

Thank you for purchasing the Buddy Kick from Genuine Scooter Company. 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.

If you have any questions, please ask your authorized Genuine dealer for assistance.



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Limited Warranty for Genuine Scooters

The Genuine distributor warrants all parts of the vehicle except those listed under the caption "What is not covered". This warranty covers any repairs needed to correct manufacturer defects in materials and workmanship. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

1. To Obtain the Warranty Service

You must properly use, maintain and care for the vehicle as outlined in the Genuine owner's manual. You must maintain a record of the vehicle's required periodic service and inspections. You will be required to provide this documentation upon request of all warranty claims. Periodic service and inspection are considered regular maintenance and are not reimbursable.

2. Warranty Period

The warranty is effective for TWO years from the date of purchase by the original owner. Non-transferable.

3. What is not covered

- Any damage resulting from failure to follow the break-in requirements and/or negligence of the periodic maintenance schedule as described in this manual.
- Consumable replacement parts. Genuine will not warrant parts worn due to natural wear and tear such as spark plugs, drive belt, rollers/sliders, drive chain, sprockets, filters, brake pads, brake shoes, clutch / friction material, light bulbs, fuses, rubber parts, tubes/tires, fluids and cables.
- Any damage resulting from use of non-genuine parts, accessories, fuel, lubricants, cleaning products, or fluids not specified/approved by Genuine.
- Any damage resulting from repair, adjustment, or maintenance performed by any person other than a Genuine distributor or dealer.

What is not covered continued

- Any damage resulting from repair, adjustment, modification, or maintenance by any methods other than those specified by Genuine.
- Any damage resulting from hard driving due to a race, rally, or operation of the vehicle in a manner in which it was not designed for.
- Any damage resulting from use beyond the limitations specified in this manual such as overloading the vehicle, or any damage from use under abnormal conditions
- Any damage caused when the product is used in any commercial capacity including but not limited to use as a rental vehicle
- Any damage resulting from modifications to the vehicle including but not limited to the use of performance/after-market parts.
- Any damage resulting from the passage of time including but not limited to natural fading, bubbling, oxidizing, chipping, cracking, peeling, tearing, rust, corrosion or other forms of deterioration.
- Any damage that results from operations not in accordance with those specified in this manual.
- Sensational phenomena that do not affect performance or function of the product such as engine noise, vibration, or seepages.
- Any damage due to improper parking, storage, or transport.
- Any damage resulting from unavoidable natural disasters, fire, collision, theft, and second damages based on any of these occurrences.
- Any damage resulting from oils, smoke, chemical products, bird droppings, sea water-breeze, salt or other similar items.
- Batteries (the original battery that comes with the scooter is covered for ONE month)
- Incidental or additional expenses incurred for making any claims such as those for towing, communications, hotels and meals, as well as any losses during maintenance period, such as loss of time, loss of business and rental car expenses.

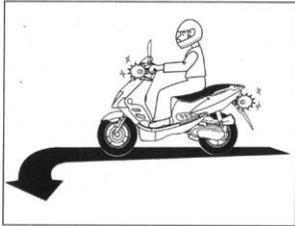
The limited warranty is void if any of the following is true:

- Removal or modification of the exhaust is violation of Federal Law and will render the warranty null and void.
- Vehicle **MUST BE INSPECTED** by an authorized Genuine dealer within 500 miles from date of purchase else the **GENUINE LIMITED WARRANTY** will be null and void.
- You are required to maintain a dealer service and inspection record which will be required upon application for any benefits covered by the **GENUINE LIMITED WARRANTY**.

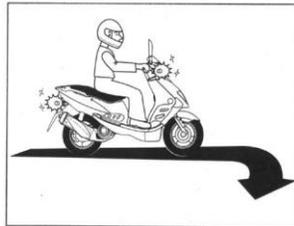
*Genuine may alter this document with or without notice at any time. Determination of misuse will be made solely by Genuine.

1. SAFE DRIVING

Please allow significant time to complete any action shown as follows.



LEFT TURN

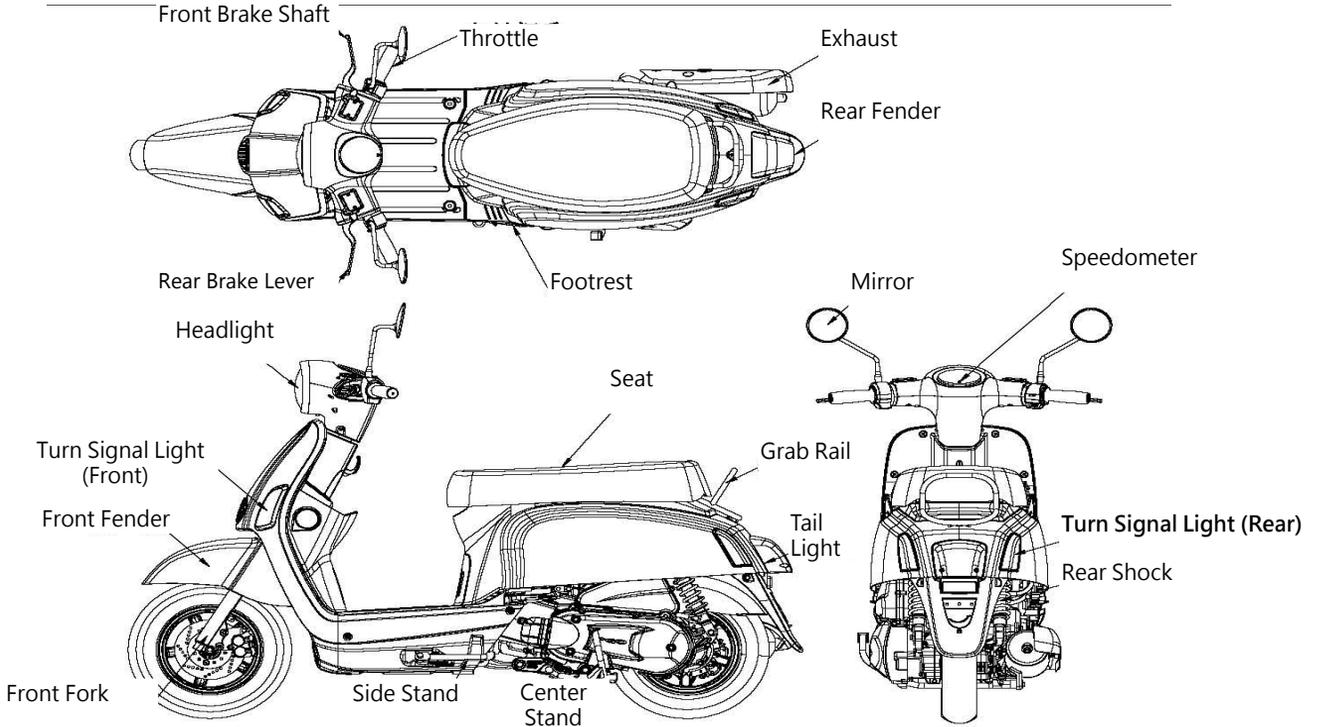


RIGHT TURN

Attention: Please activate turn signal lights to notify other vehicles in front of you and behind you that your vehicle is turning.

