# Owner's manual



## INTRODUCTION

Congratulations on your purchase of SG12/15000. This model is a fascinating vehicle, which can give you an unsurpassed feeling of power and freedom. It is good for sporting and touring. It is convenient in use, and has elegant appearance design, international fashionable colour. With it you may have an enjoyment of high-class scooter while at economic price.

This manual will give you an understanding of the operation, inspection, and basic maintenance of this scooter. If you have any questions about the operation or maintenance of your scooter, please consult a dealer.

### IMPORTANT

For the safe and efficient operation of your scooter, please read this manual carefully and completely before operating this scooter.

## POINTS OF ATTENTION

### 'RIDER AND PASSENGER

This model is designed for use by only one rider and one passenger. Do not load it over the limits on the specification table.

## \*ROAD CONDITION

This model is designed for riding on the flat road.

\*PARTICULARLY IMPORTANT INFORMATION IS DISTINGUISHED IN THIS MANUAL BY THE FOLLOWING NOTATIONS:

## **!!!WARTING**

to the scooter.

Failure to follow WARNING instructions could result in severe injury or death to the scooler operator, a bystander or a person inspecting repairing the scooter. CAUTION:

A CAUTION indicates special precautions that must be taken to avoid injury of the operator or damage

NOTE: We continually seek advancements in product design and quality, there may be minor discrepancies between your schoter and this manual. We regret for the inconvenience this may cause. Flease consult your dealer for any questions about this manual.

## DESCRIPTION

- 1. Front Brake Lover
- 2. Front Brake Reservoir Tank
- 3. Pedal
- 4. Battery
- 5. Fuel Tank
- 6. Helmet Hook
- 7. Rear Grab





- 1. Left Handlebar Switch
- Right Handlebar Switch
- Main Switch
- 4. Rear Storage Compartment
- 5. Rear Shock Absorber
- 6. Engine
- 7. Center Stand
- 8. Side Stand
- 9. Front Storage Compartment

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## SAFETY RIDING

Regular care and maintenance are essential for preserving your scooter's value and operating condition. Moreover, what is true for the scooter is also true for the rider: good performance depends on being in good shape. Riding under the influence of medication, drugs and alcohol is, of course, out of the question. Scooter riders - more than car drivers-must always be at their mental and physical best. Under and influence of even small amounts of alcohol, there is a tendency to take dangerous risks.

Protective clothing is as essential for the scooter rider as seat belts are for car drivers and passengers. Always wear a complete motorcycle suit(whether made of leather or tear-resistant synthetic materials with protectors), sturdy boots, motorcycle gloves and a properly fitting helmet. Optimum protective wear, however, should not encourage carelessness. Though full-coverage helmets and suits, in particular, create an illusion of total safety and protection, motorcyclists will always be vulnerable. Riders who lack critical self-control run the risk of going too fast and are apt to take chances. This is even more dangerous in wet weather. The good motorcyclist rides safely, predictably and defensively-avoiding all dangers, including those caused by others.

## CONTROL FUNCTIONS

MAIN SWITCH



The main switch controls the ignition and lighting system. Its operation is described helms.

## ON:

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

#### OFF -

All electrical circuits are switched off. Turn the switch to OFF to stop the englac. The key can be removed in this position.

## LOCK:

The steering is locked when the main switch is in the "LOCK" position and all electrical circuits are switched off. To lock the steering, turn the handlebars all the way to the left. While pushing the key into the main switch, turn it from "OFF" to "LOCK" and remove it. To release the lock, turn the key to "OFF" while pushing.

#### OPEN:

To open the seat, turn the key clockwise,



## !!!WARNING

Never turn the key to 'OFF' or 'LOCK' when the scooter is moving. The electrical circuits will be switched off which may result in loss of control or an accident. Be sure the scooter is stopped before turning the key to 'OFF' or 'LOCK'.

## INDICATOR LIGHTS



- 1. Turn indicator lights\* Crc> \*
- 2. High beam indicator tight " IID "

Turn Indicator Lights " <> □ □ "

The corresponding indicator flashes when the turn switch is moved to the left or right.

High Beam Indicator Light "≣D"

This indicator comes on when the head light high beam is used.



1. Speedometer 2. Trip odometer 3.Tachometer

The speedometer shows riding speed. This speedometer is equipped with an odometer and trip odometer.

The tachometer will display the rotate speed of the engine, when you have a speed.



T. Fuel gauge

This model is equipped with an electric fuel gauge so the rider can monitor the fuel level in the fuel tank. When the needle indicates. "E" (Empty), about 1.0L remain in the fuel tank.

