

FOREWORD

Thanks for choosing ATV own produces as your vehicle.

This user manual provides all the details to operate and necessary maintenance procedure to perform in safety.

Please READ CAREFULLY this manual before operating the ATV.

Please also keep the following information in mind while operating the ATVs.

● PARENTS & ADULTS READ BEFORE OPERATION

Never exceed your riding capabilities.

ATV's can be hazardous to operate, avoid excessive speed, paved surfaces, sharp turns, and uneven terrain.

Always have your headlight turned on for improved daylight detection and visibility.

This vehicle is an ADULT VEHICLE ONLY. Operation is prohibited for anyone under 16 years of age.



AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE. An ATV handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving 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 ATV without proper instruction. **Take a training course.** Beginners should receive training from take training.
- Never allow anyone under 16 years of age to operate this ATV.
- Never permit a guest to operate this ATV unless the guest has read this manual and all product labels, and has completed a certified training course.
- Always avoid operating an ATV on sidewalks, driveways, and parking lots.
- Never operate an ATV on a dirt road or gravel one.
- Never operate an ATV without wearing an approved helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long sleeve shirt or jacket, and long pants.

- Never consume alcohol or drugs before while operating this ATV.
- Never operate at excessive speeds. Always travel at a speed that is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps or other stunts.
- Always inspect your ATV each time you use it and you 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 handlebars and both feet on the footrests of the ATV during operation.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Always have the ATV checked by an authorized dealer if it has been involved in an accident.
- Never operate the ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.

- Always follows 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 or make sudden gear changes. Never go over the top of any hill at high speed.
- Always follows 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 follows 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 ATV. Never attempt to turn the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, 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 either side if pointed straight uphill. Turn the ATV 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 of skidding or sliding. On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Avoid operating the ATV through deep or fast flowing water. If you can not avoid water which exceeds the recommended maximum depth (below the footrest), go slowly, balance your weight carefully avoiding sudden movements, maintain a slow and steady forward motion, do not make sudden turns or stops, and do not make sudden throttle changes.
- 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. Avoid turning at sharp angles in reverse.
- Always use size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify an ATV through improper installation or use accessories.
- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo. Allow greater distance for braking.

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SPECIFICATIONS

ITEM	AT77	
Rider Capacity	1(OFF ROAD)/ 2(ON ROAD)	
Displacement	313 cc	346 cc
Bore (standard) / Stroke	78mm×65.6mm	82mm×65.6mm
Engine type	4 Stroke Shaft driven Simple Overhead Camshaft	
Special feature	Crankshaft driven Balancer Shaft	
Cooling	Water Cooled	
Number of cylinder	1 Vertical position	
Differential gear oil	230ml / (SEA 80W/90)	
Final gear oil	150ml / (SEA 80W/90)	
Engine Oil Capacity	1800ml / (SEA 0w/50)	
Transmission Oil Capacity	1200ml / (SEA 80W/90)	
Fuel capacity	12.7L / (unleaded Gasoline)	

SPECIFICATIONS

Starting	Electric with recoil-start backup	
Transmission	Automatic (C.V.T system with E-Z shift L/F/N/R)	
Spark plug	NGK DPR7EA-9	NGK CR8E
Parking Brake	Mechanical Lock	
Front/Rear Brakes	Disc /Disc	
Brake Oil type	DOT 4	
Front tires/PSI	25×7-12 or 23×7-12/7psi	
Rear tires/PSI	25×10-12 or 23×10-12/7psi	
Front/Rear Suspension	Double wishbone/Swing arm	
Wheel Base	1200 mm	
Dry Weight	278 kg	
Length	2060 mm	
Width	1050 mm	
Height	1130 mm	

SPECIFICATIONS

Battery	12V 12AH
MAX. Load	173kg
Right/left signal ass'y	12V/10W
Tail light /Brake light	12V 5W/21W
License bulb	12V/5W
Head light bulb	12V/5W
High /Low beam ass'y	12V 35W/35W

PERIODICAL CHECK & SERVICES

Item		Maintenance Interval (whichever comes first)			Remarks
		Hours	Calender	Miles(Km)	
◆	Engine breather filter (if equipped)	25H	6 M	250 (400)	Inspect; replace if necessary
	Engine breather hose	100H	3 M	1000 (1600)	Inspect
◆	General lubrication	50H	6 M	500 (800)	Lubricate all fittings, pivots, cables, etc.
	Shift Linkage	50H	6 M	500 (800)	Inspect, lubricate, adjust
◆	Steering	50H	6 M	500 (800)	Inspect daily, Lubricate
■					
◆	Front suspension	50H	6 M	500 (800)	Inspect, lubricate, Tighten Fasteners
◆	Rear suspension	50H	6 M	500 (800)	Inspect, lubricate, Tighten Fasteners
	Carburetor float bowl	50H	6 M	500 (800)	Drain bowl periodically and prior to storage
■	Throttle Cable/ETC Switch	50H	6 M	500 (800)	Inspect; adjust; lubricate; replace if necessary
■	Choke cable	50H	6 M	500 (800)	Inspect; adjust; lubricate; replace if necessary
	Carburetor air intake ducts/flange	50H	6 M	500 (800)	Inspect ducts for proper sealing/air leaks
	Drive belt	100H	12 M	1000 (1600)	Inspect; adjust; replace as needed
	Cooling system (if applicable)	50H	6 M	500 (800)	Inspect coolant strength seasonally; pressure test system yearly

PERIODICAL CHECK & SERVICES

◆	Engine oil change *Severe Duty **Normal Duty	25H 50H	6 M 12 M	500 (800) 1000 (1600)	Perform a break-in oil change at 25 hours/one month, change more frequently during cold weather
◆	Engine oil change *Severe Duty **Normal Duty	25H 50H	6 M 12 M	500 (800) 1000 (1600)	Replace at oil change
◆	Oil filter change	100H	6 M	1000 (1600)	Replace with oil change
◆	Valve clearance	100H	12 M	1000 (1600)	Inspect; adjust
■	Fuel system	100H	12 M	1000 (1600)	Check for leaks at tank cap, lines, fuel valve, filter, pump, carburetor; replace lines every two years
■	Fuel filter	100H	12 M	1000 (1600)	Replace yearly
◆	Radiator (if applicable)	100H	12 M	1000 (1600)	Inspect; clean external surfaces
◆	Cooling hoses (if applicable)	100H	12 M	1000 (1600)	Inspect for leaks
◆	Engine mounts	100H	12 M	1000 (1600)	Inspect
	Exhaust muffler/pipe	100H	12 M	1000 (1600)	Inspect
■	Spark plug	100H	12 M	1000 (1600)	Inspect; replace as needed

