

Dear Customers:

Thank you for purchasing a Genuine Scooter Company scooter. The efficiency and longevity of each scooter will depend heavily on the operating method of each user. This owner's manual will provide you with operating instructions, precautions, and general maintenance information required to safely operate and maintain your scooter. Please read the entire manual before operating your scooter.

Please be aware of your scooter's engine size and configuration (150 c.c or 220 c.c) while reading this manual. If you have any questions, please ask your dealer for assistance.

WARNING: DO NOT POLISH/WAX MATTE PLASTIC SURFACES. CLEAN ONLY WITH SOAP AND WATER.

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Check List before Delivery

Name : _____ Tel : _____ Age : _____ Sex : _____
 Address : _____
 Model : _____ Engine No : _____ VIN No : _____
 Delivery date : _____ Year _____ Month _____ day _____ Dealer : _____

NO	Check Item	Y	N	NO	Check Item	Y	N
1	Steering of Handle Bar			8	Tire Pressure		
2	Gap of Brake Lever			9	Confirm Engine No & Document		
3	Lights and Horn			10	Owner's Manual		
4	Fuel Tank and Fuel Kind			11	Operating Method Introduction		
5	Engine Oil			12	Periodic Maintenance introduction		
6	Disk Brake fluid			13	Warranty Introduction		
Staff Signature :				Customer Signature :			

Suggestion :

※Please Sign both customer & service Staff

※Mail this chart to agent, and then the Warranty will be effective.



Warranty Card

Name		Telephone	Registration date
Address			
Model		Displacement CC	Engine NO. Vin NO.

Customer Signature

Dealer Signature

LIMITED WARRANTY FOR GENUINE SCOOTERS

This is to be presented by the authorized GENUINE dealer to the purchaser of GENUINE scooters. We provide the following services:

1. TO OBTAIN THE WARRANTY SERVICE

A. Effectiveness of the warranty

- a. After completing the warranty card, the GENUINE selling dealer will give you the warranty card.
- b. Please bring your scooter back to the original dealer for initial maintenance within 30 days after purchase, then the warranty is effective.

B. Warranty period

※For the detail warranty condition, please check with your dealer.

2. PROCEDURE OF THE WARRANTY

- a. The customer must maintain scooter periodically according to GENUINE user's book and keep the complete maintenance record.
- b. The dealer shall check the warranty card, periodically maintenance record, license card for the customer.
- c. Only the GENUINE authorized dealer can accept the warranty application.

3. THINGS NOT COVERED IN THIS WARRANTY

A. Any of the followings are not covered:

- Defects caused by inappropriate maintaining or any artificial damages.
- Any accidents caused by natural disasters or out of human's control.

- Did not use fuel or spare parts provided or recommended by the GENUINE , or made any modification of the scooter.
- Scooters used for competition , performance or rental vehicle.
- Any re-assembling or dismantling of scooters which violates the rules of GENUINE service manual.
- Defects caused by unlicensed rider.
- Improper storage or transport.
- Not following the riding rules of Government or GENUINE Manual Guide.

B. The following expenses are not covered:

- (1)Consumable goods(including battery, bulbs, rubbers, cables, screws, piston rings, spark plugs, gaskets, brake pads, brake linings, clutch lining, springs, V-belt, CVT-rollers, fuses, air filter elements, oil filter, fuel filter)
- (2)Material of periodic maintenance and inspection, such as fuel, lubricant and fluid.
- (3)Any costs caused by the break down of the scooter. (including telephone bill, travel fee, transportation fee, rental fee, fines)

4. INTERRUPTION OF THE WARRANTY PERIOD

The user should send the scooter to repair immediately after the defects are found. If the defect worsens due to the delay of the repair, the GENUINE will not be responsible for the damage.

IF THERE IS A MAJOR CHANGE IN THE WARRANTY COVERAGE, THE GENUINE WILL MAKE OFFICIAL ANNOUNCEMENT TO ALL DEALERS AND WILL NOT

■ SCOOTER SAFETY

▲WARNING

.Scooter riding requires special afford on your part to ensure your safety.

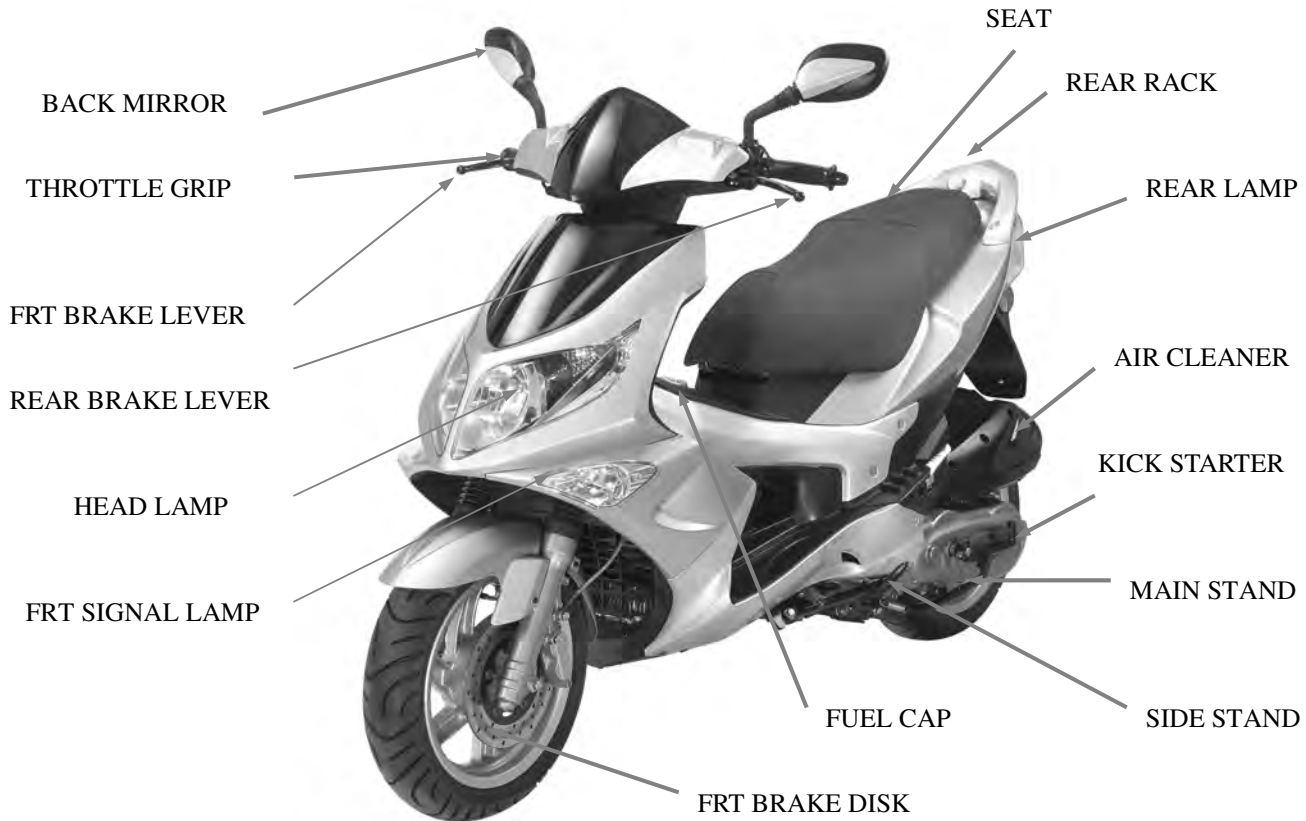
Know these requirements before you ride:

