



MASSIMO

T-BOSS 10000



OWNER'S MANUAL

⚠ WARNING



Operating this ATV if you are under the age of 16 increases your chance of severe injury or death.

NEVER operate this ATV if you are under age 16.

Not designed for use on race tracks or rental services. Use of vehicle in an unintended manner can result in injury, property or personal damages. Such activities are not covered by warranty. © Massimo Motor, LLC

MassimoMotor.com

⚠ WARNING



RISK of ROLLOVER even on flat terrain
ROLLOVERS could result in DEATH or SERIOUS INJURY

AVOID sudden sharp turns

AVOID steep inclines

AVOID riding across slopes

Dear customer:

Thank you for choosing Massimo UTV, our UTV is manufactured under strict quality control system. Separate documents supplied to the dealer provide information on Product Warranty and Emissions Warranty. Failure to follow instructions for emission parts replacement may violate U.S. Federal Law (40 CFR Parts 1051, 1065 and 1068) and be subject to fines and other penalties as described in the Clean Air Act. The use of non-Original Manufacturer approved parts may void the vehicle warranty.

Catastrophic damage to the drivetrain components due to excessive speed may result from driving the vehicle above specified speed. Damage caused by excessive speed may cause a loss of vehicle control, is costly, is considered abuse and will not be covered under the warranty. This warranty excludes:

1. Using unspecified engine oil.
2. Improper maintenance or repairs.
3. Using non-original or modified accessories and parts.
4. Operating lack of conformity to manual.
5. Normal wear and tear seat, spark plug, bulbs, wire filters, battery, brake, belt, chain, sprockets, tires...etc.

Before you operate your new UTV, Massimo recommends these important points:

Read your Owner's Manual

A child **under 16 years old** should not operate an UTV when engine size greater than 90 cc.

Take the training course before your operate UTV, ask your dealer for information.

NAME: _____

ADDRESS: _____

TELEPHONE: _____

PURCHASE DATE: _____

UTV MODEL: _____

FRAME NO. _____

ENGINE NUMBER: _____

KEY NUMBER: _____

INTRODUCTION

Read this manual carefully before operating this vehicle. This manual should stay with vehicle if it is sold.

This manual will provide you with a good basic understanding of the features and operation of this UTV. This manual includes important safety information. It provides information about special techniques and skills necessary to drive the UTV. It also includes basic maintenance and inspection procedures. If you have any questions regarding the operation or maintenance of your UTV, please consult a **Massimo** dealer.

AN IMPORTANT SAFETY MESSAGE:

Read this manual carefully and completely before operating your UTV. Make sure you understand all instructions.

Pay attention to the warning and notice labels on the UTV.

Never operate an UTV without proper training or instruction. For relative training course, please consult a **Massimo** dealer.

This UTV should not be ridden by anyone under 16 years of age.

IMPORTANCE MANNUAL INFORMATION

FAILURE TO FOLLOW THE WARNINGS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH.

Particularly important information is distinguished in this manual by the following notations:



This is safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING! Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION! Indicates special precautions that must be taken to avoid damage to the vehicle or other property.

NOTES Provides key information to make procedures easier or clearer.

* Product and specifications are subject to change without notice.

IMPORTANT NOTICE

This UTV is designed and manufactured for off-road. It is illegal and unsafe to operate this UTV on any public street, road or highway.

This UTV complies with all applicable off-road noise level and regulations in effect at the time of manufacture.

Please check your local riding laws and regulations before operating this UTV.

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SPECIFICATIONS

		1000 UST-U	
Overall Length		3122	[mm]
Overall Width		1625	[mm]
Overall Height		2065	[mm]
Wheel Base		2120	[mm]
Type		4-Stroke Engine, V-Twin	
Installation and arrangement		Vertical, below center, incline	
Fuel Used		87 Octane	
Cycle/Cooling		4-stroke/Water cooled	
Cylinder	Bore	Ø92	[mm]
	Stroke	75	[mm]
	Number/ Arrangement	Two Cylinder, V-type	
Displacement		997.1	[cc]
Compression Ratio		10.2:1	
Max. HP		62kw/ 7000rpm	[kw/rpm]
Max. Torque		89.8Nm /5500rpm	[Nm/rpm]
Ignition		ECU	
Starting System		Electrical starter	
Air filtration		Spoon	
Suspension System	Front	Double A-Arm	
	Rear	Double A-Arm	
Tire Specifications	Front	27X9-14 · 29X9-14	
	Rear	27X11-14 · 29X11-14	
Rim		Aluminum	
Brake System	Front	Disk (Ø 232)	[mm]
	Rear	Disk (Ø 220)	[mm]
Performance	Climb Ability	<25	°
	Max Speed	100	Km/h
Reduction	Primary Reduction	Belt	
	Secondary Reduction	Gear / Shaft	

	Transmission	C.V.T., auto speed change	
Fuel capacity		42	[l]
Lubrication System		Forced circulation & splashing	
Engine oil	Engine oil	SAE 10 W/ 40	
	Capacity	2.5	[l]
Gear lubrication	Spec.	SAE 75W/140	
	Transmission	750	[ml]
	Spec.	SAE 85W/90	
	Front Diff.	700	[ml]
	Rear Diff.	600	[ml]
Spark Plug		NGK DCPR8E	
Battery		12/32	V/AH
Lamps	Front Lamps (HI/LO)	T(19/18) 、 M(60/60) 、 A(25.9/16.8)	[W]
	Rear Lamps	T(4X2) 、 M(0.1X2) 、 A(0.1X2)	[W]
	Daytime Running lamp	15x2	[W]
	Brake Lamps	T(2.2X 2) 、 M(2.2X2) 、 A(1.72)	[W]
	Turn Lamps	T(4.3 x4) 、 M(3.5X4) 、 A(1.2X4)	[W]

IMPORTANT IDENTIFICATION NUMBERS

1. Frame Number:

Record chassis and engine number for future reference.

Number is located front right hand side of chassis as shown in (1)

2. Engine number is located front of the engine as shown in (2)

3. Emission Control Information Plate (3)

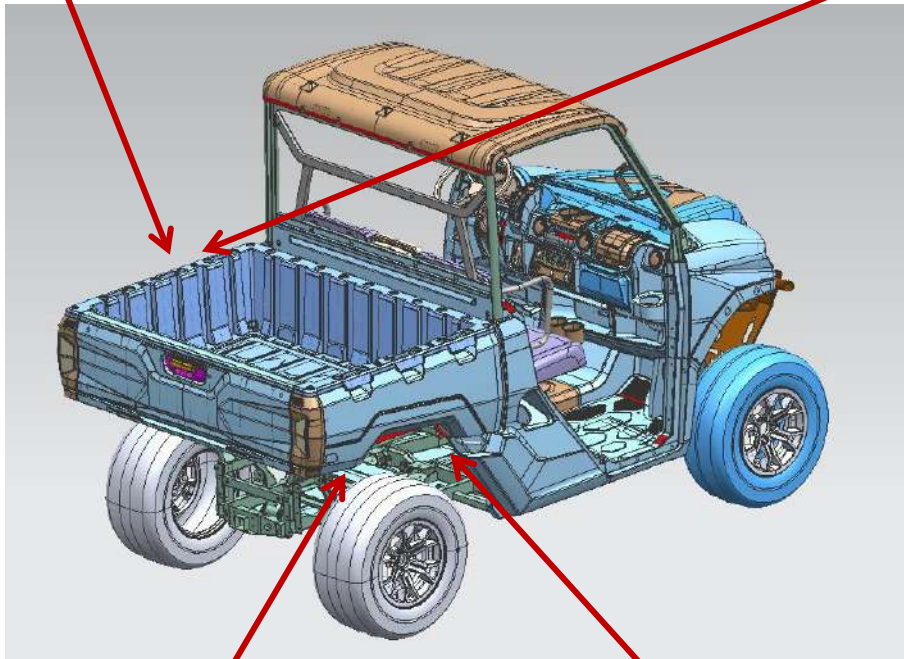
4. Manufacturer's date plate (4)

3

Vehicle Emissions Control Information	
MANUFACTURER: Taiwan Golden Bee Co.,LTD	
IMPORTER:	
<input type="radio"/> Engine Displacement: _____	Engine Family: _____ <input type="radio"/>
Permeation Family: Plastic Fuel Tank: _____	
This ATV / UTV meets EPA regulations for _____ model year new off-highway ATVs and is certified to EPA emission standards of _____ g/km HC + NOX and _____ g/km CO	
Engine Exhaust Control System: _____	
ENGINE TUNE UP SPECS	
Ignition Timing: _____ (NON ADJUSTABLE)	
This Vehicle is certified to operate on unleaded gasoline only.	
Minimum Unleaded Fuel Octane Rating: _____	
Date of Manufacture: _____ Made In TAIWAN	

4

MANUFACTURED BY : TAIWAN GOLDEN BEE CO. LTD.	
TYPE OF VEHICLE	DATE :
VIN/NIV :	
<input type="radio"/>	<input type="radio"/>
THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE.	

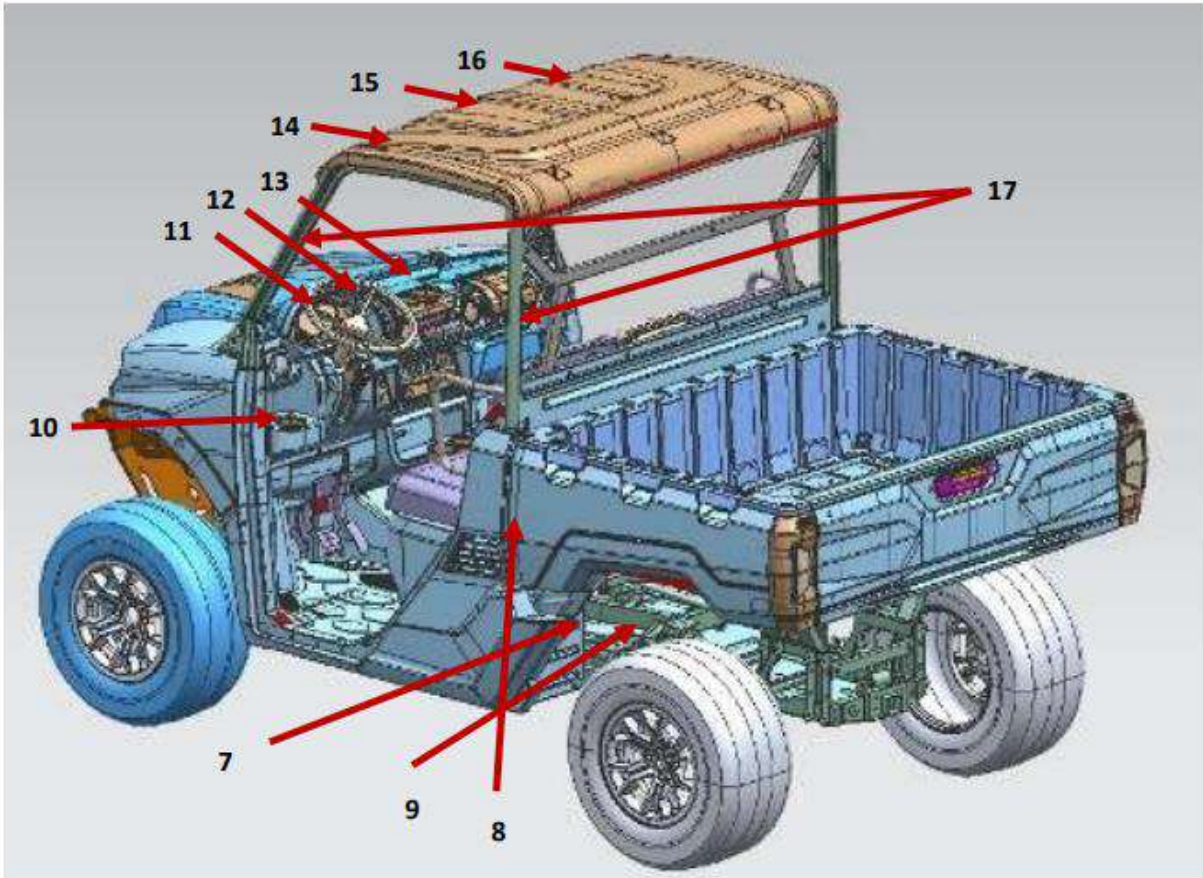
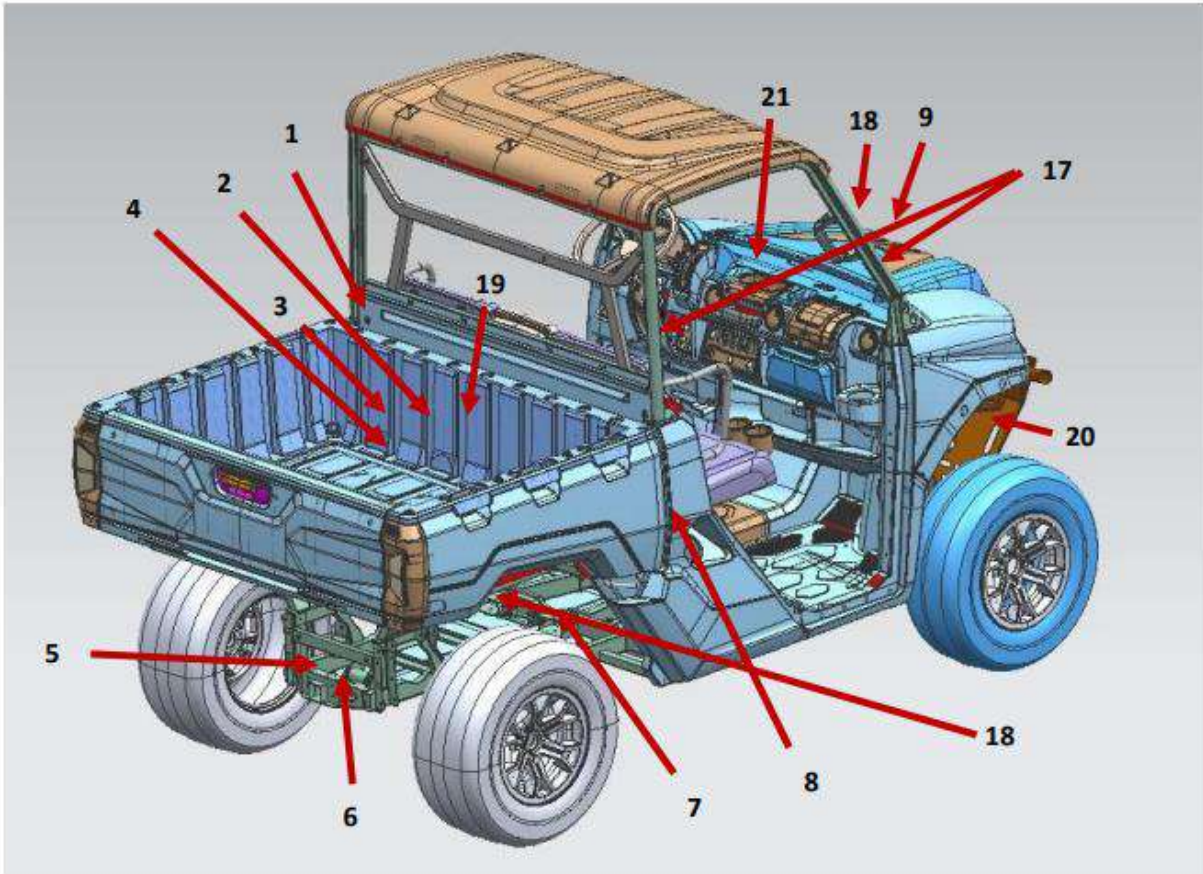


1

2



LOCATION OF THE WARNING AND SPECIFICATION LABELS



Read and understand all of the labels on your UTV. These labels contain important information for safe and proper operation.