PERIODICAL CHECK & SERVICES

■	Ignition Timing	100H	12 M	1000 (1600)	Inspect
◆	Wiring	100H	12 M	1000 (1600)	Inspect for wear, routing, security; apply dielectric grease to connectors subjected to wear, mud, etc.
■	Clutches (drive and driven)	100H	12 M	1000 (1600)	Inspect; clean; replace worn parts
■	Front wheel bearings	100H	12 M	1000 (1600)	Inspect; replace as needed
■	Brake fluid	200H	24 M	2000 (3200)	Change every two years
	Spark arrestor	300H	36 M	3000 (4800)	Clean out
	Idle speed				Adjust as needed
■	Toe adjustment				Inspect periodically; adjust when parts are replaced
◆	Auxiliary brake	Pre-Ride			Inspect daily; adjust as needed
■					
	Headlight aim				Adjust as needed

◆ Perform these procedures more often for vehicles subjected to severe use.

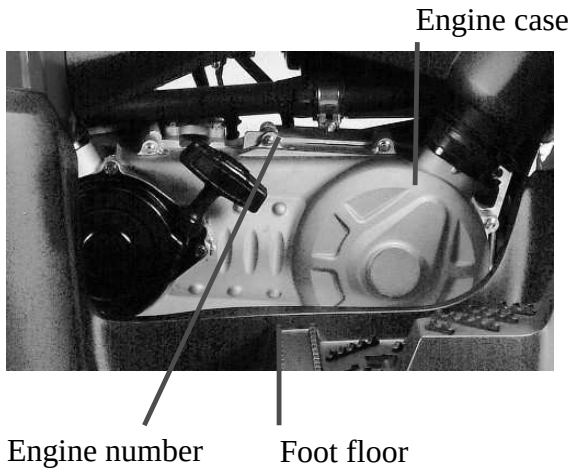
■ Have an authorized dealer perform these services.

KNOW YOUR ATV

VEHICLE IDENTIFICATION NUMBERS

Record these numbers from your ATV in the spaces provided.

1. Engine service number (left side of engine crankcase)
2. Frame VIN (found on the right of frame below steering post)



CONTROL AND PARTS FUNCTIONS

Left Brake Lever

Speedometer

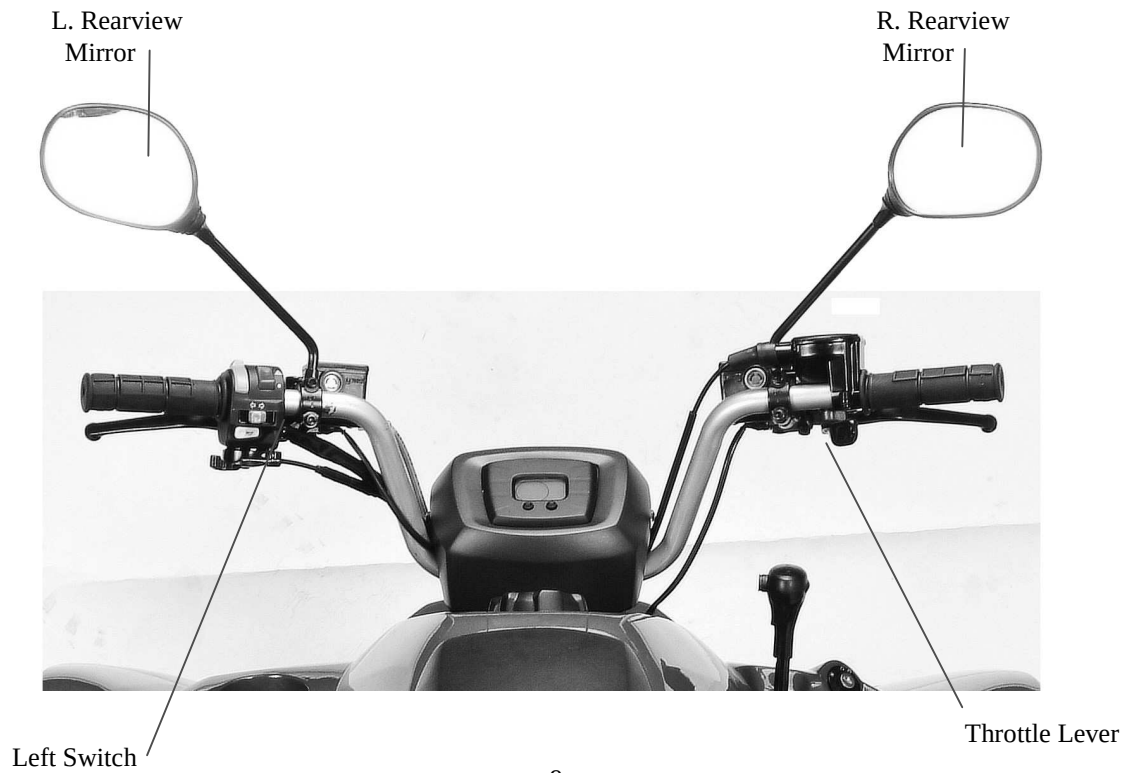
Right Brake



Left Switch

Throttle Lever

CONTROL AND PARTS FUNCTIONS (ON ROAD)



CONTROL AND PARTS FUNCTIONS

SPEEDOMETER



(1). Switch button

(2). Left direction light

(3). L stick Instruction light

(4). N stick Instruction light

(5). Warning light

(6). Return zero button

(7). Right direction light

(8). High beam light

(9). LCD Display panel

(10). R stick Instruction light

CONTROL AND PARTS FUNCTIONS (ON ROAD VERSION)

Horn Button

- Turn on main switch and press the horn button.
It will sound.

**WARNING**

Do not press the horn button in the “silent zone”



Main Switch

- 
 - To start the engine
 - The key can not be taken out
- 
 - To turn off the engine
 - The key can be taken out
- 
 - To turn on the head light
 - The key can not be taken out



CONTROL AND PARTS FUNCTIONS (ON ROAD VERSION)

Left Switch

Electric Starter Switch

- Press the switch to start engine

**WARNING**

Do not push the starter again when the engine is already running.



High Beam and Low Beam Switch

- Turn the main switch to  position, and the headlight will be on.



CONTROL AND PARTS FUNCTIONS (OPTION)

Emergency Switch

- When you operate the ATV and meet with the emergent situation. You can turn on the emergency light, and park the vehicle in safe area.