SAFE RIDING RULES

1. Always make a pre-ride inspection(page 18) and perform any needed adjustments or repairs before you ride the scooter.
2. Many accidents involve inexperienced riders. Most countries require a special scooter riding test or license. Make sure you are qualified before your ride.
NEVER lend your scooter to an inexperienced rider.
3. Many automobile/scooter accidents happen because the automobile driver does not "see" the motorcyclist. Make yourself conspicuous to help avoid the accident that wasn't your fault:
 - Wear bright or reflective clothing.
 - Don't ride in another motorist's "blind spot"
4. Obey all national and local laws and regulations.
 - Excessive speed is a factor in many accidents. Obey the speed limits, and NEVER travel faster than conditions warrant.
 - Signal before your make a turn or lane change. Your size and maneuverability can surprise other motorists.

5. Don't let other motorists surprise you. Use extra caution at intersections , parking lot entrances and exits, and driveways.
6. Keep both hands on the handlebars and both feet on the floorboards while riding. A passenger should hold on to the scooter or the feet on then passenger foot pegs.
7. Never leave your scooter unattended with the engine running.
8. Moderate your speed when ridding over bumpy roads. Avoid hitting road hazards, such as sharp bumps and holes, in the road surface. These hazards can cause loss of control or structural damage to the vehicle.

Part location:



■ IDENTIFICATION

1. Recognize your vehicle model according to license document or manufacturing document.
2. This manual includes 5 kinds of engine models:
 - **BLUR 150i**: abbreviated as “**M2-150BBE**” is 4 stroke(4T) / 150cc / 4 valve / EMS engine .
 - **BLUR SS220i**: abbreviated as “**M2-220BAE**” is 4 stroke engine (4T)/ 220cc engine/EMS engine.

3. Vehicle Identification Number (VIN) is located (stamped) inside the inner front cover.



NOTE:

The first 9 digitals are model type, the last 8 digitals are production serial numbers.

Your dealer need this number for ordering the parts, please

Write down the engine no. for their reference.

The basic functions of M2 are same to previous page, the additional futures are:

1. All the power is cut off, the key can be pulled out at this position.
2. The power is ON, engine can be started, the key can not be pulled out at this position
3. The handle bar is locked at this position.
4. “Push + turn counterclockwise”:
to open the seat.
5. When at position #1, “Push + turn clockwise” to open the fuel cap.
6. For anti-thief purpose, push to close the core of key set,
7. Press the key to get anti-thief key out.
8. Push the anti-thief key into position #8, then the core of key set will open again.



A · Main items

1. Engine speed:

- Multiply the indicated digital by 1,000 rpm. (round per minute)

2. Vehicle speed:

can change unit by(km/h) or (mile/h)

display mode: (ODO) or (TRIP)

3. Fuel meter: will twinkle when below 3 grids!

- The fuel gauge shows the approximate fuel supply available. At F (full) there. are 7.0 liters approximately, including the reserve supply.
- When the meter pointer reaches below 3 grids, there is only 1 liter fuel residual in the tank, refill the tank as soon as possible.

4. Clock: 24 hours format

- this clock is powered by vehicle battery, there is not any individual battery inside it.
- Once replace the battery, you have to settle the present time again

5. EMS check(red) (for EMS MOLD)

- Self-test whenever turn on the key for ~3 seconds.
- When lights on again during driving, please contact your PGO dealer to check the EMS units.

6. Engine oil warning light (orange)

- 2T model: fill the 2T engine oil ASAP.
- 4T model: replace the 4T engine oil, then Reset the counter.

7. Engine stop warning light (red)

remind you the Engine stop button working, you can't start the engine now!

8. High beam (blue) : when (high beam) or (PASSING)

- When the HI/LO beam switch is set on 'HI', this indicator will light on
- or (PASSING)

9. Signal indicator (green) :

When the blinker switch is shifted, this indicator will flash and tickling.

