard lights off.

## Starting the Engine



**CAUTION: Avoid injury! Engine exhaust fumes contain carbon monoxide and can cause serious illness or death.**

**Move the machine to an outside area before running the engine.**

**Do not run an engine in an enclosed area without adequate ventilation.**

- **Connect a pipe extension to the engine exhaust pipe to direct the exhaust fumes out of the area.**

- **Allow fresh outside air into the work area to clear the exhaust fumes out.**

1. Sit on operator seat.
2. Push down on accelerator pedal to check free movement of pedal assembly. Release pedal.
3. Press brake pedal.
4. Unlock park brake.
5. Turn key to on position.
6. Move transaxle shift lever to either the forward or reverse position, as desired.

# OPERATING



**CAUTION: Avoid injury!** Do not start engine by shorting across starter terminals. Bypassing normal circuitry will allow vehicle to start in gear.

Never start engine while standing on ground. Start engine only from operator's seat.

**IMPORTANT: Avoid damage!** Open the choke by pushing the knob in to its full off position as soon as possible. Running the engine with the choke on beyond the warm up period may lead to plug fouling.

*NOTE: The choke is designed with a snap and seal option and can be utilized for maximum weather protection such as pressure washing or inclement weather. Under normal use this feature does not necessarily need to be used. Push in fully to snap and seal the knob. Pull out to unseal the knob for normal operation.*



MX40028

7. Pull the choke knob (A) out fully if engine is cold.
8. Push choke in as needed to obtain a stable engine idle and push knob all the way in once the engine is running smoothly.



**CAUTION: Avoid injury!** Pressing the accelerator pedal will start engine and cause vehicle to move immediately in the direction of the selected gear. Make sure no bystanders or obstacles are in path of vehicle.

**IMPORTANT: Avoid damage!** Starter may be damaged if starter is operated for more than 20 seconds at a time:

- Wait two minutes before trying again if engine does not start.

9. Look in the direction the vehicle will travel, and press

down slowly on accelerator pedal to start engine and put machine into motion.

**NOTE: When accelerator pedal is released and machine motion comes to a complete stop, engine will stop.**

10. If engine does not start, turn key to the STOP position. Wait for starter to cool before attempting to start engine again. In very cold conditions, make only three attempts to start engine before allowing the starter to cool for five minutes.

## Stopping Engine



**CAUTION: Avoid injury!** Children or bystanders may attempt to move or operate an unattended machine.

Always lock the park brake and remove the key before leaving the machine unattended.

**NOTE: When accelerator pedal is released and machine motion comes to a complete stop, engine will stop.**

1. Release accelerator pedal and apply brake pedal to stop machine.
2. Turn key switch to STOP position.
3. Lock park brake.
4. Remove key.

## Running Engine in Neutral

1. Sit on the operator's seat.

**IMPORTANT: Avoid damage!** Engine will not run when shift lever is moved into the neutral position without park brake locked.

Running engine in neutral position may be necessary for some service or diagnostic procedures, or towing machine.

2. Lock park brake.
3. Turn key switch to the STOP position.
4. Move transaxle shift lever to the neutral position.
5. Turn key to start position.
6. Press down on accelerator pedal. Release key to the on position when engine starts. Engine should start and run until accelerator pedal is released, or park brake is unlocked.



**Suggest:**

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

**Please download this document**

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

**to download the complete manual.**

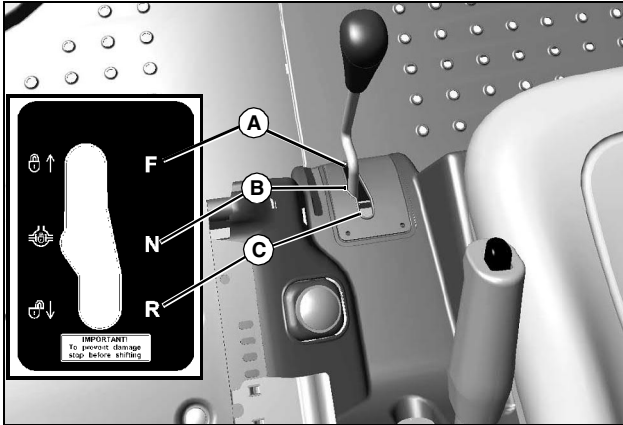
**Thank you so much for reading**

# OPERATING

## Using Travel Controls

1. Stop machine.

**IMPORTANT: Avoid damage! Transmission damage can occur. Do not shift gears when machine is moving. Stop machine motion and engage shift lever with a firm positive action.**



M151644, MX33957

2. Select a gear position:

- Forward - Push shift lever to right, then push to forward (A) gear.

**IMPORTANT: Avoid damage! Engine will not run when shift lever is moved into the neutral position without park brake locked.**

Running engine in neutral position may be necessary for some service or diagnostic procedures, or towing machine.

- Neutral - Push shift lever to right then to center (neutral) position (B).

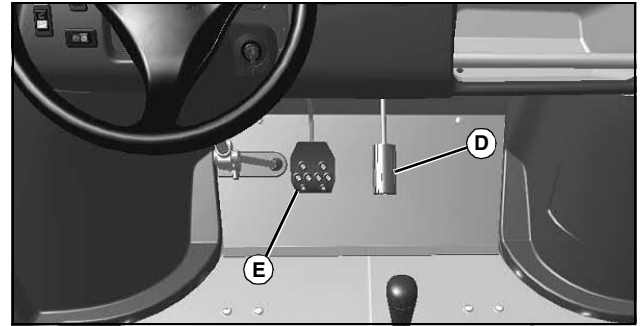
**NOTE: A reverse warning alarm will sound, warning operator vehicle will travel in reverse.**

- Reverse - Push shift lever to right, then pull rearward to reverse (C) gear.

3. Look in the direction the vehicle will travel.



**CAUTION: Avoid injury! Reduce speed before braking or turning, when hauling loads, and while operating around obstacles or on hazardous off-road conditions.**



MX33868

4. Push down accelerator pedal (D) slowly and smoothly to start machine and begin machine travel.

**NOTE: When accelerator pedal is released and machine motion comes to a complete stop, engine will stop.**

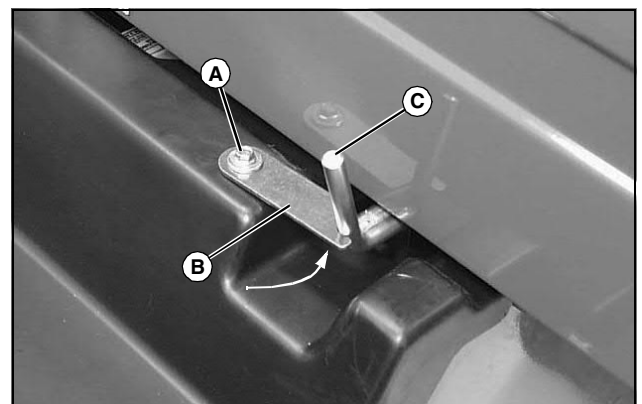
5. Release accelerator and apply brake pedal (E) evenly and firmly to slow down or stop.

## Engaging and Disengaging the Cargo Box Lock



**CAUTION: Avoid injury! Prevent unintentional movement of the cargo box. Make sure the vehicle is parked on hard, level surface and the park brake/emergency stop is locked before disengaging the cargo box lock.**

### Engage Cargo Box Lock



MX4243

1. Loosen bolt (A).

**<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>**