! WARNING
Do not turn on the headlight when turn on the emergency light.



Turn Signal Switch

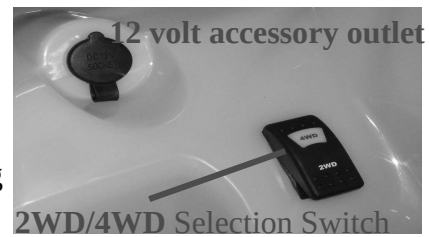
- Turn on the turn signal before you want to turn left or right.



CONTROL AND PARTS FUNCTIONS

2WD/4WD Selection Switch (4WD Only)

The 2WD/4WD selection switch is used for changing the manner in which engine power is supplied to the wheels. Select 2WD/4WD according to surface conditions.



Throttle Lever

Accelerate:

Press the throttle lever for acceleration

Decelerate:

Release the throttle lever for deceleration

The spring of the lever will return to the position prior pressing and the vehicle will stop accelerating automatically.

Throttle Lever



Accelerating



There is a bolt on throttle box, which is designed to limit the throttle open degree. If the bolts are tightened, the open degree of the throttle will be limited.
Always accelerate slowly; speed too quickly will be danger.

CONTROL AND PARTS FUNCTIONS

Recoil Starter

If the battery is weak and can't start the engine, recoil-start lever which is on the left hand side of the machine will allow vehicle operation until repairs can be made.

1. Be certain your vehicle is on a level surface and the parking brake is set.
2. Turn the key to "ON" and make sure the stop switch is in the "RUN" position.
3. Placing your hand on the recoil-starter, quickly pull the recoil-starter to start the engine.
4. Once the engine has started, loose the recoil-starter lever back in to place.



A

CONTROL AND PARTS FUNCTIONS

Transmission Gear Selector Operation

The transmission gear selector is located on the right side of the vehicle. The transmission selector lever has three positions: Low, High, Neutral and Reverse. “H” ---> “L” Push in the shift lever knob and mover the lever forward.

“N” ---> “R” Push in the knob and mover the lever backward

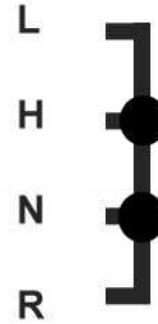
To change gears, stop the vehicle hold the rear brake lever and with the engine idling, move the level to the desired gear.

Always place the transmission in gear with the parking brake locked whenever the vehicle is left unattended.



Knob

Shift Patterns



⚠ WARNING

Do not attempt to shift gears with engine speed above idle or while the vehicle is moving.

Maintaining shift linkage adjustment is important to assure proper transmission function. Should you experience any shifting problem see your dealer.

CONTROL AND PARTS FUNCTIONS

- If you can't change the gears, please not to change by force. You can try to change gears in the neutral position then press throttle a little. The gear should be change.
- When the shift in forward or reverse position, you can't start engine, if you want to start engine the shift must in neutral position.

WARNING

1. Do not attempt to shift the transmission while the vehicle is moving or while operating on hilly terrain.
2. Always place the transmission in gear with the parking brake applied and turn the vehicle off whenever the vehicle is left unattended.
3. For the safety, when you shift gear to reverse, you must hold the left brake lever. If you do not to this, the engine will stop immediately. When you restart engine again, you must turn engine stop switch to "OFF" "ON" repeat.

CONTROL AND PARTS FUNCTIONS

Front and Rear Brakes

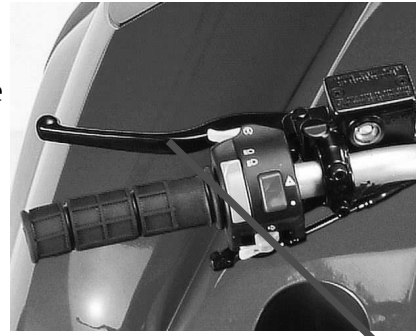
Free Play of Brake Lever

- Check the free play of front and rear lever. The normal free play of brake lever is between 10~20 mm
- For rear brake: You can adjust the brake by adjusting the nut to proper free play and brake situation.

Caliper bolt torque: 42 Nm

Rear brake hose bolt torque: 20 Nm

- **Rear brake fluid refilling method:**
 1. Take off the cover.
 2. Refilling the recommended DOT-3 brake fluid until the level reaches the upper limit.
 3. Put on the cover and tighten.



Rear brake lever



CONTROL AND PARTS FUNCTIONS

- For front R/L brake: the adjusters are on the brake lever. You can adjust the brake lever by turning the adjuster.

Auxiliary Brake

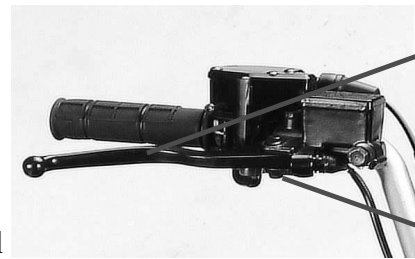
- Your ATV has an auxiliary brake as a safety feature. It is located on the inside of the right floor board and is operated by the right foot. It is intended as a backup to the main brake system, especially if the main system becomes inoperative.

Disc Brake

- The ATV has a single disc brake on rear axle. Check the operation of rear brake pedal and brake function before each riding. Be sure to check periodically the brake shoes. If the brake shoe is worn to the wear limit, have a local dealer replace a new brake shoe.
- Always test brake lever travel and reservoir fluid level before riding.

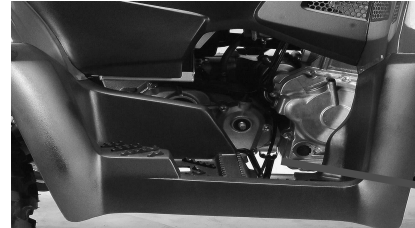
Final drive sprocket bolt torque: 155 Nm

Rear brake disk nut torque: 29 Nm

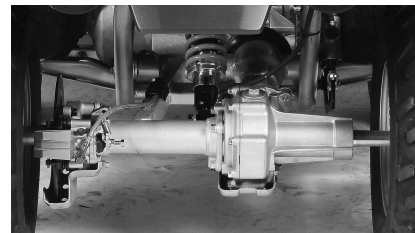


Front brake lever

Front R./L. Brake Adjuster



Auxiliary Brake



CONTROL AND PARTS FUNCTIONS

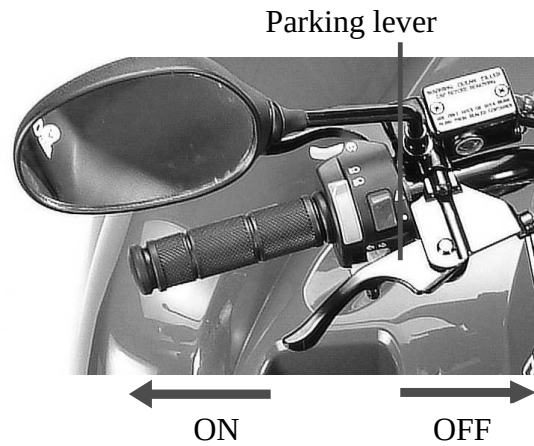
Parking Brake



Always check to be sure that parking brake has been disengaged before operating the ATV. An accident could result causing severe injury if the parking brake is left on while ATV is operated.

