⚠ 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 AGILITY300. 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.

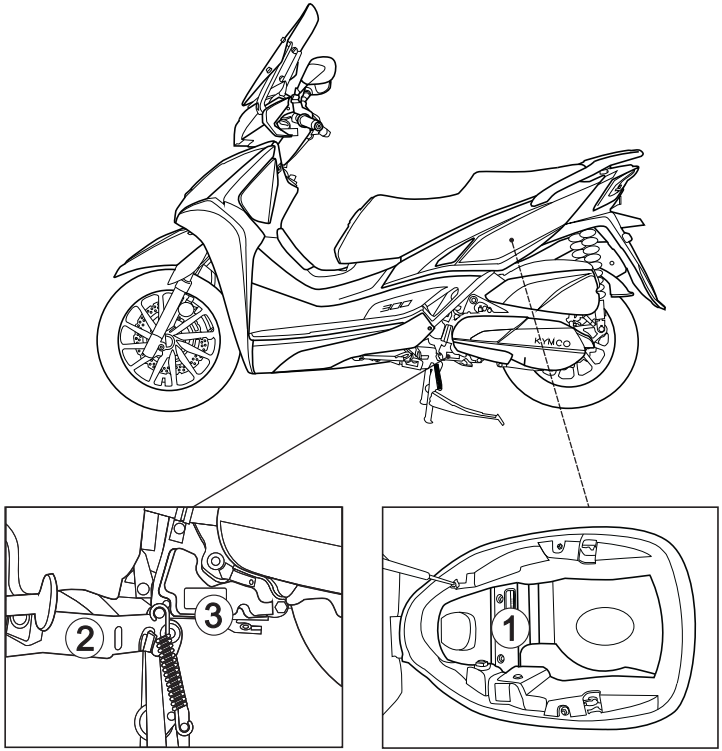
■NOTE: The NOTE indicates the additional important information.

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.



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SECTION 1 -
FORWARD & SAFETY INTRODUCTION

Thanks for purchasing this KYMCO **AGILITY300**, 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

④ Bright 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:

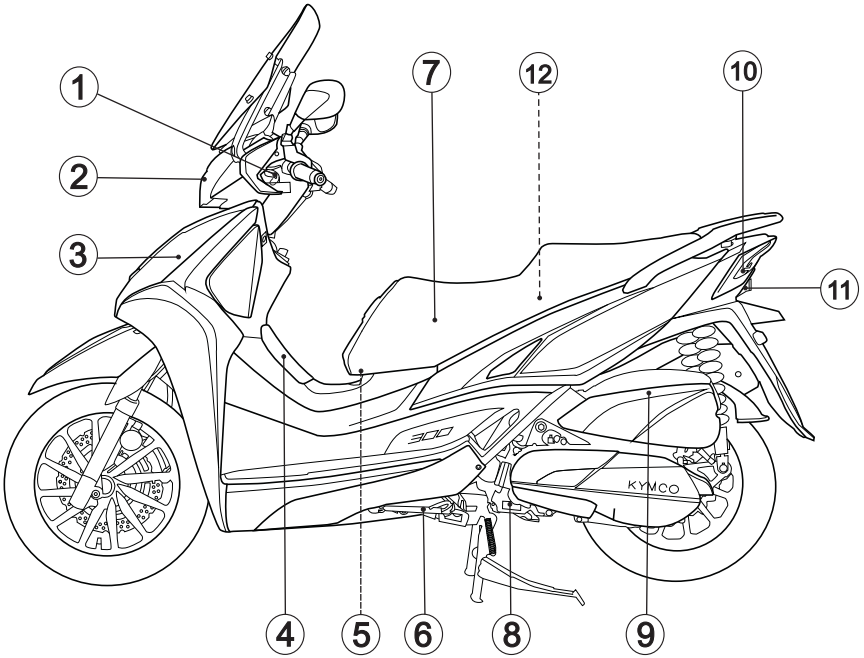
KYMCO strongly advises against removing any original equipment or modifying the vehicle in any way that will change its design or operation.

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



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

LOCATION OF PARTS & CONTROLS

13 Reflector

14 Right Turn Signal Light

15 Muffler

16 Oil Filler Cap/dipstick

17 Center Stand

18 Rear Passenger Foot Peg

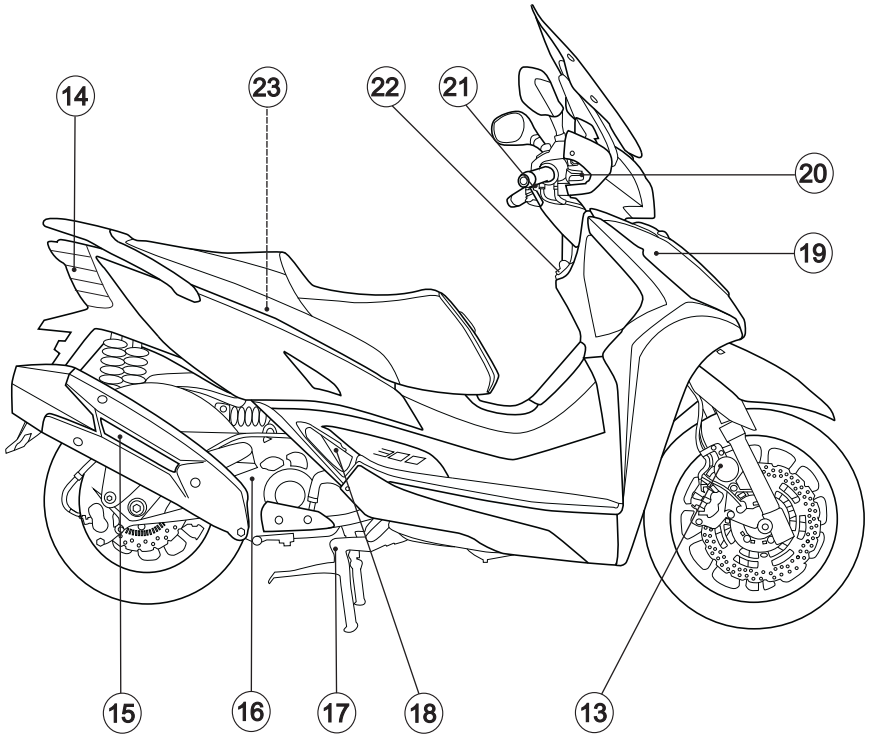
19 Right Turn Signal Light

20 Front Brake Lever

21 Electric Starter Button

22 Ignition Switch

23 Vehicle Identification Number (VIN)



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

LOCATION OF PARTS & CONTROLS

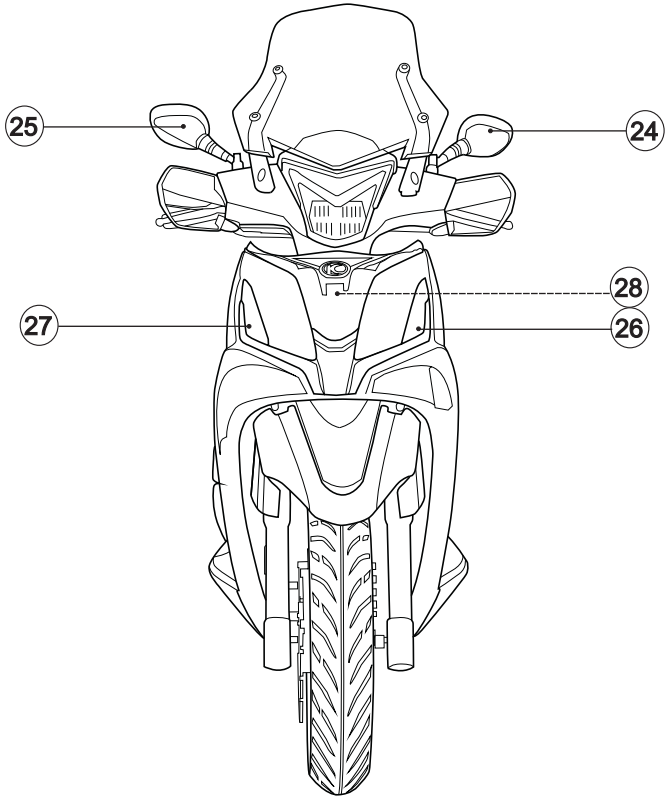
㉔ Right Rearview mirror

㉕ Left Rearview mirror

㉖ Right Turn Signal Light

㉗ Left Turn Signal Light

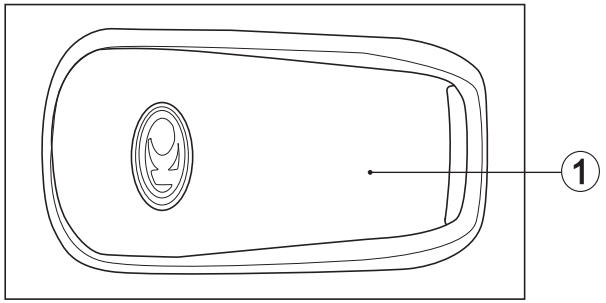
㉘ Battery



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

SECTION 2 -CONTROLS & FEATURES

KEYLESS Remote Control

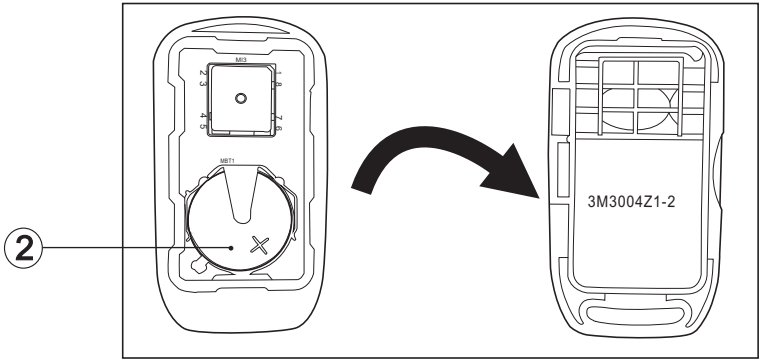


1: KEYLESS Remote Control
KEYLESS is a high-tech electronic master switch that requires no key (see Figure above).
Each vehicle is provided with two Remote Controls .

In case the Remote Control is lost, the KEYLESS Main Switch will be unable to be activated.

NOTE: Customers must take special care of the safe storage of their remote controls.

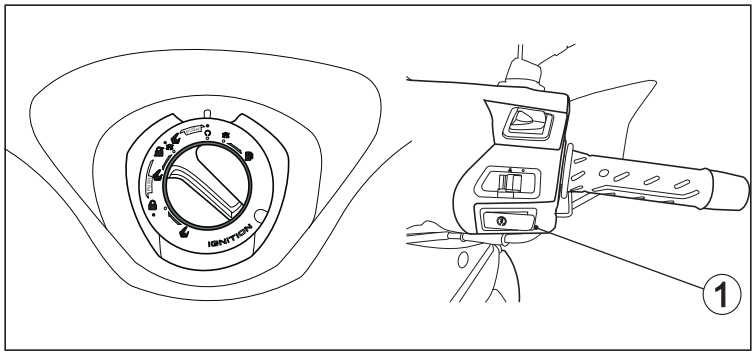
Replacing battery of Remote Control



2: Battery of Remote Control
Battery Model for Remote Control: CR2032

SECTION 2 - CONTROLS&FEATURES

Control Functions of Mechanism



Unlock mode, backlight of the Main Switch lights up in blue constantly; you can turn the Main Switch to power on /open the fuel tank outer cover /steering stem lock.

