




WARNING

To avoid damage from the electronic fuel injection system, do not remove or install the battery when the ignition switch is in the "  " position.

The long-term storage of the vehicle could cause fuel and engine oil deterioration and probably get into a non-start situation.

Service more frequently when operating in severe conditions such as dusty area, high speed riding, frequent start and stop or extreme riding habit.

Make sure to keep away from any flammable materials such as dry grasses or leaves, avoid them in contact with the exhaust pipe or muffler when parking the vehicle.

Read this Manual carefully

This Owner's Manual contains important information on safety, operation and maintenance of KYMCO **Skytown 125/150**. Anyone who is going to ride should carefully read and understand the contents of this manual before riding. For personal safety, understand and follow all of the warnings contained in this Owner's Manual and the labels attached on vehicle. This Owner's Manual should be considered a permanent part of the vehicle, keep it with the scooter. ON-ROAD USE ONLY for this scooter.

Particularly important information is provided in this manual by the following symbols and signal words:



The SAFETY ALERT symbol means ATTENTION! BE ALERT! YOUR SAFETY CAN BE AFFECTED.



WARNING

Failure to follow these instructions can result in severe injury or death.



CAUTION

These instructions point out the special precautions must be followed to avoid damage.

■ **NOTE:**

The NOTE indicates the additional important information.

Identification Numbers Record

Vehicle Identification Number (VIN)

Engine Serial Number (ESN)

Record the Vehicle Identification Number ① or ②, Engine Serial Number ③, in the blanks above for a reference to assist you in ordering parts from the authorized KYMCO dealer or in case the vehicle is stolen.

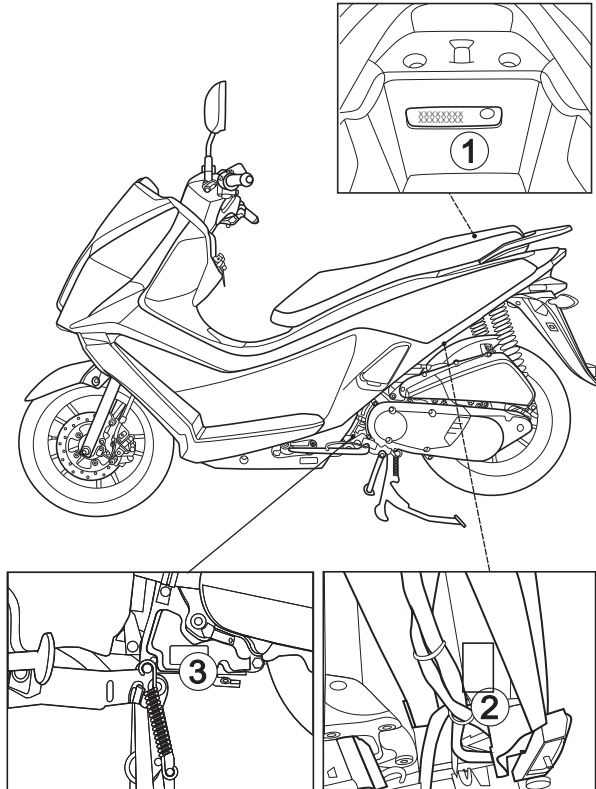


TABLE OF CONTENTS

SECTION 1–SAFETY INTRODUCTION.....1	SECTION 3–OPERATION.....28
Forward.....1	Pre-ride Inspection.....28
Scooter Safety.....2	Break-in.....29
Accessories & Modifications.....4	Starting the Engine.....30
Locations of Parts & Controls.....5	SECTION 4–MAINTENANCE.....32
SECTION 2–CONTROLS & FEATURES.....8	Maintenance Schedule.....33
Ignition Switch.....8	Engine Oil.....36
Security Shutter.....9	Engine Oil Replacement.....37
Instruments.....13	Transmission Fluid Change38
ABS.....15	Air Filter Element Change39
TCS.....17	Throttle Operation.....40
Seat.....19	Spark Plug.....41
Fuel Recommendation.....20	Brake Fluid Level Inspection.....42
USB Power Socket.....21	Brake Pad Inspection.....43
Helmet Holder22	Battery.....44
Suspension.....23	Fuse.....45
Side Stand.24	Tires.....46
CBS.25	Tires Inspection.....47
Passenger Foot Pegs.....26	Clean the Vehicle.....48
Right-hand Handlebar Switch.....26	Crankcase Blow-by Drain.....49
Left-hand Handlebar Switch.....27	Storage.....50
	EMISSION CONTROL.....51
	MAINTENANCE RECORD.....52
	SPECIFICATIONS.....54

SECTION 1 -

FORWARD & SAFETY INTRODUCTION

Thanks for purchasing this KYMCO **Skytown 125/150**, and welcome to the KYMCO family. Please read this owner's manual carefully before riding so that you will be thoroughly familiar with the proper operation of controls, features, capabilities, and limitations.

To ensure a long, trouble-free life for using the vehicle, provide it with the proper care and maintenance as described in this manual.

For replacement parts and accessories, you should always use genuine KYMCO products, as they have been specially designed for the vehicle and manufactured to meet the standards. Keep this owner's manual with the scooter at all times so that you can refer to it whenever you need information. This manual should be considered a permanent part of the scooter and should remain with the vehicle when it is sold.

All information, illustrations, photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes, there may be slightly different from the vehicle. KYMCO reserves the right to make product and publication changes at any time without notice or obligation.

SCOOTER SAFETY

IMPORTANT SAFETY INFORMATION

It will be used with pleasure for a longer time if you take responsibility for your safety and understand the challenges that you could face on the road. There is much that you can do to protect yourself. Here are many helpful recommendations and some very important tips in this manual.

Wear a helmet

The safety equipment starts with a quality helmet. One of the most serious injuries in a crash is a head injury. Always wear a properly approved helmet and also wear suitable eye protection.

Make you easy to see

To make yourself more visible, wear bright reflective clothing to position yourself clearly so that other drivers can see you, signal before making a turn or changing lanes, and use your horn because it will help others notice you.

Know your Limits

Always ride within the limitation of personal skills. Knowing these limits and staying within them will help you to avoid accidents.

Keep the vehicle in safe condition

For safe riding, it's important to inspect the vehicle before every ride and perform all recommended maintenance. Never exceed load limits, and only use the approved accessories.

Inspect the vehicle before riding

Do not forget to perform an entire safety inspection to ensure safety for all riders before riding.

Be very conscious on a rainy day

Riding on a rainy day requires extra caution especially when it's wet. Braking distance is longer on a rainy day. Keep off the painted surfaces, manhole covers and greasy spots on the paved road as it can be especially slippery. Use extreme caution on the railway crossing or on the metal surface. Whenever in doubt about the road condition, please slow down.

Modification

Modification on the vehicle or removal of original equipment may have the vehicle become unsafe or illegal. Obey all the related equipment regulations from the authority.

SCOOTER SAFETY

PROTECTIVE CLOTHING

For your safety, always wear an approved scooter or scooter helmet, eyes protection, boots, gloves, long pants, and a long-sleeve shirt or jacket during a ride.

Helmets and protection

The helmet is the most important gear because it offers the best protection against head injury. The helmet should fit your head comfortably and securely. Always wear a face shield or goggles to protect eyes, but not to interfere with the vision.

Additional riding gears

In addition to the head and eyes protection, you should also use:

Sturdy boots with non-slip soles to help protect feet and ankles.

Leather gloves to keep your hands warm and prevent blisters, cuts, burns and bruises.

A scooter suit is designed for comfort as well as protection. Bright color with reflection strips can make you more noticeable. Be sure to avoid loose clothes that could get caught on any part of the vehicle.

The recommended riding gears:

- ①Wear gloves
- ②Clothes that fit properly
- ③A helmet with eye protection
- ④Bright or reflective clothing
- ⑤Footwear that are of the proper size, have low heels, and offer ankle protection.



WARNING

Not wearing a helmet increases your chance of serious injury or death in an accident.

Be sure your passenger and you always wear an approved scooter helmet that fits properly. You should also wear eye protection and other protective clothing during a ride.

ACCESSORIES & MODIFICATION

There is a large variety of accessories available to KYMCO vehicle owners. KYMCO cannot have direct control over the quality or suitability of accessories you may wish to purchase. The addition of unsuitable accessories can lead to unsafe operation. It is not possible for KYMCO to test each accessory on the market or combinations of all the available accessories; however, the KYMCO dealer can assist you in selecting quality accessories and then install them correctly.

Use extreme caution when selecting and installing the accessories.

No modifications:

KYMCO strongly advises against removing any original equipment or modifying the vehicle in any way that will change its design or operation.



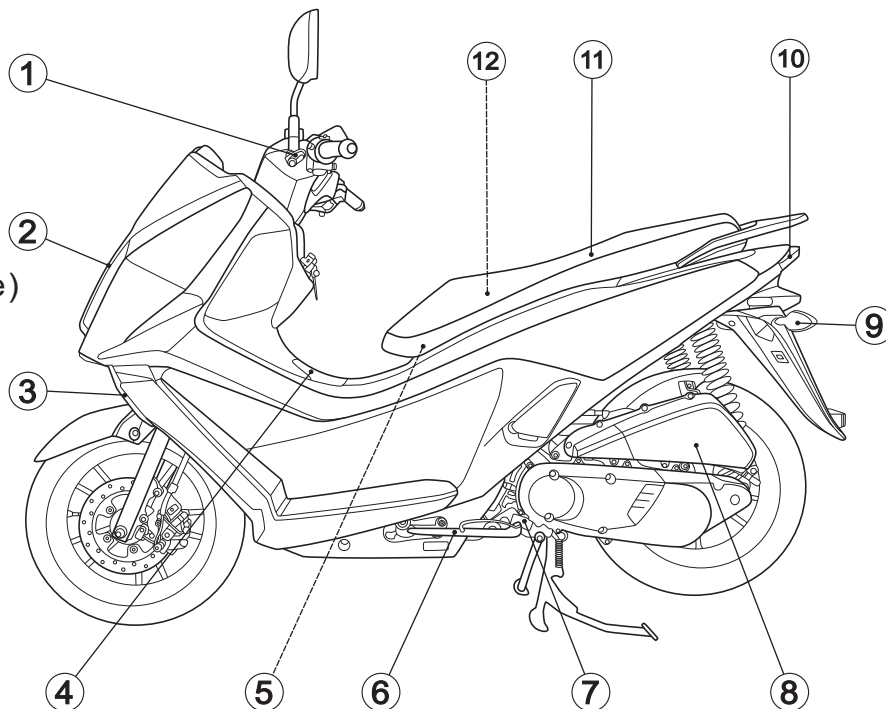
WARNING

Improper accessories or modifications can make the vehicle unsafe and can lead to an accident.