## HANDLEBAR SWITCHES



1. Dimmer switch 2. Turn switch 3. Horn switch

Turn Signal Switch

To signal a right-hand turn, push the switch to the " \( \rightharpoonup \) ". To signal a left-hand turn, push the switch to the " \( \rightharpoonup \) ". Once the switch is released it will return to the center position. To cancel the signal, push the switch in after it hasreturned to the center position.

Horn Switch " > "
Press the switch to sound the horn.

Dimmer Switch

Turn the switch to " = " for the high beam and to " = " for the low beam.



4, Lights switch 5. Start switch " (T) "

### "LIGHTS" Switch

Turning the light switch to "Rod;" turns on the auxiliary light, meter lights, tall light and licence light. Turning the light switch to "Rod;", turns the headlight on also.

#### Start Switch

1. Turn the main switch to "ON" 2. Apply either brake and push the start switch or blok the start pedal to start the engine.

### CAUTION:

See starting instructions prior to starting the engine.

## FRONT BRAKE LEVER



1. Rear brake lever

2. Front brake lever

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

## REAR BRAKE LEVER

The rear brake lever is located on the left handlebar. Pull it toward the handlebar to apply the rear brake.

### FUEL TANK CAP



1. Fuel tank cap.

The fuel tank cap is located under the seat.

To open the fuel tank cap, insert the key into the lock and turn the key clockwise. To close the cap, align the match marks and push down on the cap. Then turn the key to

the original position and remove it.

Close the lid.



2. Match marks

#### HWARNING

Be sure the cap is properly installed and locked in place before riding the scootor.

## STORAGE COMPARTMENTS





To open a storage compartment when it's locked, insert the key and turn it counterclockwise.

To open a storage compartment when it's unlocked, simply push the button.

To lock a storage compartment, insert the key and turn it clockwise. Then remove the key,





Roar storage compartment A beliest can be stored in the comperiment under the seat. To open rear storage compariment when it's locked, insert the key and turn it clockeds.

## !!!WARNING

Do not exceed the loading limits: Front Compartment:1Kg Rear Compartment:4Kg

## HELMET HOOK



A hook is provided to secure a helmet a hook is provided to secure a helmet with the luggage box. To secure a helmet, hang the helmet on the hook.

## !!!WARNING

Never ride with a helmet secured in the shook. The helmet may hit objects, causing loss of control and possibly an accident.

## BETTERY COVER REMOVAL



- 1. Screw ( × 1 ) 2. Battery cover
- Pull up the right pedal mat as shown. Then remove the screws on the battery cover.

## PRE-OPERATION CHECKS

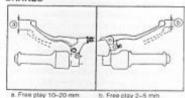
Before using this scooter, check the following points:

NO.	ITEM	ROUTINE	PAGE		
1 Front Brake		Check operation, free play, fluid level and fluid leakage.  Top up with DOT4 (or DOT 3) brake fluid if necessary.	14, 15		
2	Rear Brake	Check operation, condition and free play.  Adjust if necessary.	14		
3	Engine Oil	Check engine oil level, add oil if necessary.	16		
4	Throttle	Check for smooth operation.  Adjust if necessary.	16		
5	Lights/Signals/Switches	Check operation.	19		
6	Wheels/Tires	Check tire pressure, wear and damage.	17, 18		
7	Fittings/Fasteners	Check all chassis fittings and fasteners. Tighten / Adjust, if necessary.	19		

## CAUTION:

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

#### BRAKES



Brake Levers

Check for correct free play in the brake levers and correct if necessary. Make sure the brakes are working properly by checking at low speed shortly after starting out. (See page 32 for details.)

#### !!!WARNING

A soft, spongy feeling in the brake tover indicates a failure in the brake system.

Do not operate the scooter until the failure in the brake system is corrected. Ask a dealer for immediate repairs. A soft, spongy feeling could indicate a hazardous condition in the brake system.



Brake Fluid
Check the brake fluid level. Add fluid if necessary.

Recommended brake fluid: DOT4 If DOT4 is not available, DOT3 can be used. Brake Fluid Leakage (Front).

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

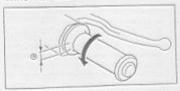
#### CAUTION:

Brake fluid may deteriorate painted surfaces or plastic parts. Never spill any fluid. If spilled, clean if up at once.

