

JOHN DEERE
AG & TURF DIVISION

GATOR™ Utility Vehicle
XUV550 S4

OMM164573 E2

OPERATOR'S MANUAL



JOHN DEERE

Export Version
Printed 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 operations, and for winter work. Use in any other way is considered as contrary to the intended use.

This machine is not intended for use in forestry operations, unless equipped with a Falling Objects Protection Structure (FOPS). The operator station does not provide adequate

protection to the occupants in that environment unless equipped with a FOPS.

The cab available from the manufacturer is not designed to provide adequate protection from hazardous substances. The operator must wear appropriate personal protection equipment.

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

XUV550 S4

PIN (010001-)

CSN (010001-)

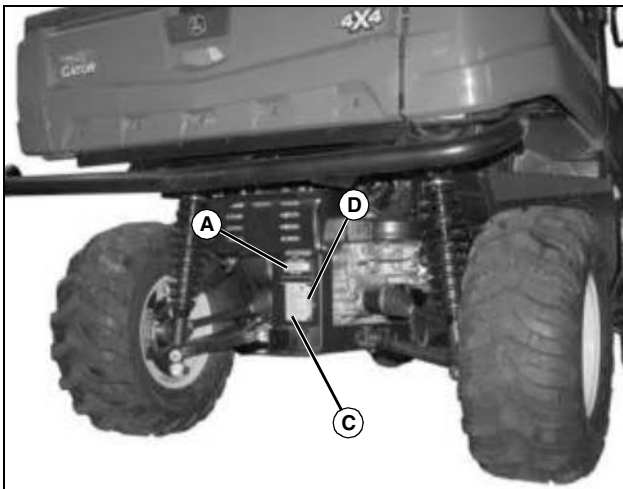
If you need to contact an Authorized Service Center for information on servicing, always provide the product model and identification numbers.

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

ENGINE SERIAL NUMBER (B):

VEHICLE EMISSION CONTROL INFORMATION (C):

CONFIGURATION SEQUENCE NUMBER (D):



MX49402



MX49403

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT IDENTIFICATION NUMBER (A):

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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>

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Original Instruction

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John Deere Ag & Turf Division

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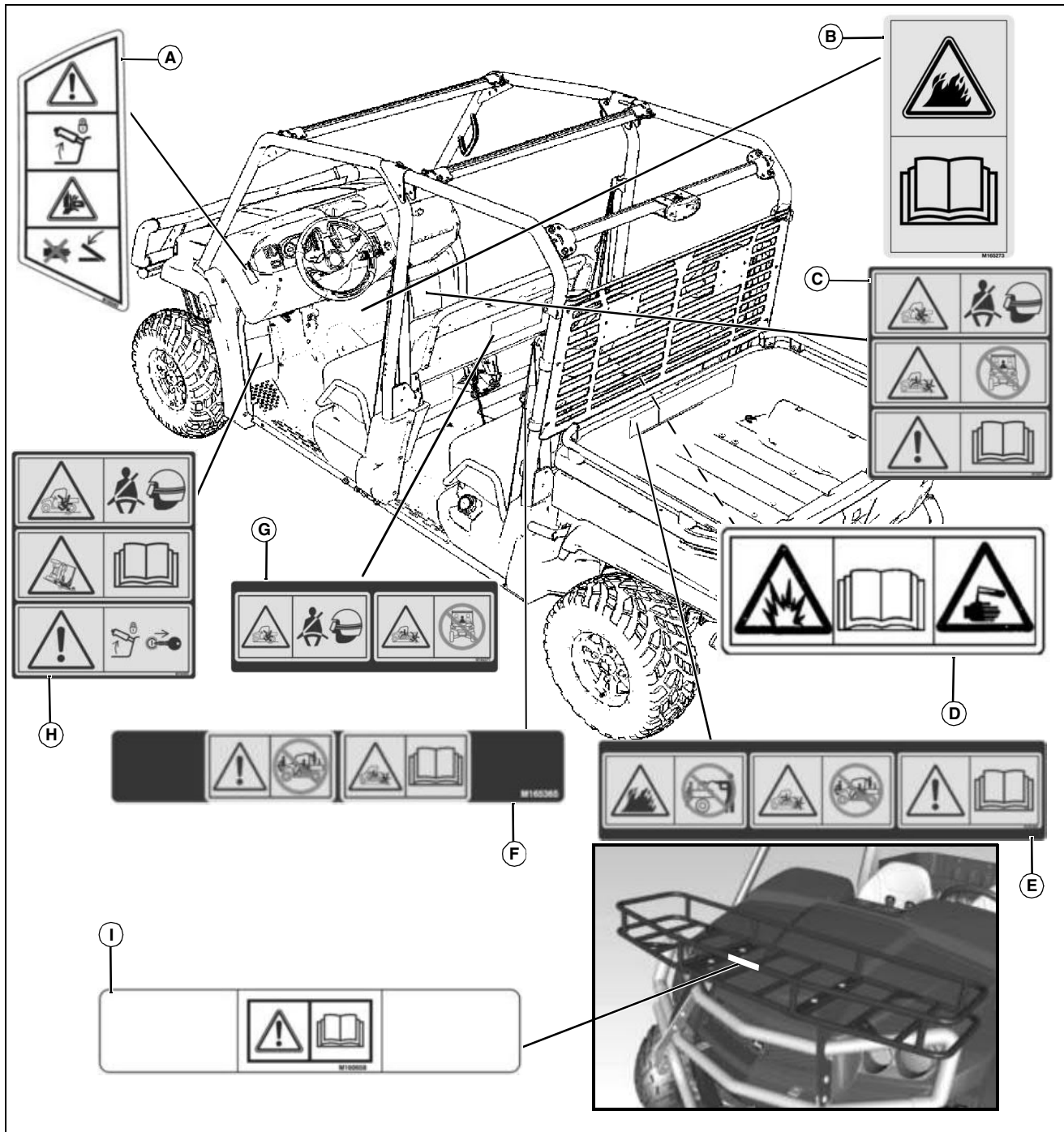
Previous Editions