Never modify the vehicle through the improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine KYMCO parts or equivalent components designed for use on this vehicle and should be installed and used according to the correct instruction. If you have any questions, consult the authorized KYMCO dealer.

LOCATION OF PARTS & CONTROLS

- ① Rear Brake Lever
- ② Headlight
- ③ Left Front Turn Signal Light
- ④ Fuel Filler Cap
- ⑤ Helmet Hook
- ⑥ Side Stand(with cut off feature)
- ⑦ Engine Number
- ⑧ Air Cleaner
- ⑨ Left Rear Turn Signal Light
- ⑩ Tail/Brake Light
- ⑪ Seat
- ⑫ Luggage Box



■ NOTE: Your scooter may differ slightly in appearance from the images in this manual.

LOCATION OF PARTS & CONTROLS

⑬ Vehicle Identification Number (VIN)

⑭ Ignition Switch

⑮ Electric Starter Button

⑯ Front Brake Lever

⑰ Right Front Turn Signal Light

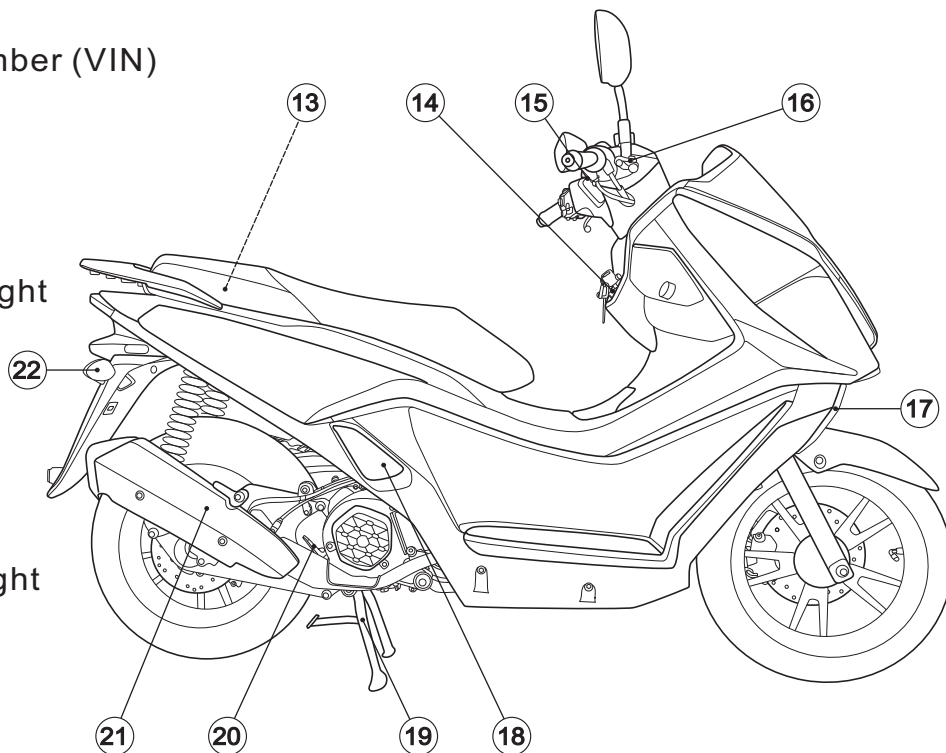
⑱ Rear Passenger Foot Peg

⑲ Center Stand

⑳ Oil Filler Cap/dipstick

㉑ Muffler

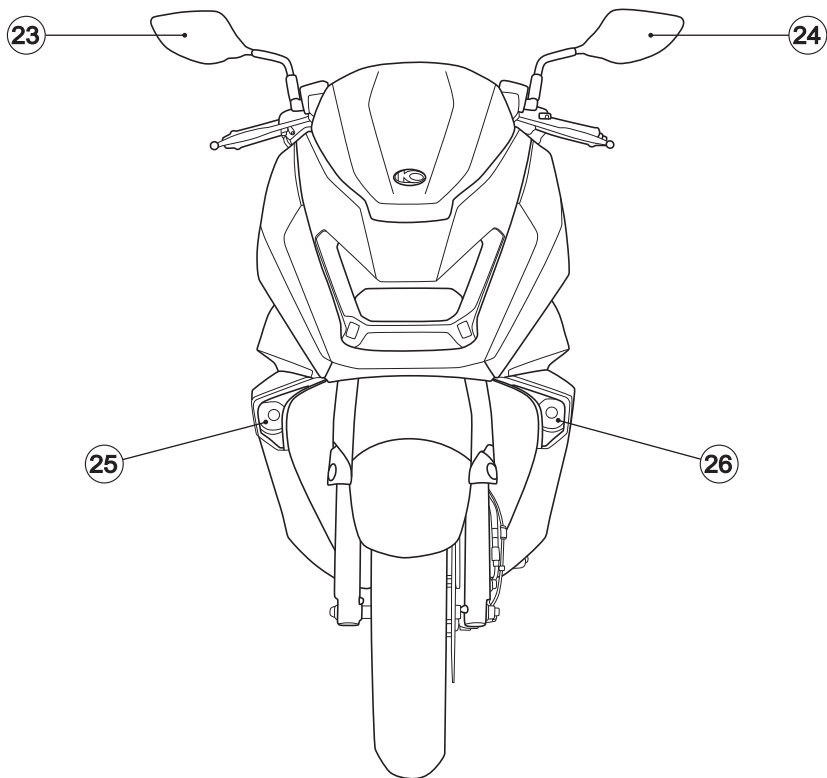
㉒ Right Rear Turn Signal Light



■ NOTE: Your scooter may differ slightly in appearance from the images in this manual.

LOCATION OF PARTS & CONTROLS

- ②③ Right Rearview mirror
- ②④ Left Rearview mirror
- ②⑤ Right Turn Signal Light
- ②⑥ Left Turn Signal Light



■ NOTE: Your scooter may differ slightly in appearance from the images in this manual.

SECTION 2 - CONTROLS&FEATURES

IGNITION SWITCH

To operate the ignition switch and its functions:


“” Position:

All electrical circuits are off. The engine can't run or be started.




“” Position:




The ignition circuit is "ON" and engine can now be started. The key can not be removed from the ignition switch in this position.




“” Position:

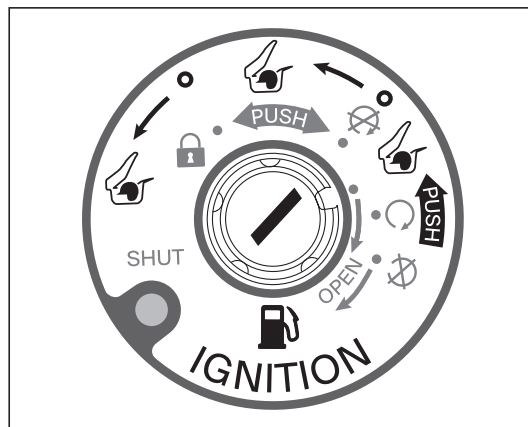
To lock the steering, turn the handlebar all the way to the left, push down and turn the key to the “” position and remove the key. All electrical circuits are off.

“” Position:

With the ignition key in the “” position (the engine is running), push the key in and turn it counterclockwise from “” to the “” position.

With the ignition key in the “” position (the engine is not running), turn the key counterclockwise from the “” to the “” position.

With the ignition key in the “” position, turn the key counterclockwise from “” to “” position. Pull up on the back portion of the seat to lift it up.

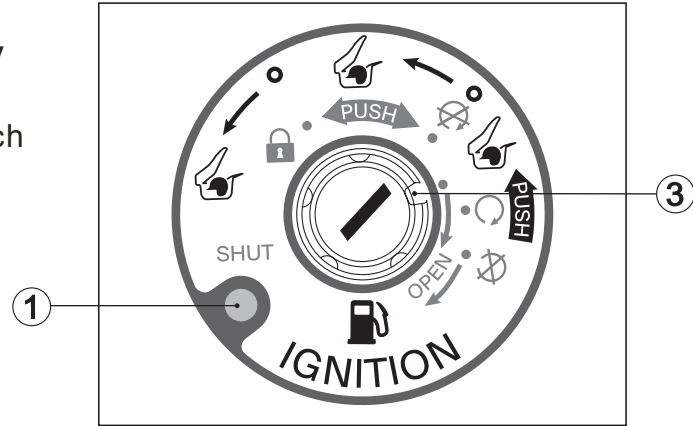


CONTROLS & FEATURES

SECURITY SHUTTER

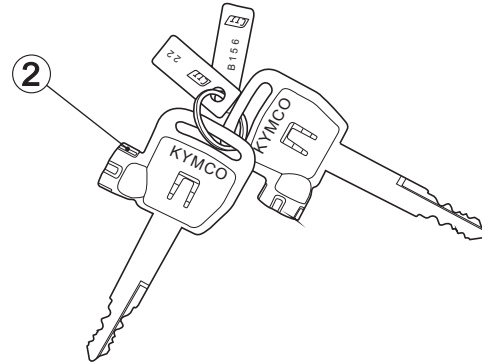
To open the ignition switch security shutter :

Push the shut button ① on the ignition switch panel to close the security shutter.



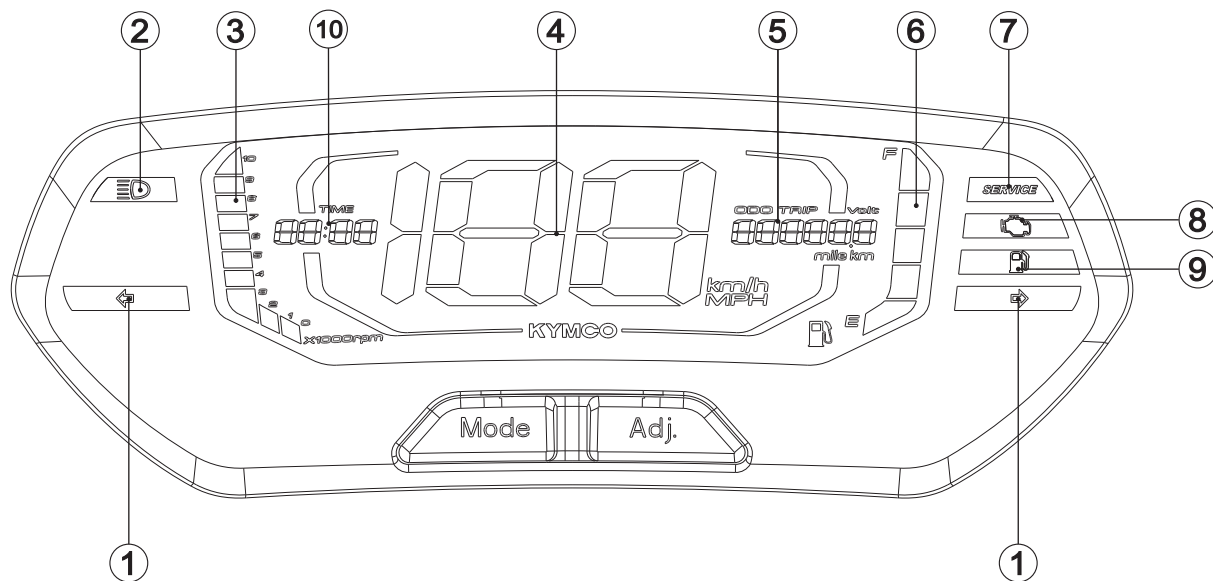
To shut the ignition switch security shutter :