Setting the Parking Brake

1. Push the Parking lever to the left..
2. To release the parking brake lock, Push the Parking lever to the right. The parking brake will release automatically.



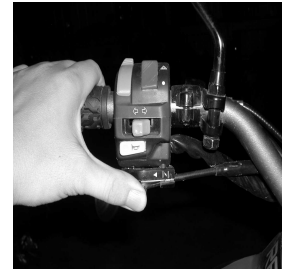
CONTROL AND PARTS FUNCTIONS

Manual Choke lever

The choke lever is located on the bottom of the left handlebar. The choke is used when starting a cold engine.

Push the choke lever to the left before starting the engine.

When the engine starts, gradually return the choke lever to the OFF position as the engine warms up and runs smoothly.



STEERING LOCK (ON ROAD ONLY)

The steering lock is located under the front fender.

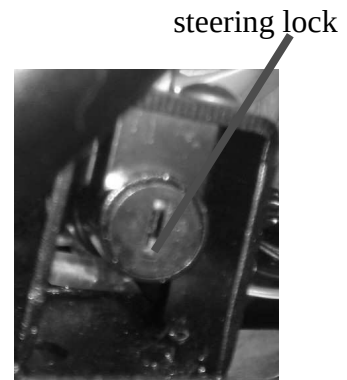
Use the key at this position, handle bar is locked to prevent pilferage.

Turn the handle bar to left side, turn the key to right.

Thus the handle bar is locked and key can be removed.

Steering shaft hold torque: 25 Nm

Steering shaft torque: 60 Nm



CONTROL AND PARTS FUNCTIONS

Important Safeguards

NOTE: Always lock the park brake before starting the engine.

Always lock the parking brake whenever the vehicle is left unattended.

Before starting the engine, make certain the park brake is fully locked.

Once the engine has warmed enough for operation, release the park brake and gently apply the throttle to go forward or reverse.

CONTROL AND PARTS FUNCTIONS

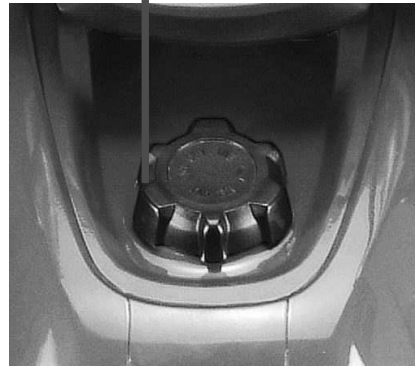
Engine Fuel and Oil System

Fuel System

The fuel tank filler cap is located directly behind the handlebar. The tank has a capacity of 12.4 liters. Use unleaded gasoline with a minimum pump octane of 87 octane

The ATV is equipped with an in-line fuel filter. This filter should be replaced by your dealer after every 100 hours of operation or annually. Do not attempt to clean the fuel filter.

Fuel tank cap



CAUTION

Use only appointed gasoline. Never substitute spec of gasoline. Serious engine damage and voiding of warranty can result.

WARNING

Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always refuel with the engine stopped and outdoors or in a well-ventilated area.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.
- Do not over fill the tank. Do not fill the tank neck.
- If you get gasoline on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Never start the engine or left it run in a closed area. Gasoline powered engine exhaust fumes are poisonous and can cause loss of consciousness and death in a short time.

CONTROL AND PARTS FUNCTIONS

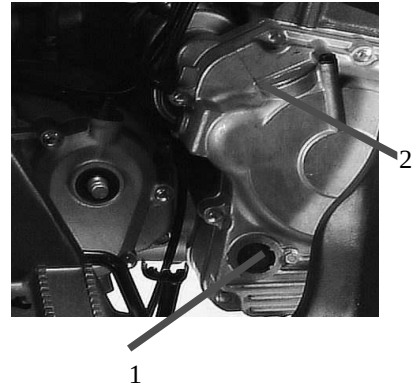
Engine Oil System

A. Engine Oil Check :(Refilling or change)

1. Position the vehicle on a flat surface.
2. View the oil level through the sight glass (1) on the right side of the vehicle.

NOTE: A rising oil level between checks in cool weather driving can indicate contaminants such as gas or moisture collecting in the crankcase. If the oil level rises to the top of the sight glass, change the oil immediately.

3. Remove the fill plug (2) and add the recommended oil as needed.
4. Reinstall the fill plug.



CONTROL AND PARTS FUNCTIONS

Engine Oil Change

Change the engine oil at first 30 hours and change it at each 100 hours.

The capacity of engine oil is 1.8L at change situation.

Change Method:

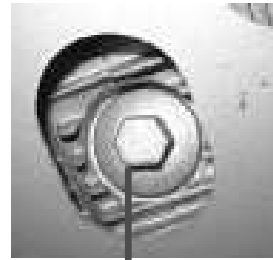
1. Remove the oil drain bolt and drain the oil.
2. Remove the filter and clean it.
3. Wipe the drain bolt, clean and reinstall it.
4. Refill the engine oil about 1.8L
5. Warm-up the engine and check the oil level again after the engine is stopped about one minute.

The drain bolt torque: 19 Nm

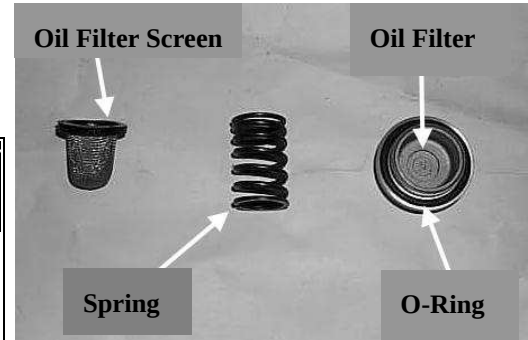
!ATTENTION

Uses the SAE 15W/40 engine oil and the oil level shall be not excess the upper limit.

