

# WELCOME

Our scooter presents you with a challenge; a challenge to master a machine, a challenge to experience adventures, a challenge to be free. Unlike an automobile, there is no metal cage around you. There is only you and the road, linked together by a vehicle that responds to your every command like no other. Your reward...FREEDOM.

To answer this challenge, and to enjoy the adventures ahead, you should first become thoroughly familiar with this owner's manual.

As you read this manual, you will find information that is preceded by a NOTICE. This information is intended to help you avoid damages to your scooter, your body, property of others, and the environment.

Note: If there are any discrepancies between the real scooter and its photographs, the real scooter will take precedent.

# IMPORTANT INFORMATION

### 1. Operator and Passenger

This scooter is designed to carry one operator and one passenger. Never exceed the manufacturer's recommended maximum weight capacity as shown on the loading label.

# 2. On-road Use Only

This scooter is designed to be used only on paved roads.

# 3. Read This Owner's Manual Carefully

Pay special attention to safety messages that appear throughout this manual. This manual should be considered a permanent part of your scooter, and should remain with the scooter when resold to subsequent owners.

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### SAFETY INFORMATION

### Important Safety Information

Understand the challenges that you will face when operating a scooter will greatly improve your safety on the roads. There are many things that you can do to protect yourself when riding. You will find many helpful recommendations throughout this manual. Following are few that we consider most important.

### **Always Wear Protective Gears**

It is a proven fact: helmets significantly reduce the number and severity of head injuries. Always wear helmets, eye protection, sturdy boots, gloves, and other protective gears when riding.

#### Make Yourself Visible

Some drivers do not see scooters because they do not look for them. To make yourself more visible:

- · Wear bright reflective clothing while riding.
- · Position yourself in the traffic lane so other drivers can see you.
- · Signal before turning or changing lanes.
- · Use your horn to alert others on the road.
- · Always use headlights while riding, even during daytime.

### SAFETY INFORMATION

#### Ride Within Your Limit

Pushing the limits is a common cause of scooter accidents. Never ride beyond your personal abilities or faster than conditions warrant. Remember that alcohol, drugs, fatigue and inattention can significantly reduce your ability to make good judgments and ride safely.

### Keep Your Scooter In Safe Condition

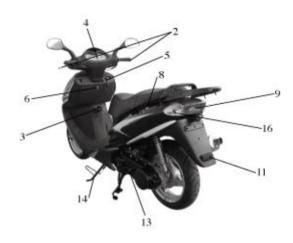
For safe riding, it is important to inspect your scooter before every ride, and perform recommended maintenance in a timely manner.

# **Loading Limit Guidelines**

Your scooter has been designed to carry you and one passenger. When you carry a passenger, you may notice some changes in acceleration and braking. However, as long as you keep your scooter well maintained, with good brakes, you can safely carry loads within manufacturer's recommended weight limit. Exceeding the weight limit or carrying an unbalanced load can seriously affect your scooter's handling, braking, and stability. Improper modifications and poor maintenance can also reduce your safety.

# DESCRIPTION





- 1. R and L rear mirror
- 2. R and L brake
- 3. Helmet hook
- 4. Speedometer
- 5. Main switch
- 6. Glove box
- 7. Air cleaner

- 8. Seat lock
- 9. Rear light assembly
- 10. R and L reflector
- 11. Rear reflector
- 12. Center stand
- 13. Kick starter
- 14. Side stand

- 15. Muffler
- 16. R and L rear turn signal
- 17. Headlights
- 18. L and R turn light
- 19. Oil tank
- 20. Battery

# DESCRIPTION

# Speedometer

Riding speed is indicated by mph and km/h.

### Odometer

The total riding distance is indicated in miles.

# **Fuel Gauge**

Fuel gauge indicates the remaining fuel in the fuel tank (the gauge does not work when main switch is in the "OFF" position). The gauge needle moves from "F" (full) to "E" (empty) as the fuel decreases in the fuel tank. Fill the tank with 90 octane or higher gasoline when the needle is approaching the "E" position. There is no reserve tank.