1. Insert the specific key until the notch ② is aligned with the pin ③.
2. Turn clockwise to open the security shutter.



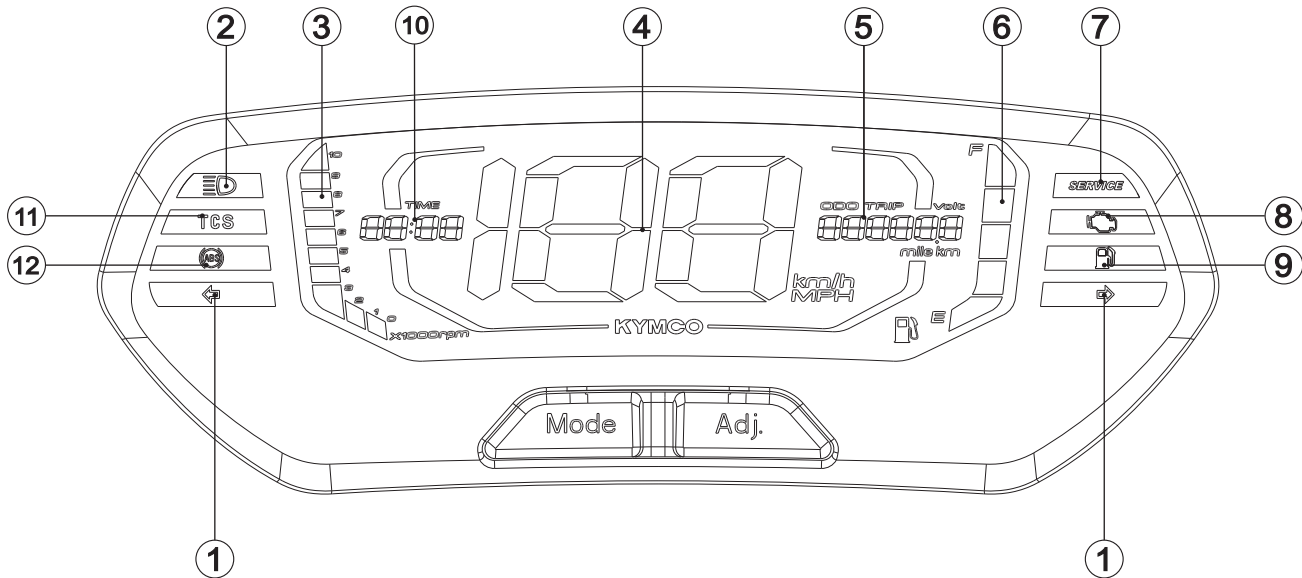
CONTROLS & FEATURES

INSTRUMENTS(Skytown 125 CBS)



CONTROLS & FEATURES

INSTRUMENTS(Skytown 150)



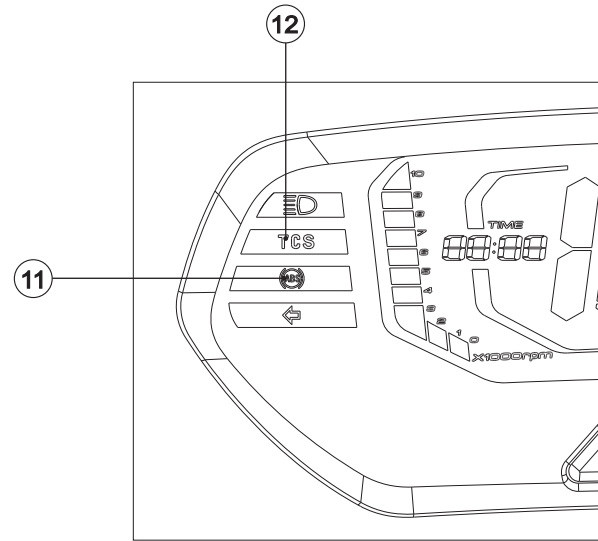
CONTROLS & FEATURES

- ① Turn Signal Indicator Light: Flashes when either turn signal is being used.
 - ② High Beam Indicator Light: This light is illuminated when the high beam is on.
 - ③ Tachometer: Indicates the engine revolution speed in RPM.
 - ④ Speedometer: Indicates the road speed in km/h or MPH.
 - ⑤ Odometer/Oil/ Trip /Volt meter:
 - Press MODE button to toggle between ODO mode, Trip mode, and Oil Service mode. (Empty mode) and Volt mode.
 - Choose ODO or TRIP mode, press Adj to switch between km display and mile display. When switching the setting, all units used in the dashboard will be switched simultaneously.
 - Choose Trip or Oil Service mode, hold both Mode and Adj for 2 seconds to reset.
 - Battery voltage: Display the current battery voltage.
 - ⑥ Fuel Gauge: This gauge indicates amount of gasoline in the fuel tank. When the needle approaches “ E ” this indicates the tank is near empty and should be refilled.
 - ⑦ Service indicator: It lights up every 2000km to remind you to do oil service. Whenever the ignition switch is turned on, it goes on then off after self-diagnose.
 - ⑧ CELP indicator: If it keeps on after starting the engine, it indicates that a fault has been detected in the EFI or electrical system. It needs immediate inspection by the authorized KYMCO dealer.
- **NOTE:** Turn on the ignition switch, The CELP indicator will always illuminate. After starting it will be off.
- ⑨ Fuel warning indicator: It will be on when the fuel tank is nearly empty, it alerts the rider to refill the fuel tank as soon as possible.
 - ⑩ Digital Clock.

CONTROLS & FEATURES

⑪ ABS indicator: It lights up when the ignition switch is turned on and will turn off until vehicle speed exceeds 6 km/h. It will stay off as long as the ABS system works normally.


⑫ TCS indicator: The indicator continuously lights up after turning on the main switch and the TCS function is opened. It will go off automatically until vehicle speed exceeds 10km/h.



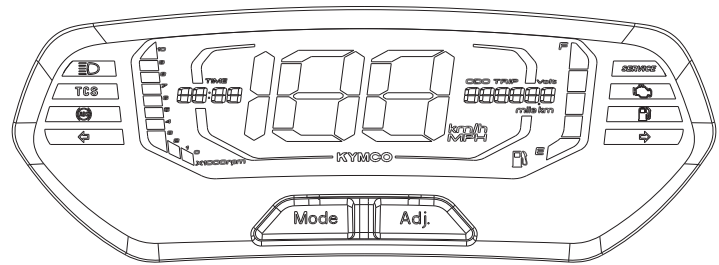
■ **NOTE:** If the TCS and ABS indicators light up still after vehicle speed exceeds 10km/h, have the vehicle been checked by an authorized dealer.

CONTROLS & FEATURES

Adjust clock

1. Turn the ignition switch to the “” position.
2. Push the Mode button to toggle between ODO, TRIP, Oil service and Volt and choose ODO mode.
Apply Skytown 125 Model
3. Push the Mode button for more than 2 seconds. The “hour” digits will begin flashing, you can adjust it by pressing the Adj button.
Apply Skytown 150 Model
3. Push both the Mode button and the Adj button for more than 2 seconds. The “hour” digits will begin flashing, you can adjust it by pressing the Adj button.
4. Push the Mode button, the minute digits will begin flashing, you can adjust it by pressing the Adj button.
5. Push the Mode at the same time to finish the clock setting.

■ **NOTE:** The digital clock can be only adjusted in ODO mode.



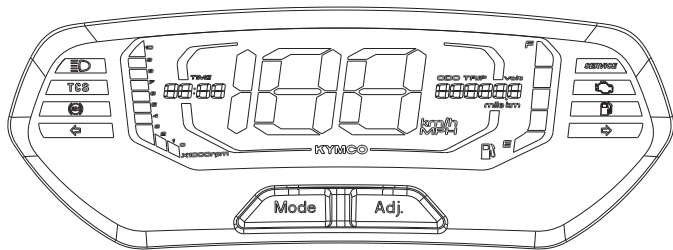
■ **NOTE:** The adjustment will be cancelled if any button is not pressed within approximate ten seconds.

■ **NOTE:** The clock will be reset to 12:00 when the battery is disconnected.

CONTROLS & FEATURES

ABS (Anti-Lock Brake System)

- 1.This indicator light will self-check and the ABS system by illuminating when the main switch is turned on, and it turns off after the vehicle speed exceeds 6 km/hr.
- 2.If an ABS is detected by the system's microprocessor, the ABS indicator will illuminate and stay on until the fault is repaired.
- 3.If the indicator light is lit and remains on after the scooter is moving, it also indicates that the ABS system is not functioning.
- 4.Even if there is an ABS system failure, the conventional braking system still functions normally.



■ **NOTE:** If the ABS indicator lamp indicates a fault, take your scooter to your authorized KYMCO dealer for repairs. Do not attempt to affect repairs yourself.

Precautions

- 1.The ABS system is the equipment that prevents wheel lockup in case of an emergency braking, thus is capable to keep stability when applying brakes.
- 2.Use steady, even braking application on the front and rear brake levers simultaneously.
- 3.Apply the brake levers with the same grip pressure as you would without ABS.
- 4.The system controls braking pressure automatically and independently at each wheel to prevent wheel lockup.
- 5.The ABS does not prevent from falling down while cornering into a slippery condition.
- 6.ABS does not apply the brakes automatically. It needs to apply the brakes at the right time and with the right amount of braking force.
- 7.The ABS system only starts to work after applying the brake lever.

CONTROLS & FEATURES

Introduction

1.ABS is designed to help prevent the wheels from locking up when the brakes are applied hard while running straight.

2.ABS automatically regulates brake force by intermittently applying and disengaging braking force to help prevent wheel lock-up and allow for stable steering control while stopping.

3.Brake control function is identical to that of conventional vehicle. The brake lever is used for the front brake and rear brake.

4.Although the ABS provides stability while stopping by preventing wheel lock-up, remember the following characteristics:

- ABS can not compensate for adverse road conditions misjudgment or improper application of brakes. You must take the riding precautions as with scooter not equipped with ABS.

- ABS is not designed to shorten the braking distance. On loose, uneven, or downhill surfaces, the stopping distance of a vehicle with ABS may be longer than that of an equivalent vehicle without ABS. Use special caution in such situations.

- ABS will help prevent wheel lock-up when braking in straight line but it cannot control wheel slip which may cause by braking during cornering. When turning a corner, it is better to limit braking to the light application of both brakes or not to brake at all. Reduce your speed before you get into the corner.