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OMM164573 E2 - English

Safety Labels

Safety Label Location



MX49537

Picture Note: Use label number listed in table below to locate complete text of safety label message following this illustration.

A - CAUTION - M165565

B - PREVENT FIRES - M165273

C - WARNING - M165375

D - WARNING - M133159

E - WARNING - M165368

F - WARNING - M165365

G - WARNING - M165371

H - WARNING - M165362

I - CAUTION - M160658 (On Optional Front Rack)

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.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

Caution M165565



M165565

Help Prevent Injury When Dumping Loads

Lock park brake before dumping
Operate dump on level ground only
Keep hands away from cargo box

Warning M165362



M165362

Avoid Injury or Death from Rollover or Falling Off

Watch video and read operator's manual before use.

Use seat belts at all times.

Wear helmets when driving aggressively, on rough or uneven terrain, or at higher speeds.

Use caution on hills. Read and follow instructions in the Safety and Operating sections of the manual.

Before Leaving Vehicle:

Stop engine

Set park brake

Remove key

Warning M165368



M165368

Avoid Injury From Fire

Static electricity may ignite fuel vapors.

Safety Labels

Place fuel container on ground when filling.

Avoid Injury or Death from Falling Off

Only ride in seat with seat belt on.

Do not ride in cargo box or on cargo racks.

Avoid Rollover From Improper Loading

Follow loading and tire pressure recommendations in operator's manual. Refer to the Safety and Operating sections in the manual.

Warning M165375



M165375

Avoid Injury or Death from Rollover or Falling Off

Watch video and read operator's manual before use.

Use seat belts at all times.

Wear helmets when driving aggressively, on rough or uneven terrain, or at higher speeds.