1. Do not abruptly stop the vehicle when driving on a wet roadway in order to avoid a crash. Please carefully and slowly apply the brakes on wet roadways.
2. Please slow down the vehicle prior to arriving at a corner or a crossroad; accelerate the vehicle slowly after the vehicle has made a turn.
3. Please carefully drive the vehicle when passing other vehicles parked on the roadside in order to avoid any incident such as a car door suddenly opening or a passenger emerging from inside the vehicle.
4. Please slow down and carefully pass when riding over a wet steel plate used during road construction or a manhole cover; keep your vehicle in a vertical position while driving over the wet steel surface.
5. Prior to driving, check the brake surfaces, which may be wet from cleaning the vehicle.
6. The driver shall wear a safety helmet, gloves, protective trousers (with bottoms of the trouser legs around ankles fastened) and a brightly colored jacket.
7. Do not carry excessive luggage on the vehicle as this may destabilize the vehicle. All luggage shall be secured appropriately; Loose luggage might adversely affect the stability or distract the driver potentially causing an accident.
8. It is not necessary to warm up the vehicle before riding; This vehicle is equipped with fuel injection and the improved technology will protect the engine and the environment during warm-up. Although it is not necessary to warm up the vehicle, do not drive with rapid acceleration or immediately accelerate to maximum high-speed until the engine has warmed up completely.

2. Vehicle Layout



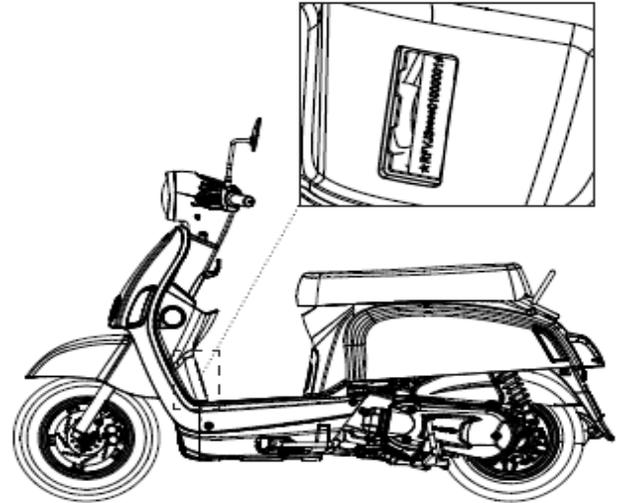
- The components mentioned above are representative parts only. Please refer to the actual vehicle for detailed components.

3. IDENTIFICATION OF VEHICLE

3-1 VEHICLE IDENTIFICATION NUMBER

Each vehicle manufactured by Genuine Scooter Company has been marked with a vehicle identification number whose position is shown as follows:

1. Central position below the front luggage
2. Steel frame in the middle section (17 alphanumeric codes found with the cover on the vehicle identification number removed)

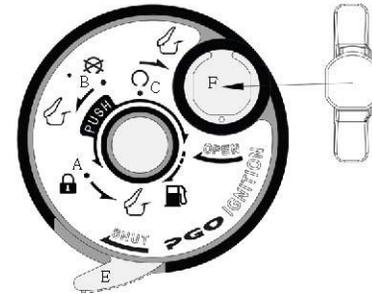


4. FUNCTIONS OF EACH CONTROLLER

4-1. MAIN SWITCH (FOR IGNITION & ILLUMINATION)

The instructions of the ignition switch used to control ignition and illumination are shown as follows:

1.  Power is disconnected; key removable
2.  Power connected; engine ready to be started; do not remove key
3.  Handlebar locked; power disconnected; key removable. Please refer to "Steering Handlebar" (P-12) for correct operations.
4. "PUSH" and turn counter-clockwise: Open seat with the key location at "A", "B", or "C".
5. "B": Press and turn the key clockwise to open fuel cap 
6. Remove the key and press the "E" tab rightward to protect the key hole from foreign objects and to activate the anti-theft status.
7. Plug the shutter magnetic lock on the key shank into "F" and turn it rightward to open the cover.



 Attention: Turn the key to "OFF" or "LOCK" and remove it when the motorcycle is not driven.

4-2 FUEL CAP

1. With the key located at , press "PUSH" and turn the key clockwise to open the fuel cap.
2. Press the fuel cap forward and downward to close the fuel cap.



4-3 LOCK FOR STEERING HANDLEBAR

Turn the steering handlebar to the far left prior to locking it. Turn the key to "LOCK" from "OFF" and remove key. Turn the key clockwise to unlock the steering handlebar.



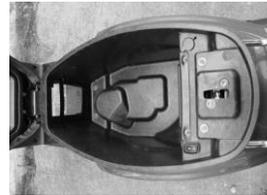
4-4 SEAT LOCK

1. Push and turn the key counterclockwise, which is at any position, in order to lift and open the seat.
2. Please properly use the seat lock to protect any objects inside the luggage compartment and activate the anti-theft function prior to leaving your vehicle.
3. Please lay down and press the seat gently in order to activate the seat lock and extend its service life.



4-5 LUGGAGE CABINET

The luggage compartment is located under the seat. Please put your helmet straight inside the luggage compartment and store the helmet facing toward the rear of the vehicle.



⚠ Attention: Ensure personal articles stored inside the luggage compartment do not exceed the maximum load. **Maximum load: 12 lbs**

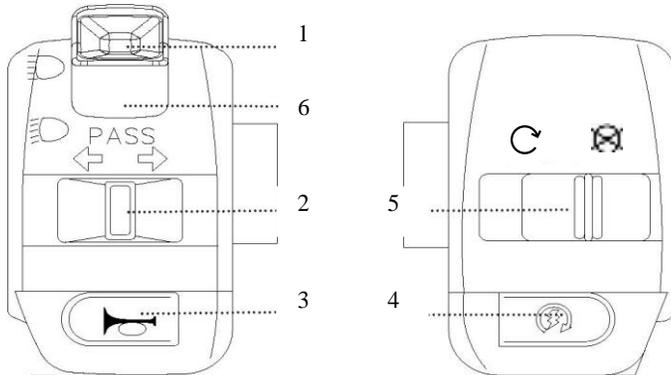
Directions for use of the luggage compartment:

1. Do not store any object that is not heat-resistant or inflammable inside the luggage compartment because the luggage compartment can become heated from the sun or the engine running.
2. Do not store any precious or fragile objects inside the luggage compartment.
3. Cover objects stored inside the luggage compartment with waterproof material due to possible intrusion of moisture from rain or during cleaning of the vehicle.