WARNING

Use non-recommended tyres may cause malfunctioning of ABS and lead to extended braking distance. The rider could have an accident as a result. Always use the recommended size tyres for your scooter.



CAUTION

1.When ABS is functioning, you may feel a pulsation in the brake lever which is normal. Continue to brake normal.

2.ABS does not function at road speed of approximately 6km/h or less.

3.ABS does not function if the battery voltage is very low, or there is power supply interruption.

CONTROLS & FEATURES

TCS (Traction Control System)

1.The indicator light ① will light up in amber color if TCS is on when turn on the main switch.

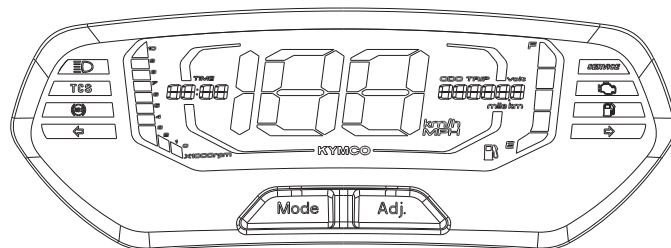
2.Once the vehicle speed is over 10 km/h, the indicator light will go off automatically. The TCS keeps function at this time.

3.Following indicator condition is :

- Does not light up: TCS is on but not function.
- Flashing in amber light: TCS is on and is functioning.
- Solid amber light: TCS is malfunction.
Please have a KYMCO dealer check the vehicle as soon as possible.
- Solid green light: TCS is off.

4.TCS

Press the Mode button for more than 2 seconds to turn off the TCS after turn on the main switch and then the TCS indicator light remains green light .



⚠ CAUTION

1.If the TCS is turned off , the TCS is turn on again after turn off the main switch and turn on .

2.On during riding ,The TCS can't turned off or turn on .

3.If turn off the TCS after during riding , , please follow the steps below.

- Stop the vehicle.
- Turn on the main switch or the engine is under idling.
- Turn off the TCS.

CONTROLS & FEATURES

Introduction

1.If rider gives too much throttle or rides on a slippery surface like an ice-covered road or a wet road and etc., it may cause the rear wheel slipping. The TCS helps the vehicle maintain traction when above situation happens.

2.If sensors detect that the rear wheel is starting to slip (uncontrolled spinning), the TCS assists by regulating engine RPM until traction is restored. You may notice changes in engine response or exhaust sound.



WARNING

- The TCS is not a substitute for riding appropriately for the conditions. The TCS cannot prevent loss of traction or front wheel-slip while rider is entering turn in excessive speed or accelerating hard at a sharp lean angle or braking too hard. As with any vehicle approach surfaces that maybe slippery with caution and avoid especially slippery surfaces.
- Use only the specified tyres. Using different size tyres will result the TCS cannot operate accurately that may cause hazardous situation.

■ NOTE: Turn off the TCS is recommended before start the engine in a cold weather, if open the throttle to make the engine start or warm up easily is necessary. After that, turn on the TCS.



CAUTION

- The TCS will turn on automatically when main switch restarts.
- Turn the TCS off to free the rear wheel if the vehicle gets stuck in mud, sand, or other soft road surfaces.
- When the vehicle is on the center stand and the TCS is on, do not attempt to wide open the throttle for an extended period of time to avoid the spark plug wetting or cause the indicator light remains on due to the malfunction detected.
- The TCS will lose function and the indicator will light up when the battery malfunction or died.

CONTROLS & FEATURES

Seat

To unlock the seat

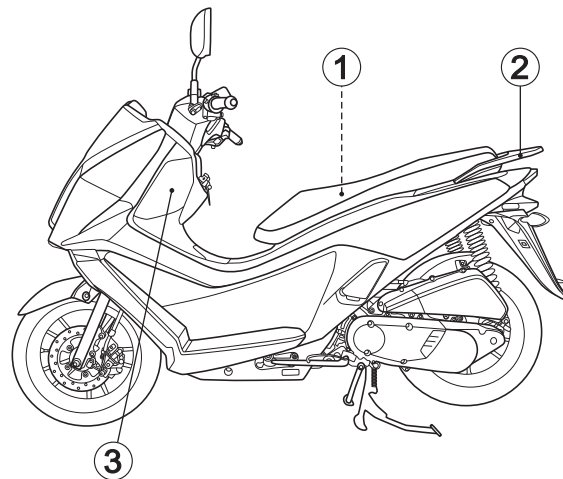
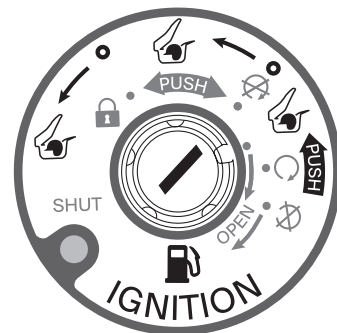
With the ignition key in the "🔄" position (the engine is running), push the key in and turn it counterclockwise from "🔄" to the "👉" position.

With the ignition key in the "🔒" position (the engine is not running), turn the key counterclockwise from the "🔒" to the "👉" position.

With the ignition key in the "🔒" position, turn the key counterclockwise from "🔒" to "👉" position. Pull up on the back portion of the seat to lift it up.

Maximum cargo weight:

- ① LUGGAGE BOX.....10KG
- ② REAR CARRIER5KG
- ③ FRONT INNER BOX1.5KG





CONTROLS & FEATURES

Fuel level inspection / Refilling

If When the fuel level gauge needle approaches "E" (indicating the tank is nearly empty), refill the tank with unleaded gasoline.

To open the fuel filler cover/cap:

1. Turn the ignition switch key from the "  " position to the "  " position, and the fuel filler cover will open.
2. Remove the fuel filler cap.

Fuel recommendation

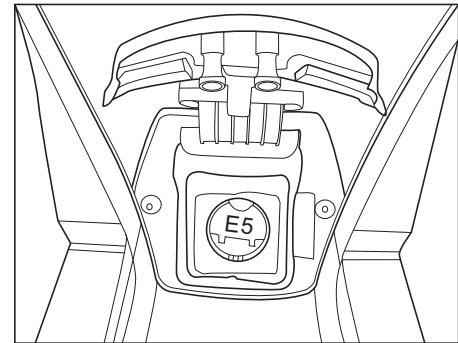
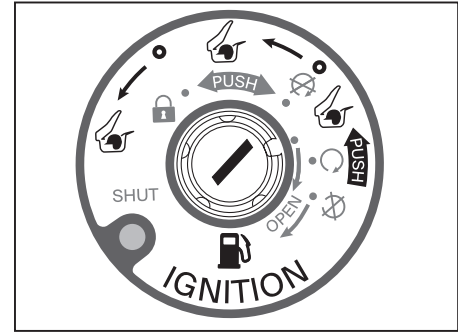
In order to prevent fire risks caused by fuel overflow from the Fuel Inlet, make sure the Fuel Tank Cap is fully locked after refueling.

Fuel Type and Octane Rating

Use clean, fresh unleaded gasoline with an ethanol volume content not more than 5% and an octane rating equal to or higher than that shown in the table.

Fuel Type	Unleaded Gasoline
Ethanol Content	E5 or less
Minimum Octane Rating	Research Octane Number (RON) 92

■ **NOTE:** Gasoline containing up to 5% ethanol by volume



CONTROLS & FEATURES

Power Socket

This vehicle is equipped with the accessory USB power socket which provides a function to charge the mobile phone with capacity compliance as below.

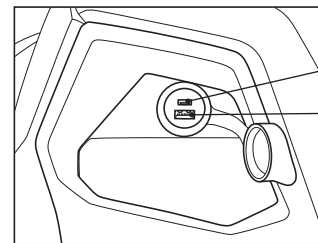
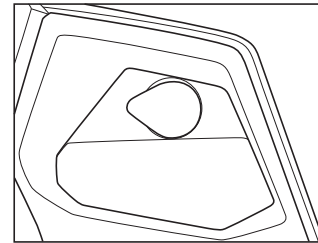
- To use the accessory power supply, turn on the ignition switch, and then start the engine.
- Open the power socket cap.
- Plug the charge connector into the USB or type-c socket.

The rated capacity:

Output : DC 5V/3A(15W)

DC 9V/2A(18W)

DC 12V/1.5A(18W)



TYPE-C

USB

CAUTION

- To prevent fuse from being blown, do not charge a product with a load exceeding 18W; if overheat occurs during charging, the system will cut off power supply automatically
- After riding and before leaving the scooter, make sure the product is unplugged and the Protection Cap is properly covered back.

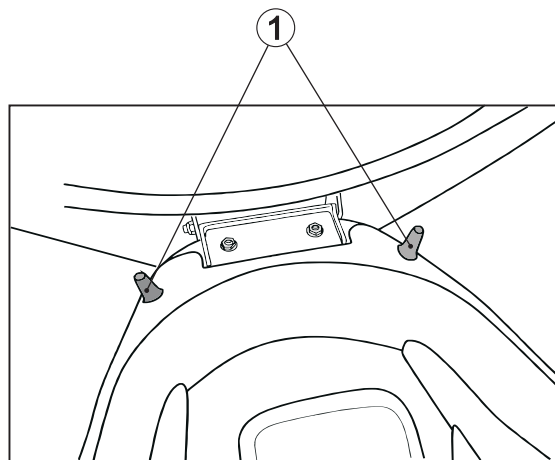
WARNING

- To avoid electrocution or short-circuit, make sure to cover-up the protection cap after using the Power Socket.
- To prevent any accident from occurring, park your Scooter at a safe location before using the Power Socket.

CONTROLS & FEATURES

Helmet Holder

To use the helmet holders, open the seat and hang the helmet on the holder hook ①, then lock the seat securely.



WARNING

Use the helmet holder only on parking.
Do not ride with a helmet hanged on the holder.

CONTROLS & FEATURES

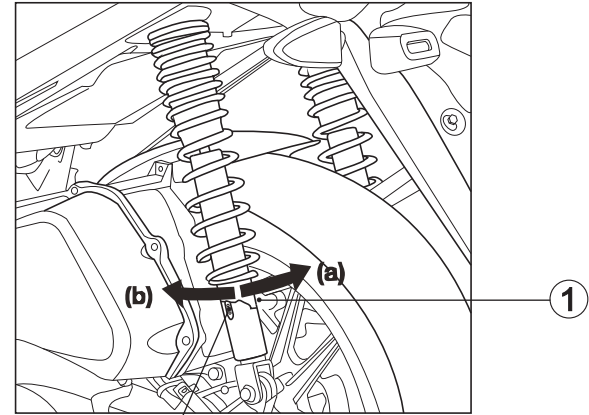
Suspension

Each shock absorber assembly is equipped with a spring preload adjusting ring ①.