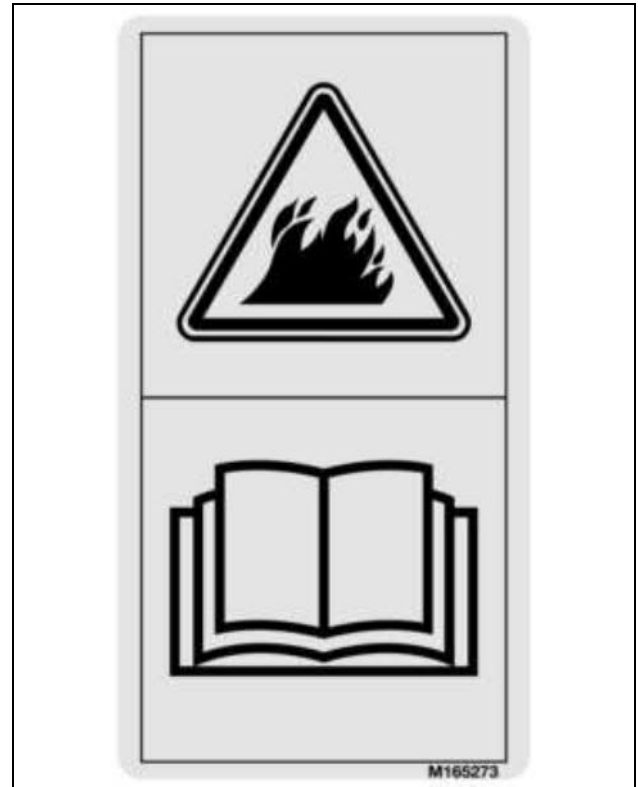
No more than one driver and one front passenger for two passenger vehicles. For models with rear seat, no more than two passengers in the rear seat.

Passenger must be able to grasp handholds with seat belt on and both feet on floor.

Keep arms and legs inside during use.

Read and follow instructions in the Safety and Operating sections of the manual.

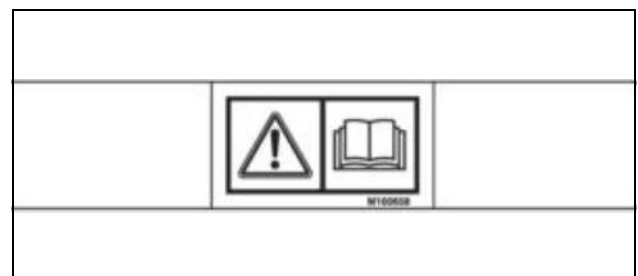
Prevent Equipment Fires



M165273

- Clean and inspect the entire machine.
- Carefully read Operator's Manual Machine Cleanout section for details.

CAUTION M160658



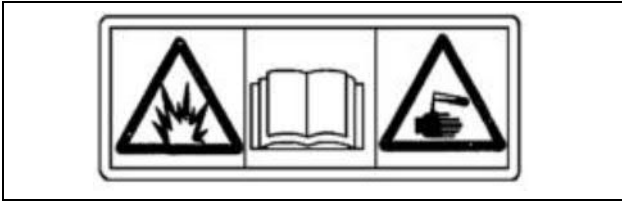
M160658

AVOID INJURY

- To avoid injury, never carry riders.
- Use for cargo only, do not obstruct driver's view.
- Secure all loads.

Safety Labels

WARNING M133159



M133159

Avoid Injury From Battery Gases and Acids

- 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.

Warning M165365



M165365

Avoid Injury or Death From Falling Off

Do not ride in cargo box or on cargo racks.
Cargo rack max weight: 200 lb (91 kg).

Warning M165371



M165371

Avoid Injury or Death from Rollover or Falling Off

Use seat belts at all times.

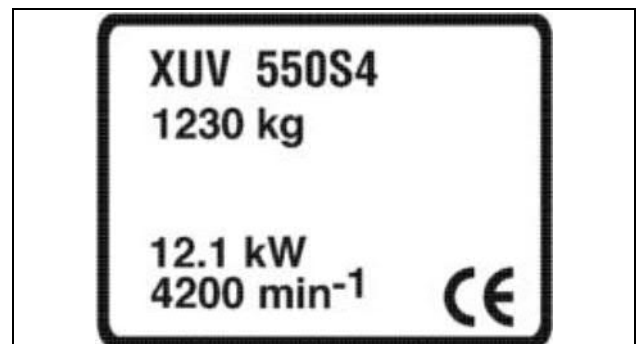
Wear helmets when driving aggressively, on rough or uneven terrain, or at higher speeds.

No more than two passengers in rear seat.

Passengers must be able to grasp handholds with seat belt on and both feet on floor.

Keep arms and legs inside during use.

CE Certification Label



M167327

This label indicates that your vehicle has been certified and is in compliance with European Directive 2006/42/EC Standards.