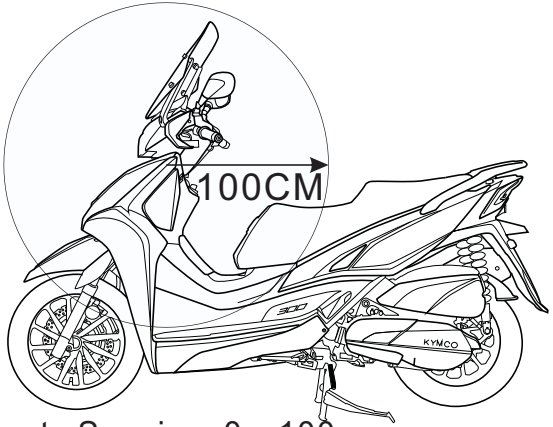
Lock mode, backlight of the Main Switch lights up in red, and the red light will go off, the buzzer will make a long beep ,now the KEYLESS switch is unable to spin.

Lock/Unlock is operated by pushing the starter button (1) for 1 second. If the backlight is not on/off normally, immediately go to a KYMCO dealer for check up.

- Steering Stem is locked at this position
- All the power of the vehicle is cut off at this position. (Engine stops)
- All the power of the vehicle is ON at this position. (Starting the engine is allowed.)
- PUSH Indicates a Push-down is required for the action.
- Indicates to open the seat pad.
- Indicates to open the Fuel Tank Outer Cover.
- Indicates the position of a segment.

SECTION 2 - CONTROLS&FEATURES

KEYLESS Sensing Distance

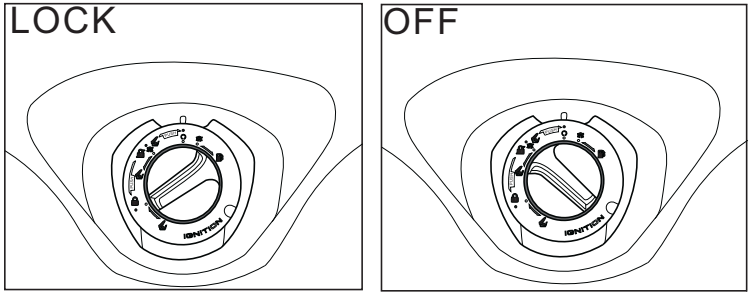


Remote Sensing: 0 ~ 100cm
Short-range Sensing: 0cm

⚠ WARNING

- The optimum sensor range is 100cm which may vary with ambient conditions.
- Please lock the steering rod, close the KEYLESS system, and carry the remote controller with you before leaving your scooter.

KEYLESS Main Switch



KEYLESS Controller Theft Prevention Setting –

Remote Sensing(Locking)

1. When parking the vehicle and ready to leave, the user turn KEYLESS Main Switch from ON to OFF or LOCK the backlight is still blue, push the starter button for 1 second, the backlight will turn red and the red light will go off, the buzzer will make a long beep, lock completed and the main switch is unable to spin.
2. When the power of Remote Control is weak or the surrounding is obstructive , Locking can not be triggered. You can lock the main switch by Short-range Sensing.

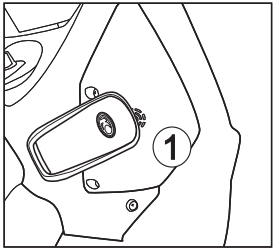
CONTROLS & FEATURES

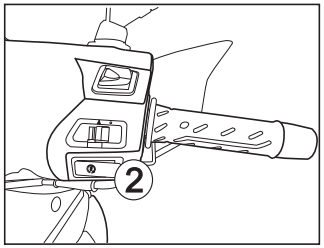
KEYLESS CONTROLLER Theft Prevention Setting – Remote Sensing (Unlock)

1. Press the starter button for 1 second, and the decorative cap of the Main Switch will light up in blue, accompanied with 2 short beeps. Turn the knob to ON, now the engine is allowed to start. Blue light on constantly.
2. When the power of Remote Control is weak or the surrounding is obstructive ,unlocking cannot be triggered, you may use short-range sensing by putting the Remote Control against the circular mark on the Front Inner Box ,and operate just like the remote mode.

⚠ CAUTION

- Lock/unlock can only be triggered on or
- It is strongly recommended that the user use Remote Sensing (Locking) mode to activate the Theft Prevention function.
- In case the KEYLESS main switch failed to operate in remote mode, try replacing battery of the remote controller with a new one or use short range sensing to unlock you scooter.





① Short Range Sensor
② Starter Button

Short range Sensing (Locking/Unlock)

When the power of the Remote Control is weak or the surroundings are obstructive, Locking cannot be triggered. Put the Remote Control against the circular mark ① on the Front Inner Box 。

Operate just like Remote Sensing

CONTROLS & FEATURES

⚠ CAUTION

• In LOCK/OFF position, if user does not lock the vehicle, backlight will be blue and the keyless system is in unlock mode. When user is 2 meters away, the system will lock automatically. The backlight will turn red and go off, the buzzer will make a long beep. It is strongly recommended the user lock the system manually.

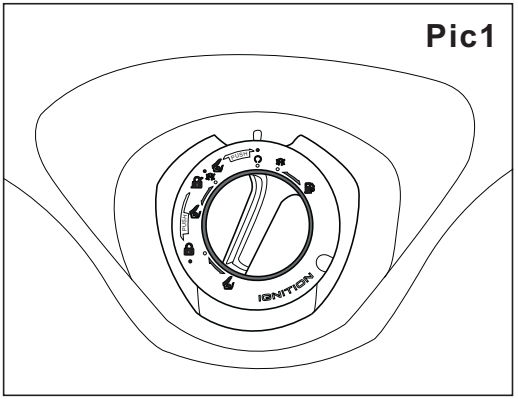
• ON → OFF (Pic 1) Power off, but the keyless system is still in unlock mode, the backlight is still blue. Turn the knob to you can still start the vehicle.

• ON → OFF , turn the knob to ,the fuel tank outer cap will open (Pic 2).

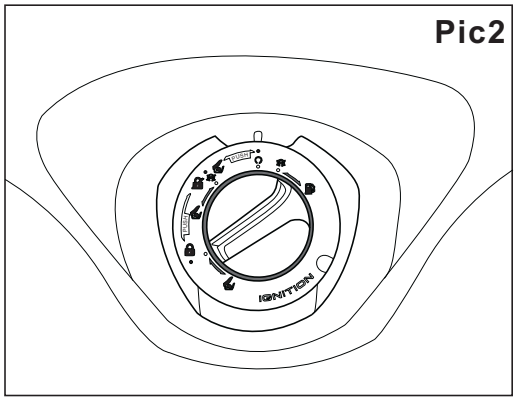
⚠ WARNING

Durning riding, never turn the knob to or to prevent accident.

Pic1



Pic2



CONTROLS & FEATURES

Steering Stem Lock

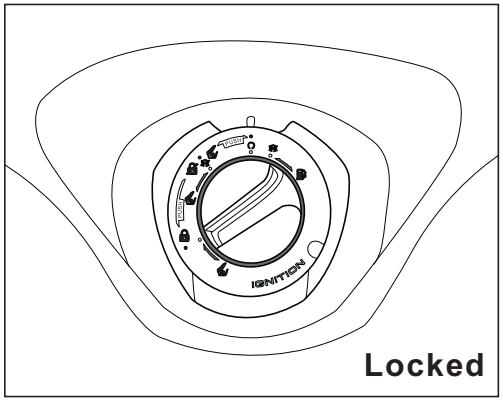
For theft prevention, lock the steering stem when parking your scooter.

Locking Method:

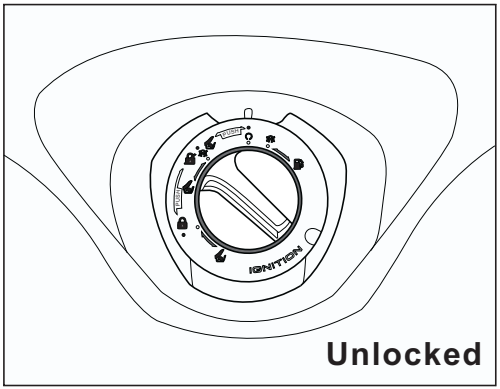
Turn the Steering Stem to the left, then press the Main Switch inward and turn it to the left to 🔒 position ,lock KEYLESS.

Unlocking Method:

Press the Main Switch inward and turn it from ⌒ position to the right to ⊘ , the lock is unlocked.



Locked



Unlocked

⚠ CAUTION

- After locking the steering stem, turn the steering stem to make sure it is locked.

CONTROLS & FEATURES

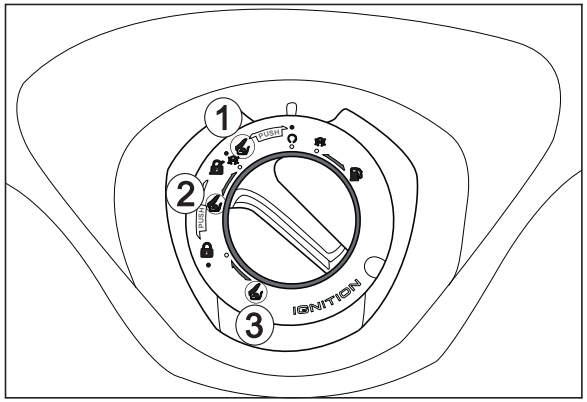
Luggage Box Operation

Open

1.Engine on and the knob in , press the knob inward and turn the knob to ,the luggage box will open.