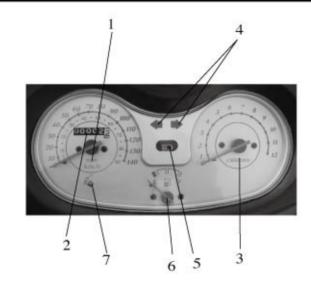
Indicating Iamp of high beam ≣☐ It indicates high beam is in use.

#### NOTE:

\*Apply low beam to avoid obstructing the view of oncoming drivers and drivers ahead.

# DESCRIPTION

- 1. Speedometer
- 2. Odometer
- 3. Tachometer
- 4. Turn signal indicator
- 5. High beam indicator
- 6. Fuel gauge
- 7. Cell phone light



#### Main Switch

#### "ON" POSITION:

Electrical circuits are switched on. The engine can now be started. The key can not be removed in this position.

#### "OFF" POSITION:

All electrical circuits are switched off. The engine stops. The key can be removed in this position

#### "LOCK" POSITION:

The steering is locked when in this position. The key can be removed.



Main Switch







LOCK

### NOTE:

\*Do not leave the main switch in "ON" position for an extended period of time when the engine is stopped. The battery may drain itself.

\*Lock the steering and remove the key after parking to avoid theft.

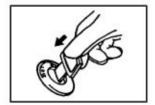
# Steering Lock

Turn the handlebar fully to the left and lock the steering as shown below to prevent theft:

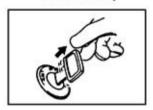
Main Switch



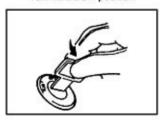
Push the key in when it's in OFF position



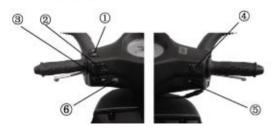
Release the key



Turn to LOCK position



### Handlebar Switches



#### 1. Dimmer Switch

When lights switch is in the "ON" position:

- ∃ :Head light high beam is on.
- :Head light low beam is on.

# 2. Turning Light Switch

To use the turning light while making a turn or change traffic lane, push the switch to 

to signal a right turn. Push the switch to 

to signal a left rurn. The switch returns to center

position when released. The turning light does not go off automatically. To cancel the turning signal, push in the switch after it has returned to center position.

#### 3. Horn Button

The horn sounds by pressing the horn button.

- 4. Engine is off 🛇
- 5. Lights Switch
- o :All lights are off.
- :Location light, tail light, license light and meter light are on.
- :Head light, tail light, license light, meter light are ON.

### 6. Starter Switch

Apply this switch when using electric start.

#### NOTE:

- \*Release the starter switch immediately after the engine has started. Do not apply starter switch again when the engine is running.
- \*Never exceed 4 seconds when using starter switch each time.

# **Fuel Tank Cap**





# Open:

Fuel tank is located underneath the seat cushion. To open, turn the cap counterclockwise unil it unlocks.

#### Close:

Lock the fuel tank by pressing down on the cap and turning it clockwise.

### Seat Lock

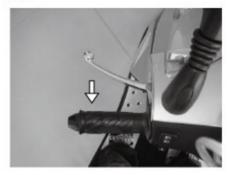
To open the seat, insert the key into the lock and turn as shown below. Return the seat to its original position and press down to lock up. Pull up on the seat slightly to ensure it is fully locked.



### Rear Brake Lever

The rear brake lever is located in left handlebar. Pull the lever to apply rear brake.

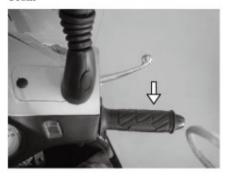
### Rear



### Front Brake Lever

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

#### Front



# Rear Storage Compartment

The compartment is located under the seat. Open the seat to store a helmet in the compartment.

### NOTE:

\*The maximum loading capacity of rear storage compartment is 11 lbs.

### Side stand kill switch

Remove the scooter from side stand before starting otherwise scooter will not turn on. While on side stand kill switch will activate and scooter engine will turn off.