If the ATV often were ridden on the macadam road, short distance or keep in the idle speed for a long time then the engine oil should be changed more frequent.



Oil drain bolt



CONTROL AND PARTS FUNCTIONS

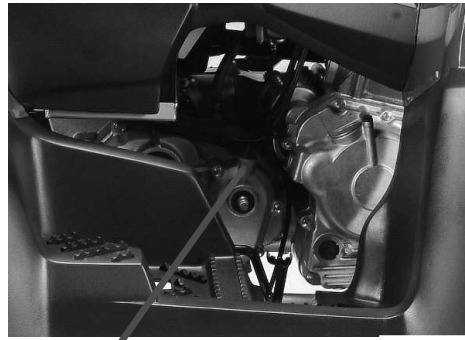
Gear Oil Change:

Change the gear oil at first 30 hours and change it at each 200 hours. The recommended gear oil is SAE 85W-140.

Change Method:

1. Remove the drain plug and draining the oil.
2. Clean the drain plug and reinstall it.
3. Refill the gear oil into the gearbox slowly.
4. Firmly, tighten the plug again.

The drain bolt torque: 24 Nm



Gear oil inner hole

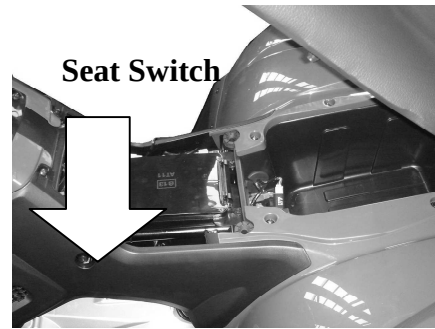
Drain plug



CONTROL AND PARTS FUNCTIONS

Seat

The seat switch locates at the left side of panel side. If you want to take the seat turn right seat key open the seat.



Tool Set

The tool set locate under the seat;
The tool set includes spark tool and screwdriver.

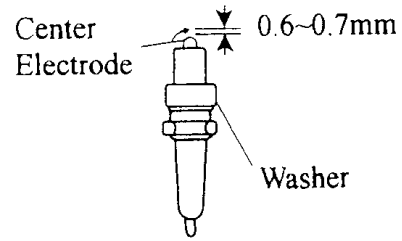
Warning

Do not ride this vehicle without battery properly installed. Riding the ATV without battery where the connector of cable may cause short-circuit and result the vehicle get fired.

CONTROL AND PARTS FUNCTIONS

Spark Plug

- Fouling deposit on the spark plug electrodes, and the big gap may result incomplete sparking. The normal gap of electrode is between 0.6~0.7mm.
- The standard type of spark plug is NGK DPR7EA-9 or CR8E (346 c.c.)



12 VOLT ACCESSORY OUTLET

A 12-volt accessory outlet is located on the left side of the vehicle.

- Always start ATV engine before inserting any accessory into the plug.
- Always remove your accessory when not in use or the engine is stopper.



CONTROL AND PARTS FUNCTIONS

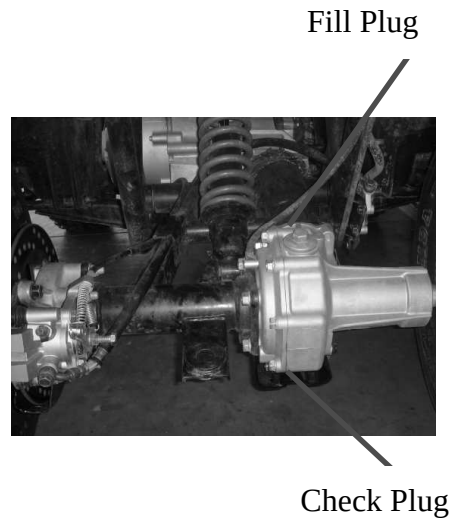
Rear Gearcase Lubrication

The rear gearcase lubricant level should be checked and changed in accordance with the maintenance schedule.

- Be sure vehicle is level before proceeding.
- Check vent hose to be sure it is routed properly and unobstructed.

Oil Level Check

1. Position the vehicle on a level surface.
2. Remove the check plug and view the oil level.
The oil level should be at the bottom of the check plug threads.
3. Remove the fill plug. Add the recommended oil as needed.
4. Reinstall the fill plug. Torque to specification.
5. Reinstall the check plug and a new sealing washer. Torque to specification.
6. Check for leaks.



Changing the differential/final gear oil

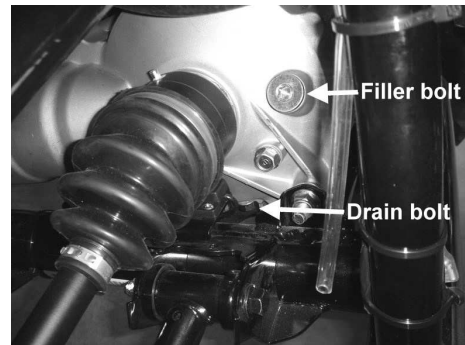
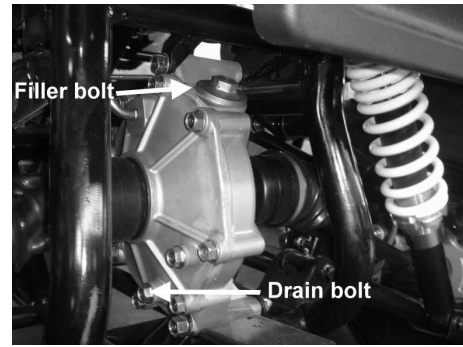
1. Place the vehicle on a level surface.
2. Place a container under the differential/final gear case to collect the used oil.
3. Remove the oil filler bolt and the drain bolt to drain the oil.
4. Install the drain bolt, and then tighten it to the specified torque.
5. Add the recommended differential/final gear oil up to the brim of the filler hole.
6. Install the oil filler bolt, and then tighten it to the specified torque.
7. Check for oil leakage. If oil leakage is found, check for the cause.

The recommended gear oil is SAE 80W-90

Refill the differential gear oil about 230 ml

Refill the final gear oil about 150 ml.

The filler/drain bolt torque: 24 Nm



CONTROL AND PARTS FUNCTIONS

Air Cleaner

Please change the air cleaner filter periodically by dealer every 50 hours.