Safety

Supervisor Safety Responsibilities

- Make sure all operators of this machine are thoroughly trained and are familiar with the operator's manual and understand the machine warning labels.
- Be sure to establish any special safety procedures for existing work conditions and train operators in those procedures.
- Supervisors, operators and mechanics should be familiar with and practice the safety standards that apply to this machine.

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.

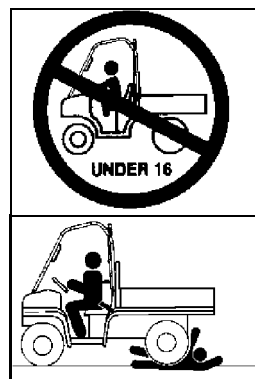
Using a Spark Arrestor

The engine in this machine is equipped with a spark arrestor muffler.

A replacement spark arrestor for your machine is available from your authorized dealer. An installed spark arrestor must be maintained in good working order by the operator.

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 wires (for gasoline engines) before servicing the machine.



Protect Children and Prevent Accidents

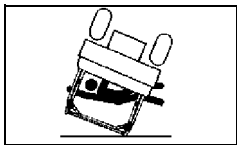
- This utility vehicle should not be operated by anyone under the age of 16 years.
- This utility vehicle should not be operated by anyone without a valid driver license.
- Young drivers may not be physically able to control the machine or may not be mature enough to make safe driving decisions.

- Do not allow children to ride as a passenger in this vehicle. Children may not be able to sit safely in the

Safety

passenger seat and use handholds properly.

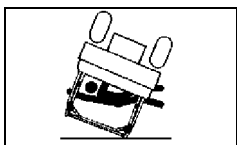
- Passenger should always use the handholds while the vehicle is moving.
- The seat belt installed on utility vehicles with an Occupant Protective Structure (OPS) is not designed to restrain a child.
- Never carry passengers, especially children, in the cargo box area. Do not tow children in a cart or 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.



Avoid Excessive Speeds

- Always wear a helmet when traveling at speeds greater than 56 km/h (35 mph).

- 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.



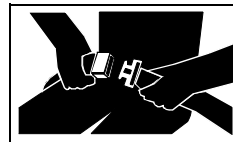
Avoid Tipping

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

and always wear a helmet when operating this vehicle in an aggressive manner or on uneven or rough terrain.

- 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 pedal and apply brakes to reduce speed and maintain control.
- Do not make unauthorized changes or modifications to the utility vehicle.



Use Seat Belt Properly

- Use a seat belt when you operate with an Occupant Protective Structure (OPS) to minimize chance of injury from an accident, such as an

overturn.

- Never modify, disassemble or attempt to repair the seat belt.
- Replace entire seat belt if mounting hardware, buckle, belt, or retractor show signs of damage.
- Inspect seat belt and mounting hardware at least once a year. Look for signs of loose hardware or belt damage, such as cuts, fraying, extreme or unusual wear, discoloration, or abrasion. Replace only with John Deere-approved replacement parts.
- Layers of heavy clothing can interfere with proper positioning of the seat belt and can reduce the effectiveness of the seat belt.

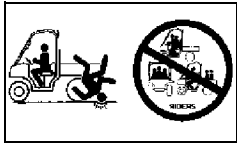
Keep Occupant Protective System (OPS) Installed Properly

- Never operate the machine without the OPS installed.
- Make certain all parts of the OPS are installed correctly if the OPS structure is loosened or removed for any reason. All OPS hardware should be tightened to the proper torque per manufacturer's recommendations.
- Any alteration of the OPS must be approved by the

Safety

manufacturer. The protection provided by the OPS will be impaired if the OPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting.

- Never attempt to repair a damaged or altered OPS. It must be replaced to maintain the manufacturer's certification of the structure.



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.

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.

Transport Loads Safely

- Be sure load is evenly distributed in cargo box.

- Do not load above height of cargo box.
- Securely anchor all loads in cargo box.
- Reduce cargo box load when operating on rough or hilly terrain.

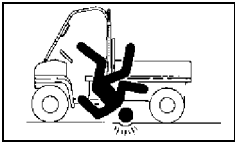
Using Front Attachments

- Remove front attachments such as drawbar hitches, hitch-mounted winches, or blades when operating on rough or uneven terrain. Front attachments may contact the ground when operating on rough or uneven terrain which may cause loss of control or rollover.