⚠ Attention: Please properly close the seat prior to leaving the vehicle.

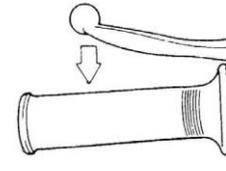
4-6 Handlebar Switches

1. High / Low beam
2. Turn signal light
3. Horn
4. Start: Pull in the brake lever (front or rear) and press "Start" button simultaneously to start up the engine.
5. Kill Switch: When switch is in the right position  engine will not run. Push switch to the left position  to operate start the engine and when operating the vehicle
6. PASS Light: Press "PASS" and activate the headlight to give a warning signal.



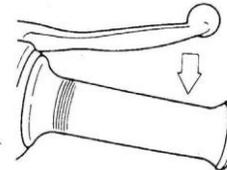
4-7 Front (Rear) Brake Lever Rear Brake Lever

Left Lever: Rear brake. Grip the brake shaft backward to activate the rear brake.



Front Brake Lever

Right Lever: Front Brake. Grip the brake shaft backward to activate the front brake.



4-8 Power "Failure" Switch

Function: Enhance the anti-theft function

Use:

1. Keep the "Power Failure Switch" at "O" to disable start-up after the vehicle is parked.
"O": Start-up disabled; "-": Start-up enabled
2. "Power Failure Switch" at "O": "EMS---" and indicated on the display panel; "Power Failure Switch" at "-": "EMS OK" only (no other icons) indicated on display panel.



⚠ Attention: Do not change the switch's position while the engine is still running. Change position only when the vehicle is parked.

⚠ Attention:

1. The charging outlet is available when the power switch is enabled
2. Replace the fuse (1A) to the power supply outlet only when no other appliances are connected.
3. Do not connect any appliance prior to start-up in order to protect it from damage.
4. Bring the vehicle to your authorized Genuine dealer to check in the event the voltage is greater than 15V indicated on the display panel. Do not use the outlet if voltage is over 15V



4-9 Power Disconnection Rollover Switch

The rollover switch will be activated to stall the vehicle within 6 seconds in the event of rollover of a running vehicle.

It is necessary to disconnect and reconnect the battery for the next start-up following a rollover.

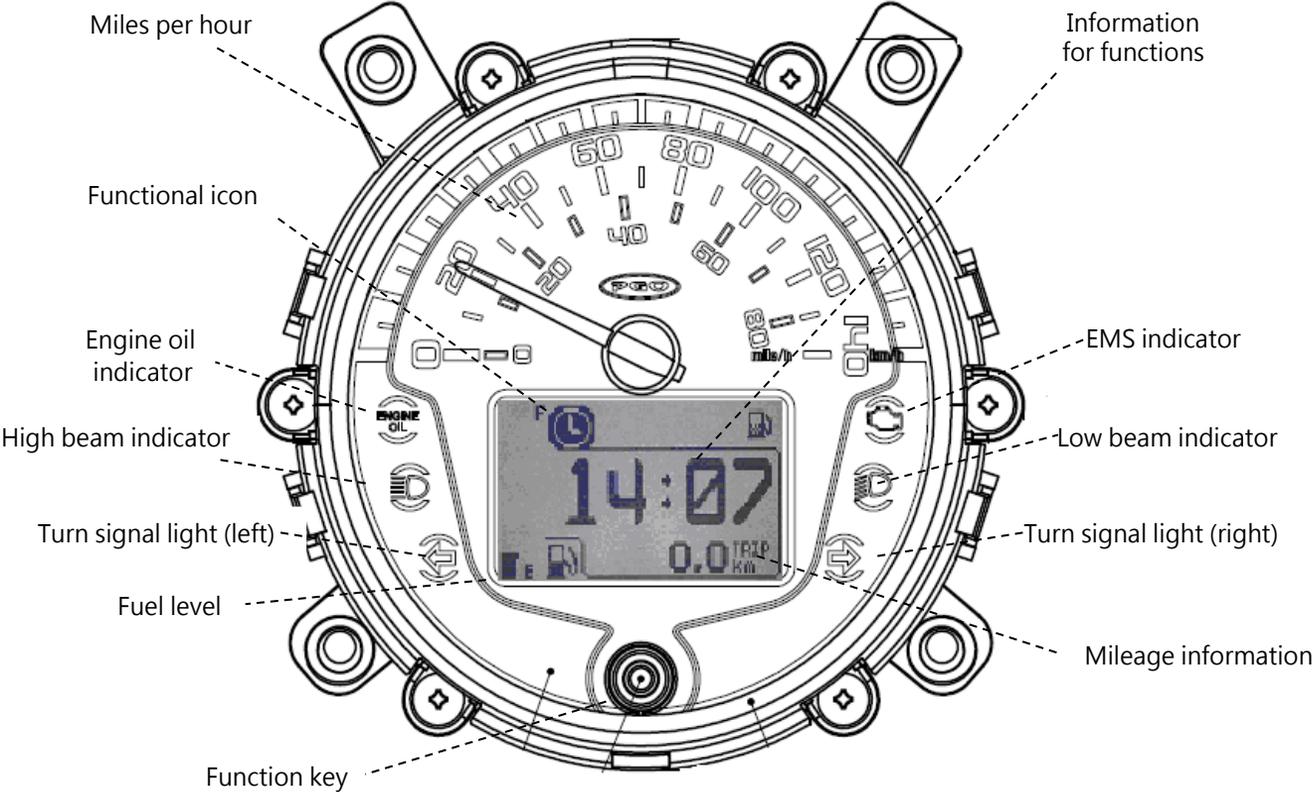
Attention:



- Some error messages (Code: P0261) will be indicated on the display panel with the rollover switch has been activated. These messages are not harmful to the vehicle.
- Bring the crashed vehicle to your authorized Genuine dealer for further inspection.

5. SPEEDOMETER FUNCTIONS

5-1-a. INDICATION OF SPEEDOMETER



EMS Information



- Engine Management System (EMS) diagnosis function automatically activated when power connected.
- Any error will be indicated on the display panel.

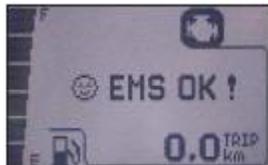
Millage Information



- The millage information is always indicated at the bottom for any mode.
- Press and hold the button to switch between "km" or "mile" in the odometer "ODO" mode.