Never remove any labels from your UTV. If a label becomes difficult to read or comes off, request a replacement label from your Massimo dealer.

⚠ WARNING

NEVER attach to the cage to pull a load. This can cause the vehicle to tip over. Use only the trailer hitch to pull a load.

1

577021

⚠ WARNING

Improper use of cargo bed or cage/frame can result in severe injury or death from loss of control, overturn or other accidents.

- Maximum cargo bed capacity is 1000lb.
- Cargo bed loading may effect handling and stability:
 - Shift transmission to lower gear.
 - Do not exceed 10 mph when cargo bed is loaded over 200lb or when pulling a trailer.
 - Inflate tire pressure to pressures stated on tire pressure label if cargo load is over 200 lb
 - Secure cargo so that it will not shift, affecting handling or cause the cargo to strike occupants.
 - Keep cargo weight centered in the bed and low as possible to reduce the chance of rollover.
 - Do not tow or pull objects from any other point on the vehicle other than the trailer hitch or winch if installed.
 - Reduce speed when making turns.
 - Avoid steep inclines and tough terrain.
 - Read your Owner's Manual before loading, towing or pulling objects.

2

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⚠ WARNING

Improper tire pressure or overloading can cause loss of control resulting in severe injury or death.

- Reduce speed and allow greater distance for braking when carrying cargo.
- Overloading or carrying tall, off-control, or unsecured loads will increase your risk of losing control. Loads should be centered and carried as low as possible in box.
- For stability on rough or hilly terrain, reduce speed and cargo.
- Be careful if load extends over the side of the box.
- Cold tire pressure:
 - Front : 16 psi(110kpa)
 - Rear : 18 psi(124kpa)
- Maximum weight : capacity :1000 lbs(454kg)

Read Owner's Manual for more detailed loading information.

3

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⚠ WARNING

- Never carry passengers in cargo bed.
- Passengers can be thrown off. This can cause serious injury or death.



4

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⚠ WARNING

When pulling a trailer :

- Set the shift lever to low gear range(L)
- Reduce your speed and turn gradually.
- Avoid hills and rough terrain.
- Allow more distance to stop.

5

577028

⚠ WARNING

Improperly load a trailer cause loss of control. Eevnly balance the load.

MAXIMUM TOWING WEIGHT:	1134kg	2500 lb
MAXIMUM TONGUE WEIGHT:	114kg	250 lb

6

577029

⚠ WARNING

Keep hands, body, and other people away from pinch points and when lowering be. Do not hold the cage/ frame while closing bed.

7

577020

WARNING



577023

Pinch point. Keep clear when lowering cargo box.

8

CAUTION

Do not cover clutch inlet slots.
Belt failure may result due to overheating

577033

9

WARNING

Require Proper Use of Your Vehicle



- Do not allow careless or reckless driving.
- Make sure operators are 16 or older with a valid driver's license.
- Do not let people drive or ride after using alcohol or drugs.
- Do not allow operation on public roads (unless designated for off-highway vehicle access) - collisions with cars and trucks can occur.

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10

CAUTION

To avoid transmission damage, shift only when vehicle is stationary and at idle.

APPLY BRAKE TO START
When this vehicle is not in operation or unattended, place shift in the park position

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11

WARNING

- This vehicle is equipped with an electronic park brake.
- Do not engage ((P)) brake while moving.
- Ensure park brake is fully engaged before releasing brake pedal.

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12

WARNING

BUCKLE SEATBELT
Prolonged driving of machine under power output restriction mode can cause serious damage to the engine

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13

WARNING

Improper Use of Off-Highway Vehicles Can Cause Severe Injury or Death

Be Prepared

- Fasten seat belts and side safety nets if so equipped
- Keep nets adjusted per owner's manual.
- Wear an approved helmet and protective gear.
- Each rider must be able to sit with back against seat, feet flat on floor (and foot rests), and hands on steering wheel or handhold(s), where equipped. Stay completely inside the vehicle.



Be Sure Riders Pay Attention and Plan Ahead

If you think or feel the vehicle may tip or roll, reduce your risk to injury:

- Keep a firm grip on the steering wheel or handholds and brace.
- Do not put any part of your body outside of the vehicle for any reason.

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14

WARNING

Improper Use of Off-Highway Vehicles Can Cause Severe Injury or Death

Drive Responsibly
Avoid loss of control rollovers:

- Avoid abrupt maneuvers, sideways sliding, skidding, or fishtailing, and never do donuts.
- Slow down before entering a turn.
- Avoid hard acceleration when turning, even from a stop.
- Plan for hills, rough terrain, ruts, and other changes in traction and terrain. Avoid paved surfaces.
- Avoid side hilling (riding across slopes).



Require Proper Use of Your Vehicle

- Do not allow careless or reckless driving.
- Make sure operators are 16 or older with a valid driver's license.
- Do not let people drive or ride after using alcohol or drugs.
- Do not allow operation on public roads (unless designated for off-highway vehicle access) - collisions with cars and trucks can occur.
- Do not exceed seating capacity: passenger[s].



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15

PASSENGER(S)

Improper Use of this Vehicles Can Cause Severe Injury or Death

Be Prepared

- Fasten seat belts and make sure net or door is securely latched in place
- Wear an approved helmet and protective gear. You must be able to sit with back against seat, foot flat on footrest, and hands on handholds. Stay completely inside the vehicle.



Be Sure Riders Pay Attention and Plan Ahead

If you think or feel the vehicle may tip or roll, reduce your risk to injury:

- Keep a firm grip on the steering wheel or handholds and brace.
- Do not put any part of your body outside of the vehicle for any reason.

577038

16

⚠ WARNING

- Be prepared in case of rollover.
- If the vehicle rolls over, any part of you body (such as arms, legs, or head) outside of the cockpit can be crushed by the cage or other parts of the vehicle.
- Fasten seat belt and make sure net and/or door is securely latched in place to help you avoid sticking out arms or legs.
- Never try to stop a rollover using your arm or leg.
- Never hold the cage while riding



17

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⚠ WARNING

Use a TGB approved air filter. The use of a non-TGB approved air filter may cause engine damage. Before installing filter, ensure there is no dirt or debris in the clean side of the intake tube. The air filter must be properly seated before the lid is reinstalled. Please reference your own's manual for additional information regarding

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18 19

⚠ WARNING

NEVER carry fuel or other flammable liquids on this vehicle



Failure to follow this instruction could lead to serious burn injuries or death.

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Taiwan Golden Bee (TGB). certifies that this ROV complies with the American National Standard for Recreational off-Highway Vehicles, ANSI/ROHVA 1 - 2016 Standard.

20

21

⚠ WARNING

Improper vehicle use can result in Severe Injury or Death.

NEVER Operate:

- At speeds too fast for your skills or the conditions.
- After or while using Alcohol or Drugs.
- On hills steeper than 15 degrees.
- On public roads, a collision can occur with another vehicle.
- With more than one passenger, or a passenger under age twelve or who cannot comfortably reach the floor and hand holds.
- On paved surfaces-pavement may seriously affect handling and control.
- With non-TGB approved accessories- they may seriously affect stability.

ALWAYS:

- Wear your seatbelt. Vehicle rollover could cause severe injury or death.
- Secure cab nets and keep hands and feet in vehicle at all times.
- Wear a helmet and eye protection.
- Reduce speed and use extra caution when carrying passengers.
- Avoid sharp turns or turns while applying heavy throttle.
- Operate slowly in reverse - avoid sharp turns or sudden braking.
- Make sure passenger reads and understands all safety labels.

**LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS.**

577062

SAFETY INFORMATION

AN UTV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE

An UTV handles differently from other vehicles, including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and riding on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures described.
- Never operate an UTV without proper training or instruction. **TAKE A TRAINING COURSE**. Beginners should receive training from a certified instructor. Contact an authorized UTV dealer to find out about the training courses nearest you.
- Always follow the age recommendation: A child under 16 years old should never operate an UTV with engine size greater than 90 cc. **NEVER ALLOW A CHILD UNDER AGE 16 TO OPERATE AN UTV** without adult supervision, and never allow continued use of an UTV by a child if he or she does not have the abilities to operate it safely.
- Always avoid operating an UTV on any sidewalks, driveways, parking lots and streets. Never operate an UTV on any public street, road or highway, even dirt or gravel one.
- Never operate an UTV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, a long-sleeved shirt or a jacket and long pants.
- Never consume alcohol or drugs before or while operating this UTV.
- Never operate at speeds too fast for your skills or the riding conditions. Always go at a speed that is proper for the terrain, visibility, operating conditions and your experience.
- Never attempt wheels, jumps or other stunts.
- Always inspect your UTV each time you use it to make sure it is in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules described in this manual.
 - Always keep both hands on the steering wheel and both feet on the footboards of the UTV during operation.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the UTV.
- Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the UTV on such terrain, Always be especially cautious on these kinds of terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds and never turns at excessive speeds.
- Never operate the UTV on hills too steep for the UTV or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly. Never go over the top of a hill at high speed.
- Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that would

cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the UTV. Never attempt to turn the UTV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of steep hill if possible.
- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, use the proper gear range and maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to a side if pointed straight uphill. Turn the UTV around and remount, following the procedure described in this manual.
- Always check for obstacles before operating in a new area.
- Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be careful when skidding or sliding. Learn to safety control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Never operate an UTV in fast flowing water or in water deeper than that recommended in this manual. Remember that the wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply it several times to let friction dry out the linings.
- Always be sure there are no obstacles or people behind you when you operate in reverse.
- When it is safe to proceed in reverse, go slowly.
- Always use the size and type of tires specified in this manual.
- Always maintain proper tire pressure as described in this manual.
- Never modify an UTV through improper installation or use of accessories.
- Never exceed the stated load capacity for an UTV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual or carrying cargo or pulling a trailer. Allow greater distance for braking.



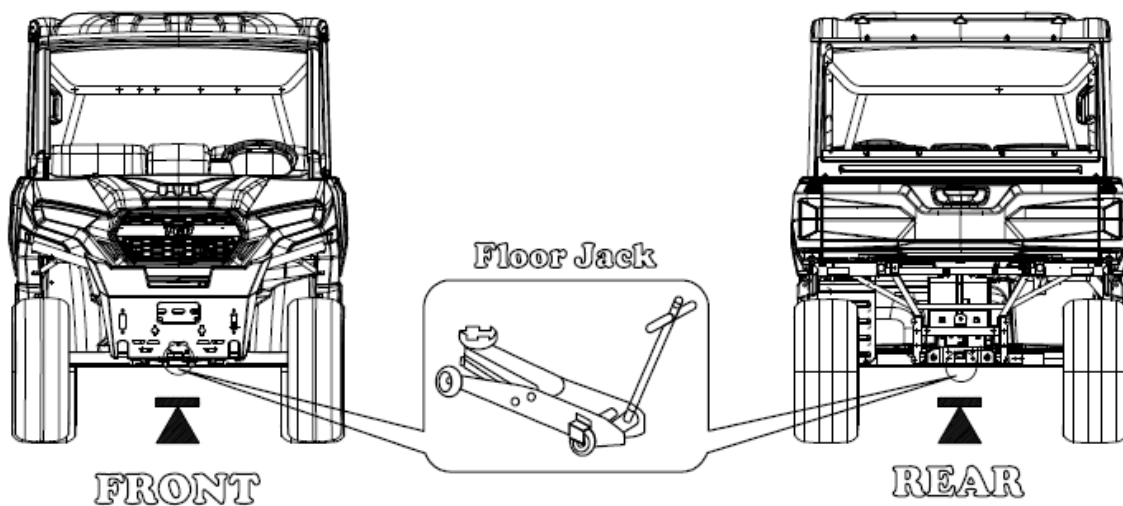
WARNING!

All engine exhaust contains carbon monoxide, a deadly gas. Carbon Monoxide is a colorless, odorless, tasteless gas, which may be present even if you do not see or smell any engine exhaust.

Avoid Carbon Monoxide Poisoning.

- Do not run engine indoors. Even if you try to ventilate engine exhaust with fans or open windows and doors, carbon monoxide can rapidly reach dangerous levels.
- Do not run engine in poorly ventilated or partially enclosed areas such as barns, garages or carports.
- Do not run engine outdoors where engine exhaust can be drawn into a building through opening such as window and doors.