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.

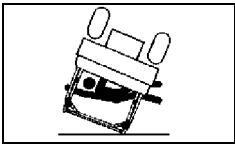
Safety



Driving On Rough Terrain

- Always wear a helmet when operating the vehicle on uneven or 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.

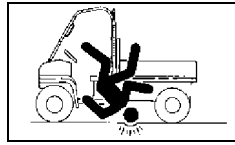


Climbing Or Descending A Hill

- 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 pedal 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.

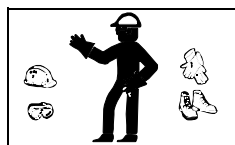
- When riding on soft terrain, turn front wheels slightly uphill to keep utility vehicle on a straight line across the hill.
- If utility vehicle begins to tip, turn front wheel downhill to gain control before proceeding.

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.
- Stopping ability of vehicles with external disk brakes may be affected after driving through water. If necessary, apply brakes several times to dry them out.

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

- Always wear an approved helmet when operating the vehicle in an aggressive manner, on rough or uneven terrain, or at higher speeds.

- Helmets should fit properly and be approved for

Safety

motorcycle use on standard roadways by the appropriate governing organizations for the region in which the vehicle is being used.

- 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(ies) or remove spark plug wires (for gasoline engines) 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(s) (-) on the machine or remove attachment from machine before welding on the machine.

Prevent Fires

- Machine fires and structure fires can occur if a machine is stored before allowing it to cool, if debris is not removed from critical areas of the machine, or if machine is stored near combustible materials.
- 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 any way.

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

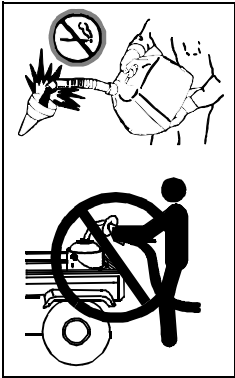


Tire Safety

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 or missing lug bolts and nuts.

Safety



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.

someone may drink from them.

- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.
- See your local Recycling Center or authorized dealer to learn how to put your machine out of service at the end of the machine's service life.

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 -

Assembly

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 wires (for gasoline engines) before servicing the machine.

Charge and Connect Battery



CAUTION: Avoid injury! The battery produces a flammable and explosive gas. The battery may explode:

- **Do not smoke or have open flame near battery.**
- **Wear eye protection and gloves.**
- **Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.**
- **Do not jump start or charge a frozen battery. Warm battery to 16°C (60°F).**

1. Disconnect all black negative (-) cables from battery.
2. Slide back red protective cover and disconnect all red positive (+) cables.
3. Charge the battery fully. Full charge is 12.6 volts.
4. Connect positive (+) battery cable to battery.
5. Connect negative (-) battery cable.
6. Apply general purpose grease or silicone spray to terminal to help prevent corrosion.
7. Slide red cover over positive battery cable.

Test Safety Start System



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 the operator's seat.
2. Turn ignition key switch to STOP position.
3. Lock park brake.
4. Move transaxle shift lever forward to the Low or High range position.
5. Turn ignition key switch to START position. Engine should not crank. Turn ignition key switch to STOP position.
6. Move transaxle shift lever to Reverse position.
7. Turn ignition key switch to START position. Engine should not crank. Turn ignition key switch to STOP position.
8. Move transaxle shift lever to N (Neutral) position.
9. Turn ignition key switch to START position. Engine should not crank. Turn ignition key switch to STOP position.
10. Move transaxle shift lever to N (Neutral) position.
11. Press and hold brake pedal.
12. Start engine, allow to run a few seconds, and stop engine.

Assembly

Check Tire Pressure



CAUTION: Avoid injury! Explosive separation of tire and rim parts is possible when they are serviced incorrectly:

- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Do not inflate the tires above the recommended pressure.
- Do not weld or heat a wheel and tire assembly. Heat can cause an increase in air pressure resulting in an explosion. Welding can structurally weaken or deform the wheel.
- Do not stand in front or over the tire assembly when inflating. Use a clip-on chuck and extension hose long enough to allow you to stand to one side.