- Changing between ODO and TRIP: Continuously press the button on the display panel to switch ODO or TRIP.



- Press the button to reset the mileage on the display panel in "TRIP" mode.

Time Information



- Press the button on the display panel to indicate "Time" .
- Refer to "Set-Up" for adjustment of "Time" .

Voltage Information



- Press the button on the display panel to indicate "Voltage" .
- Voltage alarm: Battery voltage lower than 11.5V or greater than 15.5V

RPM



- Press the button on the display panel to indicate "RPM" .

Fuel Level



- "Fuel Level" is always indicated at the left-hand side of the display panel for any mode.
- Low fuel level: "Fuel Level" blinking and a symbol for low level indicated on the upper right corner in case of one scale only.

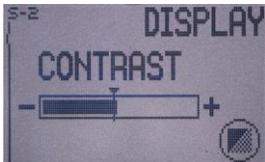
Set-Up



- Disconnect the power supply.
- Press and hold the button to enable power and enter the page for set-up.

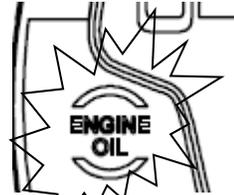


- Enter the page for time set-up; (1) Short press for adjustment of time; (2) Long press for switch between "HR" and "MIN" .
- Adjustment of the display panel's contrast: Continuous long press



- Adjustment of the display panel's contrast

Reset of Oil Indicator



- The oil indicator "ON" indicates the engine oil should be replaced. Bring your vehicle to a Genuine dealer for oil change service.

- Reset the oil indicator when service is completed.
- Press and hold the button under ODO (total mileage) for 3 seconds until the oil indicator blinks.

- When the oil indicator is blinking, press and hold the button for another 5 seconds in order to stop blinking.



Attention: Please drive your vehicle to your authorized Genuine dealer for inspection in the event any EMS error messages appear on the display panel while riding. Attention: Do not change any of the speedometer's functions while riding, for the purpose of safety.

6. PRE-USE VEHICLE INSPECTION

Item	Procedure	Page
※Front Brake	Check brake function, free play, brake fluid level and inspect for line damage or leakage. If necessary, fill the brake fluid reservoir with FMVSS DOT4 brake fluid.	11;17;23
※Rear Brake	Check brake function, free play, brake fluid level and inspect for line damage or fluid leakage. If necessary, fill the brake oil tank with FMVSS DOT4 brake fluid.	11;17;23
Throttle	Check the throttle function. Add lubricant and adjust the throttle, if necessary.	17
Engine and Gear Oil	Check the lubricant level or add any lubricant as necessary.	17
Tire	Check tire air pressure, wear and inspect for damage.	18
Switches / Speedometer	Check functions.	11
Center Stand	Check function; add lubricant or adjust the center stand, if necessary.	22
Assembled Part / Fastener	Check all assembled parts and fasteners; fasten or adjust, if necessary.	-
Fuel Tank	Check the fuel level; add fuel as required.	19
Headlight & Turn signal light	Check function.	18
Brake Shaft	Check functions; add any lubricant, if necessary.	11;17

Note: Conduct the pre-use check before each ride. This check can be finished in a short period and will substantially enhance safety. In the event any item failed or any component is not functioning properly, please check it immediately prior to the next ride.

6-1. Brake

(Refer to P-23 for details.)

1. Brake Levers

Check free play of the front and rear brake levers; make sure you are aware of their functions. Check the brakes of the vehicle at the beginning of each ride while driving at a low speed. Please correct any improper free play.

 Attention: A brake lever that is not firm when engaged implies there is a problem with the brake system. Do not drive your vehicle until the problem has been fixed. Bring the vehicle to your authorized Genuine dealer for repair. A loose brake lever is an indication there is a problem in the brake system.

2. Brake fluid (Disk brake)

Check the brake oil level; add brake fluid if necessary. Brake fluid designated: FMVSS DOT4



3. Leakage of Brake Fluid

Check all joints along the brake hose for any brake fluid leaking from the joint or the brake cylinder. Leakage has occurred if you see wet or oxidized fluid sludge.

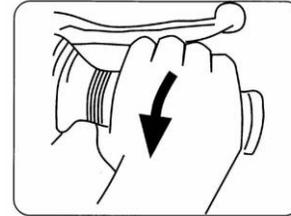
4. Check of Disc Brake (P-23)

Note: Please contact your authorized Genuine dealer to repair disc brakes.

 Attention: Please contact your authorized Genuine dealer to repair leakage of brake fluid, if any. The leakage implies potential risk in the brake system.

6-2 Throttle

Turn the throttle to check proper function and free play. Make sure when you release the throttle it turns to its original position automatically. If necessary, the throttle should be adjusted by your authorized Genuine dealer.

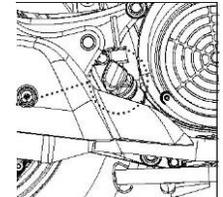


6-3 ENGINE OIL

 Attention: Check the engine oil level when parked and on a flat surface. Allow the engine to run 2-3 minutes first; then check the engine oil level after the engine has been stopped for 2-3 minutes.

Total volume: 1000 c.c
Oil to be replaced: 800 c.c

Engine Oil 10w40



Remove the dipstick and check the engine oil level. Add engine oil as specified by your authorized Genuine dealer to the upper limit in the event the oil level is under the lower limit.

6-4 TIRE

Please check the following conditions in order to ensure maximum performance, service life and safety.

1. Tire Pressure: Check the tire pressure prior to riding the vehicle. Increase the tire pressure for any heavy object loaded, as needed.

Normal tire pressure Front tire: 26 psi
 Rear tire: 26 psi

2. Check

Check the tire condition prior to riding. If you find there is damage to your tires, such as wear, cracks, nail, etc. , contact your authorized Genuine dealer for service to repair or replace the damaged tires, if necessary.

3. Check tread pattern (depths):

If the vehicle's tire tread depths are too shallow as indicated by the tread wear indicators, contact your authorized Genuine dealer for replacement.

Minimum depth of tread patterns (front and rear) = 0.8mm



Attention:

1. It is very dangerous to drive a vehicle with tire treads that are excessively worn. In the event the tire tread wear indicators display a worn tire, please contact your authorized Genuine dealer for replacement.

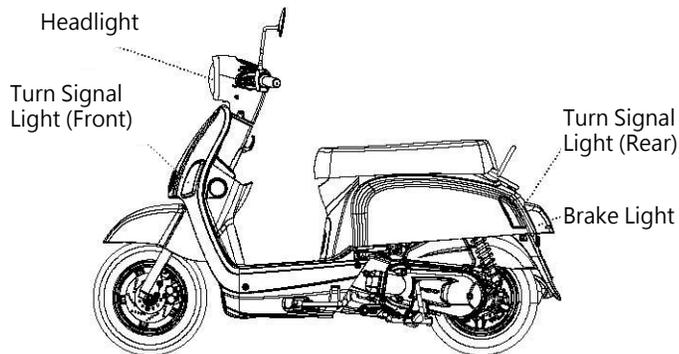
2. If a driver drives a vehicle with worn tire treads, it is normal to feel a slight vibration in the handlebars.