Adjust the spring preload as follows.

To increase the spring preload and thereby harden the suspension, turn the adjusting lever on each shock absorber assembly in direction (a). To decrease the spring preload and thereby soften the suspension, turn the adjusting lever on each shock absorber assembly in direction (b).

Align the appropriate notch in the adjusting ring with the position indicator on the shock absorber.



Position indicator



WARNING

Be certain to adjust both shock absorber to the same spring preload position.

Improper setting of shock absorber will cause unstable handling and might lead to an accident.

CONTROLS & FEATURES

Side Stand

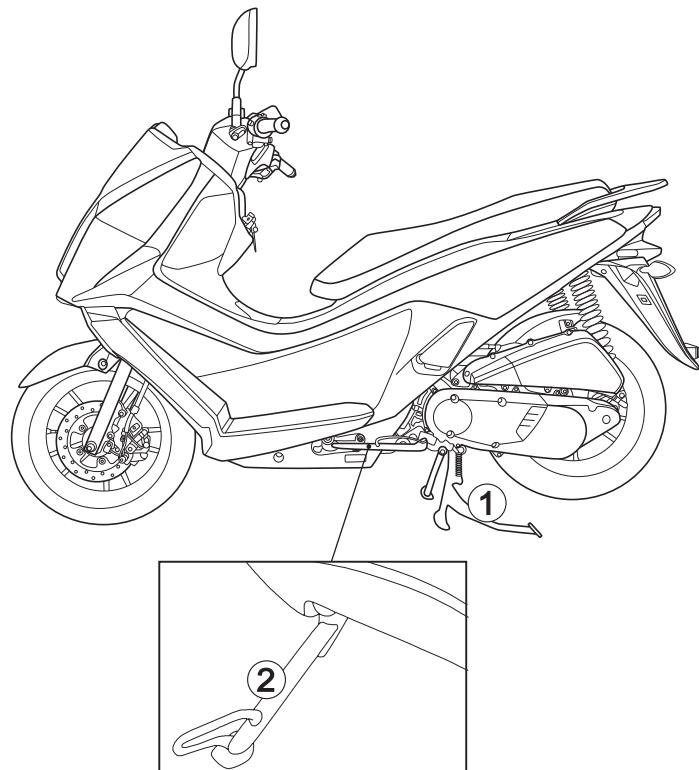
The side stand is not only necessary for parking, but also contains an important safety feature. This feature can cut off the ignition when the side stand is put down.

Perform the following side stand inspection for interlock function check.

Check the ignition cut-off on the side stand:

- Position the vehicle on the level ground by using the center stand ①.
- Put the side stand up and start the engine.
- Lower the side stand ②. The engine should stop as doing.

■ **NOTE:** If the side stand system does not operate as described, see your KYMCO dealer for service.



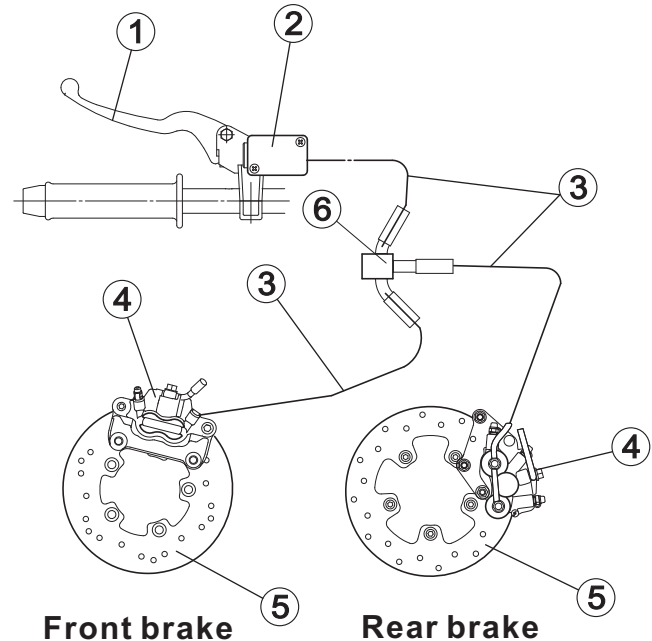
CONTROLS & FEATURES

Combination Braking System(CBS)

Combination Braking System , the rider's action of depressing the rear brake lever applies both front and rear brakes, The amount of each brake applied is determined by CBS pump. Depressing the front brake lever only applies the front brake.

CBS Diagram

- ① Rear brake lever
- ② the master cylinder
- ③ the brake tubing
- ④ the brake caliper
- ⑤ the brake disc
- ⑥ CBS Pump

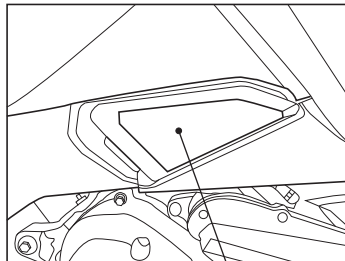
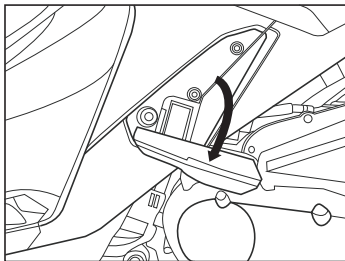


CONTROLS & FEATURES

Passenger foot pegs

Your scooter is equipped with additional pegs for use when you are carrying a passenger.

- 1.To move the passenger pegs from the scooter's body, press the pegs downward ①.
- 2.When you are not carrying a passenger, press the pegs back into place.

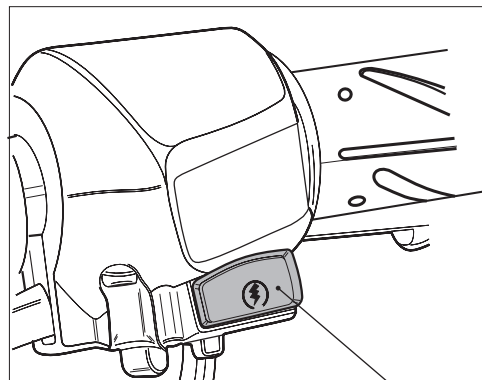


①

Right handlebar switch

Starter button:

Press starter button " ② " and pull brake lever in the meantime to actuate the starter motor.



②

■ **NOTE:** Hold the left brake lever, or the starter motor won't work. Don't press the starter button while the engine is running.

CONTROLS & FEATURES

Left handlebar switch

Turn signal switch ① :

Push to signal other drivers for an intention to make a turn or change a lane. The turn signal light is blinking while the switch is pushed left or right.

" ← " for left turn.

" → " for right turn.

To stop the turn signal, push the switch again.

Horn button ② :

Press the horn button to sound the horn.

Dimmer switch ③ :

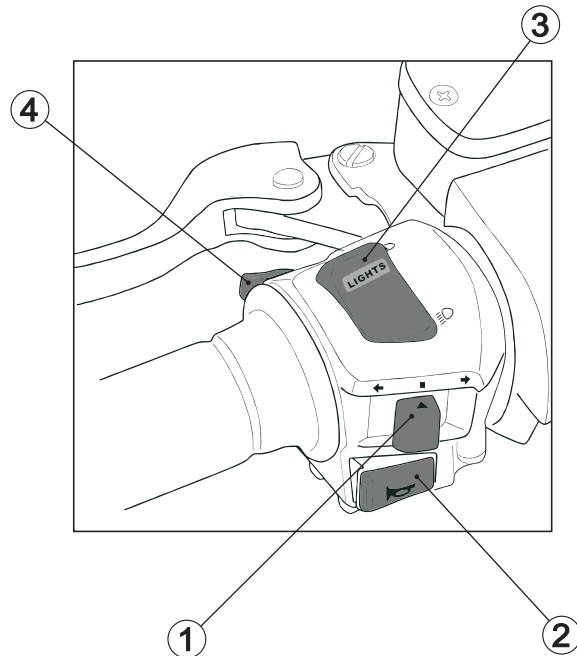
Switch to select the light with high or low beam.

" ≡▷ " for low beam.

" ≡▷ " for high beam.

Passing button ④ :

Press this button to flash the headlight with high beam to signal other drivers ahead for an intention to overtake.



SECTION 3- OPERATION

Pre-ride inspection

For your safety, it is very important to spend a few moments before each ride to walk around the motorcycle and check its condition. If you detect any problem, be sure to deal with it, or have the KYMCO dealer to fix it.



WARNING

Improper maintenance of the motorcycle or failure to solve a problem before riding can cause a crash in which you can be seriously hurt or killed. Always perform a pre-ride inspection before every ride and solve any problems.

1. Engine oil level:

Add engine oil if required.

Check if there's a kind of leakage.

2. Fuel level:

Fill fuel tank when necessary. Check if there's a kind of leakage.

3. Front and rear brakes:

Check operation and make sure there is no brake fluid leakage.

4. Tires:

Check condition and inflation pressure.

5. Throttle:

Check for smooth operation and that it can be closed completely in all steering positions.

6. Lights and horn:

Check that headlight, tail/brake light, turn signals, indicators and horn function properly.

7. Steering:

Check for condition and smoothness.

OPERATION

Break-in

The first 1600km (1000 miles) of riding is very important to the life of usage. Proper break-in operation during this period will help ensure maximum life and performance. The reliability and performance depend on a special care and limited operation during the break-in period.

The following limitations should be complied during the break-in period:

Initial 800km (500 miles):

Less than 1/2 throttle or not over

Up to 1600km (1000 miles):

Less than 3/4 throttle

Vary the engine speed

The engine speed should be varied and not held constantly for a long time and also prohibited to have heavy load during the break-in period.

Avoid constant low speed

Operate the engine at constant low speed even of light load may cause the running part a fit-in problem. Be sure to start up the engine gently during the break-in period.

Avoid full throttle operation

Operate the engine at high speed may cause running part a lubrication problem. Be sure to keep in the limited speed range during the break-in period.



WARNING

The 1000km (600 miles) initial service is very important to ensure an optimum vehicle condition in the future.

OPERATION

Starting the engine


Always follow the proper starting procedure described here and on the following pages.

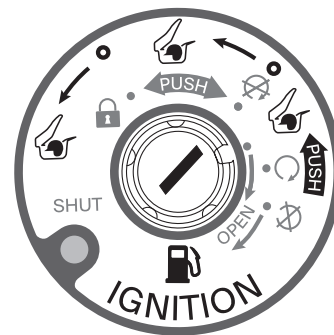
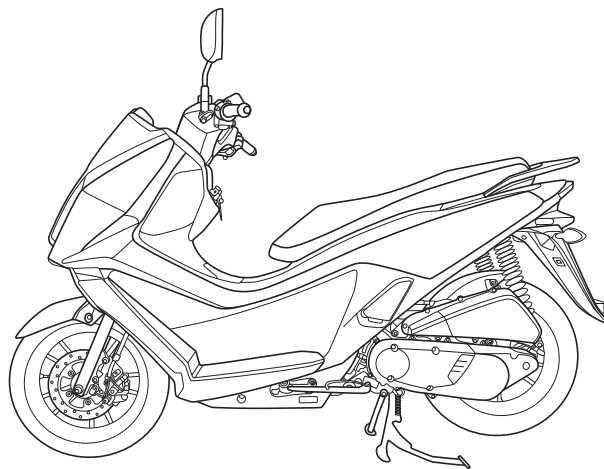
CAUTION

To protect the catalytic converter in the engine's exhaust muffler, avoid idling too long and do not use leaded gasoline.

