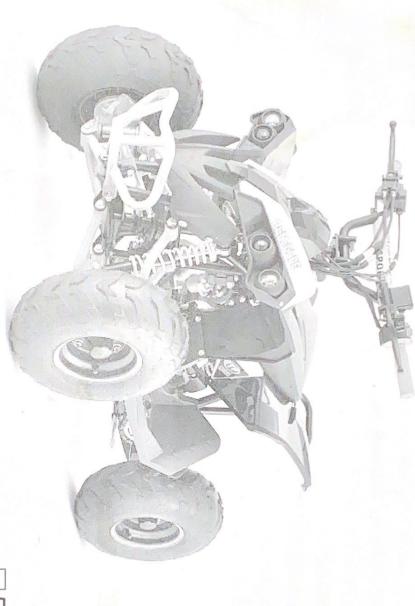
READ THIS MANUAL CAREFULLY It contains important safety information.

USER MANUAL



□50 □70 □90 □110

INTRODUCTION

ride your vehicle and also includes basic service and inspection procedures. This manual will provide you with a clear understanding of the details and operation of this vehicle. This manual will provide you will a vice information. It provides information necessary to This manual includes all of the necessary safety information procedures.

- AN IMPORTANT SAFETY MESSAGE: READ THIS MANUAL CAREFULLY AND COMPLETELY BEFORE OPERATING YOUR
- PAY CLOSE ATTENTION TO THE WARNING AND CAUTION LABELS ON THE VEHICLE. VEHICLE. MAKE SURE YOU UNDERSTAND ALL INSTRUCTIONS.
- NEVER OPERATE AN ATV WITHOUT PROPER TRAINING OR INSTRUCTION.

IMPORTANT MANUAL INFORMATION:

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

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

ATTENTION: The Safety Alert Symbol means ATTENTION! BE ALERT! YOUR SAFETY IS

INVOLVED

WARNING: Failure to follow WARNING instructions could result in severe injury or death to the

vehicle operator, a bystander or a person inspecting or repairing the vehicle.

CAUTION: A CAUTION indicates special precautions that must be taken to avoid damage to the

NOTE:

A NOTE provides key information to make procedures easier or clearer.

IMPORTANT NOTICE

This vehicle is designed and manufactured for OFF-ROAD use only. It is illegal and unsafe to properly this prophing on any public street road or highway

operate this machine on any public street, road or highway.

This vehicle complies with all applicable OFF-ROAD noise level and spark arrester laws and

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

regulations in effect at the time of manufacture.

WARNING

Indicates a potential hazard that could result in serious injury or death.

CONTENTS: 1 LOCATION OF THE "WARNING AND

To decelerate	Front brake lever 4-4
To start out ar	Emergency kill switch 4-3
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Rear brake lever....

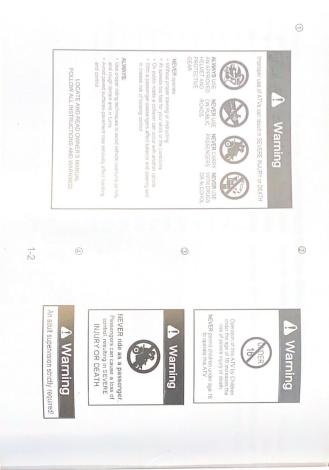
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To decelerate.....
Engine break-in...

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Speed limiter	
Tires5-4	



SAFETY INFORMATION

handles differently from other vehicles including motorcycles and cars. A collision or rollover can TO DRIVE AN ATV IS A SERIOUS MATTER AND CAN BE HAZARDOUS TO OPERATE. An ATV

SEVERE INJURY OR DEATH can result if you do not follow these instructions: you fail to take proper precautions.

occur quickly, even during routine maneuvers such as turning and riding on hills or over obstacles, if

- Read this manual and all labels carefully and follow the operating procedures described.
- Never operate an ATV without proper training or instruction
- A child under 16 years old should never operate an ATV.
- Never carry a passenger on an ATV. Always avoid operating an ATV on any paved surfaces, including sidewalks, driveways, parking
- Never operate an ATV on any public street, road or highway nor a dirt or gravel one. lots and streets.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating this ATV.
- Never operate at speeds too fast for your skills or the conditions.