6-5 Headlight and Turn Signal Light

1. Check that the headlights, turn signal lights, rear lights, brake lights, and display panel lights and indicators are functioning properly.

2. Switch

Check that the switches for the headlights, turn signal lights, brake light, horn and start-up are all functioning properly.



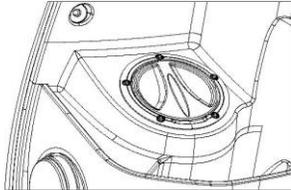
Attention: Do not touch the surface of the headlights after long periods of illumination due to high temperature.

6-6 FUEL TANK



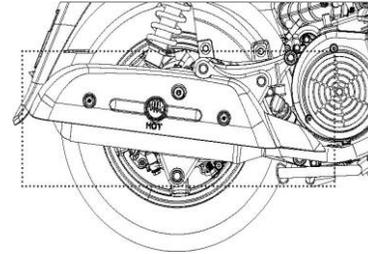
Attention

1. Do not spill gasoline or allow fuel to touch the high-temperature engine. The level of fuel added into the fuel tank should be lower than the fuel filling nozzle, or the gasoline will spill as it heats and expands.
2. Do not allow spilled fuel to touch the exhaust because the high temperature on the surface of the exhaust can result in combustion of the spilled fuel.



6-7 Exhaust System

A catalytic converter is installed in the exhaust pipe. The purpose of the catalytic converter is to reduce pollutants in exhaust gas. Do not alter the exhaust system.



Attention: To avoid burning, please park the vehicle in a location where pedestrians or children cannot come into contact with the high temperature exhaust.



Attention: Please adhere to the following instructions in order to avoid damage to the catalytic converter and other dangers.

1. Add premium unleaded gasoline only (91 octane or higher)
2. Do not drive, idle, or park the vehicle on flammable material.
3. Maintain the engine's peak running status. (Imperfect systems such as engine circuit, ignition or fuel might cause high temperatures at the catalytic converter.)
4. Perform periodic maintenance and inspection of the vehicle in order to ensure good performance of the entire exhaust control system.

7. ESSENTIALS FOR USE AND DRIVING

Drivers must be familiar with all skills necessary to drive and control the vehicle and all vehicle functions. For any questions, please contact your authorized Genuine dealer.

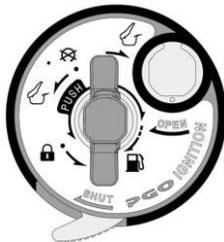


Attention:

1. Do not start the engine in a poorly ventilated place. The toxic fumes discharged from the vehicle might make you lose consciousness or be killed in a short period. Always operate the vehicle in a well-ventilated area.
2. Make sure the side stand is properly retracted prior to riding. If your side stand is down on the vehicle while riding, this can cause serious accidents.

7-1 Engine Start-up

1. Turn the main switch clockwise to engage power supply.
2. Close the throttle; hold the front (or rear) brake lever and press the start button to start the engine.
3. The throttle can be slightly advanced to easily start the engine at low temperatures (<0 Celsius) or high altitudes (>6500 ft).



Note: If the engine does not start, release the start button and try again after a few seconds. Engine start-up should be completed within 5 seconds to avoid excessive battery discharge.

7-2 Passenger Foot Pedals

When you want to use the passenger pedals, press the pedal so that it pops out. When not in use, press the pedal again to return to its original position.

Attention:

1. Do not open the pedal when there is no passenger onboard to avoid accidents.
2. The pedal is a footrest for the passenger only. Do not use the pedal when there is no passenger onboard.



7-3 Warm-up

It is not recommended to warm up the vehicle at rest, to reduce exhaust and pollutants. However, the sudden acceleration of the vehicle at cold-start status should be avoided for engine longevity.



Attention: Please refer to "Breaking-in of Engine" prior to the first drive of the vehicle.

7-4 Driving

1. Hold the vehicle's handlebar; push the vehicle forward and retract the center stand from the ground.
2. Straddle the vehicle and check the angles of the mirrors.
3. Carefully observe the traffic in front; activate the turn signals prior to driving the vehicle on the road.
4. Slowly turn the throttle (right) and turn off the turn signal

7-5 Acceleration

Adjust the vehicle speed by turning the throttle. Turn the throttle backward for acceleration and turn the throttle forward for deceleration.

7-6 Use of Brakes



Attention

1. Do not stop the vehicle suddenly or abruptly to avoid sliding or rollover.
2. It is recommended to apply the front and rear brakes simultaneously for best brake results and safety.
3. Carefully apply the brakes when the vehicle deviates from normal direction. Stopping the vehicle improperly can result in sliding.
4. Slow down when passing through construction sites, rails or over wet steel plates such as a manhole cover.
5. Carefully apply the brakes when driving on wet pavement to avoid crashing.
6. Decelerate the vehicle when driving down hill.

7-7 Running-In of the Engine

The run-in stage is critical to your vehicle's service life. As a result, the following information must be read carefully. It is recommended that vehicle loading should be limited during the break-in period due to all of the new components installed in the engine. The key point during the run-in stage is breaking-in the components of the engine in order to establish the best running conditions. Drivers should avoid long-term operation at full throttle or any situation that causes the engine to bear a heavy load.



Attention: If you experience any engine problems during the running-in period, contact your authorized Genuine dealer.

1. 0~50 miles:
Do not run the engine at the 3/4 full throttle or more. Change speeds frequently and avoid running the engine at one RPM for long periods.
2. **Keep the engine away from long-term heavy loads prior to the first maintenance service scheduled at 500 miles.**



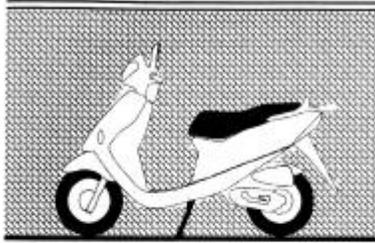
Attention: When the vehicle has been run for 500 miles, bring your vehicle to your Genuine Scooters dealer for service.



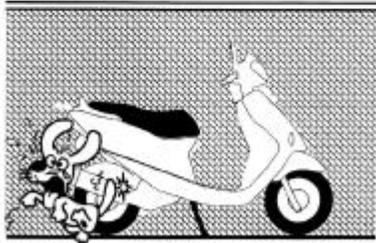
Attention: If you experience any engine problems during the breaking-in period, contact your authorized Genuine dealer.