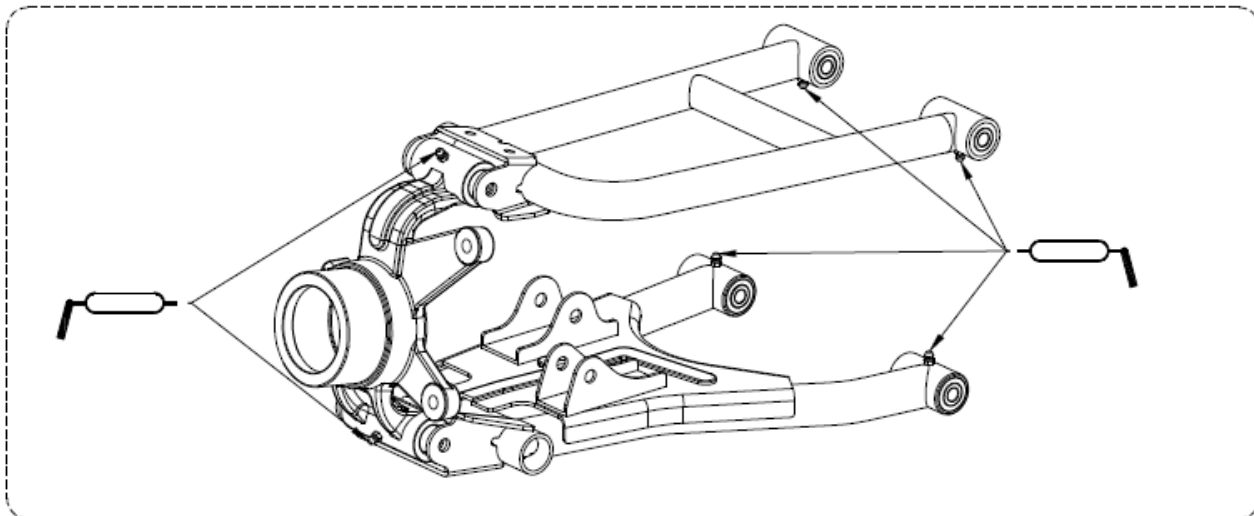
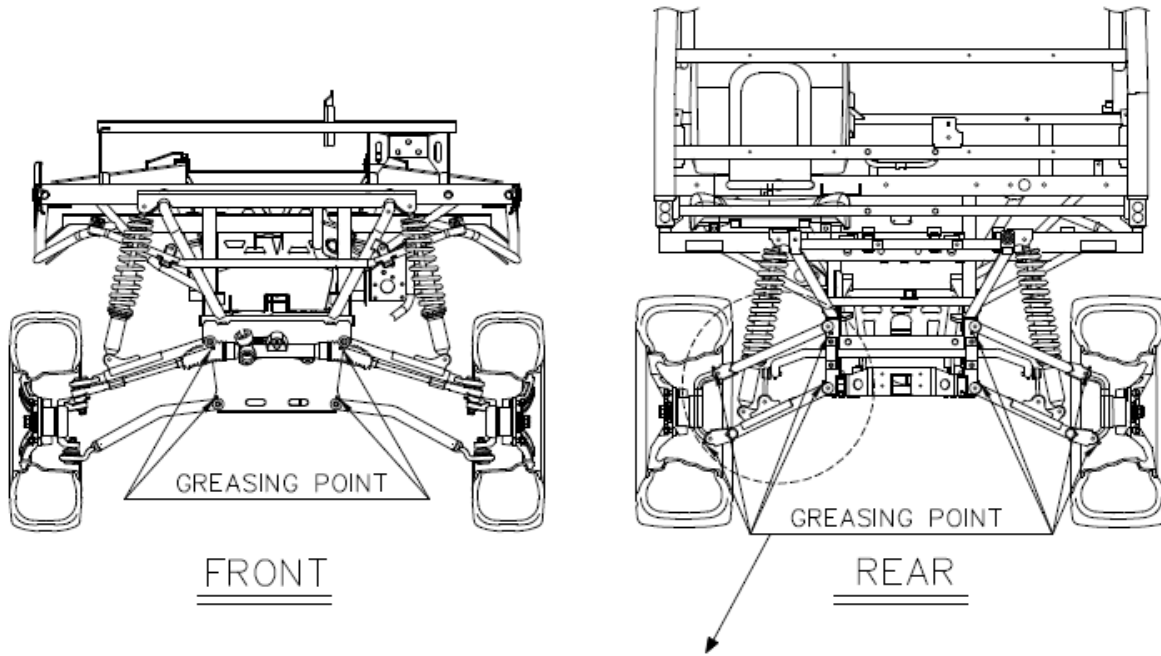
JACKING POINT



NOTE:

- When raising your vehicle Make sure to observe the following to reduce the possibility of death or serious injury.
- Lift up the vehicle using a floor jack such as the one shown in the illustration.
- Do not put any part of your body or get underneath the vehicle supported only by the floor jack.
- Always use floor jack and UTV jack stands on a solid, flat, level surface.
- Do not start the engine while the vehicle is supported by the floor jack.
- Stop the vehicle on level firm ground, firmly set the parking brake and shift the shift lever in P.
- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any objects on top of or underneath the floor jack.

GREASE POINT



PRE-OPERATION CHECKS

Inspect your vehicle each time you use it to make sure the vehicle is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in Owner's Manual.



WARNING!

Failures to inspect or maintain the vehicle properly increase the possibility of accident or equipment damage. Do not operate the vehicle if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the vehicle inspected by Massimo dealer.

Before using this vehicle, check the following points:

ITEM	ROUTINE
Fuel	Check fuel level in fuel tank and add recommended fuel if necessary. Check fuel line for leakage. Correct if necessary.
Engine oil	Check oil level in engine and add recommended oil to specified level if necessary. Check UTV for oil leakage. Correct if necessary.
Front Diff. gear oil	Check UTV for oil leakage. Correct if necessary.
Rear Diff. gear oil	Check UTV for oil leakage. Correct if necessary.
Coolant	Check coolant level in reservoir and add recommended coolant to specified level if necessary. Check cooling system for leakage. Correct if necessary.
Front brake/ Rear brake	Check operation, if soft or spongy, has Massimo dealer bleed hydraulic system. Check brake pads for wear and replace if necessary. Check brake fluid level in reservoir and add recommended brake fluid to specified level if necessary. Check hydraulic system for leakage. Correct if necessary. Check operation and correct if necessary. Lubricate cables if necessary. Check lever and pedal free play and adjust if necessary.
Throttle lever	Make sure that operation is smooth. Lubricate cable and lever housing if necessary. Check lever free play and adjust if necessary.
Control cables	Make sure that operation is smooth. Lubricate if necessary.
Wheels and tires	Check wheel condition and replace if damaged. Check tire condition and tread depth. Replace if necessary. Check air pressure. Correct if necessary.
Brake pedal	Make sure that operation is smooth. Lubricate pedal pivoting point if necessary.
Acceleration pedal	Make sure that operation is smooth. Lubricate pedal pivoting point if necessary.
Axle boots	Check for cracks or damage and replace if necessary.
Chassis fasteners	Make sure that all nuts, bolts and screws are properly tightened.
Instruments, light and switches	Check operation and correct if necessary.

OPERATION

Read the Owner's Manual carefully before driving the UTV. If there is a control or function you do not understand, ask your dealer.



WARNING!

Read the Owner's Manual carefully to become familiar with all controls in order to help prevent any loss of control, which could cause an accident or injury.

Engine break-in

There is never a more important period in the life of your engine than the first 320 km (200 mi) or 20 hours of driving. For this reason, you should read the following material carefully. Since the engine is brand new, do not put an excessive load on it for the first 320 km (200 mi) or 20 hours. The various parts in the engine wear and polish themselves to the correct operating clearances.

During this period, prolonged full-throttle operation or any condition that might result in engine overheating must be avoided.

0–160 km (0–100 mi) or 0–10 hours

Avoid prolonged operation above 1/2 throttle. Vary the speed of the UTV regularly. Do not operate it at one set throttle position.

160–320 km (100–200 mi) or 10–20 hours

Avoid prolonged operation above 3/4 throttle. Rev the engine freely, but do not use full throttle at any time.

320 km (200 mi) or 20 hours and beyond

The UTV can now be operated normally.

Parking

When parking the UTV, stop the engine, apply the brake, shift the drive select lever into the Parking position.

Parking on a slope



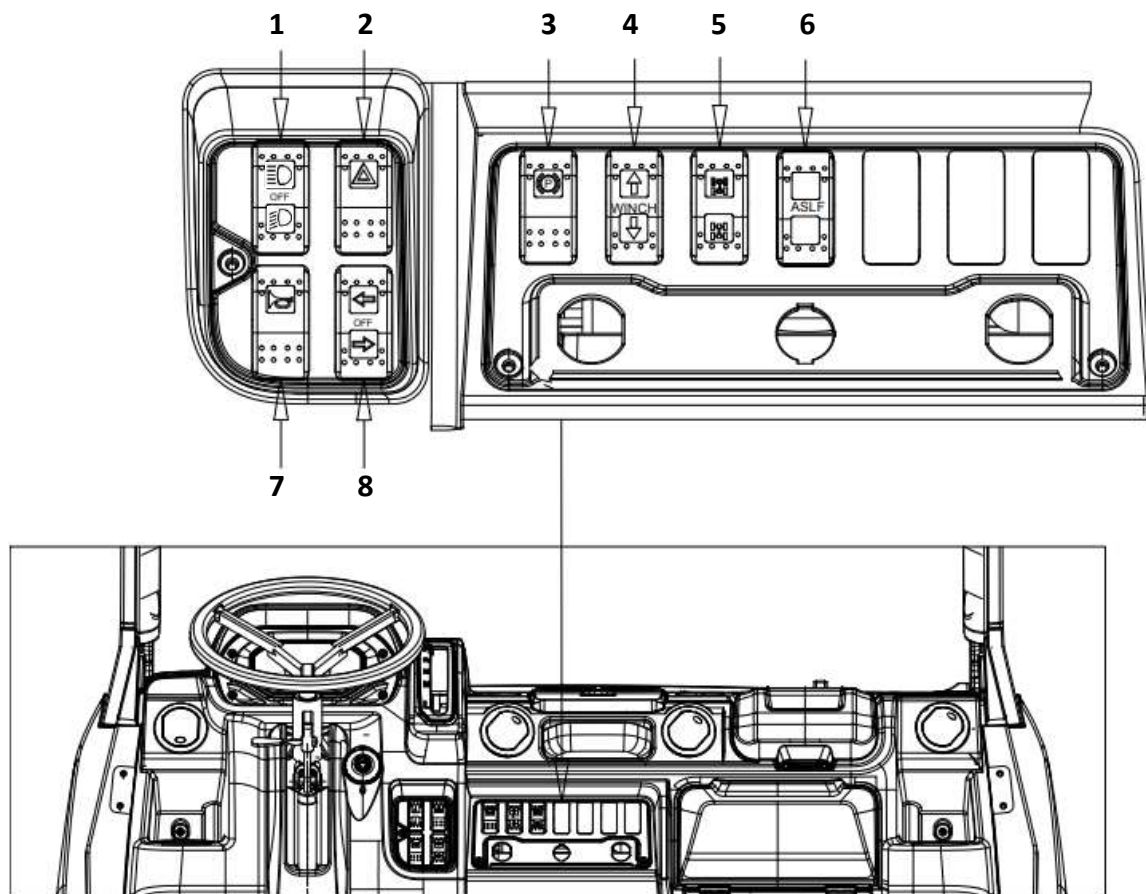
WARNING!

Avoid parking on hills or other inclines. Parking on a hill or other incline could cause the UTV to roll out of control, increasing the chance of an accident. If you must park on an incline, place the UTV transversely across the incline, stop the engine, pull the parking brake lever to the parking position, and then block the front and rear wheels with rocks or other objects.

Do not park the UTV at all on hills that are so steep you could not walk up them easily.

1. Bring the UTV to a stop by applying the brakes.
2. Stop the engine.
3. Pull the parking brake lever to the right (parking) position.


DESCRIPTION




- 1. HEAD LAMP
- 2. HAZARD
- 3. PARKING BRAKE
- 4. WINCH
- 5. 2WD/4WD LOCK
- 6. ASLF
- 7. HORN
- 8. DIRECTION LAMP


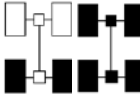


INTRUMENT AND CONTROL FUNCTION

1. IGNITION SWITCH FUNCTION / POSITION

Position	Function	Key Out
	Head Lamp	NO
ON	All electrical systems operational and Daytime running lamp	NO
OFF	While parking	YES



2. SIGNS AND FUNCTIONS

Position	Name	Function
	Dimmer Switch	Hi-Beam/Lo-Beam Switch
	Shifting the 2WD/4WD/LOCK button	Change Drive mode
	Turn Signal Switch	Right/Left-hand direction
	Horn	Sounded by pushing



※ This vehicle is equipped with a safety protection system, to start the engine must be brake applied.

3. BRAKE PEDAL

The brake pedal is located on the left side of the accelerator pedal. The brake pedal function is to slow down or stop the vehicle

Press down on the brake pedal and make sure you feel firm resistance and that it fully returns to position when released. To decrease vehicle speed or to stop vehicle, press down the brake pedal with your right foot. The brake pedal is spring loaded and should return to rest position when not pressed.



WARNING!

- Before each journey check whether the accustomed resistance exists with activity of the brake at the brake pedal. Also check there is sufficient quantity of brake fluid in the reservoir.
- Before each trip check the brake actuating system. The gap of the brake pedal end should be 63 mm approximately. Inform your local dealer of possible deviations.
- Irregularities of brakes such as leaks and poor performance should only be dealt with by an authorized dealer.

NOTES: The brake fluid level must be above the MIN mark. If the level keeps going down, have an authorized dealer check it. Always use DOT #4 brake fluid.



4. SHIFT LEVER



L: High torque use (advance gear)

H: Normal use (driving gear)

N: Neutral

R: Reverse use

P: Parking use

Shift lever instructions:

1. Engine starts only in Neutral (N) position.
2. Engage a brake and push the knob in and move the shift lever from N to H, L or R.
(L shift is used for rough surfaces)

※While shifting between gears(H,L,R) the vehicle must be at a complete stand still.

3. For reverse, with the brake on, push the knob in and move the shift lever from N to R.

Parking shift lever instructions:

1. Engage a brake and push the knob in then move the shift lever to “P” position.

Check the “P” indicator is bright on the dashboard.

2. Switching the parking break lever on the “Parking” position, make sure the parking procedure is completely.
3. At “P” position, the engine RPM was limited, open throttle will damage the damage.

For RPM checking or adjusting, please shift the lever to “N” position.





CAUTION!

Operating the shift lever when vehicle is moving can be hazardous. This is strictly prohibited.

Always wait till the vehicle stops completely, do not operate the UTV at high speed in reverse under any circumstances.

5. DRIVE MODE SELECT

This UTV equipped with five kinds of drive mode with either front or rear differential function. You can choose the different mode depends on the different terrain.

5.1.

2WD/4WD/LOCK SELECT BUTTON (W/O Rear Differential)

The 2WD/4WD/LOCK SELECT BUTTON is for the use of changing the engine power engages on the wheels. You can select 2WD, 4WD or LOCK mode for different **road** conditions.