2.Engine off and knob in ,turn the knob to ,the luggage box will open

3. The knob in , turn the knob to ,the luggage box will open.



Lock

1. Close the seat pad ,and press the rear end downward, the luggage box will be locked.

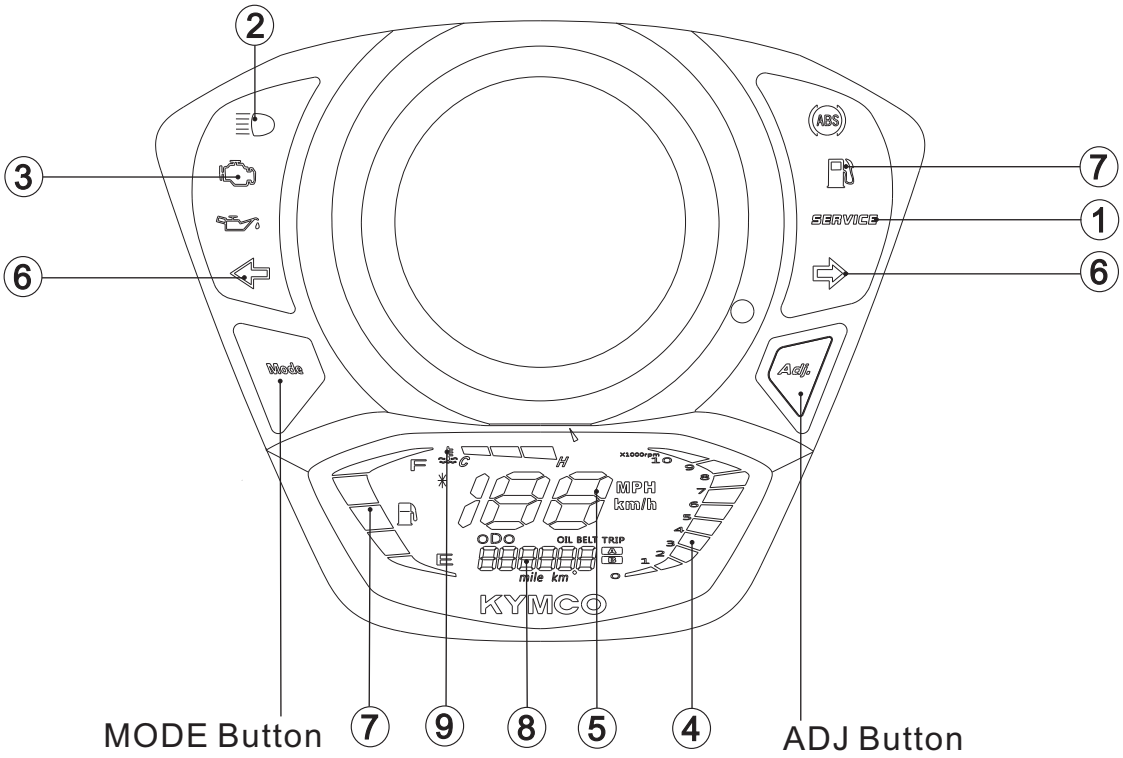
2. Lift the seat pad to make sure it is locked.

⚠ CAUTION

- Do not park your scooter at locations where traffic safety may be obstructed.
- The location (such as back pocket, back-bag, etc.) where you put your Remote Control may affect the KEYLESS system.
- Removing the Remote Control will disable the vehicle for start-up.
- When KEYLESS system is locked, thknob is unable to spin, turn the knob to make sure it is locked.
- Avoid placing the Remote Control at a moist or high temperature location.
- When the battery of the Remote Control is weak, the sensing distance will be affected.
- If you need to change the battery of the Remote Control, go to a KYMCO dealer.
- Don't put valuables in the luggage box
- The seat pad will not bounce. automatically, the hydraumatic rod is for support only.
- To lock the luggage box, it is easier to press the rear end of seat pad.

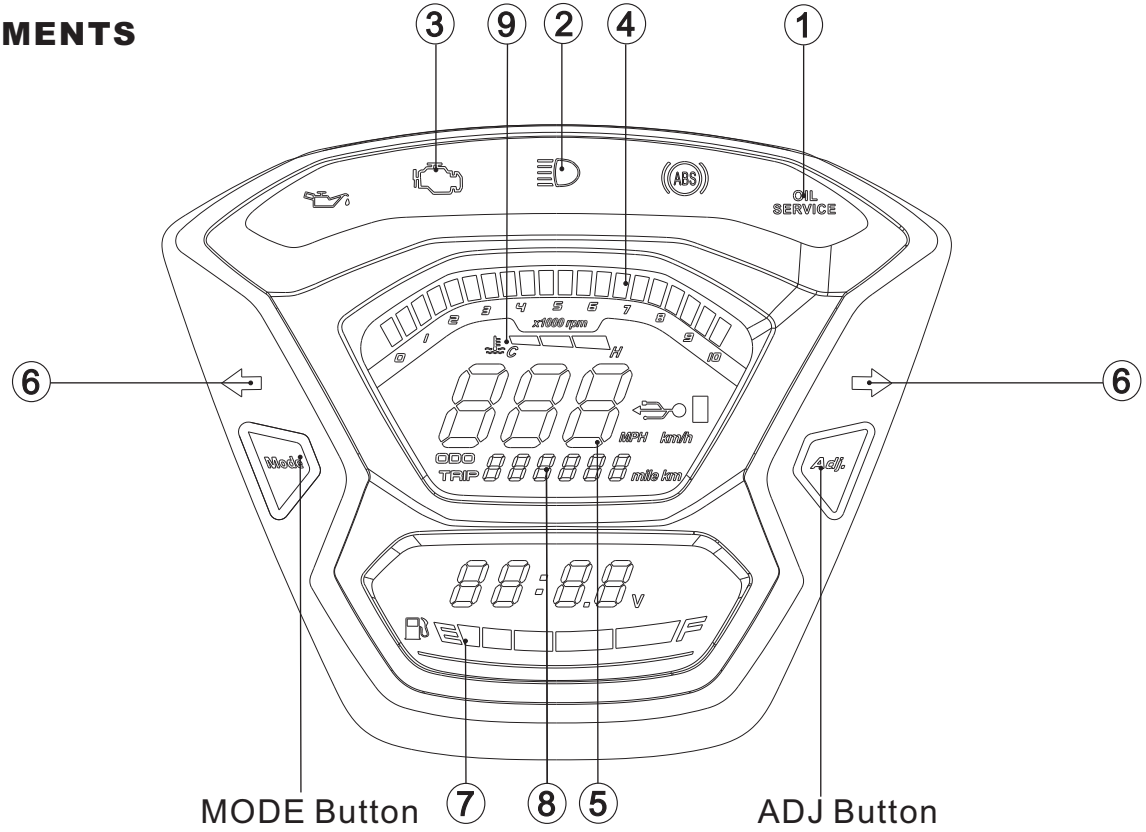
CONTROLS & FEATURES

INSTRUMENTS(noodoe model)



CONTROLS & FEATURES

INSTRUMENTS



CONTROLS & FEATURES

① Service indicator: It lights up every 3000km to remind you to do oil service. Whenever the ignition switch is turned on, it goes on then off after self-diagnose.

② High Beam Indicator Light: This light is illuminated when the high beam is on.

③ 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 CLEP indicator will always illuminate. After starting it will be off.

④ Tachometer: Indicates the engine revolution speed in RPM.

⑤ Speedometer: Indicates the road speed in km/h or mph.

⑥ Turn Signal Indicator Light: Flashes when either turn signal is being used.

⑦ 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.

⑧ Odometer/Oil/Belt/ Trip meter:
Press MODE button to toggle between ODO mode, Trip mode ,oil mode and Belt mode. Choose Belt, Trip or oil service mode, hold both MODE and ADJ for 2 seconds to reset.
Press ADJ to switch between km display and mile display.

⑨ Water Thermometer: If water temperature reaches H (High-temp Position) when vehicle is running, it means water temperature is abnormal. Pull over and park your scooter safely, wait until the cooling water gets cooler before adding coolant and restart your engine. Go to the KYMCO dealer nearest to you for inspection and maintenance. Please note that riding your scooter with the water temperature at a high level may lead to engine failure.

CONTROLS & FEATURES

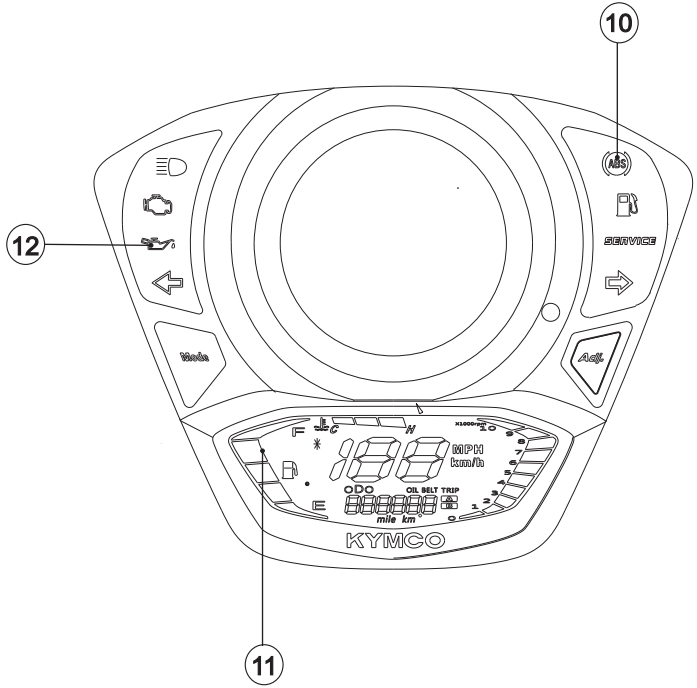
⑩ ABS indicator: It lights up when the ignition switch is turned on and will turn off after the vehicle starts moving. It will stay off as long as the ABS system works normally.

⑪ Fuel Gauge: This gauge indicates the amount of gasoline in the fuel tank. When the needle approaches “E” this indicates the tank is near empty and should be refilled .

⑫ Oil Pressure Warning Indicator:

- The Oil Pressure Warning Indicator lights up when KEYLESS Main Switch is activated.
- Oil Pressure Warning Indicator will go off when the engine is started.

NOTE: The Oil Pressure Warning Indicator will light up if the oil pressure is lower than normal action when the engine rotates. This denotes a system anomaly; you need to go to a KYMCO dealer for a check-up.



CONTROLS & FEATURES

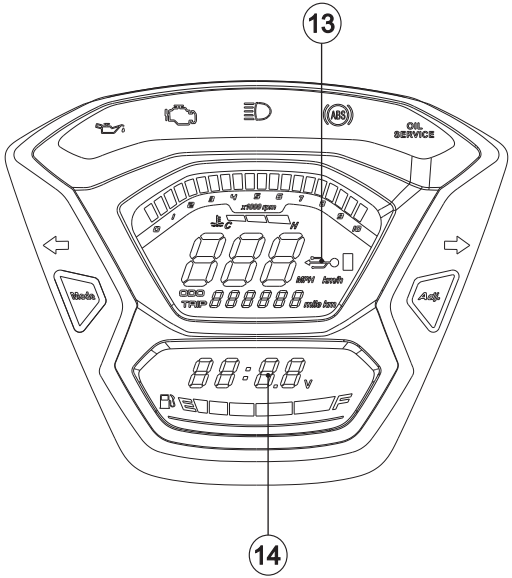
⑬ USB Charging Meter**:** Plug electronic device in, the indicator will be ON when it is charging, it will be OFF when it is not charging. It will flash when the battery voltage is too low. The circuit will be cut off if the electric current is over-load to protect your device.

⑭ Battery Voltage and Digital Clock

Adjust clock

1. Turn the ignition switch to the ON position.
2. Push the MODE button to toggle between ODO , trip and oil service and choose ODO mode.
3. Push both MODE and ADJ for more than 2 seconds. The “hour” digits will begin flashing, you can adjust it by pressing ADJ button.
4. Push the MODE button, the minute digits will begin flashing, you can adjust it by pressing ADJ button.
5. Push both the MODE and ADJ 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.