- Never attempt wheelies, jumps, or other stunts.
- Always inspect your ATV 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
- Always keep both hands on the handlebars and both feet on the footboards of the ATV during
- Never operate the ATV in fast flowing water or in water deeper than 25 cm (10 in.).
- Always use the size and type of tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify the ATV through improper installation or use of 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 or pulling a trailer. Allow greater distance for braking while transporting cargo.

Always turn off the engine when refueling.

Don't start or run the engine in a closed area to avoid potential hazard.

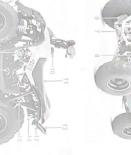
2-2

DESCRIPTION AND MACHINE IDENTIFICATION

Right brake lever Left brake lever



Tire



Seat Seat cap Front drum brake

Front suspension Front bumper Headlight Handlebar Throttle

- Rear light Rear bumper
- Muffler
- Engine Rear suspension
- Carburet Footrest

Identification numbers record

provided for assistance when ordering spare case the vehicle is stolen. parts from your dealer or for reference in (VIN) and engine I.D. number in the spaces Record the vehicle identification number

1. VEHICLE IDENTIFICATION NUMBER



on the rear side of the frame. The vehicle identification number is stamped

2. ENGINE I.D. NUMBER



vehicle identification number and engine I.D. your dealer. number will be needed to order spare parts from Is used to identify your ATV. The information of Note: The vehicle identification number (VIN)

as follows: Functions of the respective switch positions are Main switch

On: Engine can be started only at this position.
Off: All electrical circuits are switched off. The key can be removed in this position.



CONTROL FUNCTIONS

Once the engine is running, movement of the throttle lever will increase the engine speed. Regulate the speed of the engine by varying the throttle position. Because the throttle is spring-loaded, the engine will decelerate, and returns to the idle position as soon as the lever the engine will return to an idle any time your finger is removed from the throttle lever. is released be sure it is operating smoothly. Make sure it Before starting the engine, check the throttle to Throttle Lever



Handlebar switches



- 1. Engine stop switch (Red)
 2. Start switch
 3. Lights switch (Black) (option)

Engine stop switch

start or run when the engine stop switch is turned to "8". When starting the engine, the function button should be at "O" position. and can be used at all times to stop the engine, especially in an emergency. The engine will not The engine stop switch controls the ignition

Start switch
The starter motor cranks the engine when this switch is pushed.

CAUTION:See starting instructions prior to starting engine.

Lights switch

(option accessory). Turn the switch on for front light and taillight

CAUTION:

discharge to the point that the starter motor will not operate properly. If this should happen, remove the battery and recharge it, replace if Do not use the headlight with the engine turned off for more than 10 minutes. The battery may necessary.

Emergency kill switch

wants to stop engine for any reason, just pull the the child needs to stop suddenly, or if the adult adult can attach string, and follow the child. If This switch is on the back of ATV, to which an





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Church accessory)

The switch on the part plant and another switch

-

tenders the tradery and restable to the some than 10 minutes. The same of the name than 10 minutes the same of the

Front brake lever

the handlebar. Pull down on the lever to apply the front brake. The brake lever is located on the right side of



Rear brake lever

The brake lever is located on the left side of the handlebar. Pull down on the lever to apply the rear brake.



Parking brake

Apply the brake lever and then press down the stop-button to apply the parking brake. Squeeze the rear brake lever to release the parking brake.