2WD: Engage the engine power on the rear wheels only. This is mainly use for normal riding.

4WD: Engage the engine power on both front and rear wheels with front differential function.

There is a slip limited gear assy. inside the front differential can engage the right and left wheels at different speeds. This provides much more traction than 2WD and should be used when riding on wet and slippery surfaces.

LOCK: Engage the engine power on both front and rear wheels without differential function. This provides all traction to four wheels and should be used when two or more wheels skid.

Shifting the 2WD/4WD/LOCK button

1. Stop the vehicle completely.
2. Without LOCK system: Shift the transfer lever to the preferred position.
3. With LOCK system:

4WD Mode:

Press the button to change mode from 2WD to 4WD and the indicator lamp will ON at dashboard in 4WD mode.



Lock Mode:

Always follow the sequence **2WD**→**4WD**→**LOCK** to operate the button. When engage the lock functions. It should press the button to 4WD mode then shift the lock lever to the “LOCK “position.

Note: During 2WD mode, lock button without function.

Release lock function:

To unengaged the lock function, always backward the sequence From **LOCK**→**4WD**→**2WD**.

Always stop the UTV completely before shifting between 2WD,4WD and LOCK.

5.2. 2WD/4WD/LOCK SELECT BUTTON(W/ Rear Differential)

There are two directions select function and follow the sequence by press the button’s up sign or downward sign.

When power on, the vehicle will reset and begin at 2WD (rear wheel drive mode) , the mode will changed by press the select button from

2WD→2WD RWD→4WD→4WD RWD→4WD LOCK sequence at forward or backward direction.

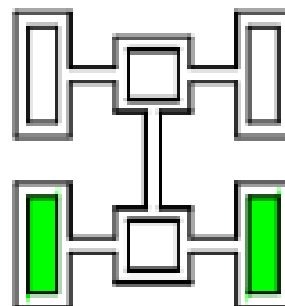


2WD: rear wheel drive

The UTV on the rear drive mode without Lock on the rear differential.

Power is supplied to the rear wheels with rear differential function.

This is mainly use for normal riding with both front and rear differential functions.



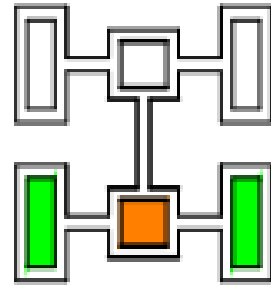
2WD LOCK(RWD):

rear wheel drive with rear lock function

The UTV on the rear drive mode with Lock on the rear differential.

Power is supplied to the rear wheels without rear differential function.

This is mainly use for normal riding with front differential only.

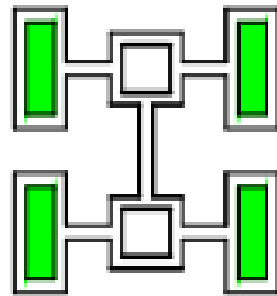


4WD:

four wheels drive with rear lock function.

Power is supplied to the rear and front wheels, with front differential function and rear differential function.

This provides much more traction than 2WD and should be used when riding on wet and slippery surfaces.



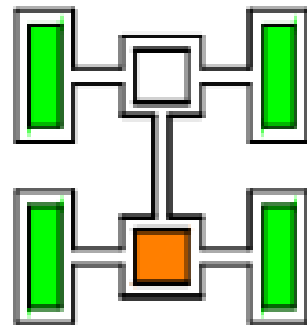
4WD LOCK(RWD):

four wheels drive with rear lock function.

The UTV on the all wheels drive mode with Lock on the rear differential only.

Power is supplied to the rear and front wheels, with front differential function but without rear differential function.

This provides much more traction than 2WD and should be used when riding on wet and slippery surfaces.



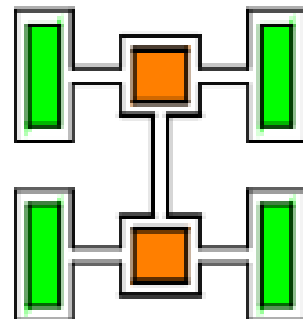
4WD LOCK:

all wheels drive with front and rear lock function.

The UTV on the all wheels drive mode with Lock on both front and rear differentials, which means all wheels without differential function.

Power is supplied to the rear and front wheels without any differential function.

This provides all traction to four wheels and should be used when two or more wheels skid



**WARNING!**

Always stop the UTV before changing from two-wheel drive to four-wheel drive and vice versa. The UTV handles differently in two-wheel drive than in four wheel drive in some circumstances. Changing from the two-wheel drive to four-wheel drive or vice versa while moving may cause the UTV to unexpectedly handle differently. This could distract the operator and increase the risk of losing control and causing an accident.

**WARNING!**

Always ride at a slow speed when the UTV is in differential gear lock and allow extra time and distance for maneuvers.
All wheels turn at the same speed when the differential gear is locked, so it takes more effort to turn the UTV. The effort needed to turn increases with the riding speed. You may lose control and have an accident if you cannot make a sharp enough turn for the speed you are traveling.

NOTES:

Riding before the differential gear lock is properly engaged will cause the vehicle speed to be limited until engagement is complete.



WARNING!

Press the button when UTV is moving can be extremely dangerous can lose control while driving with hand moved from the steering wheel. The gearbox mechanism can be damaged if pressing the shift button when UTV is in motion.
Always stop the UTV completely before shift between 2WD, RWD, 4WD and LOCK.

6. TIRES

Check tire pressure regularly to make sure it is at the recommended specifications. Also check for wears and damage.

Tire pressure

Use the low-pressure tire gauge to check and adjust tire pressure when tire are cold. Tire pressure must be equal on both sides.



WARNING!

Operation of this vehicle with improper tire pressure may cause severe injury or death from loss control or rollover. Tire pressure below the minimum specified could also cause the tire to dislodge from the rim under severe riding condition.



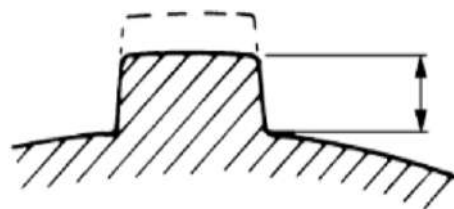
Set the tire pressure to the following specifications:

Model		UST/UTT
Recommend	Front	16 psi (1.125kgf/cm ²)
	Rear	18psi (1.266kgf/cm ²)

The low-pressure tire gauge is included as standard equipment. Make two measurements of the tire pressure and use the second reading. Dust or dirt in the gauge could cause the first reading to be incorrect.

Tire wear limit

When the tire groove decreases to 3 mm (0.12 in) due to wear, replace the tire.



Tire information

This UTV is equipped with tubeless tires with valves.



WARNING!

Use of improper tires on this UTV may cause loss of control, increasing your risk of an accident.

After extensive tests, only the tires listed below have been approved for this model by Massimo.

Model		UST/UTT
Front	Tubeless	27X9.00R14 · 29X9.00R14
Rear	Tubeless	27X11.00R14 · 29X11.00R14



WARNING!

Never attempt to change the tires without profession knowledge or skill. It will increase the risk of accident. Please contact your dealer for properly tires change.

Aftermarket tires and rims

The tires and rims that came with your UTV were designed to match the performance capabilities and to provide the best combination of handling, braking and comfort. Other tires, rims, sizes and combinations may not be appropriate.

7. COOLANT

The coolant level should be checked before each ride. In addition, the coolant must be changed at the intervals specified in the periodic maintenance and lubrication chart.

To check the coolant level

1. Place the UTV on a level surface.
2. Check the coolant level in the coolant reservoir.

NOTES:

The coolant level must be checked on a cold engine since the level varies with engine temperature.

The coolant should be between the minimum and maximum level marks.



Upper level

Low level



If the coolant is at or below the minimum level mark, remove the coolant reservoir cap, add coolant or distilled water to the maximum level mark and install the reservoir cap.



CAUTION!

If coolant is not available, use distilled water or soft tap water instead. Do not use hard water since it is harmful to the engine. If water has been used instead of coolant, replace it with coolant as soon as possible; otherwise the cooling system will not be protected against frost and corrosion. If water has been added to the coolant, have a Massimo dealer check the antifreeze content of the coolant as soon as possible, otherwise the effectiveness of the coolant will be reduced.

※ **Coolant reservoir capacity (up to the maximum level mark): 0.4 L**

To change the coolant



WARNING!

Wait for the engine and radiator to cool before removing the radiator cap. You could be burned by hot fluid and steam blown out under pressure. Always place a thick rag over the cap when opening. Allow any remaining pressure to escape before completely removing the cap.

1. Place the UTV on a level surface.
2. Remove front cover.
3. Place a container under the engine and then remove the coolant drain bolt and its gasket.
4. Remove the radiator cap.
5. Remove reservoir cap.
6. Disconnect the coolant reservoir hose on the coolant reservoir side and then drain the coolant from the coolant reservoir.
7. After draining the coolant, thoroughly flush the cooling system with clean tap water.
8. Install the coolant drain bolt and its new gasket and then tighten the bolt.
9. Connect the coolant reservoir hose.
10. Pour the recommended coolant into the reservoir to the maximum level mark and then install the reservoir cap.



CAUTION!

Mix antifreeze with distilled water only. However, if distilled water is not available, soft water may be used for refilling. Do not use hard water since it is harmful to the engine.

11. Pour the recommended coolant into the radiator until it is full.

Antifreeze/water mixture ratio: 1:1

Recommended antifreeze:

High quality ethylene glycol antifreeze containing corrosion inhibitors for aluminum engines

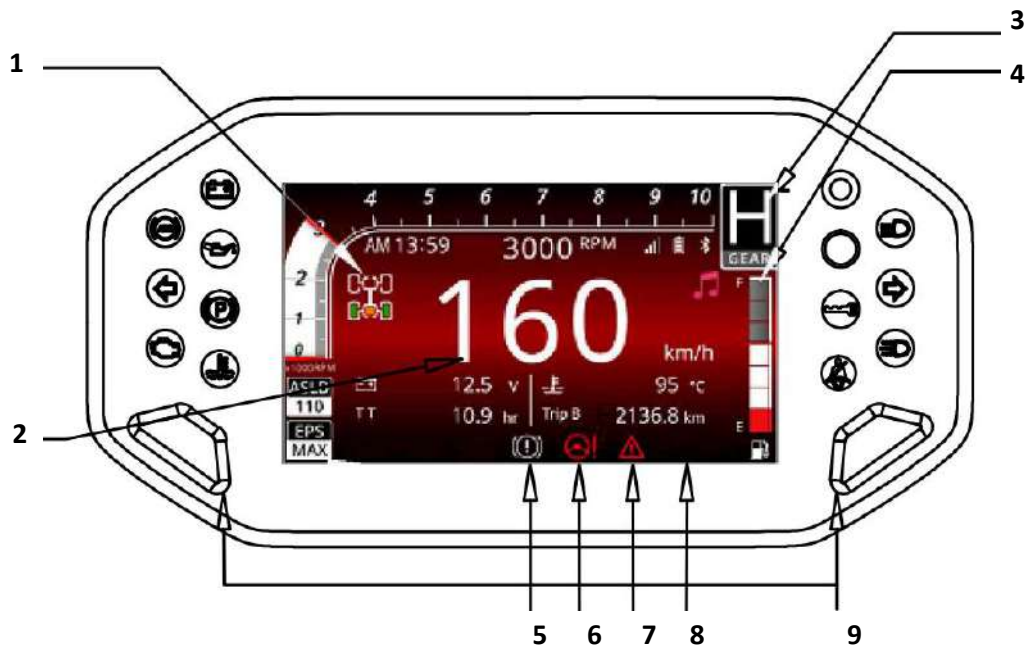
Coolant quantity:

Radiator capacity (including all routes): 4.9 L

Reservoir capacity (up to the maximum level mark): 0.4L




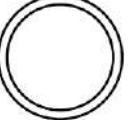









12. Install the radiator cap, start the engine let it idle for several minutes and then turn it off.
13. Remove the radiator cap to check the coolant level in the radiator. If it is low, add sufficient coolant until it reaches the top of the radiator then install the radiator cap.
14. Start the engine and then check for coolant leakage.
15. Install the front cover.

8. SPEEDOMETER



PANEL DESCRIPTIONS

1. 2WD/4WD INDICATOR(White/Green/Orange) Speedometer.
2. VEHICLE SPEED(White)
3. GEAR INDICATOR(White)
4. FUEL LEVEL INDICATOR(White)
5. BRAKE FAILURE(RED)
6. EPS FAILURE INDICATOR(White)
7. MALFUNCTION INDICATOR(RED)
8. ODOMETER
9. PRESS THESE TWO BUTTOMS TO TRANSFER km/h TO mph

	BATTERY CHARGING INDICATOR(Red)		MAIN BEAM INDICATOR(Blue)
	ABS INDICATOR(Red)		ASLD INDICATOR(White)
	ENGINE OIL INDICATOR(Red)		HAZARD INDICATOR & DIRECTION (Green)
	HAZARD INDICATOR & DIRECTION (Green)		SPEED LIMIT KEY INDICATOR(Orange)
	PARKING INDICATOR(Red)		Daytime running lamp / Green
	MALFUNCTION INDICATOR(Yellow)		SEAT BELT INDICATOR(Red)
	COOLANT INDICATOR(Red)		

1. Engine oil indicator (Red): if this light turns on, please check if it is enough engine oil, otherwise, please contact with your local dealer for inspection.
2. Temperature indicator (Red): if light turn on with engine running, implies cooling system problem. Please contact with your local dealer for inspection.
3. Battery charge warning light: if the light turns on while engine running, implies malfunction of battery system. Please contact with your local dealer for inspection.
- ※When turn on ignition switch, engine oil indicator/temperature indicator/battery indicator will self-diagnostic, if this process is not found, could be some malfunction. Please contact with your local dealer for inspection.
4. Turn signal light (Green): on use of turn signal, lights will flash and audible warning. Hazard warning: left/right light will flash and audible warning.
5. Engine check light (Yellow): if this light turns on, please contact with your local dealer for inspection.
6. ESP “FAIL” blinking indicate EPS malfunction and the defect code will shown on the bottom line of screen with “c????”, please contact with your local dealer.
7. Maintenance symbol: when display, please go to authorized Massimo dealer conduct the periodic maintenance.

※After parts clean inspection or replace oil, please follow the sequence to reset the display:

*. Key OFF.

*.Press SET button and key ON simultaneously at least 3 seconds.



WARNING!