Battery

While installing the battery, the red wire must be connected to (+) terminal and the black wire must be connected with (-) terminal.

If the ATV will not be operated for a longer time, please this connect terminals.

WARNING

Do not allow cleaning solution or tap water to enter the battery. It will shorten the life of the battery.



+

-

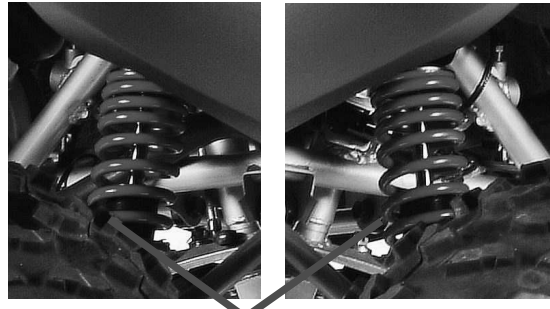
CONTROL AND PARTS FUNCTIONS

Suspension

Front suspension

The front R/L side suspensions can be adjusted to the proper damper.

Turning the adjuster of the suspension to the proper damper.



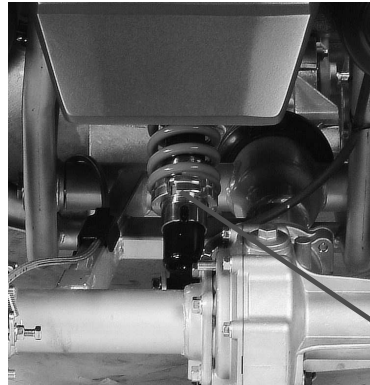
Adjust Position

Front suspension nut torque: 40 Nm

Rear Suspension

The rear suspension can be adjusted to the proper damper for drivers.

Rear Suspension nut torque: 40 Nm



Adjust Position

CONTROL AND PARTS FUNCTIONS

Tires

The front tires specification is 22×7-10 or 23×7-12 or 25×7-12, the rear tires specification is 22×10-10 or 23×10-12 or 25×10-12. The suggested tire pressure is 7 psi; for all kind of specification. Please check the tire pressure before you operated the vehicle.

Coolant

If the coolant level becomes low, the engine overheats and may suffer damage. Check the coolant level each day before operating the vehicle, and replenish coolant if the level is low.

Coolant Level Inspection

1. Situate the vehicle on level ground.
2. Check the coolant level through the coolant level gauge on the reserve tank.

The coolant level should be between the "Full" and "ADD" marks.



OPERATION WARNINGS



POTENTIAL HAZARD

Operating this ATV without proper instruction.

WHAT CAN HAPPEN

The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THE HAZARD

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

For more information about the training course, contact an authorized ATV dealer.

OPERATION WARNINGS



POTENTIAL HAZARD

Failure to follow the age recommendations for this ATV.

WHAT CAN HAPPEN

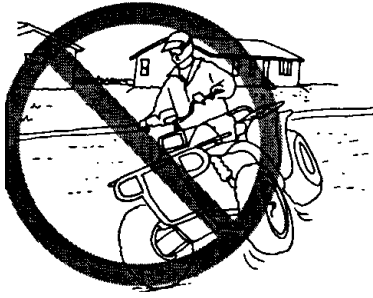
Use by children of ATVs that are not recommended for their age can lead to severe injury or death of the child.

Even though a child may be within the age group for which some ATVs are recommended, he or she may not have the skills, abilities, or judgment needed to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THE HAZARD

Follow the age guideline.

WARNING



POTENTIAL HAZARD

Operating this ATV on paved surface, including Sidewalks, paths, parking lots, and driveways.

WHAT CAN HAPPEN

The ATV tires are designed for off-road use. Paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to go out of control.

HOW TO AVOID THE HAZARD

Avoid operating the ATV on pavement whenever possible. If you must ride on a paved surface, go slowly and do not make sudden turns or stops.

WARNING (OFF ROAD)

POTENTIAL HAZARD

Operating this ATV on public streets, roads, or highways.

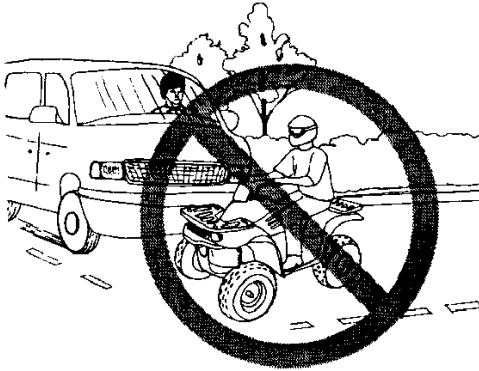
WHAT CAN HAPPEN

You can collide with another vehicle.

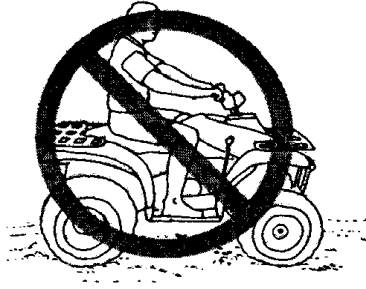
HOW TO AVOID HAZARD

Never operate this ATV on any public street, road or highway, even a dirt or gravel one.

In many states it is illegal to operate ATVs on public streets, road and highways.



WARNING



POTENTIAL HAZARD Operating this ATV without wearing an approved helmet, eye protection and protective clothing.

WHAT CAN HAPPEN Operating without an approved helmet increases your chances of a severe head injury or death in event of an accident. Operating without eye protection can result an accident and increases your chances of a severe injury in the event of an accident.

HOW TO AVOID THE HAZARD Always wear an approved helmet which fits properly. You should also wear: eye protection (goggle or face shield); gloves; boots; long-sleeved shirt or jacket; and long pants.

OPERATION WARNINGS



POTENTIAL HAZARD

Operating this ATV after consuming alcohol or drugs.

WHAT CAN HAPPEN

Could seriously affect your judgment.

Could cause you to react more slowly.

Could affect your balance and protection.

Could result in an accident.

HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while driving this ATV.

OPERATION WARNINGS



POTENTIAL HAZARD

Operating this ATV at excessive speeds.

WHAT CAN HAPPEN

Increases your chances of losing of the ATV, which can result in an accident.

HOW TO AVOID THE HAZARD

Always travel at a speed which is proper for the terrain, visibility and operating conditions; and your experience.

WARNING



POTENTIAL HAZARD

Carrying a passenger on the rear rack.