10. SELECT button: refer to next page

11. RESET button: refer to next page



B. Control button:

function mode	key	display	SELECT	RESET	result
Vehicle speed	ON	km	Click		Mile
		mile	Click		Km
(ODO) / (TRIP) switching	ON	ODO		Click	TRIP
		TRIP		Click	ODO
Reset (TRIP)	ON	TRIP		Click 3 sec.	Reset TRIP to 0
Reset (Clock)	ON	normal	Click 3 sec. (both 2 buttons)		(Hour) twinkle
		(Hour) twinkle		Click	0~23 increasing
		(Hour) twinkle	Click		(Minute) twinkle
		(Minute) twinkle		Click	0~59 increasing
		(Minute) twinkle	Click		normal
		When increasing		Click 3 sec.	Increasing rapid
Reset (4T oil indicator)	ON	Forever ON	Click 3 sec.		twinkle
		twinkle		Click 3 sec.	OFF
Cancel Reset (4T oil indicator)	ON	twinkle	Click		Forever ON

HANDLE-BAR CONTROLS

FOR M2 ALL MOLD

1. HI/LO BEAM SWITCH

HI-The high beam is on "☰D"

LO-The low beam is on "☳D"

Press the lower part to make a passing signal.

2. Turn Signal Switch

Move to ← to signal a left turn, → to signal a right turn.

Press central part to turn signal off.

3. Horn Button

When the horn button is pressed, the horn will sound.

4. ENGINE RUN/OFF Switch

Press lower part to stop the engine, and press upper part to run the engine .

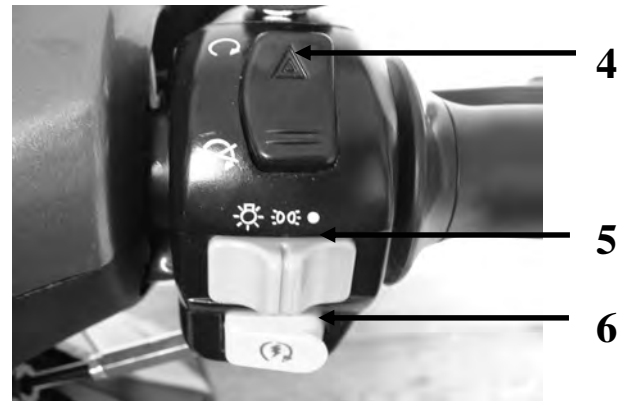
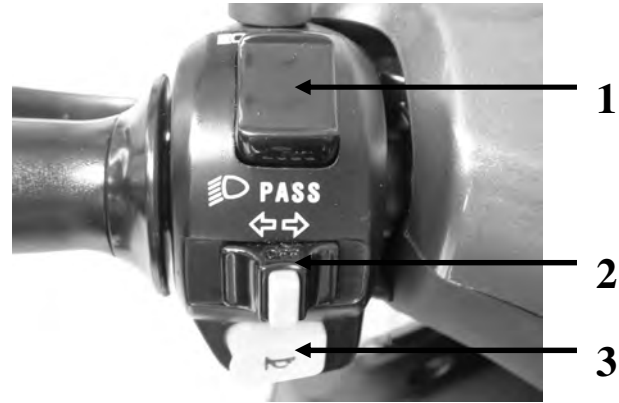
5. HEADLIGHT Switch

ON-Headlight, position light, taillight and meter light will be on, when the engine is running.

6. STARTER BUTTON

The starter button is below the headlight switch .

When the starter button is pressed, the starter motor cranks the engine.



■ STEERING LOCK

To lock the steering, turn the handle all the way to left and turn the key from

"⤴" to "⊠" , then remove the key.



NOTE:

Do not turn the key to "⊠" while riding.
The scooter loss of control will occur.

■ SEATLOCK

Push the key and turn counterclockwise to open the seat.



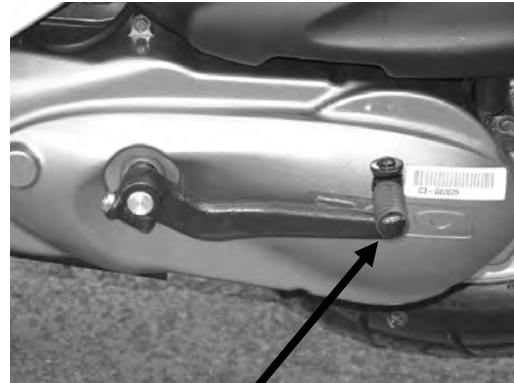
FUEL TANK CAP

- Insert the key into ignition switch, and keep in position "0". Turn the key and turn clockwise to open the fuel cap.
- Push the cap forward to lock it.



KICK STARTER LEVER

Swing the lever outwardly. Kick the lever down slowly till the gear stop, then kick the lever down strongly to start the engine.



KICK STARTER

LUGGAGE COMPARTMENT

- The luggage compartment is under the seat.
- Whenever the seat is opened, there is a lamp inside the luggage will light on.
 - 1.This lamp will “OFF” whenever the seat is lock well.
 - 2.For saving the battery power, this lamp will “OFF” automatically after about 1 minute lighting.
 - 3.If 1 minute lighting time is not enough for your purpose, you have to turn on & turn off the key to get another 1 minute lighting!



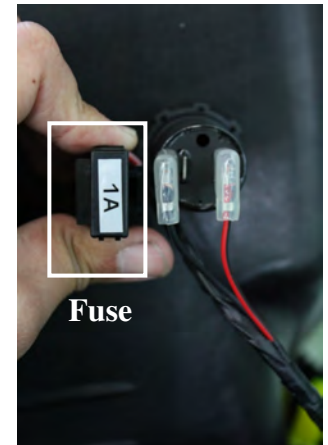
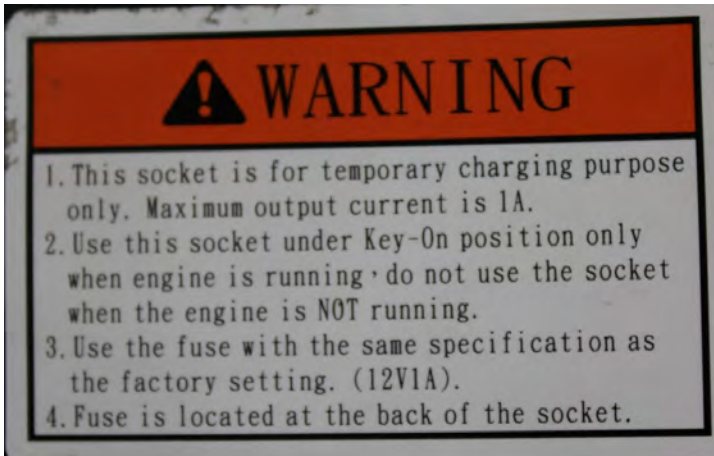
NOTE:

- 1.The max loading weight is 5 KGS.
- 2.If engine has been operating over a long time. The luggage compartment become hot. Do not put luggage in the temperature
- 3.Do not put important or fragile goods for security reason.
- 4.Raining or wash may cause luggage wet inside. Please use water-resistant material for luggage wrapping.
- 5.Please lock the cover when leaving the scooter.