Engine oil warning light will light up when low on oil. Please proceed to fill with Massimo special oil, after filling up, warning light will turn-off. Please always ride the vehicle with the engine oil warning light off, otherwise, it will cause damage to the engine.

If will cause severe damage to the engine if engine keep running under overheating circumstances.

FUNCTIONS DISPLAY

RPM: Digital Tachometer

1. RPM is displayed in 2nd row.
2. Digital tachometer displays up to 12,000 RPM.
3. Tachometer signal picked up from either ECU or Ignition coil.

MAX RPM: Maximum Tachometer

1. MAX RPM is displayed on 2nd row.
2. Displays highest tachometer reading achieved after last RESET operation.

SPEED: Speed Meter

1. Speed meter display is on 1st row of the screen.
2. Displays speedometer reading up to 199 Km/H or 124 MPH.

MAX SPEED: Maximum Speed Meter

1. MAX is displayed on 2nd row.
2. Displays highest speed achieved after last RESET operation.

SPEED AVG: Average Speed Meter

1. AVG is displayed on 2nd row.
2. Calculates average speed from last RESET.

TRIP A & TRIP B: Trip Meter A & B

1. TRIP function registers cumulative trip distance from last RESET while bike is being ridden.
2. Display is on 2nd row of screen.

ODO: Odometer

1. ODO registers cumulative distance traveled during motorbike operation.
2. ODO data is stored in memory even when power is off.

RT: Riding Timer

1. Calculates total operation time from last RESET.
2. Count automatically begins with vehicle movement.

TT: Total Riding Timer

1. Calculates total operation time from the beginning of bike use.
2. Count automatically begins with vehicle movement.
3. TT data is stored in memory even when power is off.

FUEL METER

1. Have 7 bar graphic indicator of fuel status.
2. Last bar flashes to indicate low fuel level.

DTC : Diagnostic Trouble Code

1. When EFI system failure, there is a defect code "P?????" at 2nd row display.
2. When EPS malfunction, there is a defect code "c?????" at 2nd row of display.

BUTTON OPERATIONS

MODE BUTTON

1. Press the MODE button to move all functions in loop sequence from one function screen to another.

ODO → RPM → TRIP A → TRIP B → MAX SPEED → SPEED AVG → RT → TT → MAX RPM → TIME → EPS → ODO

2. Press MODE for 10 seconds to change the display for KMH or MPH.

RESET FUNCTION

1. Press MODE to the desired screen then press MODE and SET button simultaneously for 6 seconds to reset the data from stored values to zero. Each reset are individually, including TRIP A, TRIP B, RT, AVG SPEED, MAX SPEED and MAX RPM.
2. ODO, Clock and TT data cannot be reset.

TIME FUNCTION

1. Press MODE to the TIME screen then presses MODE and SET button simultaneously for 3 seconds to set up the time.
2. When the digit is blinking, press SET button to desire digit then press MODE button to set up and jump to next digit.
3. After the time setting, press MODE and SET button simultaneously for save and back to ODO screen.
4. During setting, if the digit did not change over 10 seconds, the setting will auto save and back to time screen.
5. When speed over 10km/hr, the setting will save automatically.

EPS (Electric Power Steering) FUNCTION

The EPS indicator comes on when you press the MODE button and go to EPS function. You can select engage or disengage the EPS function if needed. The indicator remain on when EPS is engage and the ignition is turn ON, you can set up the steering torque to Max or Min.

MIN: Small steering torque, used for smooth terrain and high speed.

MAX: Large steering torque, used for rough terrain and low speed.

FAIL: ESP failure, blinking indicate EPS malfunction and the defect code will shown on the bottom line of screen with "c????".

9. SPARK PLUG

Checking the spark plug

The spark plug is an important engine component, which is easy to check. Since heat and deposits will cause any spark plug to slowly erode, the spark plug should be removed and checked in accordance with the periodic maintenance and lubrication chart. In addition, the condition of the spark plug can reveal the condition of the engine.

To remove the spark plug

1. Remove spark plug cap.
2. Remove the spark plug with spark plug wrench.

To check the spark plug

1. Check that the porcelain insulator around the center electrode of the spark plug is a medium to light tan (the ideal color when the UTV is ridden normally).

NOTES:

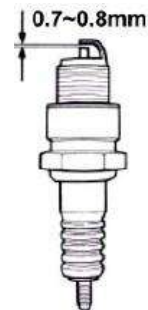
If the spark plug shows a distinctly different color, the engine could be operating improperly. Do not attempt to diagnose such problems yourself. Instead have a Massimo dealer check the UTV.

2. Check the spark plug for electrode erosion and excessive carbon or other deposits and replace it if necessary.

Specified spark plug: NGK DCPR8E

3. Measure the spark plug gap with a wire thickness gauge and if necessary, adjust the gap to specification.

Spark plug gap: 0.7~0.8 mm



To install the spark plug

1. Clean the surface of the spark plug gasket and its mating surface and then wipe off any grime from the spark plug threads.
2. Install the spark plug with the spark plug wrench and then tighten it to the specified torque.

Tightening torque: 200 +/- 20 kgf/cm

NOTES:

If a torque wrench is not available when installing the spark plug, a good estimate of the correct torque is 1/4-1/2 turn past finger tight. However the spark plug should be tightened to the specified torque as soon as possible.

3. Install the spark plug cap.

10. AIR CLEANER



1. Lift and Open the access cover.
2. Loosen and remove the air filter.
3. Clean and replace if necessary
4. Insert the filter carefully.
5. Inspect and carefully clean gasket in the groove of the cover. Replace if damaged.
6. Secure air filter cover with latches



CAUTION!

When riding in dusty conditions or sand, the air filter needs to be cleaned before every ride.

11. ENGINE OIL AND OIL FILTER

The engine oil level should be checked before each ride. In addition, the oil must be changed and the oil filter replaced at the intervals specified in the periodic maintenance and lubrication chart.

To check the engine oil level

1. Place the UTV on a level surface.
2. Check the engine oil level on a warm engine.

NOTES:

If the engine was started before checking the oil level, be sure to warm up the engine sufficiently and then wait at least ten minutes until the oil settles for an accurate reading.

3. Remove the engine oil filler cap then wipe the engine oil dipstick off with a clean rag.



Oil Filter Dipstick

4. Insert the dipstick into the filler hole (with screwing it in) and then remove it again to check the oil level.

NOTES:

The engine oil should be between the tip of the dipstick and the maximum level mark.

5. If the engine oil is not between the tip of the dipstick and the maximum level mark, add sufficient oil of the recommended type to raise it to the correct level.

NOTES:

Be sure the engine oil is at the correct level, otherwise engine damage may result.

6. Insert the dipstick into the oil filler hole and then tighten the engine oil filler cap.

To change the engine oil (with or without oil filter replacement)

1. Place the UTV on a level surface and raise up with lift jack.
2. Start the engine, warm it up for several minutes and then turn off.
3. Place an oil pan under the engine to collect the used oil.
4. Remove the engine oil drain bolt and its washer to drain the oil from the crankcase.



NOTES:

Dispose of lubricant in accordance with local regulations.

※ Skip the steps 5-7, if the oil filter cartridge is not being replaced.

5. Open the cargo box.
6. Remove the oil filter with an oil filter wrench.
7. Apply a thin coat of engine oil to the O-ring of new oil filter.
8. Install the new oil filter and tighten securely.
9. Install the engine oil drain bolt and its new washer and then tighten the bolt to the specified torque.



10. Refill with the specified amount of the recommended engine oil and then install and tighten the engine oil cap.

11. Close the cargo box.

Oil Grade: SAE 10W-40

Oil quantity:

Without oil filter replacement: 2.0 L

With oil filter replacement: 2.2 L

New engine: 2.5L

※ Be sure to wipe off spilled oil on any parts after the engine and exhaust system have cooled down.



CAUTION!

In order to prevent clutch slippage (since the engine oil also lubricates the clutch), do not mix any chemical additives.

Make sure that no foreign material enters the crankcase.

11. Start the engine and then let it idle for several minutes while checking it for oil leakage. If oil is leaking, immediately turn the engine off and check for the cause.

12. Turn the engine off, wait at least ten minutes and then check the oil level and correct it if necessary.

12. TRANSMISSION GEAR OIL

To check the transmission gear oil level

1. Place the UTV on a level surface.
2. Remove the cover and check bolt then check the oil level in the transmission case. The oil level should be at the brim of the check hole.
3. If the oil is below the brim of the check hole, add sufficient oil of the recommended type to raise it to the correct level.
4. Install the check bolt and tighten with specified torque.

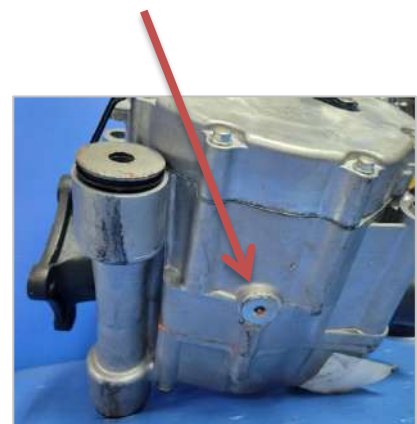
Tighten torque: check bolt: 80kgf/cm

To change the transmission gear oil

1. Place the UTV on a level surface and raise up with lift jack.
2. Place an oil pan under the transmission case to collect the used oil.
3. Remove the transmission gear oil drain bolt and its washer to drain the oil from the transmission case.



Drain Bolt



NOTES:

Dispose of lubricant in accordance with local regulations.

4. Install the drain bolt and washer then tighten the bolt to the specified torque.

Tighten torque: 330kgf/cm

5. Loosen the clamp and remove the breath hose then refill with recommended transmission oil.

Oil Grade: SAE 75W/140

Oil quantity: 75W/140, 0.75 L

6. Install the breath hose and tighten the clamp.
7. Check the transmission case for oil leakage. If oil is leaking, check for the cause.



13. FRONT DIFFERENTIAL GEAR OIL

The differential gear case must be checked for oil leakage before each ride. If any leakage is found, have a Massimo dealer check and repair the UTV. In addition, the differential gear oil level must be checked and the oil changed as follows at the intervals specified in the periodic maintenance and lubrication chart.

To check the differential gear oil level

1. Place the UTV on a level surface.
2. Remove the differential gear oil filler bolt and its gasket and then check the oil level in the differential gear case. The oil level should be at the brim of the filler hole.



Filler bolt

Drain bolt



3. If the oil is below the brim of the filler hole, add sufficient oil of the recommended type to raise it to the correct level.
4. Check the gasket for damage and replace it if necessary.
5. Install the oil filler bolt and its gasket and then tighten the bolt to the specified torque.

Tighten torque:

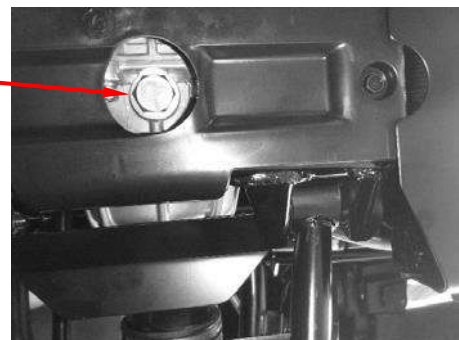
Differential gear oil filler bolt: 330kgf/cm

check bolt: 80 kgf/cm

To change the differential gear oil

1. Place the UTV on a level surface and raise up with lift jack.
2. Place an oil pan under the differential gear case to collect the used oil.

Drain bolt



3. Remove the differential gear oil filler bolt, the differential gear oil drain bolt and their gasket to drain the oil from the differential gear case.

NOTES:

Dispose of lubricant in accordance with local regulations.

4. Install the drain bolt and its new gasket and then tighten the bolt to the specified torque.

Tighten torque: 330kgf/cm

5. Refill with recommended differential gear oil.

Oil Grade: SAE 85W-90

Oil quantity: 0.7 L

6. Check the oil filler bolt gasket for damage and replace it if necessary.
7. Install the oil filler bolt and its gasket and then tighten the bolt to the specified torque.

Tighten torque: 330kgf/cm

8. Check the differential gear case for oil leakage. If oil is leaking, check for the cause.

14. REAR DIFFERENTIAL GEAR OIL

The final gear case must be checked for oil leakage before each ride. If any leakage is found, have a Massimo dealer check and repair the UTV. In addition, the final gear oil level must be checked and the oil changed as follow at the intervals specified in the periodic maintenance and lubrication chart.

To check the rear differential gear oil level

1. Place the UTV on a level surface.
2. Remove the final gear oil filler bolt and its gasket and then check the oil level in the final gear case. The oil level should be at the brim of the filler hole.

Filler Bolt



3. If the oil is below the brim of the filler hole, add sufficient oil of the recommended type to raise it to the correct level.
4. Check the oil filler bolt gasket for damage and replace it if necessary.
5. Install the oil filler bolt and its gasket and then tighten the bolt to the specified torque.

Tighten torque:

Final gear oil filler bolt: 330kgf/cm

Check bolt: 80 kgf/cm

To change the rear differential gear oil

1. Place the UTV on a level surface and raise up with lift jack..
2. Place an oil pan under the final gear case to collect the used oil.
3. Remove the final gear oil filler bolt; the final gear oil drain bolt and their gasket to drain the oil form the final gear case.

NOTES:

Dispose of lubricant in accordance with local regulations.

4. Install the drain bolt and its new gasket and then tighten the bolt to the specified torque.

Tighten torque: 330kgf/cm

Drain bolt

5. Refill with the recommended final gear oil to the brim of the filler hole as shown.

Oil Grade: SAE 85W-90

Oil quantity:, 0.6 L

6. Check the oil filler bolt gasket for damage and replace it if necessary.

7. Install the oil filler bolt and its gasket and then tighten the bolt to the specified torque.

Tighten torque: 330kgf/cm

8. Check the final gear case for oil leakage. If oil is leaking, check for the cause.



15. SEAT

Main characteristics of the driving seat:

Displacement and locking system in the longitudinal and vertical directions:

And two Number of passenger seats

16. Fuel Reservoir Cap

The fuel reservoir cap is located on the right hand side of the vehicle.

Refer to Fuel section for information on fueling procedure and fuel requirements.



17. STORAGE COMPARTMENTS

The vehicle is equipped with storage compartments designed to carry light objects. This UTV equipped with two storage compartments, which located at the front right side. To access the storage compartment, open the storage compartment cover. When storing any documents in the storage compartments, be sure to wrap them in a plastic bag so that they will not wet. When washing the UTV, be careful not to let any water enter the storage compartments.