Speed limiter
The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to the furthest position. Screwing in the adjuster limits the maximum engine power available and children's safety, this ATV has been adjusted to decreases the maximum speed of the ATV. For



Always make sure the throttle lever free play is $3\sim5$ mm (0.12 \sim 0.20 in.). Do not turn the speed adjuster out more than 12 mm (0.47 in.).

upward and pull up the seat at the rear. To remove the seat, pull the seat lock lever



front into the receptacle on the frame and push down the seat at the rear. To install the seat, insert the lobe on the seat



Fuel tank cap

Remove the fuel tank cap by turning it counterclockwise.

or higher may be used. Automotive gasoline with octane number of 90

After refueling, be sure to tighten the tank cap



adjuster in direction a. Spring preload adjustment:
To increase the spring preload, turn the vehicle's load and riding conditions. adjuster in direction b. To decrease the spring preload, turn the The spring preload can be adjusted to suit the Front shock absorber adjustment



Standard position: A A--Minimum (Soft) E--Maximum (Hard)

adjuster in direction a.

To decrease the spring preload, turn the adjuster in direction b. Rear shock absorber adjustment
The spring preload can be adjusted to suit the To increase the spring preload, turn the Spring preload adjustment: vehicle's load and riding conditions.





Standard position: A
Warning:
Uneven adjustment on different sides can cause poor handling and loss of stability.
4-7

PRE-OPERATION CHECKS

Before using this ATV, check the following points:

ITEM	ROUTINE
	Check operation, free play. Check the combination of the brake lever,
D	brake cable and pad.
DIANES	If the brake pad is becoming worn, please replace with a new one
	before use of the vehicle.
Parking brake	Check operation, condition and cable free play.
1	Check fuel level.
Fuel talls	Fill with fuel if necessary.
The contract of the contract o	Check oil level.
	Fill with oil if necessary.
Throttle	Check for proper throttle cable operation.
Wheels and tires	Check tire pressure, wear and damage.
Fittings and fasteners	Check all fittings and fasteners.
Lights	Check for proper operation if the lights have been installed.
Battery	Check fluid level.

ATTENTION: Always check each item in the above list prior to operating your ATV.

5-1

Front and rear brakes

 Check the operation and free play of the lever. They should move smoothly and there should be a firm feeling when the brakes are applied. If not, have the vehicle inspected by your dealer.

2. Brake operation

Test the brakes at slow speed after starting to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brake pads for wear.

Fuel

Make sure there is sufficient fuel in the tank.

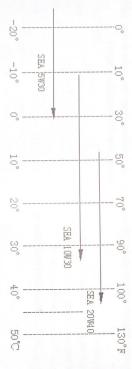
Fuel tank capacity: Total: 3.5 L

The engine has been designed to use regular gasoline with RON of 90 or higher.

Engine oil

Make sure the engine oil is at the specified level. Add oil if necessary.

Recommended oil:



Recommended engine oil classification: API Service SE, SF, SG type or higher.

Oil quantity in engine: 0.9 L (0.24 gal.). ATTENTION: Do not add any anti-friction modifier to ensure proper clutch function.

5-3

Throttle lever

Check to see that the throttle lever operates correctly. It must open smoothly and spring back to idle position when released. Repair if necessary for proper operation.

Lights

If you have installed lights, check the headlight and taillight to make sure they are in working condition. Repair if necessary for proper operation.

Check the operation of the headlight switch, engine stop switch and any other switches. Repair if necessary for proper operation. Switches

Check battery power; change the battery if electric power is getting poor Battery

		_
Door	Front	Recommended
115/70 6	145/70-6	Recommended tires for this ATV listed below:



2. The tires should be set to the recommended pressure. Recommended tire pressure:

Front 0.6-0.7 kgf/cm²

Rear 0.7 kgf/cm²

Check and adjust tire pressures when the tires are cold

Tire pressures must be equal on both sides.

3. Tire pressure below the minimum specified could cause the tire to dislodge from the rim under severe riding conditions.

Minimum tire pressure:
Front 0.55 kgf/cm²

Rear 0.55 kgf/cm²

4. Use no more than the following pressures when seating the tire beads. Front 2.5 kgf/cm²

Rear 2.5 kgf/cm²

Higher pressures may cause the tire to burst. Inflate the tires very slowly and carefully. Fast inflation could cause the tire to burst.