12V CHARGER

CAUTION:

1. BLUR 150i/ss220i is equipped with cell phone charging seat, as right figure shown:
2. Before using it, please read the warning labels first and obey it.
3. **The fuse (1A) is located inside the made in storage**



■ PRE-RIDING INSPECTION

Please do the inspection as following before riding:

ITEM	PROCEDURE	PAGE
FRONT BRAKE	Check the brake function, clearance , brake oil level, see if it is leaking. If necessary, may refill FMVSS DOT3(4) OR SAEJ 1703 brake oil.	20、21、31、41、42
REAR BRAKE	Check the brake function and clearance, proper adjustment if necessary.	20、21、31、41、42
THROTTLE GRIP	Check if it is smooth, put some lubricant .	28
LUBRICANT	Adjustments if necessary. Check the oil level/according to the request to refill oil.	22
TIRE	Check the pressure, the wear out situation.	26
CONTROLLER /GAUGE CABLE	Check if smooth operation. Add lubricant if necessary.	—
BRAKE LEVER (HANDLE)	Check if smooth operation. Add lubricant if necessary.	20
CENTRAL STAND	Check if smooth operation. Add lubricant if necessary.	—
ASSEMBLY /FITTING	Check all the assembling parts, fixing & adjusting if necessary.	—
FUEL TANK	Check the fuel level. Refill up if necessary.	16
LAMP /SIGNAL LIGHTS	Check if it is operating good condition.	27

BRAKE

Adjustment:

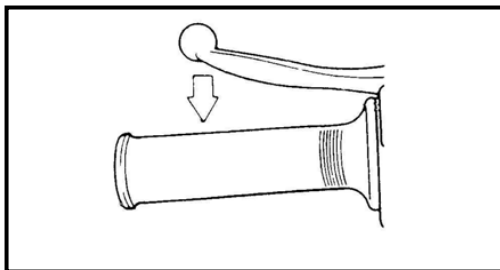
1. Measure the distance of the rear brake lever play before the brake starts to take hold.

Free play should be: 10~20mm.

2. Make free play adjustments by turning the adjusting nut at the brake arm. (Drum brake only)

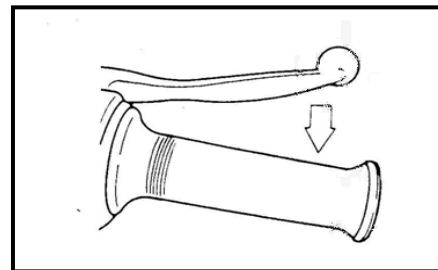
Make sure the cutout on the adjusting nut is seated on the brake arm pin after making final free play adjustment.

3. Apply the brake several times and check for free wheel rotation when released.



FRONT BRAKE

The front brake will be on function when hold the handle and pull the right hand lever.



NOTE:

If the pre-riding inspection is not performed, severe personal injury or vehicle damage may result. Inspect your scooter, and perform any needed adjustments or repairs, every day before you ride it. The items listed above will only take a few minutes to check and, in the long run, can save time, expense, and possible your life.

BRAKE (Please refer to page41-42)

1.Rear brake levers(Drum brake only)

Inspect the free play of levers. Make sure the function is well.

Please check the brake at low speed, adjust the free play if it is not correct.

CAUTION

If the brake lever feels soft when operating,
Which means the brake system has problem.
Do not ride the scooter before the problem is ruled out.

2.BRAKE FLUID (Disk Brake)

Check the fluid level. Refill it if necessary.
Fluid Spec. FMVSS DOT3 or SAE J1703

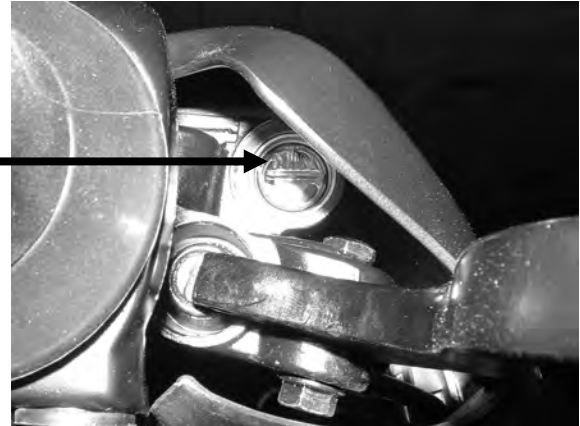
3.DISK BRAKE PAD (Disk Brake)

Please refer to page 42. Please go to the PGO Dealer when this brake needed repairing.

BRAKE FLUID LEAKAGE

INSPECTION

Hold the brake level for few minutes to check if there is any fluid leaks from the hose connector or main cylinder.

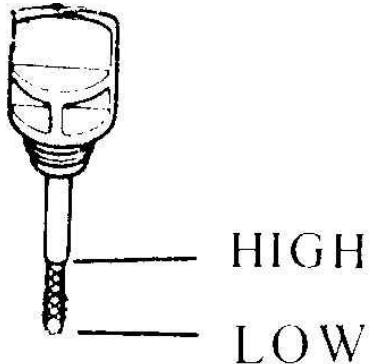


CAUTION

Go to the PGO dealer immediately when find the brake fluid is leaking.
The leakage means the braking system has deadly dangerous problem.

4T Engine (150/ 220 CC)

- Engine oil shall be replaced per 1,865 mile.
- Engine oil volume must be examined after engine warm-up 2~3 minutes. Be sure to execute on flat road.
- Draw out and examine the oil gauge. Please refill if the volume below the low warning line.