Engine is off

Engine is on

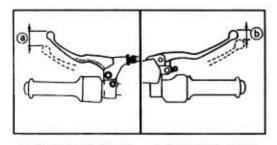
### Pre-operation Checks

Pre-operation checks should be made each time the scooter is used. Such an inspection can be accomplished in a very short time. The added safety it insures is more than worth the time involved.

Before using this scooter, check the following points:

NO	ITEM	ROUTINE	PAGE	
1	Front Brake	Check operation, freeplay, fluid level and fluid leakage. top up with DOT3 brake fluid if necessary.	10	
2	Rear Brake	Check operation, freeplay, fluid level and fluid leakage. top up with DOT3 brake fluid if necessary.	10	
3	Throttle	Check for smooth operation. Adjust if necessary	15	
4	Engine Oil	Check engine oil level, add oil if necessary.	15	
5	Tires/Wheels	Check tire pressure, wear and damage.	16	
6	Fittings/Fasteners	Check all chassis fittings and fasteners. Tighten/adjust if necessary.	18	
7	Lights/Signals/Switches	Check operation.	18	
8	Fuel	Check fuel oil level, add oil if necessary.	19	

#### Brakes



a. Free play 10~20 mm

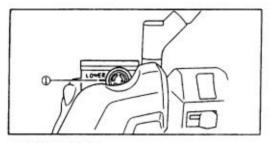
b. Free play 2~5 mm

#### **Brake Levers**

Check for correct free play in the brake levers and correct them if necessary. Make sure the brakes are working properly by checking at low speed shortly after starting out.

#### NOTE:

A soft, spongy feel in the brake lever indicates a failure in the brake system. Do not operate the scooter until the failure in the brake system has been corrected. Ask a dealer for immediate repairs.



1. Minimum level

# **Brake Fluid**

Check the brake fluid level. Add fluid if necessary.

Recommend brake fluid: DOT3

# **Brake Fluid Leakage**

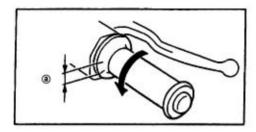
Apply the brake a few times. Check to see if any brake fluid leaks out from the pipe joints or the master cylinder

#### NOTE:

\*Brake fluid may deteriorate painted surfaces or plastic parts. If spilled, clean it up at once.

\*If brake fluid leakage is found, ask a dealer for immediate repaires. Such leakage could indicate a hazardous condition.

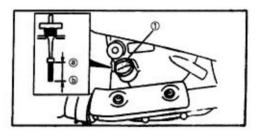
### Throttle Grip



a. Free play 3~5 mm

Turn the throttle grip and check the free play to see if it operates properly. Make sure the grip returns to the original position by spring force when released. Ask your local dealer to make any necessary adjustments.

### Engine Oil



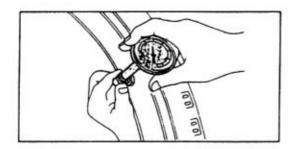
1. Dipstick a. Maximun level b. Minimum level

Make sure the engine oil is at the specified level. Fill with oil if necessary. (See page 26, 27 for details).

### Recommended Engine Oil:

Four stroke engine oil SAE 15W-40

#### Tires



To ensure maximum performance, longer durability, and safe operation, always check and adjust the tire pressure before operating your scooter.

#### NOTE:

\*Tire pressure should be checked and adjusted when tire temperature equals the ambient air temperature. Tire pressure must be adjusted according to the total weight of cargo, rider, passenger, accessories, and vehicle speed. Refer to tire walls for proper inflation pressure.

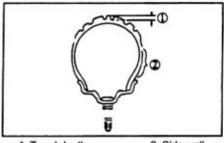
Make sure the total weight of the cargo, rider, passenger, and accessories do not exceed the maximum loading limit of your scooter. Operating overloaded scooter could cause tire rupture, an accidents, and injuries.