18. FUSES AND BATTERY

BATTERY

The battery is located under the central passenger seat. This model is equipped with a free maintenance battery. There is no need to check the electrolyte or to add distilled water. However, the battery lead connections need to be checked and if necessary tightened.



WARNING!

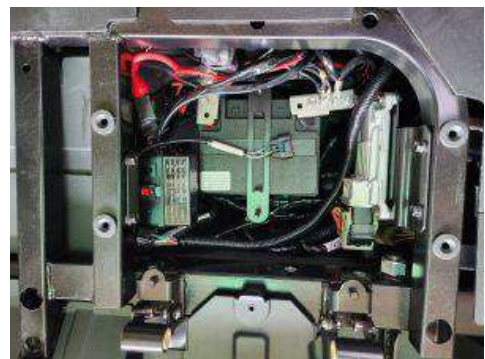
Battery electrolyte is poisonous and dangerous as it contains sulfuric acid, which can cause severe burns. Avoid contact with skin, eyes or clothing. Always shield your eyes when working near batteries.

Batteries produce explosive gases. Keep sparks, flame, cigarettes or other sources of ignition away. Ventilate when charging or using in an enclosed space.

KEEP OUT OF REACH OF CHILDREN

To remove the battery

1. Remove the central passenger seat.
2. Remove the battery holding plate by removing the bolts.
3. Disconnect the negative battery lead first then the positive battery lead by removing their bolt.
4. Pull the battery out of its compartment.





CAUTION!

When removing the battery, the main switch must be off and the negative lead must be disconnected before the positive lead.

To charge the battery

Have a Massimo dealer charge the battery as soon as possible if it seems to have discharged. Keep in mind that the battery tends to discharge more quickly if the UTV is equipped with optional electrical accessories.



CAUTION!

To charge free maintenance battery, a special (constant voltage) battery charger is required. Using a conventional battery charger will damage the battery.

To store battery

1. If the UTV will not be used for more than one month, remove the battery, fully charge it and then place it in a cool dry place.
2. If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary.



CAUTION!

Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.

To install the battery

1. Place the battery in its compartment.
2. Connect the positive battery lead first then connect the negative battery lead by installing their bolt.



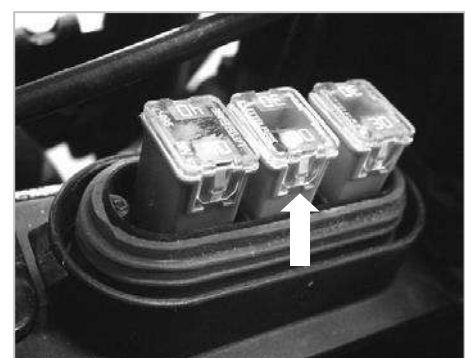
CAUTION!

When installing the battery, the main switch must be off and the positive lead must be connected before the negative lead.

3. Install the battery holding plate by installing the bolts.
4. Install the seat.

FUSES

There are two fuse box, one is main fuse box and other is EPS fuse box. For **EPS** model, the MAXI fuse is located in the EPS fuse box which is on the right side under the hood.



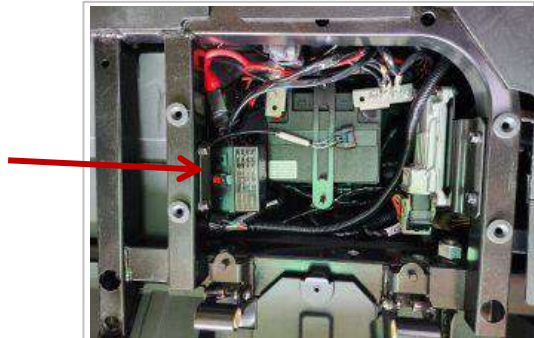
The EPS controller is located beside the EPS fuse box. Which is on the left side under the hood.



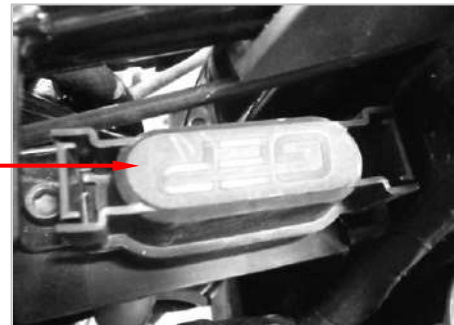
Replacing a fuse

The main fuse box and the EPS fuse box are located under the seat.

HEAD HI 15A	IGNITION 10A	TAIL 10A		F.P RELAY
HEAD LO 15A	P-SOURCE 10A	SPACE FUSE 20A		
FUEL PUMP 10A	P-SOURCE 10A	FAN RELAY		MAIN.P RELAY
EPI SYSTEM 10A	FAN 20A			



EPS 40A	MAXI 30A	CHARGER 40A
Green	Pink	Green



If a fuse is blown, replace it as follows.

1. Turn the key to "OFF" and turn off all electrical circuits.

CAUTION!

To prevent accident short-circuiting; turn off the main switch when checking or replacing fuse.

2. Remove the blown fuse and then install a new fuse of the specified amperage.

WARNING!

Always use a fuse of the specified rating and never use a substitute object in place of the proper fuse. An improper fuse or a substitute object can cause damage to the electrical system, which could lead to a fire.

3. Turn the key "ON" and turn on the electrical circuits to check if the devices operate.
4. If the fuse immediately blows again, have a Massimo dealer check the electrical system.

19. AUXILIARY DC JACK and USB Outlet

The auxiliary DC jack and USB Outlet is located on the console area of the UTV. The Auxiliary DC jack can be used for suitable work lights, radios...etc. The auxiliary DC jack should only be used when the engine is running and light switch is set to "OFF". When the auxiliary DC jack be used the electric current should not exceed 5 A.

1. Set the light switch to "OFF".
2. Start the engine.
3. Open the auxiliary DC jack cap and then insert the accessory power plug into the jack.
4. When the auxiliary DC jack is not being used, cover it with the cap.



CAUTION!

- Do not use accessories requiring more than 5 A. This may overload the current and cause the fuse to blow.
- If accessories are used without the engine running or with the headlights turn on, the battery will lose its charge and engine starting may become difficult.
- Do not use an automotive cigarette lighter or other accessories with plug that gets hot because the jack can be damaged.

PRECAUTION OF UTV DRIVING

This UTV is for recreation and utility use. This section, riding your UTV, provides general UTV riding instructions for recreational riding. The skills and techniques described in this section however are appropriate for all types of riding. Riding your UTV requires special skills acquired through practice over a period of time. Take the time to learn the basic techniques well before attempting more difficult maneuvers.

Be sure you have read this Owner's Manual completely and understand the operation of the controls. Pay particular attention to the safety information. Also read all warning and notice labels on your UTV.

RIDE WITH CARE

Get training if you are inexperienced.



WARNING!

Do not operate this UTV or allow anyone else to operate it without proper instruction. The risk of an accident is greatly increased if the operator does not know how to operate the UTV properly in different situations and on different types of terrain. Do not operate this UTV at speeds too fast for your skills or the conditions as this increases your chances of losing control of the UTV and an accident. Always go at a speed that is proper for the terrain, visibility and operating conditions and your experience.

Beginning and inexperienced operator should complete the certified training course. They should then regularly practice the skills learned in the course and the operating techniques described in this Owner's Manual.

Riding your UTV requires skills acquired through practice over a period of time. Do not attempt to operate at maximum performance until you are totally familiar with the UTV's handling and performance characteristics. Take the time to learn the basic techniques well before attempting more difficult maneuvers. Become familiar with this UTV at slow speeds first, even if you are an experienced operator.

Not recommended for children under 16 years of age.



WARNING!

A child under 16 should never operate an UTV with engine size greater than 90 cc. Use by children of UTV's that are not recommended for their age can lead to severe injury or death of child.



Apparel

Always wear the following to reduce risk of injury in an accident:

Approved motorcycle helmet that fits properly.

Eye protection (goggles, helmet face shield or protective eyewear)

Over the ankle boots, gloves, long sleeved shirt or jacket and long pants.

An approved helmet and other personal protective equipment can reduce the severity of injuries in an accident.



WARNING!

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Wear eye protection when operating your UTV to reduce the risk of a serious accident or injury. Eye protection such as a face shield or goggles may reduce the risk of foreign material getting in your eyes and help prevent loss of vision.



WARNING!

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.



Do not operate after or while consuming alcohol or drugs.

The operator's performance capability is reduced by the influence of alcohol or drugs.

Consuming alcohol or drugs could seriously affect your judgment cause you to react more slowly and affect your balance and perception.



WARNING!

Never consume alcohol or drugs before or while driving this UTV. You increase your chance of an accident.

Loading and accessories



WARNING!

Improper loading or towing can increase the risk of loss of control, an overturn or other accident. To reduce the risk of an accident:

- **Do not exceed the maximum loading limits for the vehicle.**
- **Keep weight on racks centered side to side and as low as possible. Be sure cargo is**

secured- a loose load could change handling unexpectedly.

- Make sure the load does not interfere with your control or ability to see where you are going.
- Tie down cargo in the trailer securely. Make sure cargo in the trailer cannot move around. A shifting load can cause an accident.
- Reduce speed and allow more room to stop. A heavier vehicle takes longer to stop.
- Avoid hills and rough terrain. Choose terrain carefully. Use extreme caution when towing or carrying a load on inclines.
- Turn gradually and go slowly.

Take extra precautions when driving with a load or trailer. Follow these instructions and always use common sense and good judgment when carrying cargo or towing a trailer.

MAXIMUM LOADING LIMIT

Trailer max weight: 1136kg (2500lb) on level ground

Hitch max vertical weight: 35kg (77lb)

Drive more slowly than you would without a load. The more weight you carry, the slow you should go. It is good practice to drive slowly (shift into first gear or low drive if available on this model) whenever you are carrying heavier loads or when towing a trailer.

During operation

Always keep your feet on the footboards during operations.



WARNING!

Removing even one hand or foot can reduce your ability to control the UTV or could cause you to lose your balance and fall off of the UTV.

Avoid wheels and jumping.



WARNING!

Attempting wheels, jumps and other stunts increases the chance of an accident, including an overturn. Never attempt stunts, such as wheels or jumps. Don't try to show off.

Modifications and accessories

Never modify this UTV through improper installation or use of accessories or other modification. All parts and accessories added to this UTV should be genuine Massimo or equivalent components designed for use on this UTV and should be installed and used according to instructions. If you have question, please consult an authorized UTV dealer.



WARNING!

Operating this UTV with improper modifications may cause changes in handling, which in some situations could lead to an accident.

Exhaust system



WARNING!

- Dry grass or brush or other combustible material accumulated around the engine area could catch fire. Do not operate, idle or park the UTV in dry grass or other dry ground cover. Keep the engine area free of dry grass, brush or other combustible material.
- Someone touching the exhaust system during or after operation could be burned. Do not touch the hot exhaust system; do not park the UTV in a place where others might be likely to touch it.

The muffler and other engine parts become extremely hot during operation and remain hot after the engine has stopped. To reduce the risk of fire during operation or after leaving the UTV, do not let brush, grass and other materials collect under the vehicle, near the muffler or exhaust pipe or next to other hot parts. Check under the vehicle after operating in areas where combustible materials may have collected. Do not idle or park the vehicle in long dry grass or other dry ground cover.

To prevent burns, avoid touching the exhaust system. Park the UTV in a place where pedestrians or children are not likely to touch it.

Cleaning the spark arrester

Be sure the exhaust pipe and muffler are cool before cleaning spark arrester.

1. Remove the bolts.
2. Remove the tailpipe by pulling it out of the muffler.
3. Tap the tailpipe lightly, and then use a wire brush to remove any carbon deposits from the spark arrester portion of the tailpipe and inside of the tailpipe housing.
4. Insert the tailpipe into the muffler and align the bolt holes.
5. Install the bolts and tighten them to the specified torque. 1Nm or 8 in lb



WARNING!

Do not start the engine when cleaning the spark arrester, otherwise it could cause injury to the eyes, burns, carbon monoxide poisoning, possibly leading to death, and start a fire. Always let the exhaust system cool prior to touching exhaust components.

BE CAREFUL WHERE YOU RIDE

This UTV is designed for OFF-ROAD use.



WARNING!

Paved surfaces may seriously affect handling and control of the UTV and may cause the UTV to go out of control. Always avoid paved surfaces, including sidewalks, driveways, parking lots and streets.

Do not ride on any public road, street or highway. Riding on public roads can result in collisions with other vehicles. In many states it is illegal to operate UTVs on public streets, roads and highways.



WARNING!

Never operate this UTV on any public street, road or highway, even dirt or gravel one. You could collide with another vehicle.

Know the terrain where you ride. Ride cautiously in unfamiliar areas. Stay alert for holes, rocks or roots in the terrain and other hidden hazards, which may cause the UTV to upset.



WARNING!

The UTV could go out of control if you do not have enough time to react to hidden rocks, bumps or holes. Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the UTV.

Do not operate on rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the UTV on such terrain. Always are especially cautions on these kinds of terrain.



WARNING!

Failure to use extra care when operating on excessively rough, slippery or loose terrain could cause loss of traction or UTV control which could result in an accident, including an overturn.

When riding in an area where you might not easily be seen such as desert terrain, mount a caution flag on the UTV. **DO NOT** use the flagpole bracket as a trailer hitch.



WARNING!

You could collide with another vehicle if operating in off-road areas where you cannot easily be seen. Mount a caution flag on the UTV to make you more visible. Watch carefully for other vehicles.

Do not ride in areas posted “ no trespassing”.

Do not ride on private property without getting permission.

Select a large and flat area off-road to become familiar with your UTV. Make sure that this area is free of obstacles and other riders. You should practice control of the throttle, brakes, shifting procedures and turning techniques in this area before trying more difficult terrain. Shift to the park position and follow the instruction to start the engine. Once it has warmed up you are ready to begin riding your UTV. With the engine idling, shift the drive select lever into the low gear position or high gear position. Apply the throttle slowly and smoothly. If the throttle is applied too abruptly, the front wheels may lift off the ground, resulting in a

loss of directional control. Avoid higher speeds until you are thoroughly familiar with operation of your UTV.

When slowing down or stopping, release the throttle and apply the brakes smoothly and evenly. Improper use of the brakes can cause the tires to lose traction, reducing control and increasing the possibility of an accident.



CAUTION!

Do not shift from low gear to high gear without coming a complete stop. Damage to the engine or drive train may occur.