Air cleaner

The air filter will keep dust away from the engine and also protect it against wearing out. Please ask the dealer to check & clean the filter periodically, or by yourself.

1. 4T Engine (125 / 150 CC)

Wet paper filter element



4T Engine (125 / 150 CC)



Note:

Don't forget to install the element seal !

Air cleaner

The air filter will keep dust away from the engine and also protect it against wearing out. Please ask the dealer to check & clean the filter periodically, or by yourself.

1. 4T Engine (M2-220 CC)

Wet paper filter element



4T Engine (M2-220 CC)



Note:

Don't forget to install the element seal !

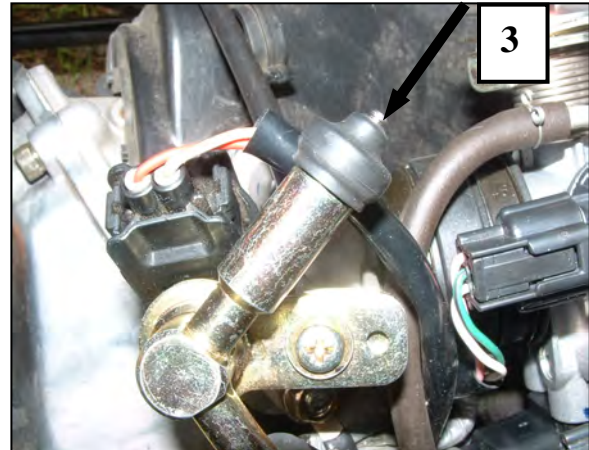
Fuel draining

(EMS model only)

Fuel draining device (EMS model only):

If the vehicle is stored continually more than 1 month, the fuel inside the hose might be bad for starting the engine, then you have to:

1. Withdraw the rubber cap inside the luggage.
2. Turn ON the main key. (Don't start the engine now!)
3. Press the drain valve by finger to drain the fuel. (Not necessary to dismantle the luggage)
4. After draining the bad fuel inside the hose, then you can start the engine.



TIRE

To secure the best performance & extend life-span, please pay your attention to the following:

1.TIRE PRESSURE

Be sure that tire pressure in accordance with the standard pressure.

NOTE:

The inside temperature of tire must be even to outside or else pressure need to be adjusted. Besides the factor of loading, weight even cruising speed should take into consideration before adjusting.

The normal tire pressure:

Front:2.0kg/cm²

Rear :2.0kg/cm²



a.TIRE PRESSURE TOO HIGH



b.TIRE PRESSURE TOO LOW

2.SIMPLE CHECK:

Check the tire appearance before riding.

Please ask your dealer for repairing or replacing if the appearance has been detected significant worn out or stabbed by nails, or glass.

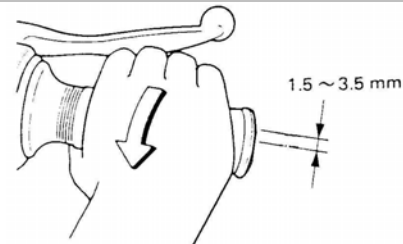
3.INSPECTION FOR THE DEPTH OF THE TIRE GROOVE:

The appearance will become slippery due to significant worn out dusty or wet road riding.

Please replace the tire if the depth is less than 0.8mm, see the following picture for reference.

THROTTLE GRIP

- Turn the grip and check the clearance & operation situation.
 - Make sure the grip will automatically return to the original position.
- Ask your dealers for adjusting advice if necessary.



LAMPS & SIGNAL LIGHTS

Make sure the front lamp, rear lamp, brake lamp, turn signal lamp, tail lamp and all other indicator lights working well.

SWITCHES

Make sure the switch of head lamp, turn signal lamp, brake lamp , horn, start button, and over take lamp working well.

FUEL

Be sure sufficient fuel in tank.

Tank capacity: 7.5 L

CAUTION:

1. Please fill the unleaded gas if your scooter is equipped with catalyster.
2. Do not fill up the gas over the neck of gas entrance , otherwise it will be spilling out due to the hot temperature.
3. It may cause inflammable if gas is split onto the engine or muffler.

CATALYSTER (OPTIONAL DEVICE)

Catalyst device is designed for decreasing air pollution from exhaust system and it is mounted inside the muffler.



1. Make sure to park your scooter away from flammable material, pedestrian or child to avoid danger due to yielding hot from muffler cover.
2. Don't try to use any fuel if it is not unleaded gas.
3. Don't try to turn off the main switch when riding.
4. Don't try to ride, idle or stop on the surface of inflammable.
5. Please keep your engine in good function all the time, otherwise high temperature will yield from catalyst device due to short circuit ignition, or fuel system working abnormal.
6. Please periodically maintain your scooter to ensure exhaust control system and catalyst device working well.

NOTATION FOR OPERATION & RIDING

1. Please make sure you are familiar with all the operation system & function before riding. Please contact with your dealers if there's any question.
2. Do not start the engine in a closed place due to potential gas, threat from poisonous exhaust amassed.
3. Please be noted the side stand must be withdrawn from the ground before riding, otherwise dangerous situation may occur due to your ignore.

STARTING ENGINE

1. Turn the main switch to "ⓘ"
2. When the throttle is totally loosed, hold the brake lever and push the start button, or use the kick starter to start the engine.

CAUTION:

1. If the engine can't be started, you should loose the start button to avoid losing significant electric power. Please do not push the button over 5 seconds per each time.
2. On occassions there is not any fuel residual in the carburetor. Fuel pipe or reserve fuel tank, you may not use the kick starter to start the engine; That time only electric starting button can achieve starting the engine.



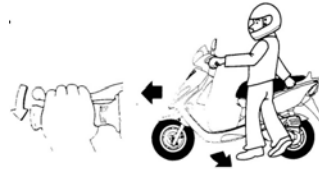
NOTATION FOR OPERATION & RIDING

WARMING UP THE ENGINE

To protect the engine, please warm up the engine 1~3 minutes before riding. Do not immediately accelerate when the engine is cold.