### NOTE:

Proper loading affects several characteristics of your scooter, such as handling, braking, acceleration, and safety. Do not carry loosely packed items that can shift during travel. Securely pack your heaviest items close to the center of your scooter and distribute the weight evenly from side to side. Properly adjust the suspension to your load, and check the condition and pressure of your tires.

### Tire Inspection

Always check the tires before operating your scooter. Contact a dealer if center tread depth reaches the limit as show, if the tire has a nail or glass fragments in it, or if the sidewall is cracked, and have the tire immediately replaced.



1. Tread depth

2. Side wall

Minimum Tire Tread Depth:

Front: 1.5mm Rear: 2.0mm

### Fittings and Fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Take your scooter to a dealer to correct all fittings and fasteners to proper torque.

# Lights, Signals, and Switches

Check all the lights. Make sure they are in working condition. Check the operation of the handlebar switches and the main switch.

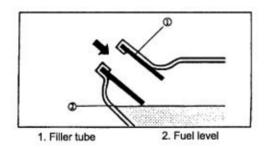
#### Mirror

Adjust mirrors as shown in illustrations below to ensure maxium visitility



Adjust the rear view mirrors so that when you are seated on the scooter, you have the best view of rear traffic.

### Fuel



### Recommended Fuel:

90 octanes or higher unleaded gasoline

### **Fuel Tank Capacity:**

Total 1.7 gal

### NOTE:

- \*Do not fill the fuel tank above the bottom of the filler tube as shown in the illustration. Fuel tank may overflow when the fuel heats up and expands.
- \*Always wipe off spilled fuel immediately with a dry and clean soft cloth. Fuel may deteriorate painted surfaces or plastic parts.

# Start An Engine

- \*Park before starting.
- \*Return the side stand to its original position.
- \*Check if there is sufficient fuel and engine oil.
- 1. Turn the main switch to ON.





- Make sure that red engine kill switch is not engaged; i.e. the button has NOT been pressed in.
- Completely release the throttle grip, apply rear brake lever.
- Push the starter switch. Do not touch the starter switch again once the engine has started.





#### NOTE:

\*If the engine fails to start, release the start switch, wait a few seconds, then try again. Each attempt should not be over 4 seconds to preserve the battery. If the engine has not started after 4-5 attempts, turn the throttle grip 1/8-1/4 turn, then push the starter switch again.

\*For an engine which can not be cranked by electric start, or a vehicle which has not been used for a long time, turn on the main switch and throttle grip and apply kick starter to crank the engine.



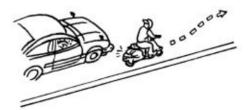
For a cold vehicle, preheat the engine for 1-3 minutes before riding.

#### NOTE:

- \*For maximum engine life, never accelerate hard with a cold engine.
- \*Always return the kick starter to the original position after starting.
- \*The exhaust fumes are poisonous and can cause loss of consciousness and even death within a short time. You must operate your scooter in an area with adequate ventilation.

# Starting Off

- Apply the rear brake lever with your left hand and hold the rear grip with your right hand. Push the scooter off the main stand.
- Sit astride the seat, with left foot touching the ground to avoid inclination.
- 3. Release the rear brake lever.
- 4. Check for oncomiong traffic and use your turn signal.
- Turn the throttle grip slowly and you are off. Remember to turn off the signal after use.

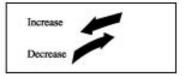


### OPERATION

### Acceleration

The speed can be adjusted by opening and closing the throttle grip. Turning it toward you increases the speed, while turning it away from you decreases the speed.





# Parking

When parking the scooter, stop the engine and turn off the main switch. Remove the key!



### NOTE:

- \*The muffler is hot after operation. Park the scooter in a place where pedestrians or children are not likely to touch the scooter.
- \*Do not park the scooter on a slope or soft ground, the scooter may overturn.

### OPERATION

### Engine Break-in Period

There is never a more important period in the life of your scooter than the period between zero and 1,000 miles. For this reason we ask that you carefully read the following material You should not place an excessive load on the engine for the first 1,000 miles. The various parts in a new engine wear and polish themselves to the correct operating clearances during this period. Prolonged full throttle operating or any condition that might result in excesive heating of the engine should be avoided.