7-8 Parking

1. Center Stand

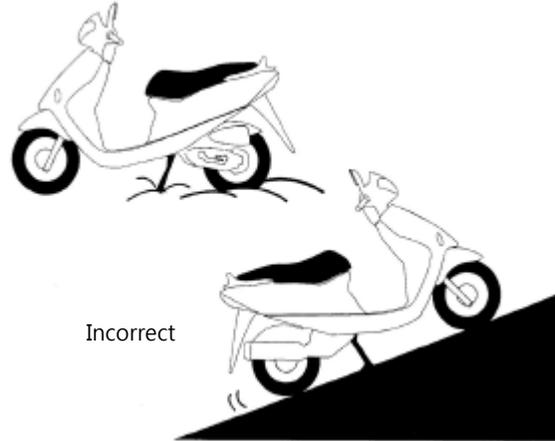


Correct



Incorrect

2. Do not leave heavy objects or passengers on the vehicle when it is supported by the side stand as this may cause the vehicle to tip over.



Incorrect

Parking

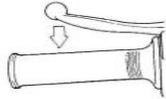
Turn off the engine and remove the key when the vehicle is parked.

 Attention: The vehicle should be parked away from pedestrians or children. Do not park the vehicle on a slope or soft earth to prevent the vehicle from rollover.

8. CHECK AND ADJUSTMENT

8-1 BRAKE

Keep the free play of the front and rear brake lever between 5 and 15mm. Contact your authorized Genuine dealer for adjustment if necessary.



Attention: Any incorrect free play in the brake system implies there is a problem. Do not drive the vehicle when the free play is incorrect. Immediately contact your authorized Genuine dealer for repair.

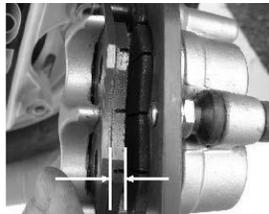
Brake Pads:

Check each brake wear indicator. Contact your authorized Genuine dealer to replace any brake pads whose wear is close to or has surpassed the brake wear indicator groove.

1. Brake pad's bottom groove worn
2. Brake pad thickness <2mm

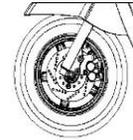


Attention: In the event there is a high-frequency noise emitting from the brake system when stopping the vehicle, check the brake lining's thickness.



Disc Brake

1. Apply any brake and check the wear indicator during inspection. In the event the wear indicator indicates brake replacement is necessary, contact your authorized Genuine dealer to replace the disc brake.
2. Any significant scratches on the disc brake can imply that the brake system has a problem. Contact your authorized Genuine dealer to replace the disc brake.

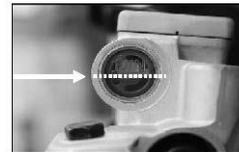


Attention: If water enters the brake system, temporary brake failure may occur threatening driving safety.

Brake fluid:

If air is introduced into the brake system, this can cause brake failure if the brake fluid level is lower than standard. Check the brake fluid level prior to riding; add brake fluid, if necessary. Please follow the precautionary measures as follows:

1. Press the brake lever to make sure the brake fluid tank is horizontal during inspection.
2. Refill with the correct brake fluid. Using the incorrect brake fluid can result in leakage and/or brake failure.

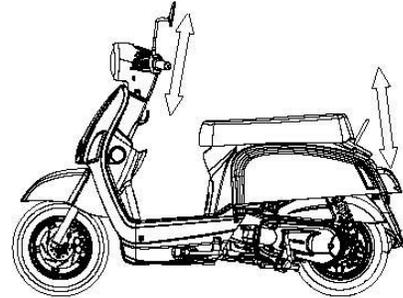


Brake fluid
designated: FMVSS
DOT4

3. Never mix brake fluids. The mixture of brake fluid with different specifications can generate hazardous chemicals which can result in brake failure.
4. Moisture should not be introduced into the brake fluid tank when adding brake fluid. The boiling point of brake fluid is reduced by moisture and can result in air lock.
5. Clean up any spilled brake fluid with clean water as the brake fluid will erode painted surfaces and/or plastic.
6. If the standard level of brake fluid cannot be attained, immediately contact your authorized Genuine dealer.

8-2 Suspension

1. Check the inner surface of the front fork for any wear, damage, or leakage. Check the rear shocks appearance for any leakage.
2. Park the vehicle on a flat surface prior to inspection.
 - Hold the handlebar and keep the vehicle in a vertical position. Apply the front brake.
 - Press and release the vehicle's front fork several times to check the front fork.
 - Hold the rear grab-rail and press up and down several times to check the rear shock.



 Attention: Securely support the vehicle during inspection.

 Attention: If the front fork's functions are not smooth or any component is damaged, immediately contact your authorized Genuine dealer.

8-3 FUSE REPLACEMENT

1. Fuse's are located next to the battery inside the luggage cabinet's rear section.
2. In the event of a broken fuse, disconnect the main switch and any switch connected to circuits that have failed. Install a new fuse corresponding to the correct Amperage. Turn on the switch to check the function. If the new fuse burns immediately, contact your authorized Genuine dealer for service.



Attention: Do not use fuses that are out of specification compared to the original fuse. Any fuse installed that is not to specification can seriously damage the electrical system.

8-4 BATTERY

1. It is unnecessary to add any electrolyte or distilled water into the sealed battery installed on the vehicle. In case of any sign of leakage of battery acid, immediately contact your authorized Genuine dealer.
2. If the engine has difficulty starting, weak horn, dim lights, etc., follow the standard procedure to charge the battery.

3. Charge the vehicle's battery and disconnect the cable which is connected to the negative terminal before leaving the vehicle unused for a period of time. Charge the battery once every three months during this period.



4. Two black grounding cables connected to the battery's negative terminal should be securely fixed to the ground stud, or the engine cannot be started.



Attention: Disassembling any sealed component on the battery can damage the battery.

9. PERIODIC MAINTENANCE AND ROUTINE REPAIR

To keep the vehicle in its safest and most efficient status, perform periodic maintenance, adjustment and lubrication. The driver is responsible for personal safety. The periodic maintenance schedule should be taken as a guideline for maintenance and lubrication. Additionally, other factors such as climate, geographic environment and purpose of driving the vehicle, should be considered in the maintenance schedule. In this section, key points in inspecting, adjusting and lubricating the vehicle are highlighted.

 Attention: If you are not familiar with inspecting the vehicle, you should bring the vehicle to your authorized Genuine dealer.

 Attention: This vehicle is designed to be ridden on pavement. If the vehicle is ridden in dirt, mud or other moist conditions, the air filter should be cleaned and/or replaced frequently or this can result in faster deterioration of the engine. Please contact your authorized Genuine dealer for your service cycle.