TURNING YOUR UTV



WARNING!

Always follow proper procedures for turning as described in this Owner's Manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at speeds too faster your skills or the conditions. UTV could go out of control and causing a collision or overturn.

To achieve maximum traction while riding off-road, the two rear wheels turn together at the same speed. Therefore, unless the wheel on the inside of the turn is allowed to slip or lose some traction, the UTV will resist turning. A special turning technique must be used to allow the UTV to make turns quickly and easily. It is essential that this skill be learned first at low speed.

As you approach a curve, slow down and begin to turn the steering wheel in the desired direction. Use the throttle to maintain an even speed through the turn. This maneuver will let the wheel on the inside of the turn slip slightly allowing the UTV to make the turn properly.

This procedure should be practiced at slow speed many times in a large off-road area with no obstacles. If an incorrect technique is used, your UTV may continue to go straight. If the UTV doesn't turn, come to a stop and then practice the procedure again. If the riding surface is slippery or loose, it may help to position more of your weight over the front wheels by moving forward on the seat.

Once you have learned this technique, you should be able to perform it at higher speeds or in tighter curves.

Improper riding procedures such as abrupt throttle changes, excessive braking, incorrect body movement or too much speed for the sharpness of the turn may cause the UTV to tip. If the UTV begins to tip over to the outside while negotiating a turn, lean more to the inside. It may also be necessary to gradually let off on the throttle and steer to the outside of the turn to avoid tipping over.

Remember: Avoid higher speeds until you are thoroughly familiar with the operation of your UTV.

CLIMBING UPHILL



CAUTION!

Climbing hills improperly can cause overturns or loss of control. Use proper riding techniques described in this Owner's Manual.

- Never operate the UTV on hills too steep for the UTV or for your abilities. The UTV can overturn more easily on extremely steep hills than on level surfaces or small hills.
- Always check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces.
- Shift your weight forward.
- Never open the throttle suddenly. The UTV could flip over backwards.
- Never go over the top of any hill at high speed. An obstacle, a sharp drop or another vehicle or person could be on the other side of the hill.
- Never attempt to turn the UTV around on any hill until you have mastered the turning technique as described in the Owner's Manual on level ground. Be very carefully when turning on any hill.
- Avoid crossing the side of a steep hill if possible. When crossing the side of a hill, shift your weight to the uphill side of the UTV.

Do not attempt to climb hills until you have mastered basic maneuvers on flat ground.

Always check the terrain carefully before attempting any hill. In all cases avoid inclines with slippery or loose surfaces or obstacles that might cause you to lose control.

To climb a hill, you need traction, momentum and steady throttle. For more traction and control for climbing steeper and/or rougher slopes, select the "4WD" or 4WD-LOCK. Travel fast enough to maintain momentum but not so fast that you cannot react to changes in the terrain as you climb.

Slow down when you reach the crest of the hill if you cannot see clearly what is on the other side there could be another person, an obstacle or a sharp drop off. Use common sense and remember that some hills are too steep for you to climb or descend.

If you are climbing a hill and you find that you have not properly judged your ability to make it to the top, you should turn the UTV around while you still have forward motion and go down the hill.

If your UTV has stalled or stopped and you believe you can continue up the hill, restart carefully to make sure you do not lift the front wheels which could cause you to lose control. If you are unable to continue up the hill, dismount the UTV on the uphill side. Physically turn the UTV around and then descend the hill.

If you start to roll back wards, DO NOT apply either brake abruptly. If you are in “2WD), apply only the front brake. When fully stopped, apply the rear brake as well and then shift to the park position. If you are in “4WD”m because all wheels are interconnected by the drive train, applying either brake will brake all wheels, therefore avoid sudden application of either the front or rear brake as the wheels on the uphill side could come off the ground. The UTV could easily tip over backwards. Apply both the front and rear brakes gradually. When fully stopped, shift to the park position and dismount the UTV immediately on the uphill side or to a side if pointed straight uphill. Turn the UTV around and remount, following the procedure described in the Owner’s Manual.



WARNING!

Stalling, rolling backwards or improperly dismounting while climbing a hill could result in UTV overturning. If you cannot control the UTV, dismount immediately on the uphill side.

RIDING DOWN HILL



WARNING!

Going down a hill improperly could cause overturns or loss of control. Always follow proper procedures for going down hills as described in this Owner’s Manual.

- Always check the terrain carefully before you start down any hill.
- Never operate the UTV on hills too steep for the UTV or for your ability. The UTV can overturn more easily on extremely steep hills than on level surfaces or small hills.
- Shift your weight backward and to the upside of the hill.
- Never go down a hill at high speed.
- Avoid going down a hill at an angle that would cause the UTV to lean sharply to one side. Go straight down the hill where possible.
- Improper braking can cause the wheels on the hillside to come off the ground or cause loss of traction. Apply brakes gradually. If in “2WD”, apply only the rear brake.

When driving your UTV downhill, for maximum engine compression braking effect, select the low gear position and change to “4WD” before beginning to descend the hill.

Use caution while descending a hill with loose or slippery surfaces. Braking ability and traction may be adversely affected by these surfaces. Improper braking may also cause a loss of traction.

When this UTV is in “4WD”, all wheels are interconnected by drive train. This means that applying the brake will brake all wheels. When descending hills, using the brake pedal will brake the wheels on the downhill side. Avoid sudden application of either the brake because the wheels on the uphill side could come off the ground. Apply both the front and rear brakes gradually.

Whenever possible, ride your UTV straight downhill. Avoid sharp angles, which could allow the UTV to tip or roll over. Carefully choose your path and ride no faster than you will be able to react to obstacles, which may appear.

CROSSING A SLOPE



WARNING!

Improperly crossing hills or turning on hills could cause loss of control or cause the UTV to overturn.

- Always follow proper procedures as described in the Owner’s Manual.
- Avoid hills with excessively slippery or loose surfaces.
- Avoid crossing the side of a steep hill.
- Shift your weight to the uphill side of the UTV.
- Never attempt to turn the UTV around on any hill until you have mastered the turning technique as described in the Owner’s Manual on level ground. Be very careful when turning on any hill.

Traversing a sloping surface on your UTV requires you to properly position your weight to maintain proper balance. Be sure that you have learned the basic riding skills on flat ground before attempting to cross a sloping surface. Avoid slopes with slippery surfaces or rough terrain that may upset your balance.

When riding on slopes, be sure not to make sharp turns either up or down hill.

If your UTV does begin to tip over, gradually steer in the downhill direction if there are no obstacles in your path. As you regain proper balance, gradually steer again in the direction you wish to travel.

CROSSING THROUGH SHALLOW WATER



WARNING!

Operating this vehicle through deep or fast flowing water can lead to loss of control or an overturn. To reduce your risk of drowning or other injuries, use care when crossing through water. Never operate this UTV water deeper than the depth specified in your Owner's Manual, as tires may float, increase the risk of an overturn.

The UTV can be used to cross slow moving, shallow water of up to maximum of 35 cm (14 in) in depth. Before entering the water, choose your path carefully. Enter where there is no sharp drop off, and avoid rocks or other obstacles, which may be slippery or upset the UTV. Drive slowly and carefully.

Test your UTV after leaving the water. If necessary apply them several times to let the friction dry out the linings. Do not continue to ride your UTV without verifying that you have regained proper braking ability.



WARNING!

Wet brakes may have reduced stopping ability, which could cause loss of control

After riding your UTV in water, be sure to drain the trapped water by removing the check hose at the bottom of the air filter case, remove the v-belt case drain bolt and front storage compartment drain plug to drain any water that may have accumulated.



NOTICE!

Undrained water can cause damage or improper operation.

RIDING OVER ROUGH TERRAIN



WARNING!

Riding improperly over obstacles could cause loss of control or a collision. Before operating in a new area, check for obstacles. Never attempt to ride over large obstacles, such as large rocks or fallen trees. When you go over obstacles, always follow proper procedures as described in the Owner's Manual.

Riding over rough terrain should be done with caution. Look out for obstacles, which could cause damage to the UTV or could lead to an upset or accident. Be sure to keep your feet firmly mounted on the footboards at all times. Avoid jumping the UTV as loss of control and damage to the UTV may result.

SLIDING AND SKIDDING



WARNING!

Skidding or sliding improperly may cause you lose control of this UTV. You may also regain traction unexpectedly, which may cause the UTV to overturn.

- Learn to safety control skidding or sliding by practicing at low speeds and on level, smooth terrain.
- ON extremely slippery surfaces such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.

Care should be used when riding on loose or slippery surfaces since the UTV may slide. If unexpected and uncorrected, sliding could lead to an accident.

If the rear wheels of your UTV start to slide sideways, control can usually be regained by steering in direction of the slide. Applying the brakes or accelerating is not recommended until you have corrected the slide.

With practice, over a period of time, skill at controlled sliding can be developed. The terrain should be chosen carefully before attempting such maneuvers since both stability and control are reduced. Bear in mind that sliding maneuvers should always be avoided on extremely slippery surfaces such as ice since all control may be lost.

PERIODIC MAINTENANCE

NO.	ITEM	Check or maintenance job	Whichever comes first	INITIAL		EVERY		
				MONTH	1	3	6	12
				Km	200	1000	2000	4000
				Mi	120	600	1200	2400
1	Exhaust system	♦ Check for leakage and replace gasket if necessary	T	T	T	T		
		♦ Check for looseness and tighten all screw clamps and joints if necessary						
2	Valves	♦ Check valve clearance and adjust if necessary	I		I	I		
3	Air filter element	♦ Clean and replace if necessary		I	I	I		
4	Vent Tube	♦ Clean		I	I	I		
5	Spark plug	♦ Check condition and clean, re-gap or replace if necessary			I	I		
6	Engine oil	♦ Change ♦ Check UTV for oil leakage and correct if necessary	R		R	R		
7	Engine oil filter	♦ Replace	R		R	R		
8	Engine oil strainer	♦ Clean	I		I	I		
9	Gear Box Oil	♦ Replace	R		R	R		
10	Front Differential gear oil	♦ Change ♦ Check UTV for oil leakage and correct if necessary	R		R	R		
			Replace every 4 years					
11	Rear Differential gear oil	♦ Change ♦ Check UTV for oil leakage and correct if necessary	R		R	R		
			Replace every 4 years					
12	Fuel line	♦ Check fuel hoses for cracks or other damage and replace if necessary			I	I		
13	Fuel filter	♦ Replace	Every 2 years					
14	Front brake	♦ Check operation and correct if necessary ♦ Check fluid level and UTV for fluid leakage and correct if necessary	I	I	I	I		
		♦ Replace brake pads	Whenever worn to the limit					
15	Rear brake	♦ Check operation and correct if necessary ♦ Check the brake lever and pedal free play and adjust if necessary	I	I	I	I		
		♦ Check brake friction plate wear and replace if necessary	I	I	I	I		
16	Brake hoses	♦ Check for cracks or other damage and replace if necessary		I	I	I		
		♦ Replace	Every 4 years					
17	Wheels	♦ Check run out and for damage and replace if necessary	I		I	I		

18	Tires	<ul style="list-style-type: none"> ◆ Check tread depth and for damage and replace if necessary ◆ Check air pressure and balance and correct it if necessary 		I	I	I
19	Wheel hub bearings	<ul style="list-style-type: none"> ◆ Check for looseness or damage and replace if necessary 	I		I	I
20	V-belt	<ul style="list-style-type: none"> ◆ Check for wear, cracks or other damage and replace if necessary 			I	I
21	Drive shaft universal joint	<ul style="list-style-type: none"> ◆ Lubricate with grease 			L	L
22	Chassis fasteners	<ul style="list-style-type: none"> ◆ Make sure that all nuts, bolts and screw are properly tightened 	T	T	T	T
23	Shock absorber assemblies	<ul style="list-style-type: none"> ◆ Check operation and correct if necessary ◆ Check for oil leakage and replace if necessary 			I	I
24	Grease Nipple	<ul style="list-style-type: none"> ◆ Lubricate with grease 			L	L
25	Steering shaft	<ul style="list-style-type: none"> ◆ Lubricate with grease 			L	L
26	Steering system	<ul style="list-style-type: none"> ◆ Check operation and repair or replace if damaged ◆ Check toe-in and adjust if necessary 	I	I	I	I
27	Engine mount	<ul style="list-style-type: none"> ◆ Check for the cracks or other damage and replace if necessary 			I	I
28	Transmission boots	<ul style="list-style-type: none"> ◆ Check for the cracks or other damage and replace if necessary 	I	I	I	I
29	Spark Arrester	<ul style="list-style-type: none"> ◆ Clean 	C	Every 1000km/600 miles		

L: Lubricate C: Clean R: Replace T: Tighten I: Inspect, correct If necessary

*** For UTVs subjected to sever riding conditions, shorten the period of inspecting oil level, CVT and drive belt condition to at least once every 1000km.**

- Have the UTV serviced and checked by an authorized Massimo dealer, make sure the service book is stamped and signed. Failure to do so could invalidate your warranty.
- The maintenance schedule is established by taking month and kilometer as a reference, whichever comes first.
- Proper periodic inspection and maintenance can keep your vehicle in a safe and efficient condition. Safety is an obligation of the vehicle owner/operator.



WARNING!

Fail to properly performing the maintenance may leads to injury or death during service, and increase risk of using the vehicle.



WARNING!

Shut off the engine when performing maintenance unless otherwise specified. A running engine has moving parts that can catch body parts, clothing and electricals, which may lead to shock, fire or other threats. Running the engine while servicing can lead to risk of eye injury, burns, fire or carbon monoxide poisoning, possibly death.



WARNING!

Brake discs, calipers, drums and linings can become very hot after use. To avoid possible burns, allow brake components to cool before touching them.

The intervals given in the periodic maintenance charts should be considered as a general guide under normal riding conditions. However, ***depending on the weather, terrain, geographical location and individual use. The maintenance intervals may need to be shortened.***



CAUTION!

Some maintenance items need more frequent service if you are riding in unusually wet, sandy or muddy areas or at full throttle.

■ Hydraulic brake service

Regularly check and if necessary correct the brake fluid level.

Every two years replace the internal components of the brake master cylinder and calipers and change the brake fluid.

- Replace the brake hoses every four years and if cracked or damaged.
- Remove the carbon deposits in cylinder head, piston and exhaust system when power is obviously lower than normal.
- Perform maintenance and check when continuous abnormal misfire, after burn and overheating occur.