NOTE:

Please read the instruction “engine initial run-in” page30 before initial riding.

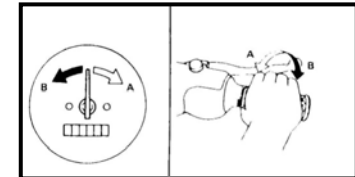


- Scooter riding (after warming up the engine):

1. Hold the brake lever and push down the central stand.
2. Adjust the angle of rear view mirrors within visible field.
3. Try the function of signal light before riding.
4. Turn the throttle grip gradually then close the signal light during riding.

- Accelerating (throttling):

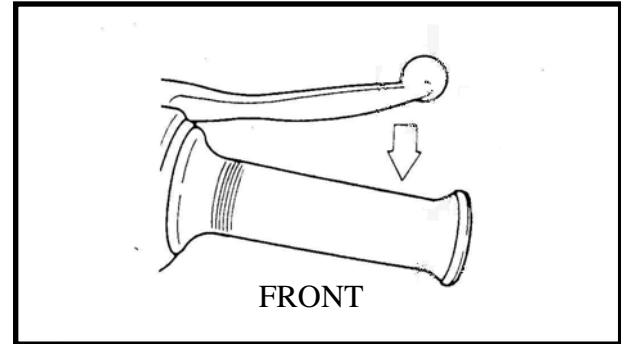
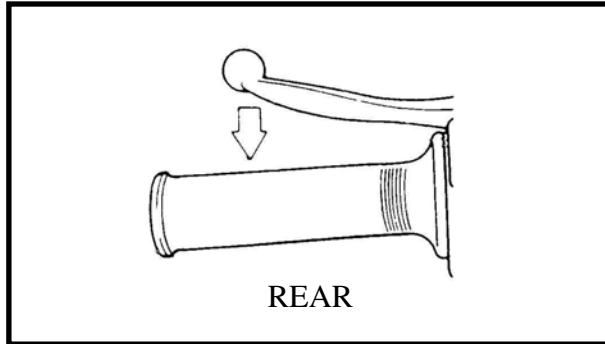
Use the throttle grip control your cruise turning it towards your Side (A) will speed up, and reversing (B) it will slow down.



NOTATION FOR OPERATION & RIDING

BRAKE OPERATION

1. Release the throttle grip.
2. Press front and rear brake levers gradually.



NOTE:

1. Sudden stop will cause sliding or falling down.
2. Use the braking carefully while you are turning, improper use of brake may cause sliding.
3. Slow down the speed when riding on the iron plate, railway track, wet road.
4. Braking on the wet road is difficult.
5. Slow down the speed when sloping down.

ENGINE INITIAL RUN-IN

0~620 mile riding will be the critical period regarding scooter life span. The new engine can't afford too much loading during the first 620 mile. Every part of the engine will be run-in to obtain the correct clearance in this period. Be sure to avoid prolonging the throttling out totally or any operation causing high temperature in the engine. Please read careful the following information.

1 .0~95 mile

Avoid over 1/2 throttling operation. Cool down the engine 5~10 min/ hour. Do not cruise by constant speed for riding.

2 .95~310 mile

Avoid over 1/2 throttling operation for long riding.

3. 310~620 mile

Avoid over 3/4 throttling operation.

NOTE:

Change gear & engine oil after first 200 mile.

4. OVER 620 mile

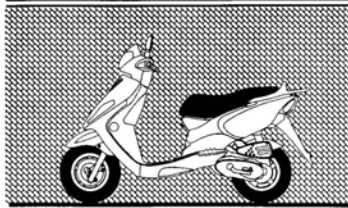
Avoid full throttling in a long riding.

NOTE:

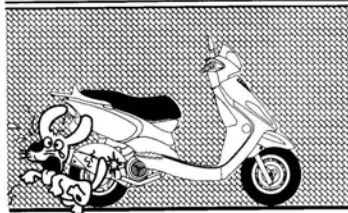
Please contact your dealers if any problem takes place during above periods.

PARKING:

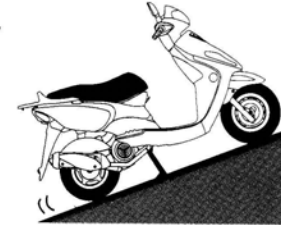
Turn off the engine and pull out the key when parking the scooter.



CORRECT



INCORRECT



INCORRECT

NOTE:

1. Please park your scooter away from the child & pedestrians if the muffler is hot. Do not park your scooter on a slop or soft ground to avoid falling down.
2. This scooter is optional equipped with side stand safety switch, whenever you park it with side stand, then the engine can not be started for your safety.

PERIODICAL MAINTENANCE

To secure the most safe & effective performance, please check, adjust and lubricate your scooter periodically. Periodical maintenance and lubrication should be acknowledge as an important instruction. Meanwhile, please pay your attention to the environment, climate, geography and riding status in order to set up a proper maintenance interval.



NOTE:

This scooter is designed to be riding on normal paved road. If under a dirt & wet condition, please clean the air-cleaner frequently, otherwise the engine will be worn out quickly.

If you are not familiar with the inspection & maintenance, please contact your dealers.

PERIODICAL MAINTENANCE TABLE

In order to achieve safe riding, good performance and reduce pollution, please execute the recommended maintenance accordingly.