#### **HIWARNING**

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

## THROTTLE GRIP



a. Free play 3-5 mm

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

#### ENGINE OIL



1. Dipolick a Maximum level b Minimum level

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

Recommended Engine OV: Four stroke engine oil SAE 15w-40 SF

#### TIRES



To ensure maximum performance, long service and safe operation, note the following:

Tire air pressure

Always check and adjust the tire pressure before operating the scooter.

#### !!!WARNING

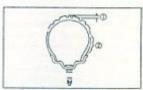
Tire inflation pressure should be checked and adjusted when the temperature of the tire equals the ambient air temperature.

Tire inflation pressure must be adjusted according to total weight of cargo, rider, passenger and accessories, and also vehicle speed.

Normal Tire Pressure: Front Wheel: 2008Pa Rear Wheel: 220kPa

#### !!!WARNING

Proper loading of your scooter is important for several characteristics of your scooter, such as handling, braking, performance and safety. Do not carry loosely packed items that can shift. Securely pack your heaviest items close to the center of the scooter, and distribute the weight evenly from side to side. Properly adjust the suspension for your load, and check the condition and pressure of your tires. NEVER OVERLOAD YOUR SCOOTER Make sure the total weight of the cargo, rider, passenger, and accessories does not exceed the maximum load of the scooter. Operation of the overloaded scooter could cause tire damage, an accident, or even injury.



1. Tread depth

2. Side walt

## TIRE INSPECTION

Always check the tires before operating the scooter. If center tread depth reaches the limit as shown, if the tire has a nail or glass fragments in it, or if the side wall is cracked, contact a dealer immediately and have the tire replaced.

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 the scooter to a dealer to correct tightening torque.

## LIGTHS, SIGNALS AND SWITCHES

Check all the lights, meter lights and indicator lights to make sure they are in working condition.

Check the operation of the handlebar switches and main switch.

## FUEL.



Filter tube 2. Fuel level
 Maks sure there is sufficient fuel in the tank.

#### !!!WARNING

Do not overfill the tank. Avoid spilling fuel on the hot engine. Do not fill the fuel tank above the bottom of the filler tube as shown in the illustration or it may overflow when the fuel hoats up later and expands.

### CAUTION:

Always wipe off spilled fuel immediately with a dry and clean soft cloth. Fuel may deteriorate painted surfaces or plastic parts.

Recommended Fuel: 90# unleaded gasoline Fuel Tank Capacity: Total 4.0L

## OPERATION AND IMPORTANT RIDING POINTS

## !!!WARNING

- Before riding this scooter, become thoroughly familiar with all operating controls and their functions.
   Consult a dealer regarding any control or function that you do not throughly understand.
- Never start your engine or let it run for any length of time in a closed area. The exhaust furnes are poisonous and can cause loss of consciousness and death within a short time. Always operate your scooter in an area with adequate ventilation.
- Before starting out, be sure to use the center stand for safety.

## STARTING A COLD ENGINE

- Turn the main switch to "ON" and the engine stop switch to " \( \rightarrow\)".
- 2. Completely close the throttle grip.
- Apply either brake and push the start switch to start the engine.

#### CAUTION:

- If the engine fails to start, release the start switch, wait a few seconds, then try again. Each attempt should be as short as possible to preserve the battery. Do not crank the engine more than 10 seconds on any one attempt.
- \* For maximum engine life, never accelerate hard with a cold engine.

STARTING OFF After warming up the engine:

signal.

Apply the rear brake lever with your left

hand and hold the rear grab with your right hand. Then push the scooter off the center

stand. 2. Sit astride the seat and adjust the rear

view mirrors. 3. Check the oncoming traffic and use a turn

4. Turn the throttle grip on the right handlebar

slowly and you will start off. Remember to

turn off the turn signal.

ENGINE BRAKE-IN

life of your scooter than the period between

There is never a more important period in the

zero and 1000 km. For this reason we ask

that you carefully read the following material. Because the engine is brand new, you must

not put an excessive load on it for the first 1000 km. The various parts in the engine wear and polish themselves to the correct operating

clearances. During this period, prolonged full

throttle operation, or any condition which might result in excessive heating of the

engine, must be avoied.

# STARTING OFF

stand.

After warming up the engine:

 Apply the rear brake lever with your left hand and hold the rear grab with your right hand. Then push the scooter off the center

view mirrors. Check the oncoming traffic and use a turn signal 4. Turn the throttle grip on the right handlebar slowly and you will start off. Remember to

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ENGINE BRAKE-IN

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There is never a more important period in the

and polish themselves to the correct operating clearances. During this period, prolonged ful

throttle operation, or any condition which might result in excessive heating of the Keep the riding speed below 60km/h within 1500km. See the following for details:

1, 0-300km:

Keep the speed below 30 km per hour.