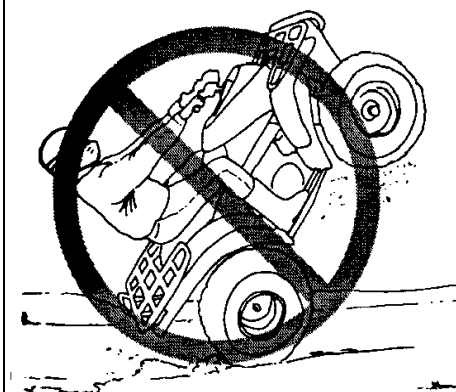
WHAT CAN HAPPEN

A passenger riding on the rear rack Could be ejected from the vehicle unexpectedly or may contact moving components, both of which can result in severe injury or death.

HOW TO AVOID HAZARD

Never allow passengers to ride on the rear rack.

WARNING



POTENTIAL HAZARD

Attempting wheel, jumps and other stunts.

WHAT CAN HAPPEN

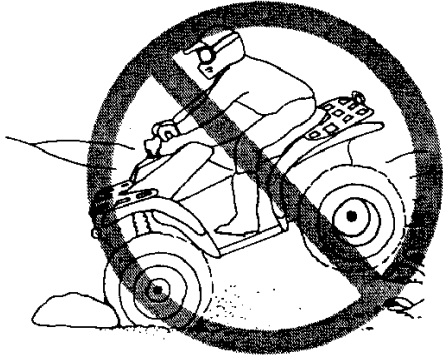
Increases the chance of an accident, including an overturn.

HOW TO AVOID THE HAZARD

Never attempt stunts, such as wheels or jumps.
Don't try to show off.

OPERATION WARNINGS

WARNING



POTENTIAL HAZARD

Failure to use extra care when operating this ATV on unfamiliar terrain.

WHAT CAN HAPPEN

You can come upon hidden rocks, bumps, or holes, without enough time to react.

Could result in the ATV overturning or going out of control.

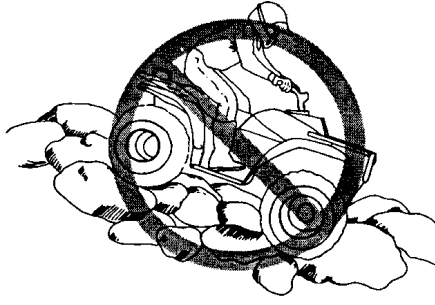
HOW TO AVOID THE HAZARD

Go slowly and be extra careful when operating on unfamiliar terrain.

Always be alert to changing terrain conditions when operating the ATV.

OPERATION WARNINGS

WARNING



POTENTIAL HAZARD

Failure to use extra care when operating on excessively rough, slippery or loose terrain.

WHAT CAN HAPPEN

Could cause loss of terrain or vehicle control, which could result in an accident, including an overturn.

HOW TO AVOID HAZARD Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the ATV on such terrain.

Always be especially caution on these kind of terrain.

OPERATION WARNINGS



POTENTIAL HAZARD

Turning improperly

WHAT CAN HAPPEN

ATV could go out of control, causing a collision or overturn.

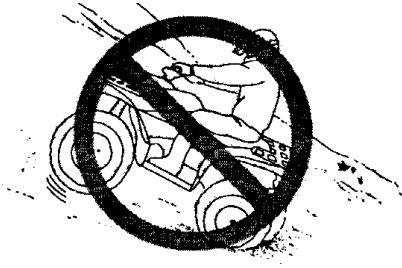
HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described in the Owner's Manual.

Practice turning at low speeds before attempting to turn at faster speeds.

Do not turn at excessive speed.

WARNING



POTENTIAL HAZARD

Climbing hills improperly

WHAT CAN HAPPEN

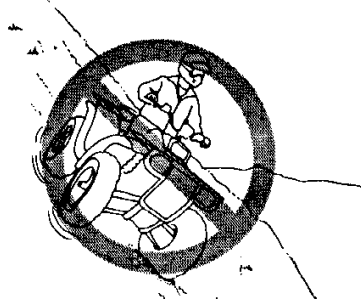
Could cause loss of control or cause ATV to overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing hills as described in the Owner's Manual. 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 ATV 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.

WARNING



POTENTIAL HAZARD

Going down a hill improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause ATV to overturn

HOW TO AVOID THE HAZARD

Always follow proper procedures for going down hills as described in the Owner's Manual. **NOTE:** A special technique is required when braking as you go downhill. Always 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 which would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

WARNING



POTENTIAL HAZARD

Improperly crossing hills or turning on hills.

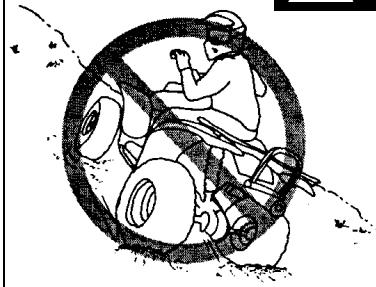
WHAT CAN HAPPEN

Could cause loss of control or cause ATV to overturn.

HOW TO AVOID THE HAZARD

Never attempt to turn the ATV 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.

Avoid crossing the side of a hill: Always follow proper procedures as described in the Owner's Manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV.



! WARNING

POTENTIAL HAZARD

Stalling, rolling backwards or improperly dismounting while climbing a hill.

WHAT CAN HAPPEN: Could result in ATV overturn.

HOW TO AVOID THE HAZARD

Maintain steady speed when climbing a hill.

If you lose all forward speed: Keep weight uphill. Apply the brakes. Lock parking brake after you are stopped.

If you begin rolling backwards: Keep weight uphill; never apply engine power. Never apply the rear brake while rolling backwards. Apply the front brake slowly by squeezing the RH lever. When fully stopped, apply rear brake as well, and then lock parking brake. Dismounting on uphill side, or to either side if pointed straight uphill.

Turn the ATV around and remount, following the procedure described in the Owner's Manual.

OPERATION WARNINGS



POTENTIAL HAZARD

Skidding or sliding.

WHAT CAN HAPPEN

You may lose control of the ATV.

You may also regain traction unexpectedly, which may cause the ATV to overturn.

HOW TO AVOID THE HAZARD

On slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.

OPERATION WARNINGS



POTENTIAL HAZARD

Improperly operating over obstacles.

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles.

Use extreme caution when riding over large obstacle, such as large rocks or fallen trees.

If you cannot avoid obstacles, always follow proper procedures as described in the Owner's Manual.

OPERATION WARNINGS



POTENTIAL HAZARD

Riding on frozen lakes and rivers.