CLEANING AND STORAGE

Cleaning

Frequent, through cleaning of your UTV will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

1. Before cleaning the UTV:
 - a. Block off the end of the exhaust pipe to prevent water entry. A plastic bag and strong rubber band may be used.
 - b. Make sure the spark plug and all filler caps are properly installed.
2. If the engine case is excessively greasy, apply degreaser with a paintbrush. Do not apply degreaser to wheel axles.
3. Rinse the dirt and degreaser off with a garden hose. Use only enough pressure to do the job.



WARNING!

- Wet brakes may have reduced stopping ability, increasing the chance of an accident. Test the brakes after washing. Apply the brakes several times at slow speeds to let friction dry out the linings. Excessive water pressure may cause water seepage and deterioration of wheel bearing, brakes, transmission seals and electrical devices. Many expensive repair bills have resulted from improper high-pressure detergent applications such as those available in coin-operated car washers.

4. Once most of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap. AN old toothbrush or bottlebrush is handy for hand to reach places.
5. Rinse the UTV of immediately with clean water and dry all surfaces with a chamois, clean towel or soft absorbing cloth.
6. Clean the seat with vinyl upholstery cleaner to keep the cover pliable and glossy.
7. Automotive type wax may be applied to all painted and chrome plated surfaces. Avoid combination cleaner-waxes. Many contain abrasives, which may mar the paint or protective finish. When finished cleaning, start the engine and let it idle for several minutes.

Storage

Short-term

Always store your UTV in a cool, dry place and if necessary, protect it against dust with a porous cover.



WARNING!

Storing the UTV in a poorly ventilated room or covering it with a tarp while it is still wet, will allow water and humidity to seep in and cause rust. To prevent corrosion, avoid damp cellars, stables and area where strong chemicals are stored

Long-term

Before storing your UTV for several months:

1. Follow all the instructions in the “Cleaning” section of this chapter.
2. Turn the fuel cock lever to “OFF”.
3. Drain the carburetor float chamber by loosening the drain bolt; this will prevent fuel deposits from building up. Pour the drained fuel into the fuel tank.
4. Fill up the fuel tank and add fuel stabilizer (if available) to prevent the fuel from deteriorating.
5. Perform the following steps to protect the cylinder, piston rings, etc. from corrosion.
 - a. Remove the spark plug cap and spark plug.
 - b. Pour a teaspoonful of engine oil into the spark plug bore.
 - c. Install the spark plug cap onto the spark plug and then place the spark plug on the cylinder head so that the electrodes are grounded.

- d. Turn the engine over several times with the starter.
 - e. Remove the spark plug cap from the spark plug and then install the spark plug and the spark plug cap.
6. Lubricate all control cables and the pivoting points of all levers and pedals.
 7. Check and if necessary, correct the tire air pressure and then block up the UTV so that all of its wheels are off the ground. Alternatively, turn the wheels a little every month in order to prevent the tires from becoming degraded in one spot.
 8. Cover the muffler outlet with a plastic bag to prevent moisture from entering it.
 9. Remove the battery and fully charge it. Store it in a cool, dry place and charge it once a month. Do not store the battery in an excessively cold or warm place less than 0°C or more than 30°C.
 10. Make necessary repairs before storing the UTV.

TROUBLESHOOTING

Contact your dealer for service if you're unable to identify solutions using the following charts.

Engine doesn't turn over

Possible cause	Solution
Tripped circuit breaker	Reset the breaker
Low battery voltage	Recharge battery to 12.5 VDC
Loose battery connections	Check all connections and ignition
Loose solenoid connections	Check all connections and ignition

Engine turns over but fails to start

Possible cause	Solution
Out of fuel	Refuel
Clogged fuel filter	Inspect and clean or replace
Water is present in fuel	Drain the fuel system and refuel
Fouled or defective spark plug	Inspect plug, replace if necessary
Crankcase filled with water or fuel	Immediately see your dealer
Clogged fuel filter	Replace the filter
Low battery voltage	Recharge battery to 12.5 VDC
Mechanical failure	See your dealer

Engine pins or knocks

Possible cause	Solution
Poor quality or low octane fuel	Replace with recommended fuel
Incorrect ignition timing	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs

Engine backfires

Possible cause	Solution
Weak spark from spark plugs	Inspect, clean and/or replace spark plugs
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Old or non-recommended fuel	Replace with new fuel
Incorrectly installed spark plug wires	See your dealer
Incorrect ignition timing	See your dealer
Mechanical failure	See your dealer

Engine run irregularly, stalls or misfires

Possible weak spark cause	Solution
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Water present in fuel	Replace with new fuel
Low battery voltage	Recharge battery to 12.5 VDC
Kinked or plugged fuel vent line	Inspect and replace
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control malfunction	See your dealer
Other mechanical failure	See your dealer

Possible lean mixture fuel cause	Solution
Low or contaminated fuel	Add or change fuel, clean the fuel system
Low octane fuel	Replace with recommended fuel
Clogged fuel filter	Replace filter
Incorrect jetting	See your dealer
Possible rich mixture fuel cause	Solution
Overuse of choke	Inspect, clean and/or replace spark plugs
Fuel is very high octane	Replace with lower octane fuel
Incorrect jetting	See your dealer

Engine stops or loses power

Possible cause	Solution
Out of fuel	Refuel
Kinked or plugged fuel vent line	Inspect and replace
Water present in fuel	Replace with new fuel
Overuse of choke	Inspect, clean and/or replace spark plugs
Fouled or defective spark plugs	Inspect, clean and/or replace spark plugs
Worn or defective spark plug wires	See your dealer
Incorrect spark plug gap or heat range	Set gap to specs or replace plugs
Loose ignition connections	Check all connections and tighten
Low battery voltage	Recharge battery to 12.5 VDC
Incorrect fuel	Replace with recommended fuel
Clogged air filter	Inspect and clean or replace
Reverse speed limiter malfunction	See your dealer
Electronic throttle control Malfunction	See your dealer
Other mechanical failure	See your dealer
Overheated engine	Clean radiator screen and core if equipped Clean engine exterior See your dealer

P.D.I. Date:

Odometer reading:
Dealer stamp:

1st Service Date:

Odometer reading:
Dealer stamp:

2nd Service Date:

Odometer reading:
Dealer stamp:

3rd Service Date:

Odometer reading:
Dealer stamp:

4th Service Date:

Odometer reading:
Dealer stamp:

5th Service Date:

Odometer reading:
Dealer stamp:

8th Service Date:

Odometer reading:
Dealer stamp:

9th Service Date:

Odometer reading:
Dealer stamp:

10th Service Date:

Odometer reading:
Dealer stamp:

11th Service Date:

Odometer reading:
Dealer stamp:

12th Service Date:

Odometer reading:
Dealer stamp:

13th Service Date:

Odometer reading:
Dealer stamp:

14th Service Date:

Odometer reading:
Dealer stamp:

15th Service Date:

Odometer reading:
Dealer stamp:

CONSUMER INFORMATION IDENTIFICATION NUMBER

Record the key identification number, vehicle identification number and model label information in the spaces provided below for assistance when ordering spare parts from Massimo dealer or for reference in case the UTV is stolen.

KEY IDENTIFICATION NUMBER:

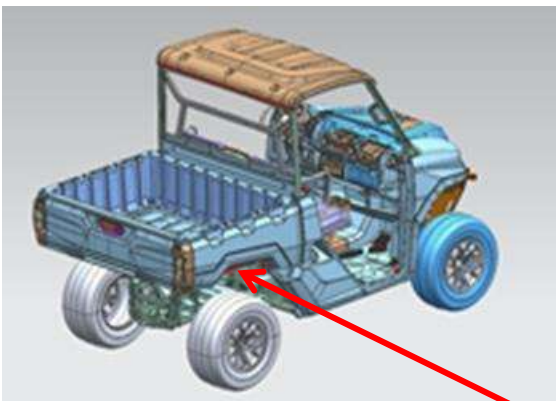
VEHICLE IDENTIFICATION (FRAME) NUMBER:

KEY IDENTIFICATION NUMBER

The key identification number is stamped into the key. Record this number in the space provided and uses it for reference when ordering a new key.



Vehicle identification (frame) number is stamped into the frame
The vehicle identification number is used to identify your UTV.



EMISSIONS CONTROL SYSTEM WARRANTY

Emission System Warranty Statement:

DISTRIBUTORS' LIMITED WARRANTIES EMISSION CONTROL SYSTEMS Your Massimo UTV complies with US EPA. Massimo provides the same warranty coverage to all UTV owners, regardless of where the UTV is registered.

Manufacturer's Warranty Coverage:

If any emissions-related part on your UTV is defective, the part will be repaired or replaced by Massimo Motor Sports Distributors. This is your emissions control system DEFECTS WARRANTY.

Owner's Warranty Responsibilities:

As the UTV owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Massimo recommends that you retain all receipts covering maintenance on your UTV, but Massimo cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. You are responsible for presenting your UTV to an Massimo's dealer as soon as a problem exists. The warranty repair should be completed in a reasonable amount of time, not to exceed thirty (30) days.

Emissions Warranty Coverage:

A qualified repair shop or person of the owner's choosing may maintain, replace, or repair emission control devices and systems with original or equivalent replacement parts. However, warranty, recall and all other services paid for by Massimo must be performed at an authorized Massimo service center. Massimo warrants to the owner of any 2024 and subsequent model year UTV that the UTV is designed, built and equipped to conform at the time of sale with all applicable emission standards and is free from defects in materials and workmanship which would cause it to fail to conform with applicable requirements during the specified time and mileage limits.

This warranty begins on the date the UTV is delivered to the first purchaser other than an authorized Massimo dealer, or the date it is first used as a demonstrator, lease, or company UTV, whichever comes first and continues for the time and mileage listed below: Your emission control system may include parts such as the carburetor or fuel injection system, ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors, and other emission related assemblies. Where a warrantable condition exists, Massimo will repair your UTV at no cost to you including diagnosis, parts and labor.

Time: 30 months

Mileage 5,000 kilometers (3,100 miles)

These warranties are given only to the owner of a 2024 and subsequent model year UTV distributed by Massimo Motor Sports Distributors.

Emission System Warranty Statement:

As the UTV owner, you should also be aware that Massimo may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications. If you have any questions regarding your warranty rights and responsibilities or

if an authorized Massimo dealer cannot repair your UTV or honor your claim within a reasonable period of time, contact Massimo Motor Sports distributors for assistance at 877-881-6376.

To qualify for coverage under the defects warranty you should operate and maintain your UTV according to the requirements of the warranty booklet, and the maintenance schedule in the owner's manual. This schedule is designed to keep your UTV emission control systems functioning properly by maintaining your UTV in peak operating condition. Failures caused by abuse or lack of required maintenance will not be covered by this warranty. Massimo recommends that only parts supplied by Massimo or equivalent parts be used to repair your UTV. Maintenance, replacement, or repair of emission control devices and systems may be done by any UTV repair establishment or individual. Massimo will only pay for warranty repairs performed at an authorized Massimo UTV repair facility (except in an emergency situation). An emergency situation exists when a Massimo dealership is not reasonably available, a warranted part is not available within thirty (30) days, or when an authorized Massimo facility is unable to complete a repair within thirty (30) days. In an emergency situation, the repair of emission control devices or system may be done by any UTV qualified repair establishment or individual, or by the owner, using any replacement part.

Massimo will reimburse you for those emergency repairs, including diagnosis, covered by the Emissions Warranties. Parts reimbursement is at the manufacturer's suggested retail price, and labor reimbursement is at a geographically-appropriate hourly labor rate for Massimo recommended time allowance. For reimbursement, present the replacement parts and a copy of the paid receipt to Massimo. The use of replacement parts not equivalent to the original parts may impair the effectiveness of your UTV emissions control systems. If such a replacement part is used in the maintenance or repair of your UTV and an authorized Massimo dealer determines it is defective or caused a failure of a warranted part, your claim for repair to bring your UTV into compliance with applicable standards may be denied. If the part in question is not related to the reason your UTV fails to meet the standards, your claim will not be denied.

Warranted Parts:

Throttle body assy, Fuel injector, Fuel pump, ECM, O2 sensor, Fuel tank, Fuel line, Fuel cap, Air intake system, Ignition system, Engine, Exhaust system and components, Spark arrestor.

24 MONTH FACTORY LIMITED WARRANTY

Massimo warrants its vehicles, sold by authorized Massimo dealers, from defects in material or workmanship for the period and under the conditions described herein.

The UTV must be purchased as new and unused by its first owner from an Authorized Massimo Dealer in the country in which the sale occurred.

If the ownership of a product is transferred during the warranty coverage period, this limited warranty, subject to its terms and conditions, shall also be transferred.

This warranty covers parts and labor charges for repair or replacement of defective parts. Parts must be genuine Massimo parts, and repairs must be performed by an authorized Massimo Dealer. Dealers must keep defective parts for 90 days following the repair, in the event that Massimo requires the part for further inspection.

WARRANTY COVERAGE PERIOD

The warranty period is limited to 24 months from the date of sale, for personal use. For emission-related components; please also refer to the US EPA Emission Related Warranty contained herein. The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

WARRANTY LIMITATIONS & EXCLUSIONS

This warranty does not cover any product which has been subjected to misuse, negligence, alteration, accident, or any abnormal usage, which shall include, but not limited to:

- a. Installation of non- Massimo genuine parts
- b. Disassembly, adjustment, or repair of the product in any way so as to affect adversely its safety or reliability.
- c. Rental
- d. Competition or racing

This warranty does not cover loss of use of the product, loss of time, inconvenience, or other consequential damage, which includes, but not limited to, loss or damage to personal property or expense of returning damaged units to Distributor or its authorized dealer. Also not covered is normal wear and tear due to use of the product, consumable components, including but not limited to the following items:

Wheels and tires, Painted or otherwise finished surfaces, Spark plugs, Filter elements, Electrical contacts, Fuses, Clutch plates, Chain and sprockets, Cables, Drive belts, Brake shoes/pads, Bulbs, Rubber parts, Cushioning material, Lubricant, Brake fluid, coolant, etc.

CONSUMER ASSISTANCE

- In the event of a controversy or dispute in connection with warranty, Massimo suggests that you try to resolve the issue at the Massimo Dealer level. We recommend discussing the issue with Massimo Distributor/Dealer's Service manager.
- If further assistances required, the Massimo Distributor service department should be contacted in order to resolve the matter.

Massimo Distributor in the US Company :

Massimo Motor Sports, LLC

Contact : 1-877-881-6376