5. Tire wear limit

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

OPERATION

extremely dangerous. Make sure everything controls is extremely dangerous. Freezing control cables in cold weather is To operate ATV without being familiar with all

is working smoothly before starting. To start out and accelerate:

- 1. Release the parking brake.
- 2. Open the throttle gradually.
- 3. Once the vehicle has attained adequate speed, release the throttle lever.
- 4. Open the throttle gradually.

To decelerate:

evenly. throttle and apply the brakes smoothly and When slowing down or stopping, release the



Engine break-in

ATTENTION: The first 20 hrs for engine running condition listed below: break-in is very important; never exceed the

0 ~ 10 hours:

after every hour of operation. Allow a cooling off period of five to ten minutes Avoid continuous operation above half throttle.

Do not operate it at one set throttle position. Vary the speed of the vehicle from time to time

Avoid prolonged operation above 3/4 throttle.

Rev the vehicle freely, but do not use full throttle

After break-in: at any time.

Avoid prolonged full throttle operation. Vary speeds occasionally.

Parking

cock to "OFF" and apply the parking brake. When parking, stop the engine. Turn the fuel

Parking on a slope

Avoid parking on slopes. If you must park on an wheels with rocks or other objects. incline, apply the parking brake, and block the

ATTENTION:

MAXIMUM LOADING LIMIT

and accessories, and tongue weight): 95 kg (198 lbs.). Vehicle loading limit (total weight of cargo, rider

PERIODIC SERVICE

MIL	BOLITINE		INITIAL		EVERY	YY
-	700	1 month	3 months	6 months	6 months	1 year
V-Loo	Check valve clearance.)))	
Valves	Adjust if necessary.	C		C	C	C
	Check condition.					
Spark plug	Adjust gap and clean.	0	0	0	0	0
	Replace if necessary.					
A	Clean.		Eve	Every 20~40 hours	rs	
All Illici	Replace if necessary.		(more ofter	(more often in wet or dusty areas)	sty areas)	
	Check idle speed/starter operation.)	
Calpuletol	Adjust if necessary.			C	C	
Cylinder head	Check breather hose for cracks or					
cover breather	damage.			0	0	0
system	Replace if necessary.					1
	Check leakage.					
Exhaust system	Retighten if necessary.			0	0	0
	Replace dasket if necessary					

ITEM	ROUTINE	:	INITIAL		
IIEM	700	1 month	3 months	6 months	hs
	Check fuel hose for cracks or				
Fuel line	damage.			0	
	Replace if necessary.				
	Check oil level weekly.				
Engine oil	Replace.(Warm up engine before	0		0	
	draining.)				
Engine oil strainer	Clean.	0		0	
	Check operation every time				
Brake	before driving.	0	0		0
	Correct if necessary.				
	Check pressure and wear.)))
IIIes	Replace if damaged.				(
	Check bearing assembly for				
Wheel bearings	looseness/damage.	0			0
	Replace if damaged.				
	Check operation, replace if				
Steering system	damaged.	0	0		0
	Check toe-in, adjust if necessary.				

	15		
Battery		ITEM	
Check specific gravity. Check that the breather hose is positioned properly.	2	ROUTINE	
0	1 month		
0	3 months 6	INITIAL	
0	6 months		
0	6 months 1 year	EVERY	
0	1 year	YY	

WARNING:
Never service the engine while still running!

Left hand side ENGINE



Right hand side



Spec: 50cc, 4 Stroke, Single Cylinder, Air-cooled

Max Torque: 2.5Nm/6000rpm approx. Transmission: Auto Clutch Max Power: 2.0Kw/7500rpm approx. 12v, C.D.I., Electric Start

Max Torque: 4.5Nm/6000rpm approx. Transmission: Auto Clutch Max Power: 3.7Kw/8500rpm approx. 12v, C.D.I., Electric Start 70cc, 4 Stroke, Single Cylinder, Air-cooled