WHAT CAN HAPPEN

Severe injury or death can result if the ATV and/or the operator break through the ice.

HOW TO AVOID THE HAZARD

Never ride your ATV on a frozen body of water before you are sure the ice is thick enough and sound enough to support the machine and its operator, as well as the force that is created by a moving vehicle.

OPERATION WARNINGS



POTENTIAL HAZARD Operating this ATV through deep or fast flowing water.

WHAT CAN HAPPEN

Tires may float, causing loss of traction and loss of control, which could lead to an accident.

HOW TO AVOID THE HAZARD

Avoid operating the ATV through deep or fast flowing water. If you cannot avoid water which exceeds the recommended maximum depth, go slowly, balance your weight carefully avoiding sudden movement, maintain a slow and steady forward motion, do not make sudden turns or stops, and do not make sudden throttle changes.

Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

OPERATION WARNINGS



POTENTIAL HAZARD

Operating this ATV with improperly tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, and increases the risk of an accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified the Owner's Manual Supplement for this vehicle.

Always maintain proper tire pressure as described in the Owner's Manual Supplement.

OPERATION WARNINGS



POTENTIAL HAZARD

Overloading this ATV

WHAT CAN HAPPEN

Could cause changes in vehicle handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this ATV.

Cargo should be properly distributed and securely attached.

Warning

Do not ride this vehicle without battery properly installed.

Riding ATV without battery may cause short-circuit and result the vehicle get fired.

OPERATION WARNINGS

WARNING

After a rollover or an accident, have a qualified service dealer check the complete machine including, but not limited to, brakes, throttle and steering for possible damage.

WARNING

Safe operation of this rider active vehicle requires good judgment and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of overturns and loss of control which could result in severe injury or death.

OPERATION WARNINGS



POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situations could lead to an accident.

HOW TO AVOID THE HAZARD

Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be designed for use on this ATV; and should be installed and used according to instructions. If you have questions, consult an authorized dealer.

DAILY PRE-RIDE INSPECTION



WARNING

This ATV must be inspected each time before riding to ensure it is in proper working order. If proper inspection is not done, service injury or death could result.

Use the following checklist to verify your machine is in proper working order each time you ride.

Item/Inspection Procedure

1. Tires-check condition and pressure.
2. Fuel and oil tanks-fill both tanks to their proper levels.
3. All brakes-check operation, adjustment.
4. Throttle-check for free operation and closing
5. Brakelight-check for proper operation.

DAILY PRE-RIDE INSPECTION

6. Engine stop switch-check for proper function.
7. Wheels-check for tightness of wheel nuts and axle nuts; check that axle nuts are secured by cotter pins.
8. Drive chain-condition and slack; refer to drive chain adjustment.
9. Air cleaner element-check for dirt; clean or replace.
10. Steering-check for free operation noting any unusual looseness in any area.
11. Loosen parts-visually inspect vehicle for damaged components or loose nuts, bolt or fasteners.
12. Operators helmet, goggles and clothing.

CORRECT WAY DRIVING

Inspection

Inspect the following items before operating the ATVs:

- Check the fuel level
- Check the oil level (if the oil lamp keep flashing, please refill oil)
- Check the tire pressure
- Check the brake operating situation
- Check the throttle lever movement
- Check the drive chain
- Check the steering system
- Check all the bolts, nut...etc

Start Engine

- Park the vehicle on the flat ground
- Turn the main switch to “ON” position
- Turn the engine stop switch to “ON” position
- Hold the brake lever, press the electric start switch and push the throttle lever slightly at the same. (You could start the engine by using the start kicker, too.)

CAUTION

- Start the vehicle at an open area because the exhaust gases contain HC, CO...etc which could damage human health.
- Make sure the fuel cup is turned to the “ON” position before starting the vehicle.

CORRECT WAY DRIVING

Operating

For your safety concern, please operate the vehicle on an open and safe area.

Never allow anyone under 16 years of age to operate this ATV.

- Start the engine and warm it up for few minutes
- Release the parking brake and press the throttle lever. You could accelerate by pressing the throttle lever and decelerate by release the throttle lever.

CAUTION

When a brake new vehicle is operated during the first or second week, operators do not drive too fast. The compete run-in process will enhance the performance and durability of the vehicle.

Turning

Rider must learn how to move the center of gravity of his body and how to control the throttle lever when trying to make turns. For example, if the rider wants to turn to turn to the right, he must move his body to right side and maintain the throttle keep the output power.

CORRECT WAY DRIVING

Parking

- Park the vehicle on the level ground
- Stop the engine by turning the main switch to proper position. (If you stop the engine by pushing the engine stop switch, please turn the main switch to “OFF” position, too.)
- Lock the rear brake by operating the parking brake.

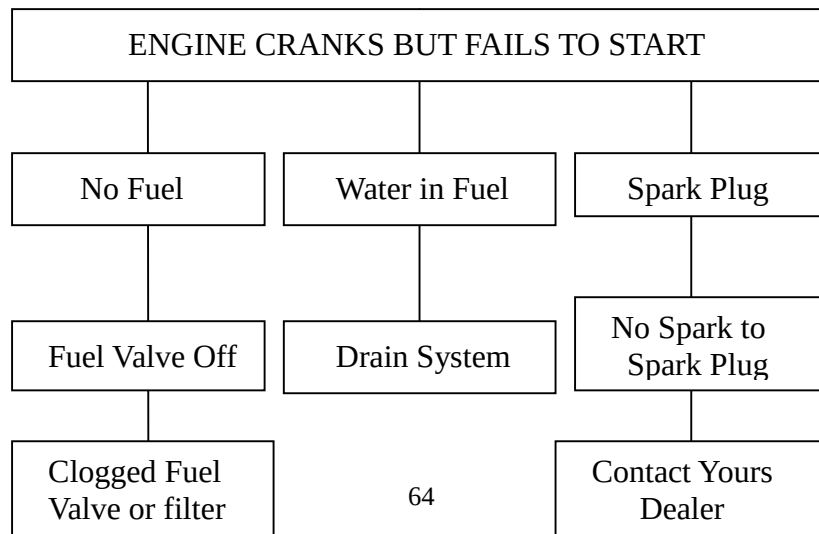
CAUTION

Do not touch the muffler and engine and brakes after the engine is stopped.

TROUBLESHOOTING

Procedures

The following information is provided to help you identify probable causes for questions you may have about the operation of your ATV. See your dealer with any additional questions you may have.



TROUBLESHOOTING