Keep the riding speed below 40mph within the first 1,000 miles.

See the following for details:

1.0-200 miles:

Keep the speed below 20 miles per hour.

2, 200-350 miles:

Keep the speed below 25 miles per hour.

3.350-550 miles:

Keep the speed below 30 miles per hour.

#### NOTE:

\*After 1,000 miles of operation, be sure to replace the engine oil and clean the oil filter. If engine trouble occurs during the break-in period, consult your dealer immediately.

### Cleaning of Air Filter

The air filter should be cleaned at the specified intervals. It should be cleaned more frequently if you often ride in wet or dusty areas.

- 1. Place the scooter on the center stand.
- Remove the left side panel by removing the screws on it.
- 3. Remove the air filter cover by removing screws on it.
- 4. Take out the air filter and remove the screws on it.
- Remove the air filter element and wash gently, but thoroughly in solvent. Replace air filter if it is damaged.
- 6. Squeeze out excess solvent, and dry it.
- Apply oil to the entire surface of the air cleaner and squeeze out the excess oil. It should be damp, but not dripping.
- 8. Reinstall the air filter and the air filter cover.

Recommend oil: Same as engine oil.

### NOTE:

\*Drain the oil accumulated in the clear tube after every 650 miles.





### Periodic Maintenance and Minor Repair

Periodic inspection, adjustments, and lubrication will keep your scooter in the safest and most efficient condition possible. You must take into consideration that weather, terrain, geographical locations, and a variety of causes all tend to demand that each owner alter the time schedule for regular maintenance to shorter intervals.

The most important points of scooter maintenance: inspection, adjustments, and lubrication are explained in the following pages.

### NOTE:

\*If you are not familiar with servicing your scooter, consult your local dealer. Your scooter is designed for use on paved road surfaces only. If you operate the scooter in abnormally dusty, muddy, or wet conditions, the air filter should be cleaned or replaced more frequently. Consult your local dealer for proper maintenance intervals.

# PERIODIC MAINTENANCE CHART

ITEM	RIDING DISTANCE (mi)												Daily	
	190	620	1250	1850	2500	3100	3700	4350	4950	5600	6200	6800	7450	Check
Engine Oil	R	R	R	R	R	R	R	R	R	R	R	R	R	1
Engine Oil Filter	C				C	20.000	N 92702		C			Stenfa	С	
Gear Oil	R			R	100		R			R			R	
Spark Plug	Clear	Clean at every 1250mi, replace if necessary.												
Valve Clearance		A		100	Α				Α				Α	
Cam Chain		Α			Α				Α				Α	
Carburetor					1				- 1				1	
Air Cleaner	Clear	n the el	ement a	t every	1250mi	and re	place a	t every	3100 m	l.				
Fuel Filter	Clear	n at eve	ry 620r	ni, repla	ace if ne	cessar	у.							
Brake System		1	1	1	1	-1	1	1	1	1	1	1	1	1
Drive Belt														
Screws and Nuts of Each Part	Т					T					T			
Exhaust Emissions	Che	ck with	local la	aws an	d regula	ations	regardi	ng emi	ssions	inspec	tions.			
*If your scooter exceeds	the ric	ding di	stance	listed in	n the m	aintena	ance ch	nart, fol	llow the	e interv	als for	servic	e.	
*If your scooter is freque	ntly us	sed in	a dusty	area, a	ir filter	shoold	be cle	aned o	r repla	ced mo	re fred	uently.		

I: Check, clean, lubricate, adjust or replace if necessary A: Adjust C: Clean R: Replace T: Tighten

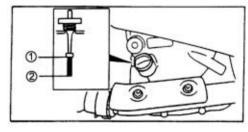
### **Engine Oil**

#### 1. Oil Level Measurement

- a. Place the scooter on the center stand. Warm up the engine for several minutes.
- b. Stop the engine and wait a few minutes until the oil levels before removing the dipstick.
- c. The oil level should be between the minimum and maximum mark on the dipstick. If the level is low, add oil to raise it to the specified level.