Item	Model	Checking Content	MONTHS/DISTANCE(MILE) FOR CHECKING						
			1 or 200	3 or 1800	6 or 3600	9 or 5400	12 or 7200	15 or 9000	18 or 10800
Engine oil*	4T	M2-150:800cc, total 1000cc M2-220: 1000cc, total 1400cc	R	Replace it initially 200mile, and then replace it per 1800 mile					
Oil Filter	M2-150 M2-220	Replace	R	replace it per 3600 mile					
Coarse oil filter* (on oil draining bolt)	4T	Clean or replace it if necessary	C	clean it initially 200mile, and then replace it per 3600 mile if necessary					
Air cleaner	ALL	Crack and blockage check.		I					
Air filter	ALL	Clean or replace it if required		I	I	I	I	I	I
Gear oil*	ALL	M2-150: 90cc, total 110 cc M2-220: 110cc, total 130 cc	R	R	I	I	R	I	I
Disk & drum brake	ALL	Leaking and function check		I		R		R	
Clutch shoes*	ALL	Check or replace it if necessary			I	I	I	I	I
Tires	ALL	Worn-out check or replace it if necessary		I	I		I		I
Wheel bearing*	ALL	Fasten tightly if loosen		I	I	I	I	I	I
Front fork*	ALL	Leaking and function check	I		I	I	I	I	I
Steering head bearing*	ALL	Check looseness. Adjust it if required			A		A		Steering head bearing *

Item	Model	Checking Content	MONTHS/DISTANCE(MILE) FOR CHECKING						
			1 or 200	3 or 1800	6 or 3600	9 or 5400	12 or 7200	15 or 9000	18 or 10800
Steering head bearing*	ALL	Check looseness. Adjust it if required			A		A		A
Rear absorber*	ALL	Leaking and function check			I		I		I
Main/Side Stand	ALL	Function check or replace it if required		I	L	I	L	I	L
Nuts, bolts, fasteners	ALL	Tighten it if required		I	I	I	I	I	I
Battery	ALL	Recharge the battery it required. Clear the poles.		I	C	I	C	I	C
Valve gap*	4T	M2-150: 0.08mm/ IN&EX M2-220: 0.08mm/ IN&EX	Adjust it when necessary						
Spark plug*	ALL	Clear or replace if required		I	R	I	R	I	R
V belt*	ALL	Worn out check or replace if necessary.			A		A		A
Fuel feeding system*	EXCEPT EMS	Crack and blockage check. Replace it if necessary.			I		R		I
Fuel feeding system *	EMS ONLY (Injection)	Inspect hose, clamp, and replace the filter per 10800mile			I		I		R
Engine idle speed*	ALL	4T engine: 1700±100 rpm	A	A	A	A	A	A	A
Carburetor idle A/F Adjustment*	ALL	Check and adjust referring to CO/HC Percentage.	A	A	A	A	A	A	A
EMS function check*	EMS ONLY (Injection)	Inspect EMS function, and clear the defect memory if necessary		I	I	I	I	I	I

REMARKS :

1. **A:** adjust **C:** clean **I:** inspect, or replace if necessary **L:** lubricate **R:** replace
2. Items with " *" mark indicate our recommendation to have it done by **GENUINE** dealer.

NOTE 1 :

For 4T engine, the engine oil shall be changed completely after run-in period 200mile or one month later.
This can make sure the engine runs smoothly.

NOTE 2 :

The exchange of brake fluid

1. After disassembling of brake main cylinder or caliper, do change the new fluid.
2. Check the fluid level often, Refill if necessary.
3. Change the oil seal of main cylinder and caliper every two years.
4. Change the brake fluid hose every four years.

■ Exhaust control system (only be valid for the bike equipped catalyst)

Catalyster will not be possible to be withdrawn individual, the only you have to do is to maintain fuel, ignition, intake/exhaust system periodically.

1. Maintenance procedure of air clearer (see page 24).
2. Spark plug's checking: please repair or replace if spark plug is dirty.
3. Fuel system's checking: please repair or replace if fuel pipe is jammed or broken.
4. Muffler's checking: please fix tightly once or renew a gasket if it is leaking.
5. Idle rpm's checking: please fix tightly once or renew a gasket if throttle cable.
6. Exhaust density checking while idle: please left the job to any service center of anti-pollution inspection for carburetor adjusting.

THE AIR-CLEANER

4T Engine



2T Engine (50 cc)



If there is too much accumulation of dust inside the air cleaner, it will reduce the output of engine performance and cause abnormal consumption of fuel.
Procedures of changing the air element:

1. Take off the cover of filter.
2. Draw the core of filter.
3. Clean and dry by air compressor, or replace it if necessary.
4. Put the cover back carefully to make sure fitted to the cover without leakage.

NOTE : Please do not start the engine before the air-cleaner is assembled, otherwise the piston/main case will be badly worn out.

THE SPARK PLUG

Spark plug is one of the important parts of the engine and it is easy to be checked. According to spark plug condition, you may infer the situation of the engine. The ideal color of the electrode should be light brown. If there's any problem, please ask your dealers to check will be corroded & worn out due to the hotness and dirt for the time being. If happened, please change a new spark plug.

- Standard spark plug: recommend you to use the same or equivalent specification as original PGO manufactured. (refer to Specification Chapter)
- Spark plug gap : 0.6~0.7mm for general model
- Torque: 1.2kgf-m

When checking the spark plug, please cleaning the surface of the washer and screw, the fasten it.

NOTE:

If there is no wrench or torque gauge can be used, please wrenching it by your fingers turn 1/4~1/2 and later use the wrench to fix it to the standard torque once available.

EXCHANGE OF GEAR OIL

- Please change the oil after first 200 mile ride, then it is recommended to change the gear oil every 3600 mile(5,500~6,000 kms).
- Regular changing oil :SAE 140



BRAKE ADJUSTMENT

The clearance of lever

- (a) Front brake: 10~20 mm
- (b) Rear brake: 10~20 mm

Adjust the nut if necessary.

NOTE:

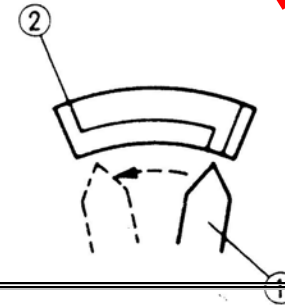
Please contact to PGO dealer if the clearance is incorrect.



Rear brake check (only for Drum brake model)

The indicator will help you to easily screen the status of brake function. Please replace the shoe of rear brake if indicator reaches the warning line.

- 1. Brake indicator
- 2. Warning line



Front brake check

Please acting the brake for checking. If the indicator almost reach the disk, please ask your dealers to change it.