Note 1:

To make sure the engine is running smooth, replace the engine oil after the first 500 miles. Use only the specified engine oil. Contact your authorized Genuine dealer for changing of the engine oil.

Note 2:

Replacing Brake Fluid:

1. Replace the brake fluid during disassembly of the brake master cylinder or the brake caliper.
2. Replace the seals for the brake master cylinder and the brake caliper every two years.
3. Replace the brake fluid hose every four years, unless the hose is damaged, then replace immediately.

Note 3:

Checking the cooling system (engine oil)

1. Check the cooling tubes for leakage during the periodic maintenance.
2. Check the engine oil cooler for any trouble such as leakage.
3. Clean the engine oil cooler surface periodically removing any debris from the cooling fins, using a soft cloth to prevent damage to the oil cooler.

9-1 PERIODIC MAINTENANCE SCHEDULE

Item	Content	First 500 miles (1 Month)	Mileage or Months					
			1,875 mi (3 Months)	3,750 mi (6 Months)	5,625 mi (9 Months)	7,500 mi (12 Months)	9,375 mi (15 Months)	11,250 mi (18 Months)
Engine Oil*	Replacement (Refer to Note 1 on P-31) recommend 10w40	○	Replacement every 1,875 mi					
Oil screen Filter*	Cleaning; replacement (if necessary)	○	Clean every oil change (1875 miles) ; replace (if necessary)					
CVT Filter	Cleaning or replacement		○	○	○	○	○	○
Gear Oil*	Recommend 80w90 gear oil	○	○	○	○	○	○	○
Front Brake; Rear Brake (Disc Brake)	Check brake linings for wear, function & leakage of brake fluid. Clean or repair as necessary.		○	○	○	○	○	○
Cooling System (Engine Oil)	Check the oil cooler and hoses for leakage or wear. Replace as necessary. (Refer to Note 3 on P-31.)		Check every 3,750 miles					
V Belt *	Check for damage or wear; clean the belt prior to lubrication; replace the belt, if necessary.			○		Replace		○
Clutch	Check functions; clean the clutch, if necessary.		○	○	○	○	○	○
Tire *	Check balance, damage and circular degree; replace the tire, if necessary.		○	○		○	○	○
Wheel / Bearing *	Check wheel assembly for function, wobble, bolt torque, etc..		○	○	○	○	○	○
Suspension	Check functions and leakage.	○	○	○	○	○	○	○
Steering Bearing *	Adjust tightness, if necessary.			○		○		○
Main (Side) Stand *	Check function; replace the side stand, if necessary.	○	○	○	○	○	○	○
Tightness *	Check tightness of all components; adjust any component, as necessary.	○	○	○	○	○	○	○
Battery *	Check the battery voltage. Voltage should be greater than 12 V. Charge the battery, if necessary; clean terminals.		○	○	○	○	○	○

*: Service available at an authorized Genuine dealer only.

To keep the vehicle's performance, a vehicle driven in any disadvantageous environment such as dust shall be maintained according to a short cycle.

○ : Service Mileage

9-2 PERIODIC MAINTENANCE SCHEDULE FOR EMISSION CONTROL

Item	Content	First 500 miles (1 Month)	Mileage or Months					
			1,875 mi (3 Months)	3,750 mi (6 Months)	5,625 mi (9 Months)	7,500 mi (12 Months)	9,375 mi (15 Months)	11,250 mi (18 Months)
Valve Clearance*	Check and adjust the valve clearance with the engine cooled down.	○		○		○		○
Spark Plug	Check function; adjust the spark plug gap and clean electrode. Replace spark plug, if necessary.		○	○	○	○	○	○
Positive Crankcase Ventilation Device*	Check the hose for cracks or blockage. Replace the hose, if necessary.			○		○		○
Fuel System*	Check the hose for cracks or blockage. Replace the hose, if necessary.			○		○		
Air Filter*	Clean; replace if necessary		○	○	○	○	○	○
Evaporative Emission Control System*	Check the control system for damage. Replace the control system, if necessary.			○		○		
Exhaust System*	Check for leakage. Tighten any loose mounts or replace the exhaust gasket if necessary.			○		○		
ISC Valve*	ISC: 1~10 When engine is hot	○	○	○	○	○	○	○
EMS*	Check all sensor functions.	○	○	○	○	○	○	○
Throttle Valve*	Check and clean the throttle every 3750 miles; clean the throttle every 7,500 miles.			C		C		C

*: Service available at an authorized Genuine dealer only.

C: Part checked (cleaned) every 3,000m (every 10,000m)

R: Part changed every 6,000m or checked every 3,000m for driving security. To keep the vehicle's performance, a vehicle driven in any disadvantageous environment such as dust shall be maintained according to a short cycle.

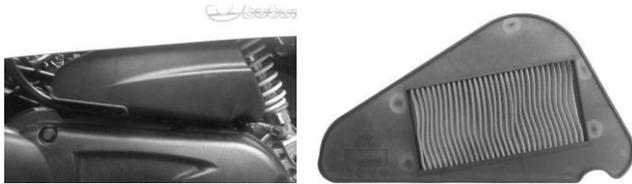
9-3 NON-PERIODIC MAINTENANCE SCHEDULE FOR EXHAUST CONTROL

Item	Content
Removal of carbon deposits in the engine.	It is necessary to maintain or check the ignition system in the event of ignition failure, engine fire, overheating, etc. constantly occurring. Remove carbon deposits on the cylinder head, the piston head, and the exhaust system in the event of the engine's power has significantly dropped for the mileage between 3,750 and 5,625 miles.

*: Service available at an authorized Genuine dealer only.

9-4 Cleaning the Air Filter

1. Remove the screws from the air filter cover
2. Remove the cover
3. Take out the air filter paper
4. Check the air filter paper
5. When installing the new filter, the filter gaskets should be properly installed. If not this can allow dust to enter into the engine.



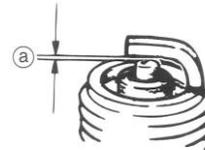
Replace the old filter paper with a new one and install the air filter cover. Make sure the air filter gasket is installed properly and tightly fasten the screws to avoid unfiltered air from entering into the engine.

 Attention: Do not start the engine when the air filter is not properly installed or the piston or cylinder is excessively worn.