### NOTE:

\*Be sure your scooter is positioned straight up when checking oil level. A slight tilt toward the side can result in false reading.



1.Maximum level

2.Minimum level

### 2. Engine oil replacement

Replace engine oil after the initial 200 miles. Thereafter, replace engine oil every 650 miles. Check the oil level after every 300 miles. Add oil to specified level if necessary.

- 3. Start the engine and warm up for a few minutes. While warming up, check for oil leakge. If oil leakage is found, stop the engine immediately and check for the cause.
  Follow the steps outined below to change engine oil:
- a. Warm up the engine for a few minutes.
- b. Stop the engine. Place an oil pan under the engine and remove the dipstick.
- c. Remove the drain plug and drain the oil.
- d. Clean the oil filter with solvent.
- e. Reinstall the oil filter and drain plug.
- f. Fill the engine with oil and install the dipstick.

#### NOTE:

\*If your scooter is often ridden on bumpy roads, in cold weather, or for short distances, engine oil should be replaced sooner than prescribed by this manual. Consult your local dealer for recommendations.



# Gear Oil Replacement

Replace the gear oil after the initial 200 miles.

Thereafter, replace oil again every six months or 2,000 miles, whichever occurs first.

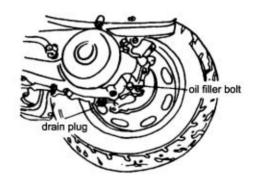
# Do As Below Described For Replacement:

- 1. Put the scooter on the center stand.
- 2. Place an oil pan under the gear case.
- Remove the oil filler bolt and the drain plug to drain the oil.
- 4. Reinstall and tighten the drain plug.
- 5. Fill the gear case with oil.
- 6. Reinstall the oil filler bolt.
- After replacing the gear oil, be sure to check for oil leakage.

Recommended oil: SAE 85W 90 SF

#### NOTE:

\*Do not let foreign materials enter the gear case. Be sure oil does not get on the back tire or wheel.



# Cleaning of Air Filter

The air filter should be cleaned at the specified intervals. It should be cleaned more frequently if you often ride in wet or dusty areas.

- 1. Place the scooter on the center stand.
- 2. Remove the left side panel by removing the screws on it.
- 3. Remove the air filter cover by removing screws on it.
- 4. Take out the air filter and remove the screws on it.
- Remove the air filter element and wash gently, but thoroughly in solvent. Replace air filter if it is damaged.
- 6. Squeeze out excess solvent, and dry it.
- Apply oil to the entire surface of the air cleaner and squeeze out the excess oil. It should be damp, but not dripping.
- 8. Reinstall the air filter and the air filter cover.

Recommend oil: Same as engine oil.

### NOTE:

\*Drain the oil accumulated in the clear tube after every 650 miles.

# Air cleaner



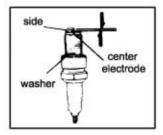
### Spark Plug Inspection

The spark plug is an important engine component. The condition of the spark plug can indicate the condition of the engine. Therefore, you should periodically inspect it for signs of deterioration. The ideal color on the white insulator around the center electrode is a medium to light tan color for a scooter that is being ridden normally.

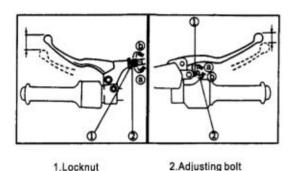
Deposits will cause the spark plug to slowly break down and erode. You should replace the spark plug if electrode erosion becomes excessive, or if carbon and other deposits become excessive. Before installing the spark plug, measure the electrode gap with a wire thickness gauge. Adjust the gap to the specification.

### Spark Plug Gap: 0.8mm

When installing the plug, always clean the gasket surface. Wipe off any grime from the threads. Tighten the spark plug with your fingers first, then finish tightening with a wrench.



### Brake Lever Free Play Adjustment



The front brake lever free play should be adjusted to 2-5mm at the brake lever end.