NOTE: If the brake area is wet (getting water), the brake will be out of order and jeopardizing you.

BRAKE FLUID CHECK

Insufficient brake fluid will make the air into the brake system and may cause the brake out of control. Please check the brake fluid level all the time and refill it if necessary.

1. When checking the oil level, please turn the handle bar assuring the brake oil on the horizontal position.
2. Use correct brake oil, otherwise the oil seal will be defected. This will cause the oil leaking & losing the brake function. Standard brake oil: FMVSS DOT3 or SAE J1703.
3. Refill same kind of brake oil. Mixing with different oils will yield a bad reaction and cause the brake out of order.
4. To avoid the water getting into the main cylinder, otherwise the boiling temperature of the brake oil will be declining make the air be obstructed.
5. Brake oil could reode the painting surface and plastic parts. If any oil were spilled out, please clean it immediately.
6. If the brake oil can't be refilled to the standard level, please check with your dealers.



FRONT FORK CHECK

NOTE:

In order to avoid falling down, please park your scooter firmly so it will be safe.

1. Eyes checking:

If any scratched, broken or leaking inside the pipe by vision.

2. Function check:

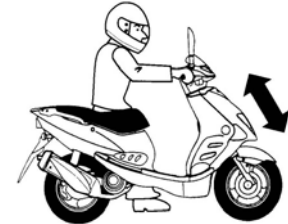
Park the scooter on flat place.

(A) Hold the handle and keep the scooter in vertical position, and then hold the front brake lever.

(B) Move up & down the front fork for several times.

NOTE:

If found the front fork is not smooth or broke, please contact your dealers.



2.FUNCTION CHECK

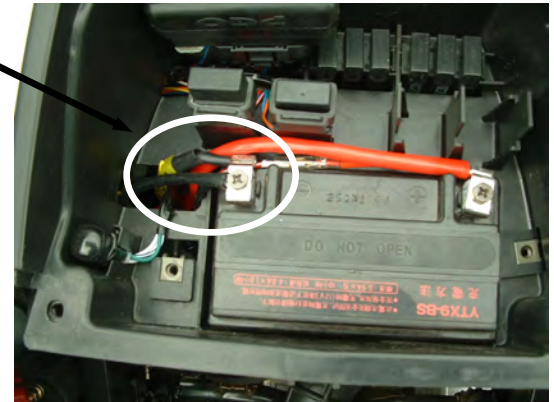
BATTERY

1. The battery is in Maintenance-Free type (MF), so it won't be necessary to check or refill the liquid. If the liquid is leaking, please contact with your dealers A.S.A.P.
2. Battery wire connection:
 - Red wire connect to “ + (positive) pole “, Black wire connect to “ – (negative) “ pole.
 - M2-220 & M2-150(EMS model): there are 2 black wires shall all connected to battery, otherwise you can't start the engine. Refer to the figure:



NOTE:

Please do not try to take off the sealed rubber even when charging the battery , that will damage your battery.



FUSE REPLACEMENT

1. The fuse is located beside the battery.
2. Open the battery cover.
3. If the fuse is burned out, turn off the main switch and related switches, replace a correct fuse, then turn on and check the circuit function, please contact with your dealers if the problem remains.

NOTE:

Do not use a higher ampere fuse than the standard one. A different (abnormal) fuse will damage circuit system and may cause fire.



EMS model

SPECIFICATIONS

TYPE	BLUR-150i(M2-150BBE) EMS	BLURSS-220i(M2-220BAE) EMS
DRY WEIGHT	132KG	144KG
ENGINE type model no. cooling cylinder array displacement start system lubrication system lubricant capacity replace	4 stroke F3E forced air cooling single 150.1 c.c electric and kick compress spray SAE15W40 1.0 L 0.8L	4 stroke C8E5 forced air cooling single 220.1c.c electric compress spray SAE15W40 1.4L 1.0L
spark plug	CR7E(NGK)	CR7E(NGK)
clutch type	DRY TYPE	DRY TYPE
gear shift type	AUTOMATIC (V BELT)	AUTOMATIC (V BELT)
clutch type	DRY TYPE	DRY TYPE
gear shift type	AUTOMATIC (V BELT)	AUTOMATIC (V BELT)
GEAR OIL model min. volume total volume	SAE 140 90cc 110cc	SAE 140 110cc 130cc

SPECIFICATIONS

TYPE	BLUR-150i(M2-150BBE) EMS	BLURSS-220i(M2-220BAE) EMS
Valve Q'ty IN EX	2 2	1 1
AIR CLEANER	PAPER	PAPER
FUEL: gasoline Tank capacity	UNLEADED 7.5L	UNLEADED 7.5L
TIRE size (front) (rear)	120/60-13 130/60-13	120/60-13 130/60-13
ELECTRIC ignition generator	TRANSISTOR AC MAGNET	TRANSISTOR AC MAGNET
BATTERY TYPE capacity	YTX9L-BS 12V 8AH	YTX9L-BS 12V 8AH
head lamp (HI /LO) rear lamp/ stop lamp signal lamp speedometer indicator high beam indicator signal indicator EMS check indicator	12V 55/60W * 1 12V 21W * 1/ 12V 5W * 1 12V 10W * 4 12V 1.7W * 2 12V 1.7W * 1 12V 1.7W * 1 LED * 1	12V 55/60W * 1 12V 21W * 1/ 12V 5W * 1 12V 10W * 4 12V 1.7W * 2 12V 1.7W * 1 12V 1.7W * 2 NA

Periodic Maintenance Record

Plan mile	Actual mile	Date	Dealer Sign.	Plan mile	Actual mile	Date	Dealer Sign.
200				17,000			
1,800				18,800			
3,600				20,600			
5,400				22,400			
7,200				24,200			
9,000				26,000			
10,800				27,800			
12,600				29,600			
13,400				31,400			
15,200				33,200			

- Please decrease maintenance period when often driving in dusty areas.
- Copy the blank table to use when odometers is over the above table planned.