Max Torque: 5.6Nm/6000rpm approx. 90cc, 4 Stroke, Single Cylinder, Air-cooled Transmission: Auto Clutch Max Power: 4.0Kw/8000rpm approx. 12v, C.D.I., Electric Start

Transmission: Auto Clutch 7-4 Max Torque: 6.5Nm/6000rpm approx. Max Power: 4.7Kw/8500rpm approx. 110cc, 4 Stroke, Single Cylinder, Air-cooled 12v, C.D.I., Electric Start

Engine oil

- 1. Engine oil level measurement
- b. Warm up the engine for several minutes and a. Place the vehicle on a level surface.
- c. Wait a few minutes until the oil level settles
- d. Remove the dipstick and wipe it off with a before checking.
- without screwing it in. clean rag. Insert the dipstick in the filler hole
- e. Remove the dipstick and inspect the oil level.
- f. The oil level should be between the maximum to raise it to the proper level. and minimum marks. If the level is low, add oil

CAUTION:

crankcase. Be sure no foreign material enters the

- 2. Engine oil replacement and oil strainer
- a. Place the vehicle on a level surface.
- b. Warm up the engine for several minutes and stop it.
- c. Place a container under the engine.
- d. Remove the dipstick and drain plug to drain



Idle speed adjustment
No.11= A diagnostic tachometer must be used for this procedure.

4,000 to 5,000 r/min. The engine is warm when it quickly responds to the throttle.

2. Connect the tachometer and set the idle Start the engine and warm it up for a few r/min. Occasionally rev the engine to minutes at approximately 1,000 to 2,000

to the specified idling speed by adjusting into increase engine speed, and out to the throttle stop screw. Turn the screw

decrease engine speed.
SPECIFIED IDLE SPEED: 1700 rpm±100



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Throttle lever adjustment NOTE: Adjust the engine idling speed before

adjusting the throttle lever free play. 1. Loosen the locknut.

2. Turn the adjusting bolt until the throttle lever free play is 3~5 mm (0.12~0.20 in).

Tighten the locknut.



1. Locknut . Locknut 2. Adjusting bolt a. $3 \sim 5$ mm (0.12 \sim 0.20 in.)

7-6

Brake lever lubrication

Lubricate the pivot of each lever and pedal. Please use SAE 10W30 motor oil.

Brake adjustment – rear brake
The rear brake lever free play should be incorrect, adjust it as follows: 20~25 mm (0.80 \sim 1.0 in.). If the free play is

 Raise the rear side of vehicle to make rear tires leave from the ground.

2. Turn the rear wheels and turn the bolts and nuts on these 2 positions to adjust the caliper only with a suitable brake condition.

3. Tighten the nuts and test the adjustment result, if it's still not adequate, do the same process again.



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dealer. Specified fuse: 7 A/250 V. If the fuse is blown, turn off the main switch amperage. Then turn on the switches. If the and install a new fuse of the specified fuse immediately blows again, consult your Fuse replacement



1. main fuse **WARNING:**

Never use an improper fuse.

electrical system which could lead to a fire.

CAUTION: An improper fuse can cause damage to the

main switch when checking or replacing a fuse. To prevent accidental short circuit, turn off the

Battery asks for replenishment

- 1. Old style battery will corrode and discharge if not be maintained. The battery fluid should be checked at least once a month.
- 2. The ATV adopts new style battery asking for and sound performance. replenishment. Just enjoy its easy use



Replacing the headlight bulb

bulb and replace a new one. headlight unit assembly, take out the defective If the headlight bulb is burnt, remove the