The rear brake lever free play should be adjusted to 2-5mm at the brake lever end. Loosen the locknut and turn the adjusting bolt in direction A to increase free play, in direction B to decrease free play. Be sure to tighten the locknut after adjustments.

#### NOTE:

When it is not impossible to make the proper adjustments on your own, consult your local dealer for professional guidance.

#### Inspection of Brake Fluid Level

Insufficient brake fluid may allow air to enter the brake system, possibly causing the brakes to become ineffective. Before riding, check that the brake fluid is above the minimum level and fill when necessary.

#### Observe These Precautions:

- When checking the brake fluid level, make sure the top of the master cylinder is leveled.
- Use only the designated brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage and poor brake performance. Recommended Brake Fluid: DOT3
- Refill with the same type of brake fluid. Mixing fluid may result in a harmful chemical reaction and lead to poor brake performance.
- 4. Be careful that water does not enter, which may result in vapor lock.
- Brake fluid may deteriorate painted surfaces and plastic parts. Always clean up the spilled fluid immediately.
- 6. Have a dealer check the cause if brake fluid level goes down.

#### **Brake Fluid Replacement**

- Complete fluid replacement should be done only by trained personnel.
- 2. Have a dealer replace the following components during periodic maintenance or when they are damaged of leaking.
  - a. Replace all rubber seals every two years.
  - b. Replace all hoses every four years.

#### **Brake Lever Lubrication**

Lubricate the pivoting parts of both brake levers.



#### Center and Side Stand Lubrication

Lubricate the pivoting joints. Check to see that the center and side stand move up and down smoothly.





Side stand

Center stand

#### Recommended lubricant:

Lithium Based Grease

#### NOTE:

\*If the center or side stand does not move smoothly, consult a dealer.

## Front Fork Inspection

Securely support the scooter so there is no danger of it falling over.

1. Visual Check:

Check for scratches or damage on the inner tube and excessive oil leakage from the front fork.

2. Operation Check:

Place the scooter on a level place.

- a. Hold the scooter in upright position and apply the front brake.
- b. Push down hard on the handlebars several times and check if the fork rebounds smoothly.

#### NOTE:

\*If any damage or jerky movement is found with the front fork, consult your local dealer.

#### Steering Inspection

Periodically inspect the condition of the steering. Worn out or loose steering bearings may be dangerous. Place a stand under the engine to raise the front wheel off the ground. Hold the lower end of the front forks and try to move them forward and backward. If any free play can be felt, ask a dealer to inspect and adjust the steering. Inspection is easier if the front wheel is removed.

#### NOTE:

\*Securely support the scooter so there is no danger of it falling over.

# Wheel Bearings

If there is play in the front or rear wheel hub or if the wheel does not turn smoothly, have a dealer inspect the wheel bearings.

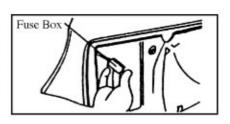
### **Fuse Replacement**

If the fuse is blown, turn off the main switch and the switch of the circuit in question. Remove the screws on battery case cover. The fuse is at the side of the case. Install a new fuse of specified amperage. Make sure the new fuse is fitted securely. Turn on the switches and see if the electrical device operates.

Specified Fuse: 15A

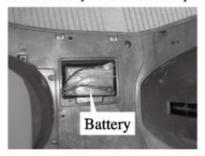


\*Do not use fuses of higher amperage rating than those specified. Substitution of fuse of improper rating can cause extensive electrical system damage and possibly a fire.



# Battery

This scooter uses sealed and non-replenishable type battery. It is unnecessary to check and add liquid.



## NOTE:

\*The battery will lose its charge if the scooter is not operated for an extended period of time. Remove the battery from the scooter and charge it fully when not in use. Store it in a place with adequate ventilation.

#### **Battery Joint:**

- 1. Remove the battery before cleaning the joint of it.
- 2. Clean the joint first, then apply a thin coat of vasoline on
- it. Reinstall the battery.