2.300-500km:

Keep the speed below 40 km per hour.

3.500-1000km:

Keep the speed below 50 km per hour.

4. 1000-1500km:

Keep the speed below 60 km per hour.

#### CAUTION:

- After 1000 km of operation, be sure to replace the engine oil and clean the oil strainer.
- \* If the engine trouble should occur during the break-in period, consult a dealer

#### PARKING

When parking the scooter, stop the engine and remove the ignition key.

#### **IIIWARNING**

The muffler and exhaust pipe are hot. 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.

## PERIODIC MAINTENANCE AND MINOR REPAIR

Periodic inspection, adjustment and lubrication will keep your scooter in the safest and most effcient condition possible. Safety is an obligation of the scooter owner.

The maintenance and lubrication schedule chart should be considered strictly as a guide to general maintenance and lubrication intervals.

YOU MUST TAKE INTO CONSIDERATION THAT WEATHER, TERRAIN, GEOGRAPHICAL LOCATIONS, AND A VARIETY OF INDIVIDUAL USES ALL TEND TO DEMAND THAT EACH OWNER ALTER THIS TIME SCHEDULE TO SHORTER INTERVALS TO MATCH THE ENVIRONMENT.

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

#### !!!WARNING

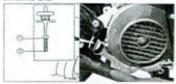
- If you are not familiar with scooter service, this work should be done by a dealer.
- \* This scooter is designed for use on paved road surface only. If this scooter is operated in abnormally dusty, muddy or wet conditions, the air filter should be cleaned or replaced more frequently. Otherwise, rapid engine wear may result. Consult a dealer for proper maintenance intervals.

## PERIODIC MAINTENANCE/LUBRICATION

A:Adjust C.Clean R:Replace T.Tighten 1:Check, Clean, Lutrication, Adjust or Replace T reconsum

ITEM	MOND HALL (6H)													Duly
	300	1000	2000	3000	4000	5000	5000	2000	1000	9900	10000	21000	13300	Check
Engine Off	R	R		R			R	-		n		-	R	1
Engine OI Strainer	c	C		C		16	С			C			0	_
Gear Oil	R			R			n			e			R	
Spark Plug	Cha	Clean at every 2000km, and replace if necessary.												
Valve Cherence(0.03-0.00)		A			A .				Α.				A	-
Certurelor	333	9000			1				1				1	
Air Cleaner	Clear	Clean the element at every 2000km and replace at every 5000km.												
Electrolyte of Bettery		Us	1	1	1	1	1	1	1			1:		
Fuel Streiner	Cleus	Owen at every 1000km replace if becausery												
Brake Bysters	1	1	1	1	1	1	1	1	,				1	1
Sowe and Nuts of Each Part	T		200			T					7	-	-	100
Concentration of Waste Cas	Frequently check and clean													-
Follow on the analogy of the mil	eege k	vervate	Signed at	hove F	meet	the last	ed over	hor						
If often ride in checks some elemen		-	_	-	in the same of the same	Andrew Line			-					

#### ENGINE OIL



- 1. Mareirum level 2. Minimum level
- 1. Oil level measurement
- Place the scooter on the center stand. Warm up the engine for several minutes.

#### CAUTION:

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

- Stop the engine and wall a few minutes until the oil level settles, then remove the dipstick.
- c. The oil level should be between the mininum and maximum mark on the dipatick. If the level is low, add oil to raise it to the specified level.

## 2.Engine oil replacement

Replace the engine oil after initial riding for 300km, then replace again after every 1000km later, check the oil level after every 500km, add oil to specified level if necessary (oil quantity: 0.9L).

Do as below described for replacement:

- 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 strainer with solvent.
- e.Reinstaff the oil strainer and drain plug.
- f. Fill the engine with oil and install the dipstick.

g.Start the engine and warm up for a few minutes. While warming up, check for oil leakage. If oil leakage is found, stop the engine immediately and check for the cause.

#### CAUTION:

If often ride on bumpy road, in cold area, or often have short distance rides, engine oil should be advanced replacement.



## GEAR OIL REPLACEMENT

Replace the gear oil after initial riding for 300km, then replace again after every half year or 3000km later.

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.