9-5 SPARK PLUG INSPECTION

The spark plug is an important component of the engine, and it can easily be inspected. The engine's status can be determined from conditions of the spark plug. For a vehicle normally ridden, the ideal color of the spark plug. For a vehicle normally ridden, the ideal color of the white ceramic around the center electrode should be moderate or light brown. Do not diagnose the vehicle, bring it to your authorized Genuine dealer for inspection. The spark plug should be removed for inspections periodically due to the spark plug being damaged and/or gradually eroded by heat and deposits. Replace the spark plug if it has been eroded or contains excessive carbon deposits. Prior to installation, the spark plug gasket surface and dirt inside the threads should be cleaned or removed and the spark plug should be tightened according to the standard torque.

Spark plug specification: NGK CR8E

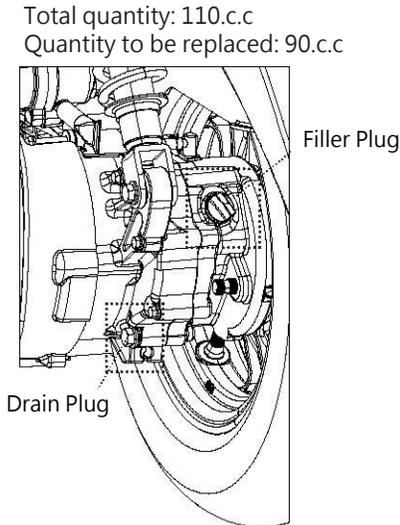


- * Standard spark plug with a gap between 0.7 and 0.8mm
- * Standard torque to fasten a spark plug: 9 lbf-ft

Note: When installing, gently turn the spark plug onto the threads with your fingers; fasten the spark plug with one wrench according to standard torque.

9-6 REPLACEMENT OF GEAR OIL

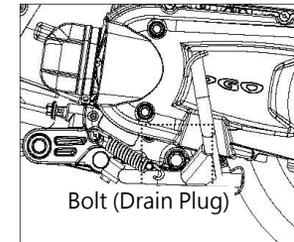
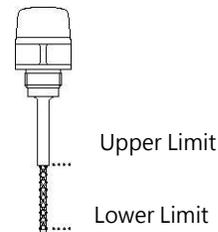
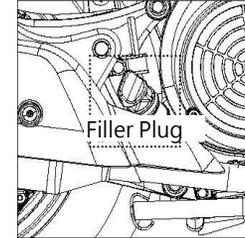
1. Check the gear oil for leakage regularly; bring the vehicle to your authorized Genuine dealer for inspection in case of trouble.
2. Replace the new vehicle's gear oil with oil provided by Genuine Scooters at the first 500 miles and every 1,875 miles after.
3. Quantity of gear oil



9-7 Replacement of Engine Oil

1. Check the engine oil level prior to each ride; bring the vehicle to your authorized Genuine dealer for inspection in case too much oil is being consumed.
2. Replace the vehicle's engine oil with a high-quality 10W40 oil at the first 500 miles and every 1,875 miles after.
3. Quantity of engine oil

Total quantity: 1000.c.c
Quantity to be replaced: 800.c.c



SPECIFICATIONS

Category	Item	Specifications
Dimension & Weight	Length	1720 mm 67.7 in
	Width	710 mm 28 in
	Height	1060 mm 41.75 in
	Seat Height	750 mm 29.5 in
	Axle Distance	1215 mm 47.8 in
	Weight	103 kg 227lbs
Engine	Model	Buddy Kick
	Fuel type	Premium unleaded gasoline (min 91 octane)
	Number of Cycles & Cooling	Air-cooled four-stroke engine (with engine oil cooling system)
	Displacement	124.8 cc
	Compression Ratio	10:1
	Bore	54 mm
Stroke	54.5 mm	
Number & Arrangement of cylinders	Single Cylinder	
Lubrication	Compression & splash	
Fuel Device	Fuel Tank Capacity	5.5 liters / 1.45 gallons
	Fuel Supply	Fuel injection system
Appliance	Ignition Spark plug Start-up	Transistor Ignition NGK CR8E Power-driven

Category	Item	Specifications
Transmission	First Reduction Device	0.75~2.6
	Second Reduction Device	49/16*47/15=9.596 / 47/17*47/15=8.66
Suspension Device	Clutch Gearbox	Dry centrifugal govern weight V-belt C.V.T
	Front Suspension Rear Suspension	Extensible Swinging
Brake	Front	Hydraulic disc brake
	Rear	Hydraulic disc brake
Light & Illumination	Headlight (High / Low Beam)	12V-35W/35W
	Rear Light / License Plate Lamp	12V-0.2W/12V-5W
	Brake Light	12V-2W
	Turn Signal Light (Front / Rear)	12V-2W/12V-2W
Tire Dimension	Front Tire	90/90-10
	Rear Tire	90/90-10

PERIODIC MAINTENANCE RECORD

* A vehicle usually driven in any disadvantageous environment such as dust shall be maintained according to a short cycle in order to keep the vehicle's performance.

Reference Mileage for Service	Actual Mileage	Date	Service Item	Dealer's Stamp
250m		____ (MMM) __ (DD) ____ (YYYY)		
500m		____ (MMM) __ (DD) ____ (YYYY)		
1,000m		____ (MMM) __ (DD) ____ (YYYY)		
1,500m		____ (MMM) __ (DD) ____ (YYYY)		
2,000m		____ (MMM) __ (DD) ____ (YYYY)		
2,500m		____ (MMM) __ (DD) ____ (YYYY)		
3,000m		____ (MMM) __ (DD) ____ (YYYY)		
3,500m		____ (MMM) __ (DD) ____ (YYYY)		
4,000m		____ (MMM) __ (DD) ____ (YYYY)		
4,500m		____ (MMM) __ (DD) ____ (YYYY)		

PERIODIC MAINTENANCE RECORD

* Copy the periodic maintenance record for further applications, if necessary.

Reference Mileage for Service	Actual Mileage	Date	Service Item	Dealer's Stamp
5,000m		____ (MMM) __ (DD) ____ (YYYY)		
5,500m		____ (MMM) __ (DD) ____ (YYYY)		
6,000m		____ (MMM) __ (DD) ____ (YYYY)		
6,500m		____ (MMM) __ (DD) ____ (YYYY)		
7,000m		____ (MMM) __ (DD) ____ (YYYY)		
7,500m		____ (MMM) __ (DD) ____ (YYYY)		
8,000m		____ (MMM) __ (DD) ____ (YYYY)		
8,500m		____ (MMM) __ (DD) ____ (YYYY)		
9,000m		____ (MMM) __ (DD) ____ (YYYY)		
9,500m		____ (MMM) __ (DD) ____ (YYYY)		

Please bring this service record in with your vehicle for any service. Maintain your vehicle periodically and fill in the "Periodic Maintenance Record". The proper maintenance allows your vehicle to be kept at the best performance and guarantees your driving security.

Please contact your authorized Genuine dealer for any problems. Your Genuine dealer can provide complete service for your Buddy Kick.