1. Check tires for damage.
2. Check tire pressure with an accurate gauge.
3. Add or remove air, if necessary.

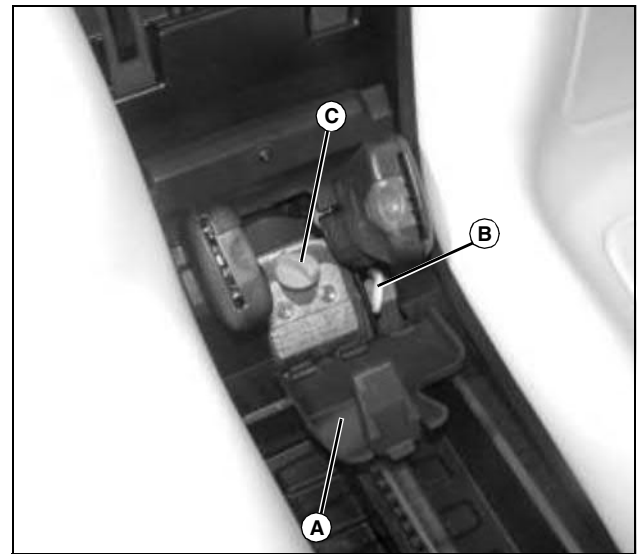
Tire Size	Pressure
Front: All Sizes	97 kPa (14 psi)
Rear: All Sizes	97 kPa (14 psi)*

NOTE: All tire load conditions are not to exceed Gross Vehicle Weight Rating (GVWR). See your Operator's Manual for specific maximum vehicle weight information.

*Inflation pressure for cargo box load condition of 0-182 kg (0-400 lbs). See operator's manual for higher cargo box capacity and load condition inflation pressure.

Check Engine Oil Level

1. Park the vehicle safely.



MX49451

2. Open access cover (A) between seats to gain access to oil fill cap.
3. Remove dipstick (B) and wipe it clean.
4. Install dipstick.
5. Remove dipstick.
6. Check oil level:
 - Oil level must be between fill marks on dipstick.
 - If oil level is low, remove cap (C) and add oil to bring oil level no higher than upper mark on dipstick. Install cap.
 - If oil level is above upper mark, drain to proper level. Determine cause of this condition and correct.
7. Install dipstick.
8. Lower the oil access cover between seats.

Check Transaxle Oil Level

IMPORTANT: Avoid damage! Hot hydraulic oil will expand and show incorrect oil level. Check oil level:

- When oil is cold.
- With engine not running.

1. Park the vehicle safely.
2. Raise and secure cargo box with latch support.



Suggest:

If the above button click is invalid.

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Thank you so much for reading

Assembly

IMPORTANT: Avoid damage! Dirt and debris in oil may cause damage to the transaxle. Clean area around opening before removing dipstick.



MX49454

3. Remove dipstick (A) located on the top of the transaxle housing. Wipe dipstick clean.
4. Check oil level by setting dipstick on threads in transaxle case, then removing and checking oil level.
5. Add oil as needed through the dipstick fill hole.
6. Install and tighten dipstick.
7. Lower the cargo box.

Check All Lights

Make sure all headlights, taillights, warning lights, and any optional work lights are functional.

Check Wheel Bolt Torque

1. Park the vehicle safely.
2. Tighten wheel bolts evenly in alternating sequence to:
 - Standard wheel assembly (steel) - 54 N•m (40 lb-ft)
 - Sport wheel assembly (alloy) - 142 N•m (105 lb-ft)

Burnish Brakes



CAUTION: Avoid injury! Test a machine under safe conditions. Perform this procedure in a clear open area. Keep bystanders away. Do not attempt any maneuvers that could jeopardize vehicle control. Failure to adhere to these precautions could lead to machine damage, serious personal injury, or death.

1. Park the vehicle safely.
2. Check tire pressure.
3. Check brake fluid level; add if necessary.
4. Start machine, and shift transmission into low range.
5. Disengage traction assist.
6. Disengage all-wheel drive.
7. On a straight, hard surface, hard surface, accelerate up to full throttle in low range, not to exceed 32 kph (20 mph).

IMPORTANT: Avoid damage! Use care to avoid overheating brakes while performing the next step. Do not allow brakes to lock.

8. Using moderate pressure, apply brakes to bring the machine to a complete stop.
9. Repeat steps seven and eight 20 more times.

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