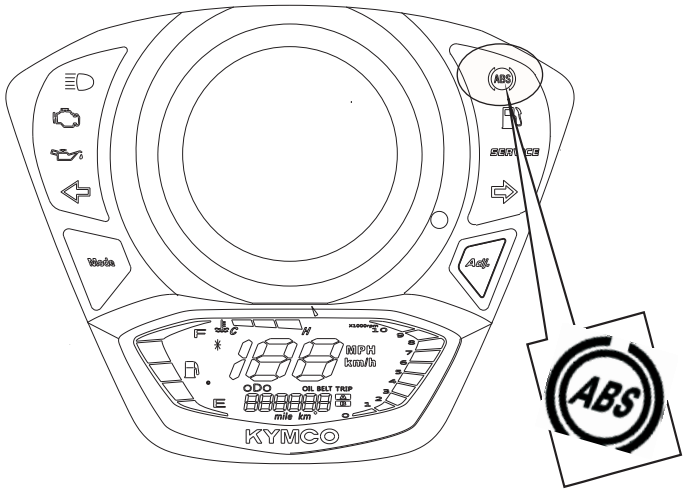
NOTE: The clock will be reset to 12:00 when the battery is disconnected.

CONTROLS & FEATURES

ABS indicator light (For ABS model)

The ABS indicator light is located on the right side of the multifunction meter. This ABS system will self-diagnose itself, if it's normal, the indicator light will come on when the ignition switch is turned on and goes off shortly after the vehicle starts moving. The ABS indicator light will stay off as long as the ABS system works normally.

If an ABS fault is detected by the ABS ECU, the ABS indicator will light on and stay on until the fault is resolved. Even there's an ABS system failure, the system will work normally in conventional braking condition just like a vehicle without ABS system.



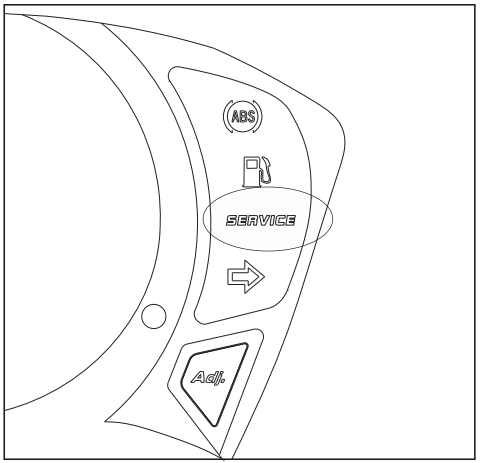
NOTE: If the ABS indicates a fault, it's very important to make the authorized KYMCO dealer to check the ABS system immediately

CONTROLS & FEATURES

Service Indicator Reset(noodoe model):

After you change the engine oil or Belt, you need to reset the Service Indicator.

1. Push MODE button, the multifunction display will change (ODO→Trip→Oil →Belt) repeatedly in sequence.
2. Choose Oil service mode or Belt press MODE button and ADJ button at the same time for 2 seconds and the display will turn to 0.0,the service indicator is reset.
3. The service indicator will be on again when you reach next 3000km (oil service) or 20000km(Belt service).



Service Indicator Reset:

After you change the engine oil , you need to reset the Service Indicator.

1. Push MODE button, the multifunction display will change ODO→Trip→Empty display (Service Mode) repeatedly in sequence.
2. Choose Oil service mode press MODE button and ADJ button at the same time for 2 seconds and the display will turn to 0.0,the service indicator is reset.

■ **NOTE:** When the Service indicator is on, the ODO/Trip and mileage number will flash.

CONTROLS & FEATURES

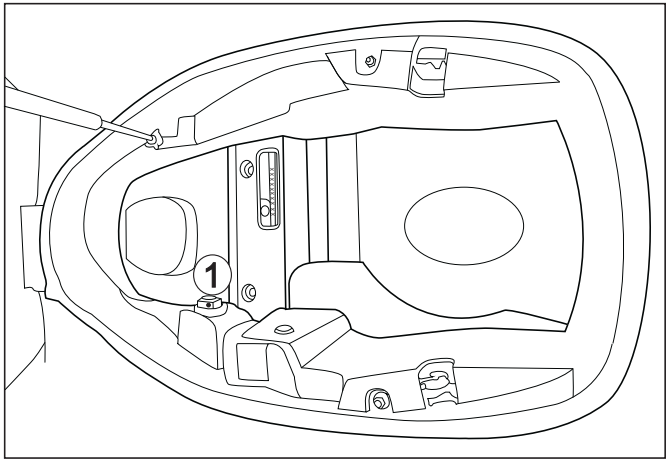
Components inside the Luggage Box:

1.USB Power Socket

This vehicle is provided with a USB Power Socket. Your may connect a low power consumption product to the Socket, for charging the product while the engine is running.

Output: DC 5V 2A

Maximum output current: 2A



⚠ CAUTION

- USB Power Socket can only be used with a running engine.
- To prevent power depletion of battery, do not charge a product using the USB Power Socket without running the engine.
- To prevent fuse from being blown, do not charge a product with a load exceeding 10W; 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

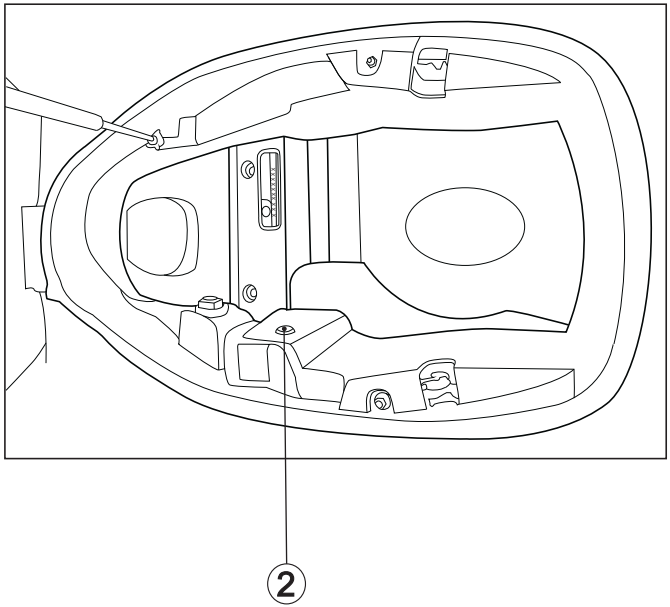
- To avoid electrocution or short-circuit, make sure to cover-up the protection cap after using the USB Power Socket.
- To prevent any accident from occurring, park your Scooter at a safe location before using the USB Power Socket.

CONTROLS & FEATURES

Components inside the Luggage Box:

2. LED Light of Luggage Box

The lamp lights up when Seat Pad is lifted up, goes out when closed.



⚠ CAUTION

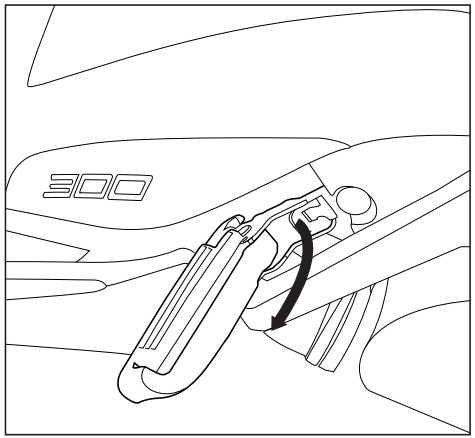
- The Luggage Box Light is provided with light-sensing switch; in case the user forgets to close the Seat Pad or the Seat fails to fully close up, system will cut the power automatically after a set time, preventing any power loss of battery.
- LED Light of Luggage Box, with Light Sensing Switch.

CONTROLS & FEATURES

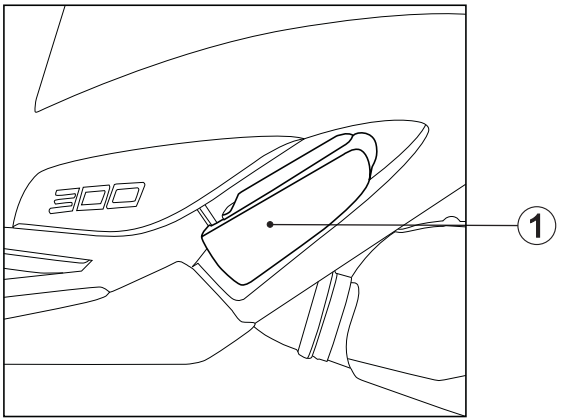
Passenger foot pegs

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 .



2.When you are not carrying a passenger, press the pegs back into place (1) .



CONTROLS & FEATURES

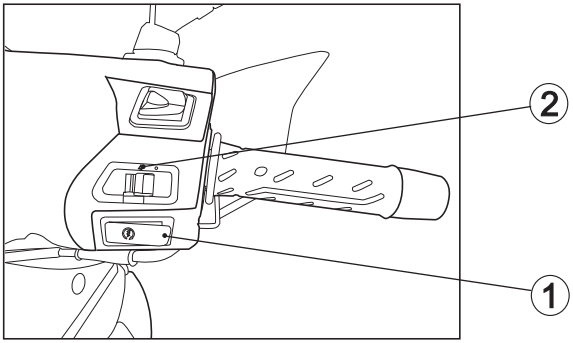
Right handlebar switch

Starter button: ①

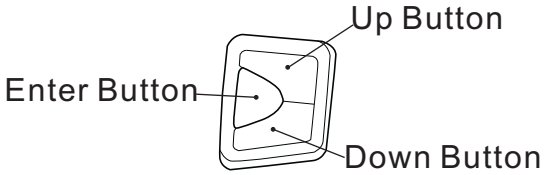
Press starter button " " and pull brake lever in the meantime to actuate the starter motor.

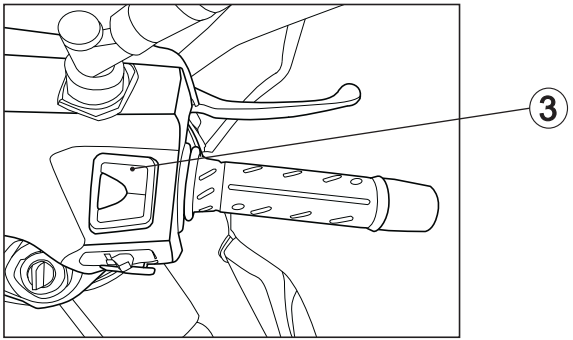
Hazard switch ②

Switch button to " △ ", all the turn signals and turn signal indicator will blink to warn other drivers.