CAUTION

To prevent damage to the starter motor, do not operate the starter motor for more than 5 seconds at a time. If you fail to start successfully, check the fuel level and the battery condition, and waiting for 15 seconds between each fail to start.

1. Position the scooter by the center stand and put the side stand up.
2. Insert the ignition key and turn it to “”



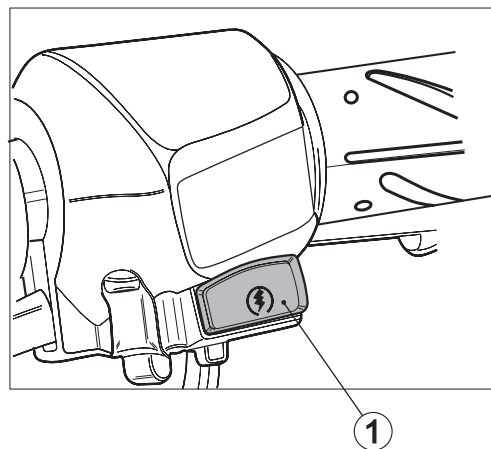
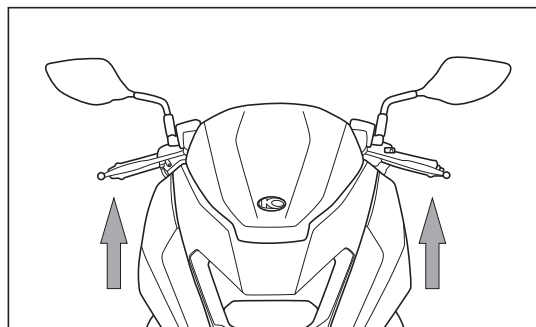
OPERATION

3. Squeeze the left (rear) brake lever to connect

4. Press the starter button ① with the throttle closed, releases it at once as the engine starts.

5. Keep the throttle closed while warming up the engine.

6. Keep the engine warming up thoroughly before each ride.



⚠ CAUTION

After starting, allow the engine oil to circulate before riding your scooter. Allow sufficient idling time after warm or cold engine start-up before applying load or reviving the engine. This allows time for the lubricating oil to reach all the critical engine components.

SECTION 4 - MAINTENANCE

The importance of maintenance

Maintaining the scooter properly is essential for safe, economical and trouble-free riding. It will also help reduce air pollution and maximize fuel economy.

To properly take care of the scooter, the following pages in this Owner's Manual include a maintenance schedule to help you make sure the scooter is serviced at the appropriate intervals.

These instructions are based on the assumption that the scooter will be used normally on the design purpose. Usually under high speed driving or riding in unusually wet or dusty area will require more frequent service than specified in the maintenance schedule. Consult with the KYMCO dealer for recommendations about your personal needs.

NOTE: Always follow the inspections, service recommendations and schedules on later pages.



WARNING

If the scooter turnovers or becomes involved in a crash, be sure to have the KYMCO dealer inspect all major parts, even if you are able to make some repairs. Improper maintenance of the scooter or failure to solve a problem before next riding could result in a crash in which you could be seriously hurt or dead.



WARNING

When performing maintenance service on the scooter you may need to start the engine. Running the engine indoors can be hazardous. Exhaust gas contains carbon monoxide which is colorless and odorless, and can cause death or severe injury. Start the engine only where is ventilated well, preferably operate outdoors.

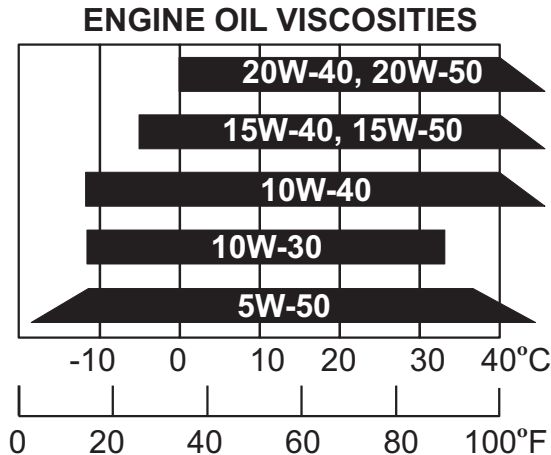
MAINTENANCE

Engine oil recommendation

Use a high quality 4-stroke engine oil to ensure a longer life. Choose SL oil or higher according to the classification of API.

Engine oil viscosity : SAE 15W-40

If these viscosities are not available, select an alternative engine oil according to the chart shown below.

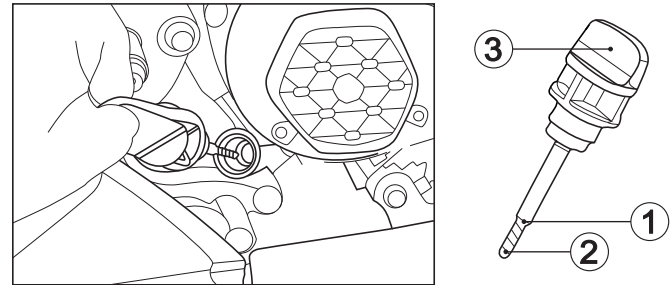


Full capacity: 0.9L (0.85US QT)

Exchange capacity: 0.8L(0.76 US QT)

Engine oil level inspection

Check the engine oil level each day before riding your scooter. The level must be maintained between the upper ① and lower level ② marks on the oil filler cap/dipstick ③.



⚠ CAUTION

Do not operating the scooter with a low and higher oil level . A low level can cause low oil pressure. Running the engine with insufficient oil pressure can cause serious engine damage. Overfilling the engine can cause oil leaks or oil contamination of the air filter element. Always make sure the oil level is above the "L" mark but not higher than the "F" mark on the dipstick.

MAINTENANCE

- Start engine and keep idling for a few minutes.
- Stop the engine and stand the scooter on level ground by center stand.
- Wait a while, remove the oil level dipstick.
- Wipe oil off, then reinsert the oil level dipstick without screwing in.
- Remove the oil level dipstick. The oil level should be between the high and low lines on the dipstick.
- If required, add the specified oil so the oil level reaches the high level line on the dipstick. Do not overfill.
- Reinstall the oil level dipstick. Check for oil leaks.



WARNING

The engine and related parts can become very hot. Be careful when inspecting the oil level so not to suffer burns. Make the engine and exhaust system cool down before inspection.

Engine oil replacement

Engine oil quality is the major factor that affects engine life. Change your scooter's engine oil as specified in the maintenance schedule.

- Warm engine up thoroughly then stop.
- Stand vehicle by using the center stand
- Place an oil container beneath the drain hole.
- Remove the oil level dipstick.
- Remove the drain bolt and drain off thoroughly
- Tighten the drain bolt to the specified torque.
- Add oil to reach the high line on the dipstick
- Screw the oil level dipstick into place securely.

Tightening torque

Engine oil drain bolt: 25N·m (2.5kg·m, 18ft·lb)



CAUTION

Use the genuine engine oil or another with the same quality and grade to avoid burnout on the engine parts.

MAINTENANCE

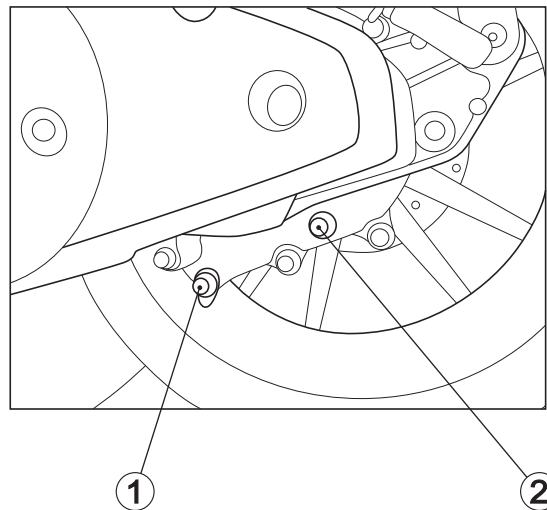
Transmission Gear Oil change

1. Stand the scooter by the center stand.
2. Remove the gear oil drain bolt ①.
3. Remove the gear oil filler bolt ②, and then slowly rotate the rear wheel to drain the gear oil off.
4. Fill with the recommended oil to reach the capacity listed below.
5. Install the transmission filler bolt and tighten it to the specified torque.

Gear oil type: SAE 90

Full capacity: 0.13L (0.12 US QT)

Exchange capacity: 0.11L (0.10 US QT)



CAUTION

Use the genuine engine oil or another type with the same quality and grade to avoid burnout on the bearing or damage on the gearset.

CAUTION

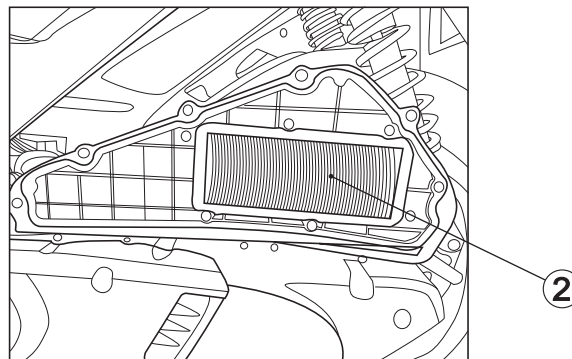
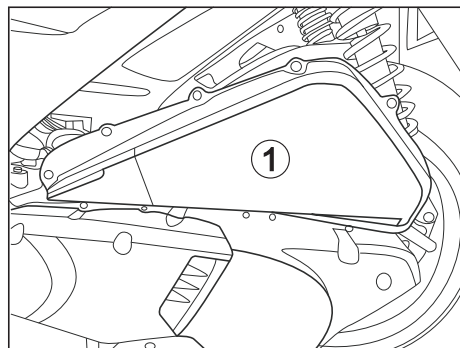
Must follow the local regulation and obey the related prohibition about the disposal of oil.

MAINTENANCE

Air cleaner filter element

The air cleaner filter element should be serviced at regular intervals by the KYMCO dealer.

- 1.Remove the screws from the air cleaner cover ① .
- 2.Remove the air cleaner cover.
- 3.Remove the bolts from air cleaner element , replace it with a new one ② .