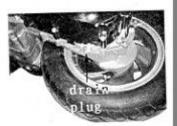
Recommended Oil: API GL-3 SAE 85W/140

Oil Capacity : 0.11L

## !!!WARNING

Do not let foreign material enter the gear case. Be sure oil does not get on the tire or wheel.

- 6. Reinstall the oil filler bolt.
- After replacing the gear oil, be sure to check the oil leakage.



#### CLEANING OF ALR CLEANER

The air cleaner should be cleaned at the specified intervals. It should be cleaned more frequently if you are riding in usually wet or dusty areas.

- 1.Place the scooter on the center stand.
- Remove the left side panel by removing the screws on it.
- Remove the air cleaner cover by removing screws on it.
- 4. Take out the air cleaner, and remove the
- Remove the air cleaner element and wash it gently, but thoroughly in solvent. It it is damaged, replace it.
- 6. Squeeze out the 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.

Recommended Oil: Same as engine oil.

8. Install the air cleaner and the air cleaner cover.

## CAUTION:

Drain the oil accumulated in the red tube after every 1000km riding.



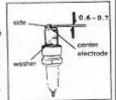
# SPARK PLUG INSPECTION

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine. 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. Do not attempt to diagnose any problems yourself. Instead, take the scooter to a dealer . You should perodically remove and inspect the spark plug because heat and deposits will cause the spark plug to slowly break down and erode. If electrode erosion becomes excessive, or if carbon and other deposits are excessive, you should replace the spark plug with the specified plug. Specified Spark Plug: C7HSA(NGK), A7RTC (CHN)

Before installing the spark plug, measure the electrode gap with a wire thickness gauge; adjust the gap to specification if necessary.

Spark Plug Gap : 0.6-0.7 mm

When installing the plug, always clean the gasket surface and use a new gasket. Wipe off any grime from the threads and tighten



the spark plug with your fingers first, then later with a torque wrench.

# BRAKE LEVER FREE PLAY ADJUSTMENT



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

The rear brake lever free play should be adjusted to 10-20 mm at the brake lever end.

Loosen the locknut and turn the adjusting bolt in direction A to increase free play while in direction B to decrease free play. Be sure to tighten the locknut after adjusting.

## !!!WARNING

When it is impossible to make the proper adjustment, ask a dealer to do this,

#### INSPECTING THE BRAKE FLUID LEVEL



Insufficient brake fluid may let air enter the brake system, possibly casing 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 fluid level, make sure the top of the master cylinder is level by turning the handlebars. 2.Use only the designated quality brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage, and poor brake performance.

Recommended Brake Fluid: DOT4 If DOT4 not available, DOT3 may be used.

- 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 the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapour lock.
- Brake fluid may deteriorate painted surfaces or plastic parts, Always clean up the spitled fluid immediately.
- 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.

 Have a dealer replace the following components during periodic maintenance or when they are damaged or leaking.

a. Replace all rubber seals every two years.

b.Replace all hoses every four years.

## CABLE INSPECTION AND LUBRICATION

Damage to the outer housing of cables may allow

## !!!WARNING

internal rusting and cause interference with cable movement. Replace damaged cables as soon as possible to prevent unsafe conditions.

Lubricate the inner cable and the cable end, if it does not operate smoothly, ask a dealer to replace them.

Recommended lubricant:

SAE 15W-40 SF

## BRAKE LEVER LUBRICATION

Lubricate the pivoting parts of both brake levers.

Recommended lubricant:

SAE 15W-40 SF

## CENTER AND SIDE STAND LUBRICATION

Lubricate the pivoting and mating joints.

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

Recommended lubricant: SAE 15W-40 SF

## !!!WARNING

If the center and/or side stand does not move smoothly, consult a dealer.

## FRONT FORK INSPECTION

**	IW	ΔF	IMI	IN	G
					***

Securely support the scooter so there is no danger of 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 an upright position and apply the front brake.
- b. Push down hard on the handlebars several times and check if the fork rebounds smoothly.

#### CAUTION:

If any damage or unsmooth movement is found with the front fork, consult a desier.

#### STEEPING 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 deafer to inspect and adjust the steering. Inspection is easier if the front wheel is removed.

#### HIWARNING

Securely support the scooter so there is no danger of 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. If the fuse immediately blows again, consult a dealer.

#### CAUTON:

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

Specified Fuse: 15A

# **CLEANING & STORAGE**

## A.CLEANING

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

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

#### CAUTION:

Excessive hose pressure may cause water seepage and deterioration of wheel bearings, front fork, brakes, transmission scals and electrical parts. Many expensive repair bills have resulted from improper high pressure detergent applications.