Noodoe Button(noodoe model) ③





NOTE: See Noodoe Manual for Noodoe Operation

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 :

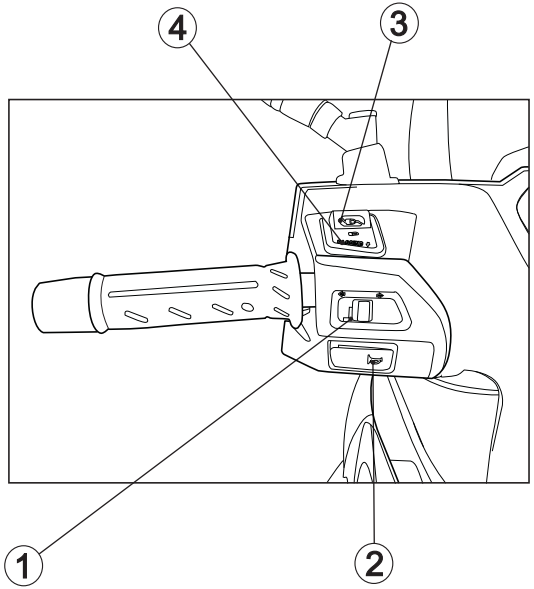
Switch to select the light with high or low beam.

" ≡D " for low beam.

" ≡D " 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.



CONTROLS & FEATURES

Fuel level inspection / Refilling

If the low fuel indicator blinks, quickly refill the fuel tank with the specified unleaded gasoline.

Fuel tank filler:

To refuel, do the following:

1.Unlock KEYLESS .

2.Turn main Switch to the OFF position,

3.Turn the knob clockwise to the end to release the Fuel Tank Decorative Cover.

4.Open the Fuel Tank Cap upwards and rotate it to the right to open it.

To install the fuel cap, do the following:

Turn the Fuel Tank Cap back, make sure the Fuel Tank Cap is in position before pressing the Fuel Tank Outer Cover back; ensure that Fuel Tank Outer Cover is fully engaged.

Fuel recommendation

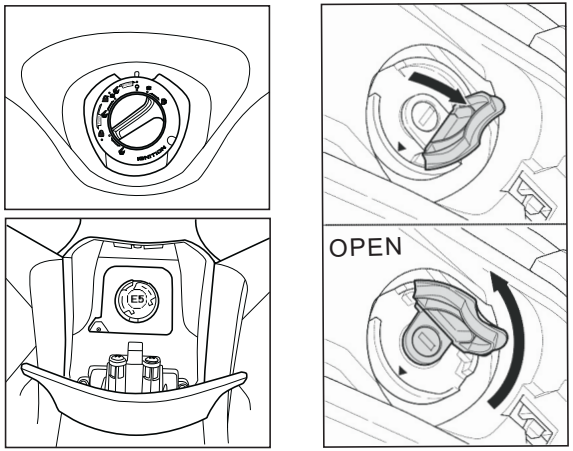
In order to prevent fire risks caused by fuel overflow from the Fuel Inlet, make sure the Fuel Tank Cap is fully locked after refueling.

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

Seat

Open Luggage Box

Unlock KEYLESS and turn Main Switch counter- clockwise to " " position to open the Luggage Box.

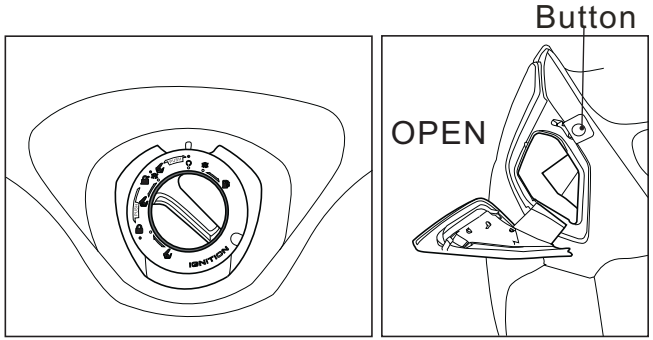
Front Inner Box

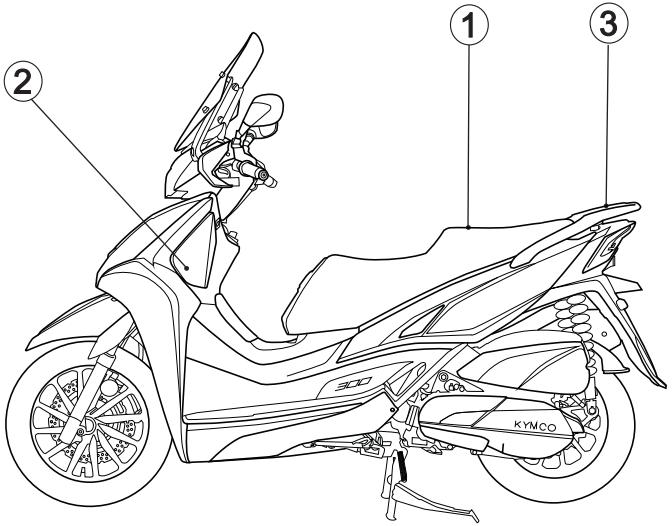
Open the Front Inner Box.

Press down the Front Inner Box push button and pull the cover downward to open it.

Close up the Front Inner Box

Pushing the cover back to its original position will close it up.





Maximum cargo weight:

① REAR LUGGAGE BOX.....10KG

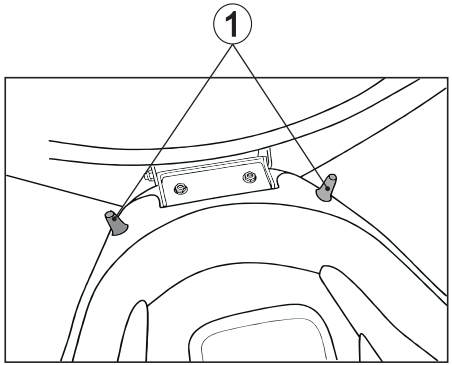
② FRONT INNER BOX 1.5KG

③ REAR CARRIER 5KG

CONTROLS & FEATURES

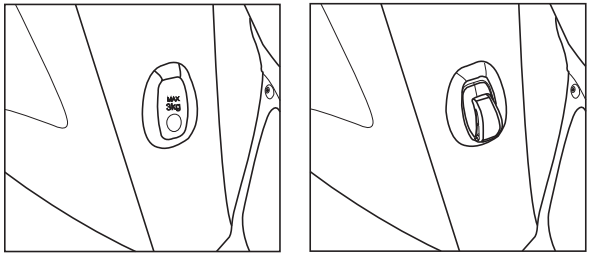
Helmet Holder

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



HOOK

If you need to use the front hook, press button the hidden hook will come out.



⚠ WARNING

Use the helmet holder only on parking.

Do not ride with a helmet hanged on the holder.

Maximum cargo weight:

HOOK FRONT.....3KG

CONTROLS & FEATURES

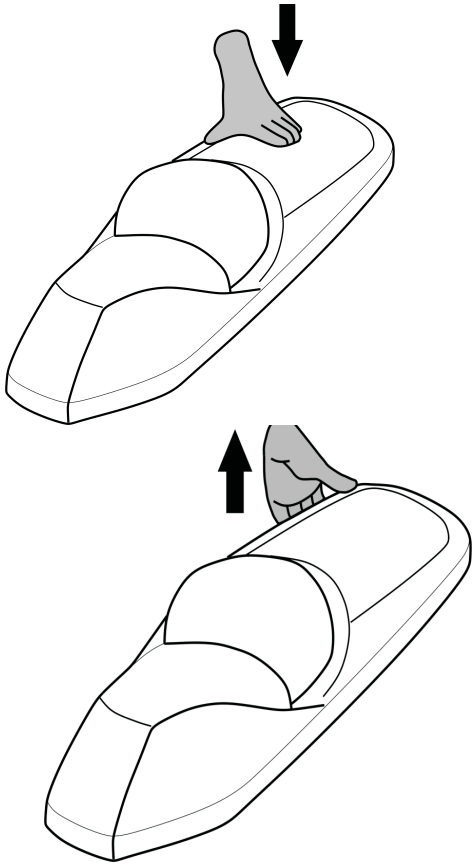
Seat

To unlock the seat

Lower and push down the seat securely on the right side where a lift rod supported and above the lock hook.

NOTE: It's no good to push down on the rear end of the seat due to there are no the lock hooks beneath, therefore, the seat is possibly not locked securely that will make stolen more easily.

Before riding, pull the seat edge on the right side to make sure the seat is locked securely.



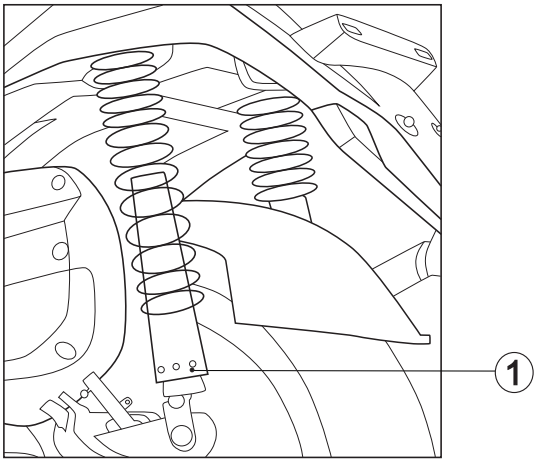
⚠ CAUTION

Do not put any objects may interfere the lock catch that might get caught while closing; it will lead to lock insecurely or fail to open.

CONTROLS & FEATURES

Suspension

Each shock absorber on your scooter has 5 spring preload adjustment positions for different load or riding conditions.
Use a fitting wrench to turn the adjuster's boss .(1)
Position 1 is for light loads and smooth road conditions.
Position 3 to 5 increase spring preload for a more stiff rear suspension and can be used under heavy loading.



☐ NOTE: Always adjust the shock absorber pre-load position in sequence (1-2-3-4-5 or 5-4-3-2-1).

Attempting to adjust directly from 1 to 5 or 5 to 1 may damage the shock absorber.

Standard spring preload position: 3

⚠ WARNING

Be certain to adjust both shock absorbers to the same spring preload positions.

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

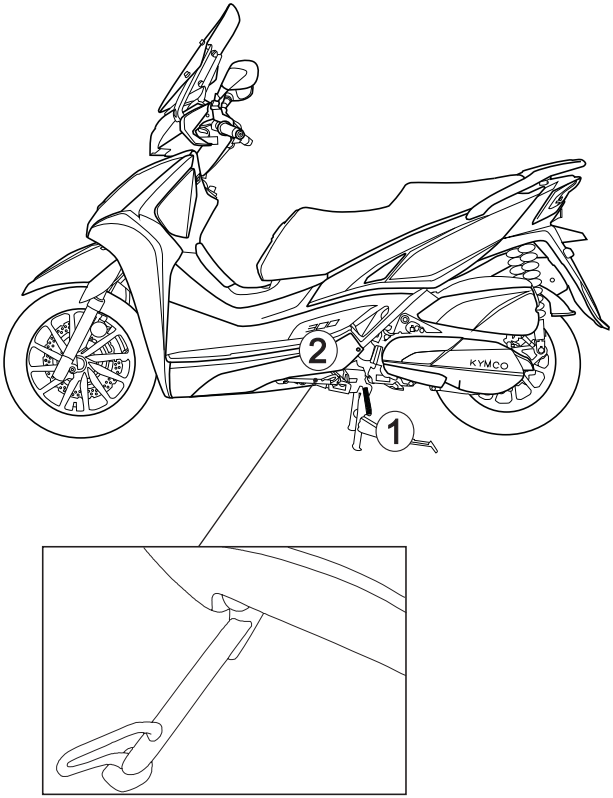
Side Stand

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.