■ **NOTE:** Have the element serviced more often when riding in unusually wet or dusty areas.

■ **NOTE:** Air cleaner is an important part of your scooter ,please go to a KYMCO dealer for air cleaner service.

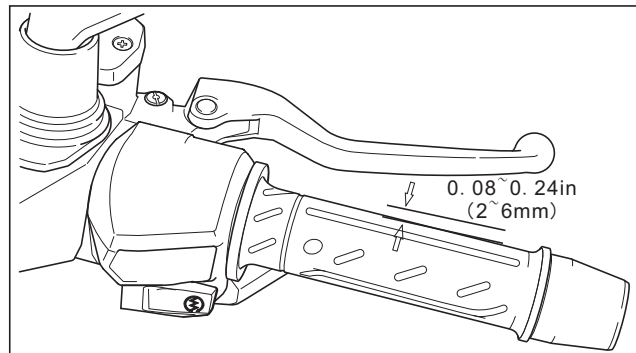
MAINTENANCE

Throttle operation

The throttle operation and free play must be inspected and adjusted periodically (as part of the pre-ride inspection).

1. Before riding, check for smooth rotation from fully open to fully closed at both full end of steering.
2. Measure the throttle free play as shown at right.

Throttle free play: 2.0 - 6.0 mm (0.08-0.24 in)



■ **NOTE:** If your scooter's throttle free play requires adjustment, contact your KYMCO dealer for service.

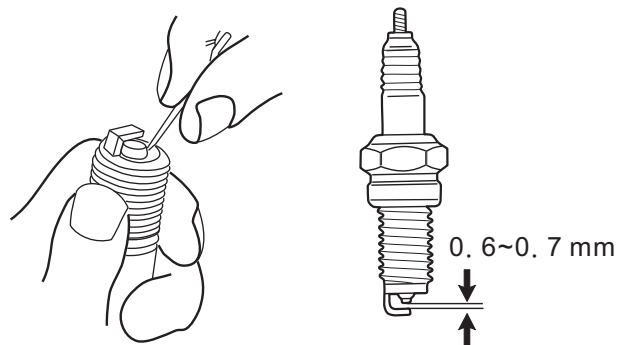
MAINTENANCE

Spark plug

Remove the carbon deposits from the spark plug with a nonmetal brush and the suitable solvent. After cleaning, check to adjust the spark plug gap to specified limit by using a spark plug gap thickness gauge. The spark plug should be replaced periodically.

Recommend to consult with the KYMCO dealer when choosing an alternative spark plug instead.

Recommended spark plug : LR7D (NGK)



⚠ CAUTION

An improper spark plug may have an incorrect fit or heat range for your engine. This may cause severe engine damage which will not be covered under warranty. Never use a spark plug with an improper heat range, as it can result in severe engine damage.

Spark plug gap: 0.6~0.7 mm

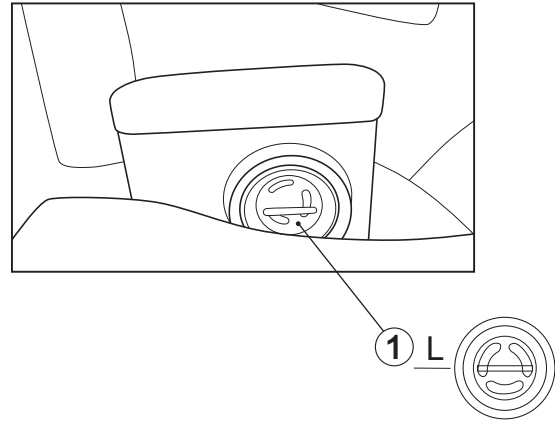
MAINTENANCE

Brake fluid

Brake fluid level inspection

With the scooter in an upright position, check the front and rear fluid level. Change the brake fluid at the time specified in the maintenance schedule.

The fluid level should be above the lower level line ① . If the fluid level is below the lower level mark "L", check over the worn brake pad or leakage.



NOTE: Make sure there is no fluid leaking. Check for fluid deterioration or crack on the brake hoses and fittings.

Brake fluid type: DOT- 4



WARNING

Use only DOT-4 brake fluid from a sealed container. Clean the filler cap before removing.

MAINTENANCE

Brake Pad Inspection

Inspect the thickness of brake pad to verify if there is enough lining to brake properly.

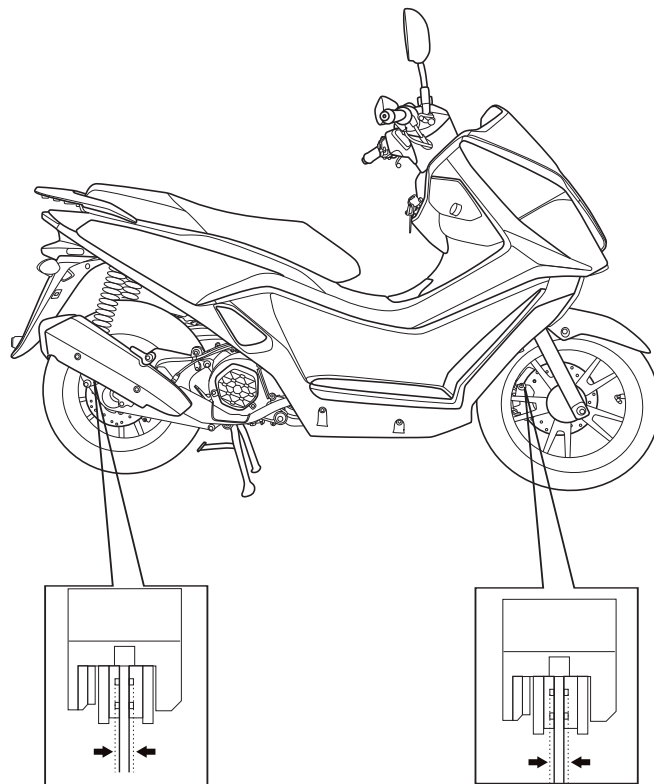
If the wear indicated groove at the brake pad is no longer visible, this means that the brake pad is worn and requires replacement.

Before riding, apply braking several times to reach the proper lever stroke and firm feel on braking action that will ensure the brake pads are pressed against the brake disks securely.



WARNING

The brakes will wear quickly if the lever is continually applied during riding.
The worn brake pad will increase the stop distance and may cause an accident easily.



MAINTENANCE

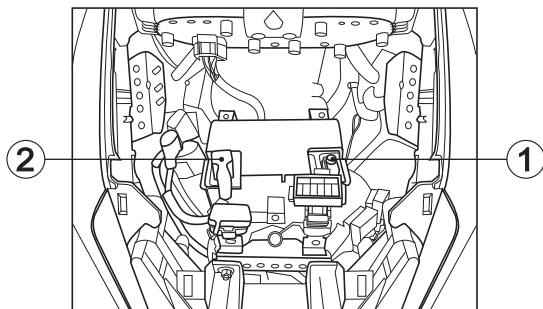
Battery

The battery is a sealed type, so it is unnecessary to check the battery's electrolyte level or add distilled water any more.

■ **NOTE:** If your battery seems weak or the electrolyte is leaking to cause hard start or other electrical troubles, contact the KYMCO dealer immediately.

- Disconnect the negative (-) terminal ①.
- Disconnect the positive (+) terminal ②.
- Remove the disabled battery.
- To reinstall is the reverse sequence of removal.

■ **NOTE:** If the cap strip is removed, the battery will become permanently damaged.



WARNING

Electrolyte is toxic and dangerous since it contains sulfuric acid, which causes severe burns. Avoid any contact with skin, eyes or clothing and always shield your eyes when working near batteries. In case of contact, administer the following FIRST AID.

External: Flush with plenty of water.

Internal: Drink large quantities of water or milk and immediately call a physician.

Eyes: Flush with water for 15 minutes and seek prompt medical attention.

Batteries produce explosive hydrogen gas. Therefore, keep sparks, flames, cigarettes, etc., away from the battery and provide sufficient ventilation when charging it in an enclosed space.

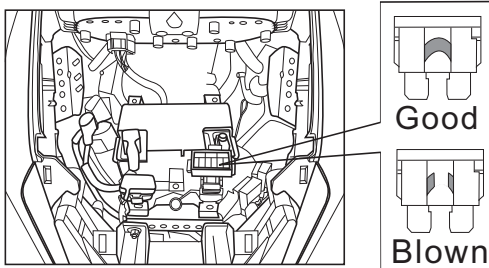
KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.

MAINTENANCE

Fuse

When frequent fuse failures occur, it usually indicates a short circuit or an overload in the electrical system.

1. Turn Main switch off, check for blown Fuse.
2. Only replace with a fuse of specified capacity.
3. Identify the cause of a blown fuse before replacing it.



WARNING

Never use a fuse with a different rating from that specified. Serious damage to the electrical system or a fire may result, causing a dangerous loss of lights or engine power.

Fuse Allocation

All functional fuses are located in the fuse box, there's a sticker on the back of the fuse box cover. Fuse should be inserted according to this sticker.

125 CBS Fuse Specifications
15A*2 10A*1 5A*2

150 ABS Fuse Specifications
25A*1 15A*2 10A*2 5A*2



CAUTION

- Only replace electrical devices (lights, meters) with ones of specified ratings.
- If using an inadequate fuse, it may be blown easily or battery loading may become imbalance.
- Avoid frontal strong water jet when cleaning the scooter.

MAINTENANCE

Tires

Tire pressure

Insufficient tire pressure not only advances wear but also affects the riding stability. Under-inflated tires make turning not smooth and over-inflated tires decrease the contact area with the ground, which can lead to skid and loss of control. Make sure that the inflation pressure is within the specified limits all the time.

■ **NOTE:** Check the tire inflation pressure and tire tread condition at the interval listed in the periodic maintenance schedule. For maximum safety and better tire life, the tire pressure should be inspected more often.

■ **NOTE:** Tire pressure should only be adjusted when the tires are cold.

Front tire (rider only): 1.75 kg/cm²

Rear tire (rider only): 2.00 kg/cm²

Front tire (rider & passenger): 1.75 kg/cm²

Rear tire (rider & passenger): 2.25 kg/cm²

Tire size:

Front tire: 110/70-14 **TUBELESS**

Rear tire: 130/70-13 **TUBELESS**



WARNING

Fail to follow the instruction below may result in an accident due to tire failure. The rider's personal safety is dependent on the condition of the scooter's tires.

Check tire condition and pressure, and adjust the inflation pressure before each ride. Avoid overload on the vehicle.

Replace tires which have been worn to the specified limit, or have any damages such as cuts or cracks.

Always use the designated size and type of tires as specified in this Manual.

Balance the wheel after tire installation.

Failure to perform the break-in of the tires can cause tire slip and loss of control.

Be very careful when riding on new tires as the grip is limited between the ground.