Air filter cleaning

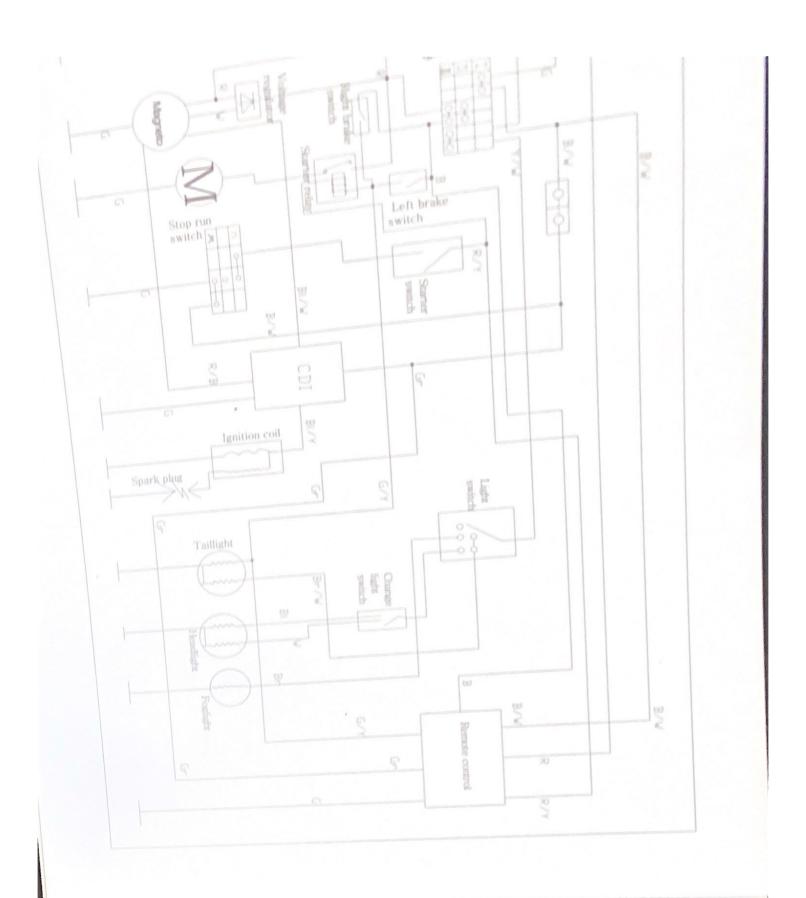
- 1. Remove the seat.
- 2. Remove the air filter case cover.
- 3. Remove the air filter element, and separate it from the guide.
- 4. Blow the dust on element off with air or replace it.

SPECIFICATIONS

MODEL	
Dimensions	
Overall length	1200mm
Overall width	760mm
Overall height	800mm
Minimum ground clearance	100mm
Basic Weight	
Without oil	68 KGS
Engine	
Engine type	4-stroke, single cylinder, air-cooled
Displacement	50cc 39×41.4mm 70cc 47×41.4mm
	90cc 47×49.5mm 110cc 52.4×49.5mm
Starting system	Electric
Lubrication system	Pressuring splash

MODEL	
Engine oil	0° 10° 30° 50° 70° 90° 100° 130°F
Type	SAE 20W40
	SAE 10W30
Recommended engine oil classification:	SAE 5W30
	-20° -10° 0° 10° 20° 30° 40° 50°C
	API Service SE, SF, SG type or higher
Quantity	0.9 L
Air filter	Dry element
Fuel	
Туре	Unleaded fuel

Chassis	MODEL	
Chassis		
Frame type		Steel tube
Caster angle		4°
Transmission		
Secondary reduction system	uction system	Automatic/Semi-automatic
Transmission type	ype	
Tire		
Type		Tubeless
Size	front	145/70-6
	rear	145/70-6
Brake		
Front brake	type	Drum brake or Hydraulic disc brake
	operation	Hand operation
Rear brake	type	Hydraulic disc brake
	operation	Hand operation



MAINTENANCE RECORD

Copies of work orders and/or receipts for parts you purchase and install will be required to document maintenance done in accordance with the warranty. The chart below is printed only as a reminder to you that the maintenance work is required. It is not acceptable proof of maintenance work.

				60 months
				54 months
				48 months
				42 months
				36 months
				30 months
				24 months
				18 months
				12 months
				6 months
				3 months
				1 month
			OFTIVIOR	INIERVAL
REMARKS	NAME AND ADDRESS	MILEAGE	DATE OF	MAINTENANCE