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.

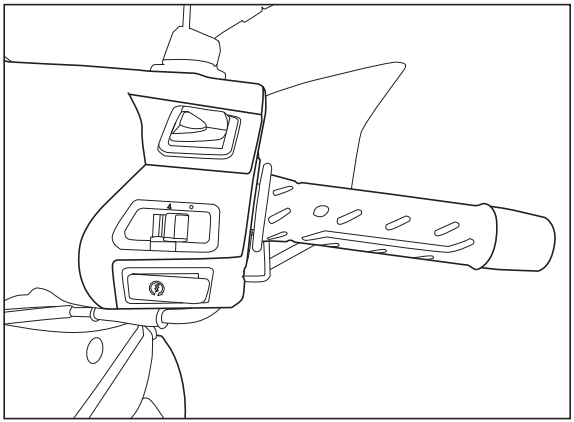
OPERATION

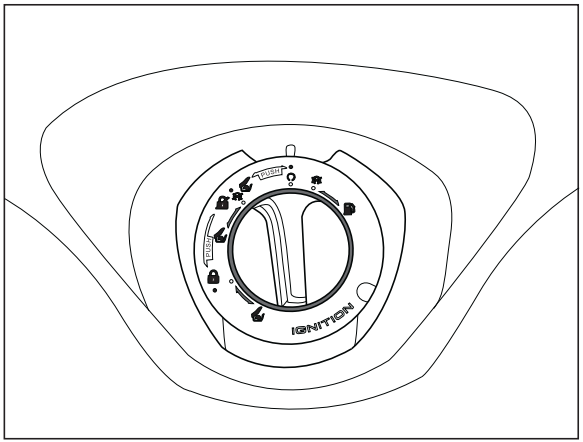
Starting the Engine

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

- Lift up Main Stand before starting the engine.
- Check oil and gasoline content before starting the engine.

1. Unlock KEYLESS
2. Turn Main Switch to ⏻ position.
3. Make sure the throttle grip is fully closed.
4. Make sure the Side Stand is retrieved.





⚠ CAUTION

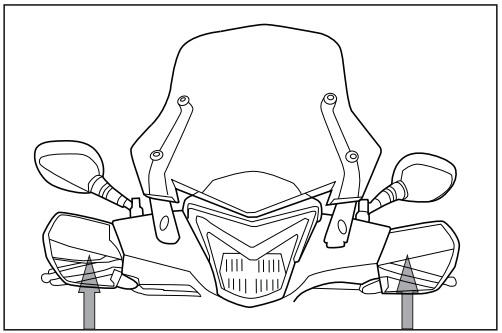
To prevent damage to the starter motor, do not operate the starter motor for more than 5 seconds at a time. If fail to start successfully, check the fuel level and the battery condition, and waiting for 15 seconds between each fail to start.

⚠ CAUTION

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

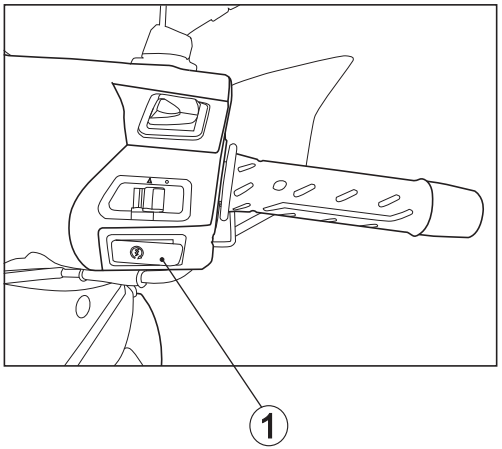
OPERATION

5. Squeeze the left (rear) brake lever to connect
6. Press the starter button (1) with the throttle closed, releases it at once as the engine starts.
7. Keep the throttle closed while warming up the engine.
8. Keep the engine warming up thoroughly before each ride.



NOTE: If starting is difficult, release the Start Button and wait for a few seconds before trying again. Each re-try shall not exceed 5 seconds, for preserving battery power

NOTE: Allow a brief warm-up after starting a cold engine (about 1-2 minutes), in mountains and cold areas, prolong the warm-up (about 3-5 minutes), for facilitating engine operation and a trouble-less riding.



⚠ 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.

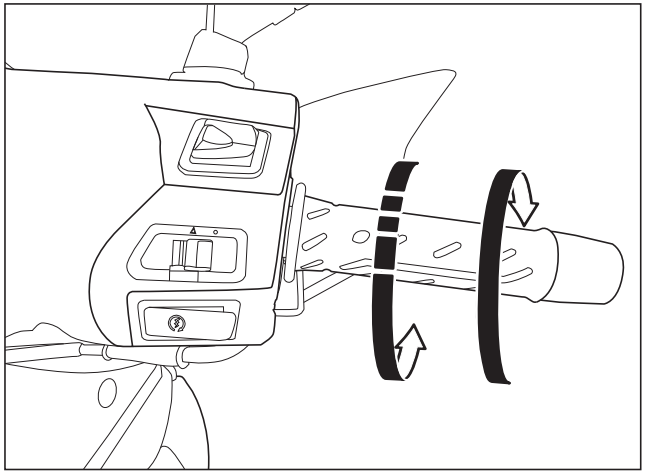
OPERATION

Proper Riding Method

1.Keep the Rear Brake Lever in braking state and push the vehicle forward, the Main Stand will spring up automatically.
2.Boarding from the left side, sit upright; keep left foot standing on the ground to prevent toppling; adjust the Back Mirror to a proper angle.
3.Release Front and Rear Brake Levers.
4.Turn the Throttle Grip to adjust scooter speed.
Speed is controlled by adjusting the Throttle Grip.
Turn Speed increases.
Increase fuel (throttle) slowly
When taking off or riding on an up-slope, slowly turn the Throttle Grip to increase horsepower.
Return to original position
Speed decreases.
Be agile while returning the Throttle Grip

⚠ WARNING

After starting the engine, do not raise engine rpm while not advancing the vehicle, or danger may occur.



⚠ WARNING

- Before advancing, keep the Rear Brake Lever in braking state. DO NOT raise engine rpm arbitrarily.
- Do not turn the Throttle Grip rapidly, or the vehicle may dash out.

OPERATION

Proper Riding

Before taking off, switch on the winker, check traffic conditions both directions, slowly turn the Throttle Grip to start.

Do not brake or turn abruptly.

Abrupt braking and turning are the causes for the extremely dangerous side skidding or tumbling.

Take extra cautions when riding in rainy days

Road surfaces in rainy days are different from in fine days; braking distance will be longer, you should reduce your speed and take advanced actions for braking.

When running down-slope, return Throttle Grip to closed position and apply brake intermittently to slow down the speed.

⚠ CAUTION

To restart a tumbled vehicle with engine stopped, you need to turn the KEYLESS Main Switch off and on again before restarting.

Proper Parking Method

When approaching to a parking location:

- Switch on winker in advance and take heed of vehicles be- hind you while slowly pulling-over.
- Return Throttle Grip to original position and apply both front and rear brakes in advance; this will activate your Brake Light to alert vehicles behind you.

At full stop of vehicle

Turn off Winker Switch, set KEYLESS Main Switch to ⛒ position .

Parking the Vehicle

- Standing on the left side on a flat ground, the rider shall brace the Main Stand up.
- Brace the Main Stand up on a flat ground not impeding the traffic.
- Bracing up the Main Stand on an unlevel ground may result in tumbling of vehicle.

Hold the Handlebar with left hand and keep it straight, while treading down the Main Stand with right foot, grasp the Left Rear Grip beside the Seat Pad with right hand and pull upwards forcefully. For the purpose of theft prevention, lock up the Steering Stem and switch off KEYLESS when parking the vehicle.

OPERATION

ABS SYSTEM (For ABS model)

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.

Braking With ABS

Use steady, even braking application on the front and rear brake levers simultaneously.

Apply the brake levers with the same grip pressure as you would without ABS.

The system controls braking pressure automatically and independently at each wheel to prevent wheel lockup.

⚠ CAUTION

The ABS does not prevent from falling down while cornering into a slippery condition.

Limitations of ABS

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.

The ABS system only starts to work after applying the brake lever.

⚠ WARNING

ABS is not a substitute for safe driving. Even with ABS, you must remain alert, react appropriately and in a timely and defensive manner during the travel.

Don't take unnecessary risks.

Cautious driving practices, such as maintaining an adequate distance away from the vehicle ahead, not speeding, anticipating obstacles and adjusting your vehicle's speed for traffic, weather and road conditions, are essential for safe operation.

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

Maintenance schedule

Perform the pre-ride inspection at each scheduled maintenance period. This interval should be judged by odometer reading or by months, whichever comes first.

Maintenance schedule chart:

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY
C: CLEAN **R**: REPLACE **A**: ADJUST **L**: LUBRICATE D: DIAGNOSE T: TIGHTENING

The maintenance schedule on the following two pages specifies the maintenance required to keep the scooter in good running condition. Maintenance should be performed according to the design standards and specifications by the authorized KYMCO dealer.

* Be serviced by the KYMCO dealer, unless you have the proper tools, service data and are technically qualified.

** For safety reason, we recommend these items be serviced only by the KYMCO dealer. KYMCO recommends that the KYMCO dealer should take a road test after each maintenance service.

NOTES:

1. For higher odometer readings, repeat by the service interval illustrated here.
2. Service more frequently for long-term riding in unusually wet or dusty areas.
3. Service more frequently for long-term riding in rain or with full throttle.
4. Inspect every 5000 km (3000 mi) after replacement and replace every 10000 km (6000 mi).
5. Replace every 5000km (3000mi) or every 6 months. Replacement requires mechanical skill.
6. Replace every 2 years. Replacement requires mechanical skill.
7. Replace every 2000km(1200mi), Inspect every 1000km(600mi) ,Add engine oil if required.
8. Radiator and radiator protecting grid: Inspect and clean every 1000km,if riding in dusty /moisture area, inspect and clean more frequently.