 Once the majority of the dirt has been hosed, wash all surfaces with warm water and mild, detergent-type soap.

An old toothbrush or bottle brush is handy for hard-to-touch places.

 Rinse the scoter off-immediately with clean water and dry all surfaces with a chamois, clean towel, or a soft absorbent cloth.

#### 6. Windscreen Cleaning:

#### CAUTION:

Avoid using any alkaline or strong acid cleaner, gasoline, brake fluid, or any other solvent.

Clean the windscreen with a cloth or sponge dampened with a neutral detergent, and after cleaning, thoroughly wash it of with water. Some cleaning compounds of plastics may leave scratches on surfaces of the windscreen. Before using them, make a test by polishing an area which does not affect the visibility.

 Clean the seat with a vinyl upholstery cleaner to keep the cover pliable and glossy. 8. Automotive-type wax may be applied to all pointed and chrome-plated surfaces, Avoid combination of cleaner and wax. Many contain abrasives which may mar the point or protective finish. When finished, start the engine and let it idle for several minutes.

## B.STORAGE

Long term storage (60 days or more) of your scooter will require some preventive procedures to guard against deterioration.

After thoroughly cleaning the scooter, pre-

pare for storage as follows: 1. Drain the fuel tank, fuel lines and carburetor float bowl.

2.Remove the spark plug, pour about one tablespoon of SAE 15W-40 SF in the spark plug hole and reinstil the spark plug. Turn the engine over several times (ground the spark plug wire) to coat the cylider wall with oil.

## !!!WARNING

When using the starter motor to crank the

engine, remove the spark plug wire, and ground it to prevent sparking.

- 3. Lubricate all control cables.
- Block up the frame to raise both wheels off the ground.
- Tie a plastic bag over the exhaust pipe outlet to prevent moisture from entering.
- If storing in a humid or salt-air atmosphere, cost all exposed metal surfaces with a light film of oil. Do not apply oil to any rubber parts or the seat cover.
- Remove the battery and charge it. Store it in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place (less than 0°C or more than 30°C).

## 

scooter.

# TECHNICAL DATA

TYPE: SG12

11.01 0015			
Subject	Technical Datata	Subject	Technical Details
Questi Dimension LySvH	1835v720v1055 mm.	Engine Type	1-cylinder, 4-Droke, Spani ignition
Wheel Base	1300mm	Ocre&Droke	52.4x57.8 mm
Minimum Oround Chapteron	110 mm	Cylinder Capacity	125cm*
Dry Weight	106kg	MaximumPower	6.4kw @7500min <sup>-0</sup>
Maximum Loading	150kg	MaximumTongue	6.01L/HQ4750HH1 <sup>1</sup>
Madrum Speed	28km/h	fitting Speed	1600 ± 100 min *
Economic Fuel Consumption	2.8 L/100km	Engine Ol Type	SAE 19W-40 SF
Fuel Tank Capacity	4.00,	Geer Oil Type	APT GL-3 SEA RSW/140
Fuel Typle	Petral	Spark Phig	ATRITO(CHRO)/CPHSA(NGR)
Battery.	12V 77AK	Clutch	Dry, Centrifugal, Auto
Tyre Pressure	Front 200' Rear 220 (bps)	Trensmission	CVT

# **TECHNICAL DATA**

TYPE: 150cc

Subject	Technical Details	Subject	Technical Details
Overall Dimension L×B×H	1855×720×1055 mm	Engine Type	1-cylinder,4-Stroke,Spark ignition
Wheel Base	1320mm	Bore&Stroke	57.4×58.4 mm
Minimum Ground Clearance	115 mm	Cylinder Capacity	151 cm <sup>3</sup>
Dry Weight	106kg	MaximumPower	7.0kw @7000min <sup>-1</sup>
Maximum Loading	150kg	MaximumTorque	10.5N.m@6000min <sup>-1</sup>
Maximum Speed	85km/h	Idling Speed	1700±100 min <sup>-1</sup>
Economic Fuel Consumption	2.8 L/100km	Engine Oil Type	SAE 15W-40 SF
Fuel Tank Capacity	5.0L	Gear Oil Type	API GL-3 SEA 85W/140
Fuel Type	Petrol	Spark Plug	A7RTC(CHN)orC7HSA(NGK)
Battery	12V /7Ah	Clutch	Dry, Centrifugal, Auto
Tyre Pressure	Front 200/ Rear 220 (kpa)	Transmission	C.V.T.