Perform proper break-in of the tires to avoid excessive acceleration, sharp cornering, or hard braking for the first 160 km (100 miles).

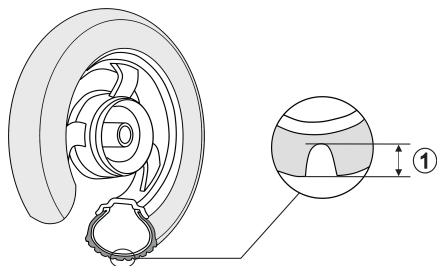
MAINTENANCE

Tires Inspection

Tire wear changes the tire profile and may affect the vehicle's handling characteristics. Check the tire condition before each riding. Replace the tires if tread depth is less than the following limit:

Tire tread wear limit: FRONT 1.6 mm
REAR 2.0 mm

■ **NOTE:** Measure the tread depth ①, do not judge by a visual inspection.



■ **NOTE:** Be sure to balance the wheel after repairing a puncture or the tire. Proper wheel balance is important to avoid variable contact between tire and ground, and to avoid uneven tire wear.

■ **NOTE:** Replace the tires if there's visual evidence of damage as cracks or cuts.



WARNING

An improperly repaired, installed, or balanced tire can cause you to lose control of your scooter or shorten tire life. Ask the authorized KYMCO dealer, or a qualified tire shop to perform tire repair, replacement, and balancing due to the proper tools and experience are required. Always install tires according to the rotation direction shown by arrow on the sidewall of each tire.

MAINTENANCE

Cleaning

Clean your scooter regularly to protect the surface finishes and inspect for damage, wear, and oil, coolant or brake fluid leakage.

Avoid cleaning products that are not specifically designed for scooter, scooter, or automobile surfaces. Nonspecific cleaners may contain harsh detergents or chemical solvents that can damage the metal, paint, and plastic on your scooter.

■ **NOTE:** If your scooter is still warm from recent operation, give the engine and exhaust system time to cool off before washing. Avoid the use of high pressure water spray (typical in coin-operated car washes), as the powerful spray can damage components on your scooter.

Washing your scooter

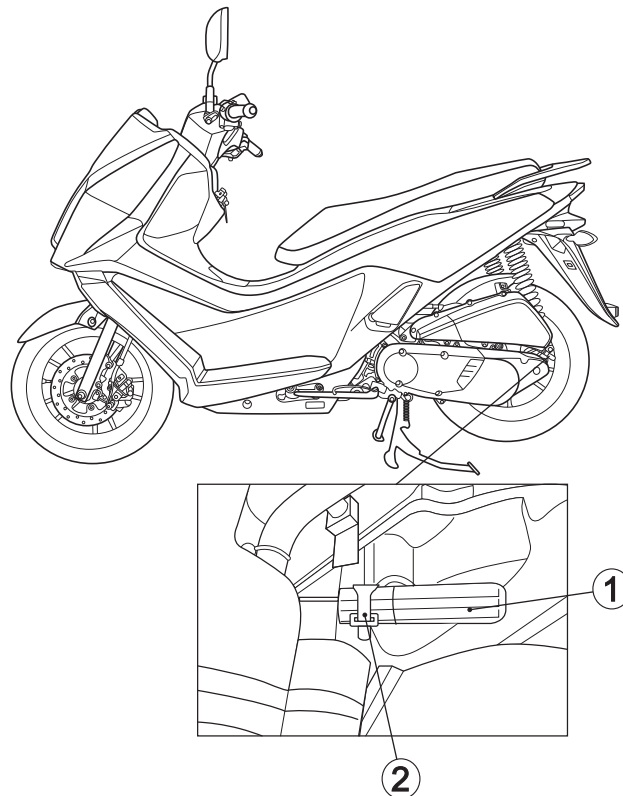
1. Rinse the scooter thoroughly with cool water to remove any loose dirt.
2. Clean the scooter with a sponge or soft cloth using cool water. Avoid directing water at muffler outlets and electrical parts.
3. Clean the plastic parts using a cloth or sponge dampened with a solution of mild detergent and water. Rub the soiled area gently, rinsing it frequently with fresh water. Take care to keep brake fluid or other chemical solvents away from the scooter, as they will damage the plastic and painted surface.
4. After cleaning, rinse the scooter thoroughly with plenty of clean water. This rinsing is required to remove detergent residue which can corrode alloy parts.

MAINTENANCE

Crankcase Blow-by Drain

The air cleaner has a drain tube ① that is for draining the oil condensed fluid from the crankcase.

When the fluid has accumulated to a certain amount in the transparent drain tube, remove the clip ②, drain the fluid into a container, and then reinstall in place.



■ **NOTE:** Drain frequently if you often ride in the rain, at full throttle, or the vehicle has been overturned. Follow the oil disposal regulation.

MAINTENANCE

Storage

Take necessary steps to be in good condition for next use after long storage.

- Perform any necessary periodic maintenance or repairs before storage.
- Exchange new oil after warming up the engine.
- Empty the fuel tank and make sure no fuel remaining by idling until the engine stalls.
- Remove the battery and keep from direct sunlight or freezing temperature, it's better to do a slow charge once a month.
- Wash and dry the vehicle thoroughly.
- Apply corrosion inhibitor to all unpainted metal.
- Inflate all tires to the rated pressure and put the bwheel stands to raise tires off the ground.
- Cover the vehicle, store indoors and keep dry.

Removal From Storage

- Remove cover from the vehicle
- Check the battery voltage or charge it if necessary, and then install it in the vehicle.
- Fill the fuel tank with fuel.
- Check all the points listed in the Pre-ride Inspection section.



WARNING

Gasoline is easily flammable and explosive. It's possible to get burned, even seriously injured when fueling with carelessness.

Stop the engine and keep away from any heat source, spark fire, and flames.

Be sure to add fuel outdoors and wipe the spill up at once.

EMISSION CONTROL

Crankcase Emission Control System

The scooter is equipped with a closed crankcase system. Blow-by gas is recycled into the combustion chamber via the intake system. This arrangement is to prevent blow-by gas from spreading to the atmosphere.

Exhaust Emission Control System

The exhaust emission from the scooter is controlled by combustion management, fuel delivery, ignition setting and exhaust system. The exhaust system also includes the catalytic converter in the muffler.

Evaporative Emission Control System

The evaporative emission control system is used to prevent gasoline vapors from escaping into the atmosphere from the fuel tank and fuel system.

Noise Exhaust Emission Control System

The engine, intake and exhaust systems of the scooter are designed to comply with federal or local noise regulations. Do not modify the intake or exhaust system; this behavior will offend against the noise regulations.



WARNING

Do not adapt any original factory design and setting, which will deteriorate the sound or emission level.

MAINTENANCE RECORD

DATE	MILEAGE	SERVICE PERFORMED&NOTES

MAINTENANCE RECORD

DATE	MILEAGE	SERVICE PERFORMED&NOTES

Skytown 125 SPECIFICATIONS

Dimensions

Overall length	1940 mm
Overall width	750 mm
Overall height	1340mm
Wheel base.....	1320 mm
Seat height	770 mm
Dry weight.....	126 kg

Capacities

Engine oil (exchange).....	0.8 L
Transmission oil (exchange).....	0.11L
Fuel tank	7.0 L
Maximum weight capacity	276kg

Engine

Type	Four-stroke, air-cooled OHC
Displacement.....	125 cc
Bore and stroke.....	52.4 X 57.8 mm
Compression ratio	11.0:1
Spark plug	LR7D
Idle speed	1600 RPM
Cooling system	Forced Air
Max Horsepower.....	8.2kW/8500rpm
Max Torque.....	10.6Nm/6500rpm
Starting system	Electric starter motor

Chassis

Tire size, front.....	110/70-14
Tire size, rear.....	130/70-13
Brake (front)	DISK(CBS)
Brake (rear)	DISK(CBS)

Electrical

Ignition type	ECU
Battery	12v 7Ah
Headlight	13.5v27w(H)/11w(L)
Tail light	12v2.4w
Brake light	12v 4.8w
Turn signal light	12v10w
License plate light.....	12V 5w
Position light.....	12v 3.6w
Fuses	15A*2, 10A*1, 5A*2

Skytown 150 SPECIFICATIONS

Dimensions

Overall length	1940 mm
Overall width	750 mm
Overall height	1110mm
Wheel base.....	1320 mm
Seat height	770 mm
Dry weight.....	126 kg

Capacities

Engine oil (exchange).....	0.8 L
Transmission oil (exchange).....	0.11L
Fuel tank	7.0 L
Maximum weight capacity	280kg

Engine

Type	Four-stroke, air-cooled OHC
Displacement.....	150 cc
Bore and stroke.....	57.4 X 57.8 mm
Compression ratio	11.0:1
Spark plug	LR7D
Idle speed	1700 RPM
Cooling system	Forced Air
Max Horsepower.....	8.5kW/7500rpm
Max Torque.....	11.9Nm/6500rpm
Starting system	Electric starter motor

Chassis

Tire size, front.....	110/70-14
Tire size, rear.....	130/70-13
Brake (front)	DISK(ABS)
Brake (rear)	DISK(ABS)

Electrical

Ignition type	ECU
Battery	12v 7Ah
Headlight	13.5v27w(H)/11w(L)
Tail light	12v2.4w
Brake light	12v 4.8w
Turn signal light	12v10w
License plate light.....	12V 5w
Position light.....	12v 3.6w
Fuses	25A*1 15A*2 10A*2 5A*2

TAVOLA DI MANUTENZIONE



SKYTOWN 125

Specifiche		A primi 300 km	TIPO A ogni 4000 km	TIPO B ogni 8000 km	Ispezioni pre-guida
olio motore controllo		•	Controllare ogni 500 km		•
olio motore sostituzione	0,8L (**)	S	S	S	
Filtro olio a reticella		•	•	•	
Candela	NGK LRD7			S	
Iniezione elettronica				•	
Cavo acceleratore		•	•	•	•
Filtro aria*			•	S	
Gioco valvole	Asp 0,1 mm Sc. 0,1mm			•	
Cinghia trasmissione			•	S(20)	
Rulli centrifughi			•	•	
Frizione			•	•	
olio trasmissione	0,11L	S	•	S	
Fluido freni	DOT 4 (**)	•	Sostituire ogni 2 anni		•
Freni		•	•	•	•
Viti e dadi		•	•	•	
Cuscinetti di sterzo		•	•	•	•
Pneumatici		•	•	•	•
Batteria	12 V 7 Ah		•	•	

(•) Controllo. Inclusa anche pulizia, registrazione, riparazione o sostituzione (S) Sostituzione, (S20 Sostituire ogni 20000 km)

(*) Sostituire più spesso se il veicolo viene utilizzato su strade polverose

(**) Per le specifiche complete fare riferimento al manuale di Uso e Manutenzione

In caso di dubbio contattare un punto di assistenza **KYMCO** appena possibile