MAINTENANCE

	ITEM / FREQUENCY	WHICHEVER COMES FIRST →	ODOMETER READING [NOTE1]							
		X 1000 km	1	3	6	9	12	15	18	REFER TO PAGE
		X 1000 mi	0.6	2	4	6	8	10	12	
		MONTH		3	6	9	12	15	18	
*	AIR CLEANER	NOTE 2		R	R	R	R	R	R	41
	SPARK PLUGS	NOTE 4			I		R		I	42
*	THROTTLE OPERATION			I	I	I	I	I	I	41
*	VALVE CLEARANCE		A				A			-
*	FUEL LINE						I			-
	CRANKCASE BREATHER	NOTE 3	C	C	C	C	C	C	C	52
	ENGINE OIL		R	R	R	R	R	R	R	36
*	ENGINE OIL SCREEN		C	C	C	R	C	C	R	-
*	ENGINE IDLE SPEED				I		I		I	-
	TRANSMISSION OIL	NOTE 5	R		R		R		R	40
	DRIVE BELT		Inspect every 5000km,replace every 20000km							
*	RADIATOR COOLANT	NOTE 8	Replace every 10000km or every year							39

MAINTENANCE

ITEM / FREQUENCY		WHICHEVER COMES FIRST →	ODOMETER READING [NOTE1]							
		X 1000 km	1	3	6	9	12	15	18	REFER TO PAGE
		X 1000 mi	0.6	2	4	6	8	10	12	
		MONTH		3	6	9	12	15	18	
* *	CLUTCH SHOE WEAR				I		I		I	-
	BRAKE FLUID	NOTE 6	Replace every 10000km or every year							43
	BRAKE PAD WEAR			I	I	I	I	I	I	44
	BRAKE SYSTEM			I	I	I	I	I	I	-
*	BRAKE LIGHT SWITCH			I	I	I	I	I	I	-
* *	STEERING BEARINGS			I	I	I	I	I	I	-
*	HEADLIGHT AIM			I	I	I	I	I	I	-
*	NUTS, BOLTS, FASTENERS			T	T	T	T	T	T	-
* *	WHEEL/TIRES			I	I	I	I	I	I	49
*	CVT FILTER				C		C		C	
* *	INJECTOR			D	D	C	D	D	C	
	ENGING LIMIT LEVER RUBBER GASKET		Inspection every 10000km Replacement every 30000km							

MAINTENANCE

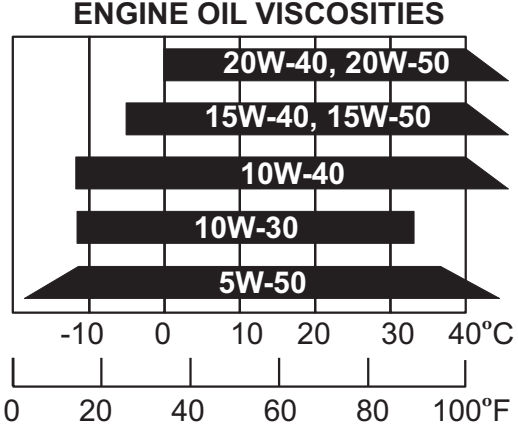
Engine oil

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 5W-50

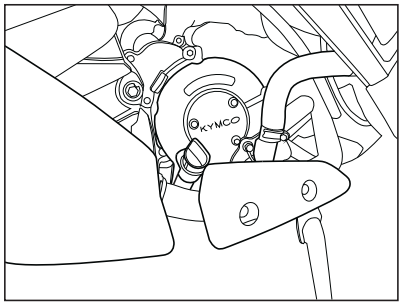
If these viscosities are not available, select an alternative engine oil according to the chart shown below.

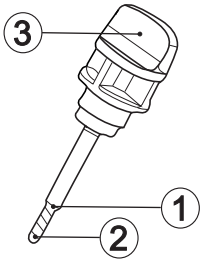


Full capacity: 1.1L
Exchange capacity: 0.9L

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) .



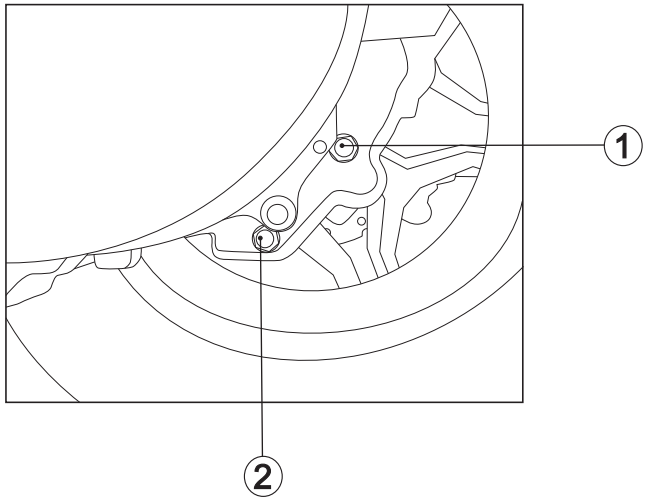


⚠ CAUTION

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.

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: 0.23 L

Exchange capacity: 0.18L

⚠ 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 gear set.

⚠ CAUTION

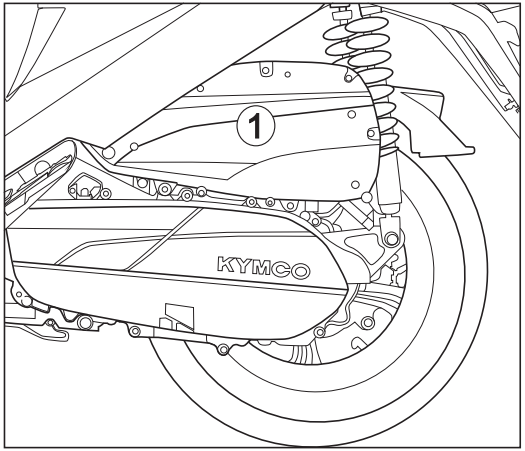
Must follow the local regulation and obey the related prohibition about the disposal of oil.

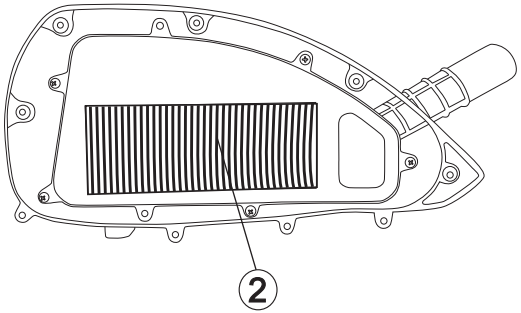
MAINTENANCE

Air cleaner filter element

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

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





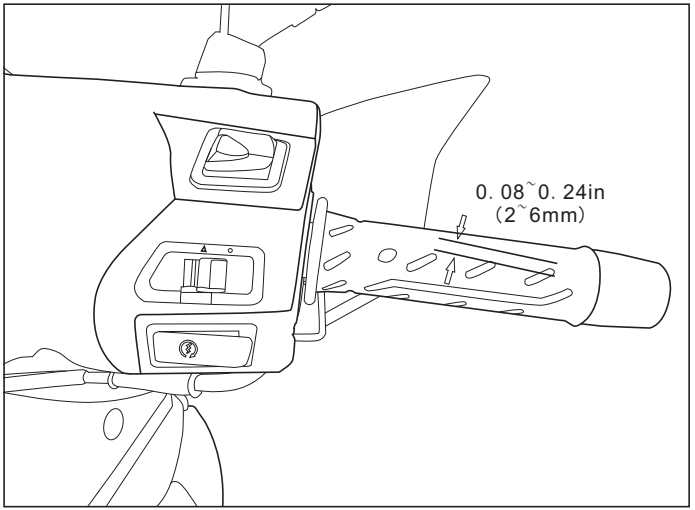
■**NOTE:** Have the element serviced more often when riding in unusually wet or dusty areas.

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

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 you KYMCO dealer for service.

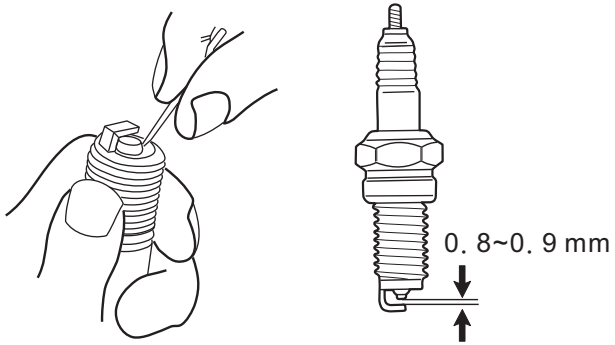
MAINTENANCE

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 : DPR6EA-9



Spark plug gap: 0. 8~0. 9 mm

⚠ 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.

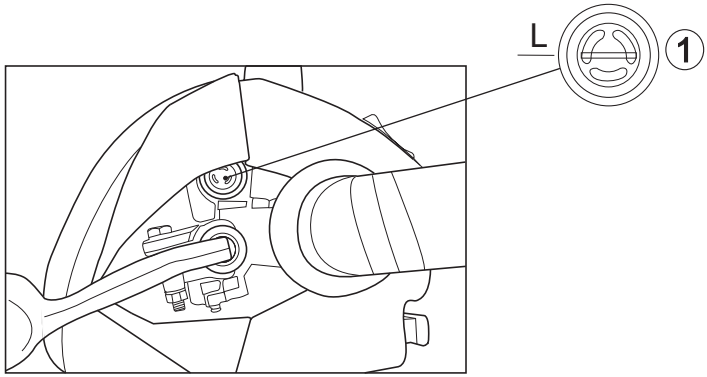
MAINTENANCE

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.

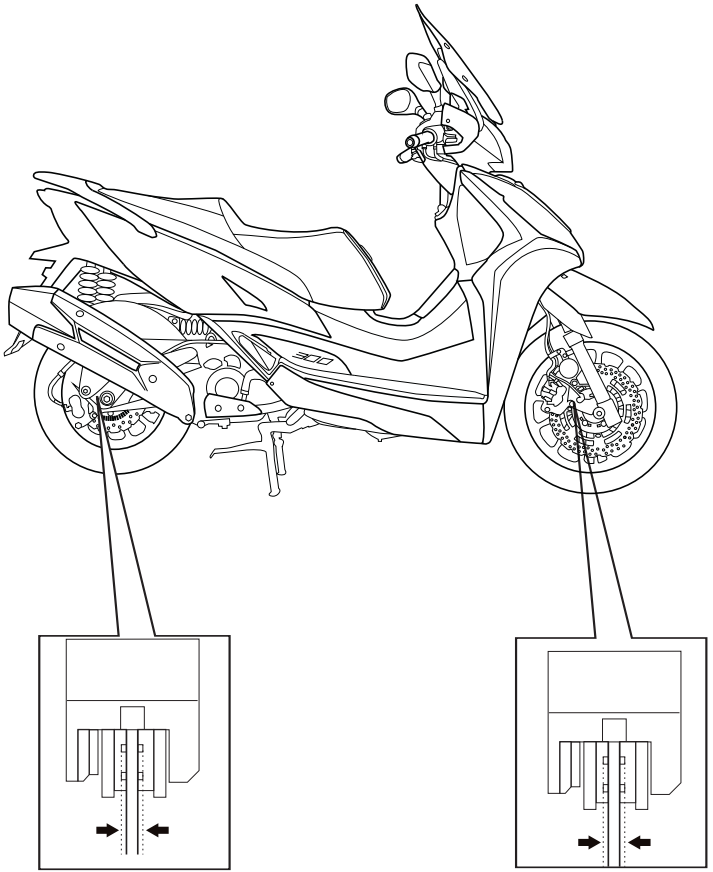
MAINTENANCE

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.