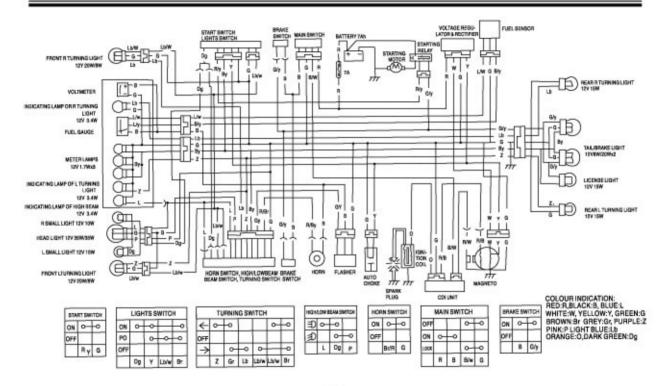


#### NOTE:

\*Avoid near by live fire when removing or installing the battery.

\*When removing the battery, turn off the main switch, remove the negative pole wire first, then the positive pole wire. Change the order when reinstalling (positive wire first, then negative wire).

#### ELECTRIC CIRCUIT DIAGRAM



L×W×H	1942×702×1125mm	Engine type	Single-cylinder, four-stroke, air-cooled
Wheel base	1365mm	Engine Displacement	124.6ml
Min. ground clearance	150mm	Compression ratio	9.2:1
Dry weight	118kg	Idling speed	1700±100r/min
Max-payload	150kg	Max power	5.7kw/7000r/min
Max speed	85km/h	Max torque	8.0N.m/5500r/min
Front tire	130/60-13	Fuel tank capacity	6.4L
Rear tire	130/60-13	Fuel grade	90#
Ignition mode	CDI	Recommended engine oil	SAE 10W/40
Spark plug	A7RTC	Engine oil capacity	0.9L
Battery	12V9A.h	Fuse	15A

L×W×H	1942×702×1125mm	Engine type	Single-cylinder, four-stroke, air-cooled
Wheel base	1365mm	Engine Displacement	124.6ml
Min. ground clearance	150mm	Compression ratio	9.2:1
Dry weight	118kg	Idling speed	1700±100r/min
Max-payload	150kg	Max power	5.7kw/7000r/min
Max speed	85km/h	Max torque	8.0N.m/5500r/min
Front tire	130/60-13	Fuel tank capacity	6.4L
Rear tire	130/60-13	Fuel grade	90#
Ignition mode	CDI	Recommended engine oil	SAE 10W/40
Spark plug	A7RTC	Engine oil capacity	0.9L
Battery	12V9A.h	Fuse	15A

# MAJOR TECHNICAL PARAMETERS

L×W×H	1955×702×1125mm	Engine type	Single-cylinder, four-stroke, air-cooled
Wheel base	1460mm	Engine Displacement	49.6ml
Min. ground clearance	150mm	Compression ratio	10.5:1
Dry weight	110kg	Idling speed	1600±100r/min
Max-payload	150kg	Max power	2.05kw/8000r/min
Max speed	45km/h	Max torque	2,70N.m/7000r/min
Front tire	130/60-13	Fuel tank capacity	6.4L
Rear tire	120/70-12	Fuel grade	90#
Ignition mode	CDI	Recommended engine oil	SAE 10W/40
Spark plug	A7RTC	Engine oil capacity	0.9L
Battery	12V7A.h	Fuse	15A

L×W×H	1942×702×1125mm	Engine type	Single-cylinder, four-stroke, air-cooled
Wheel base	1365mm	Engine Displacement	149.6ml
Min. ground clearance	150mm	Compression ratio	9.2:1
Dry weight	118kg	Idling speed	1700±100r/min
Max-payload	150kg	Max power	6.25kw/7500r/min
Max speed	90km/h	Max torque	9.4N.m/5500r/min
Front tire	130/60-13	Fuel tank capacity	6.4L
Rear tire	130/60-13	Fuel grade	90#
Ignition mode	CDI	Recommended engine oil	SAE 10W/40
Spark plug	A7RTC	Engine oil capacity	0.9L
Battery	12V9A.h	Fuse	15A