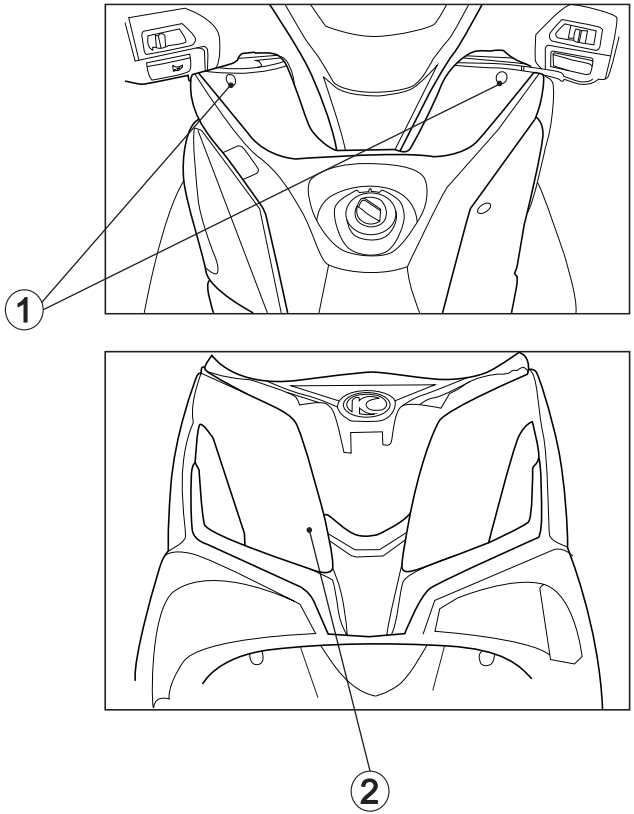
MAINTENANCE

Battery

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

Remove front cover

- Remove the two fasteners (1) on the front cover .
- Remove the front cover (2) .

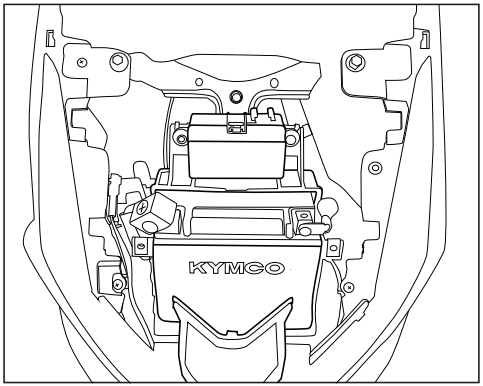


■**NOTE:** If your battery seems weak or the electrolyte is leaking to cause hard start or other electrical troubles, contact the KYMCO dealer immediately.

MAINTENANCE

Battery Remove

- Disconnect the negative (-) terminal
- Disconnect the positive (+) terminal
- 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.

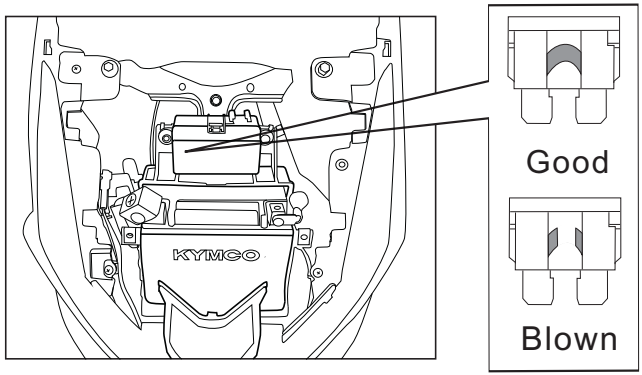
KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.

Fuse

When fuse fails frequently, it usually indicates a short circuit or an overload in the electrical system.

⚠ WARNING

- Never use a fuse of different rating.
- If the new fuse blows in a short time, consult the KYMCO dealer immediately.



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.

Fuse Specifications

30A*1 25A* 1 15A*2 10A*2

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): 2.0 kg/cm^2
Rear tire (rider only): 2.25kg/cm^2
Front tire (rider & passenger): 2.0 kg/cm^2
Rear tire (rider & passenger): 2.25 kg/cm^2

Tire size:

Front tire: 110/70-16 **TUBELESS**
Rear tire: 140/70-14 **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).

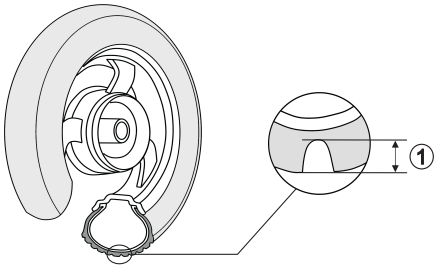
Tires Inspection

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

Cheak Coolant

For the sake of safety, check level of coolant before riding the scooter Replace the coolant as specified in Regular Maintenance Schedule.

Check Level of Coolant.

1.Park the vehicle on flat ground and brace it up with Main Stand.

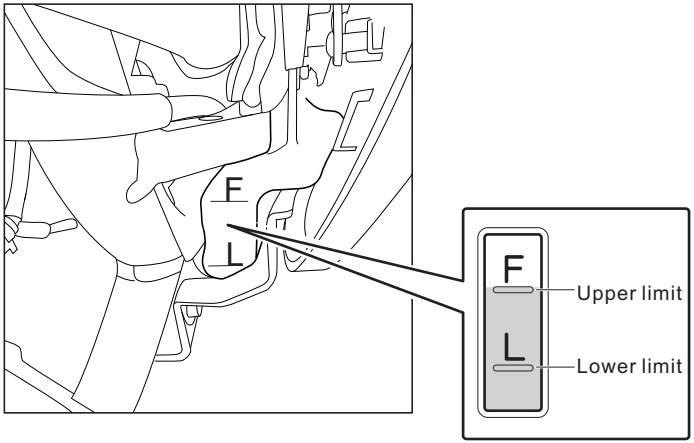
2.Check level of Coolant via viewing window on the preserving radiator. Make sure the level is between "F" and "L" marks.

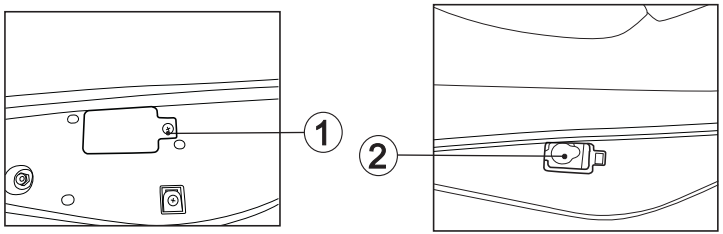
Replenish Coolant (Fill the Reserve Radiator)

1.Stand the vehicle upright on flat ground.

2.Open Reserve Radiator (remove screw 1 and cover 2), replenish water to Upper Limit.

f level of coolant gets excessively low, something must be wrong. Go to a KYMCO Dealer for check and repair.





⚠ WARNING

- Engine coolant is toxic.
- Keep coolant away from children.
- If coolant is swallowed, call for emergency.
- If contact with skin or eyes, wash out with considerable water.

Coolant replacement

The coolant should be replaced by an authorized KYMCO dealer.

■ **NOTE:** Always notice coolant level in the reserve tank. Do not attempt to add coolant by removing the radiator cap.

Coolant recommendation

Use the proper type and amount of coolant. The coolant must be in good condition and have the proper ratio of anti-freeze and distilled water to prevent freezing, overheating, and corrosion.

Use only high quality ethylene glycol anti-freeze that contains corrosion protection inhibitors and the formula is for aluminum alloy engines.

(See the label on the container)

A 50:50 solution of anti-freeze and distilled water is required. It's for most operating temperature and also with good corrosion protection.

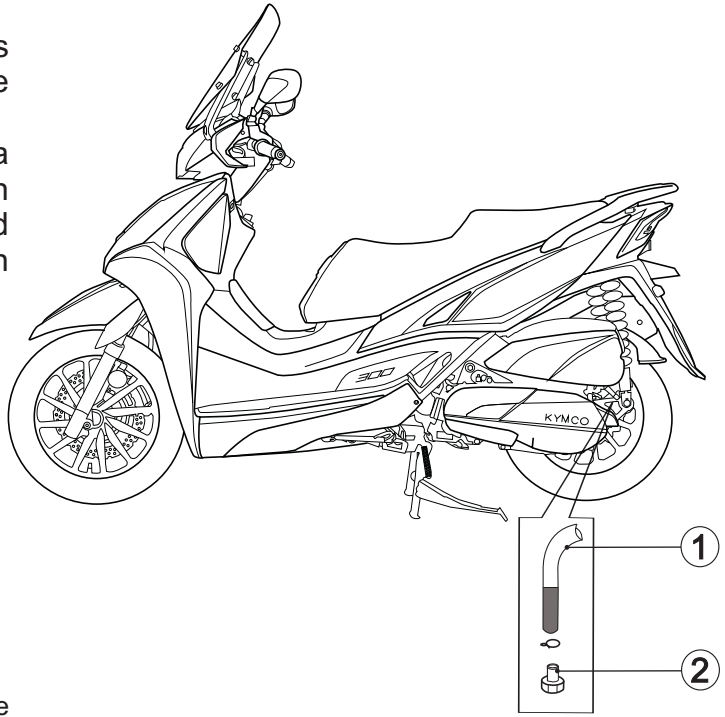
⚠ CAUTION

- Use only low-mineral drinking water or distilled water as a part of the anti-freeze solution.
- Use tap-water will cause engine damage.
- Use a higher concentration of anti-freeze in freezing weather and be replaced by the KYMCO dealer. This higher concentration of antifreeze should not exceed 60%. When becoming warm, change the anti-freeze ratio back to the standard ratio.
- A concentration of less than 40:60(40% anti-freeze) will not provide proper corrosion protection.

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

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

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&NOTE

SPECIFICATIONS

Dimensions

Overall length 2200mm
Overall width..... 765 mm
Overall height ..... 1560 mm
Wheel base..... 1550 mm
Seat height .....800 mm
Curb weight.....191 kg

Capacities

Engine oil (exchange).....0.9 L
Transmission oil (exchange)..... 0.18 L
Fuel tank .....13 L
Maximum weight capacity 341kg

Engine

Type ..... Four-stroke, air-cooled OHC
Displacement.....276cc
Bore and stroke.....72.7 X 66.4 mm
Compression ratio 10.6:1
Max Horsepower..... .....16.8KW/7500rpm
Max Torque..... .....23.5Nm/6500rpm
Spark plug DPR6EA-9
Idle speed .....1700±100RPM
Cooling system .....Cooling water
Starting system ..... Electric starter motor

Chassis

Tire size, front..... 110/70–16
Tire size, rear..... 140/70–14
Brake (front) .....DISK(ABS)
Brake (rear) .....DISK(ABS)

Electrical

Ignition type ..... ECU
Battery 12v 10Ah
Headlight 12v/8w/6w
Tail light 12v4w
Brake light 12v 6w
Turn signal light 12v 10w*2
License plate light.....12V 5w
Position light.....12v 5w(F)12v 1w(B)
Fuses .....30A*1, 25A*1 ,15A*2,10A*2