



Xciting 250i & 250Ri

Xciting 300i & 300Ri

Xciting 500i & 500Ri

Xciting 500Ri ABS



OWNER'S MANUAL

Do not remove this Owner's Manual from the vehicle. Read this manual carefully before operating the vehicle as it contains important safety information.

Read this manual carefully.

This Owner's Manual contains important information on safety , operation and maintenance of your KYMCO Xciting scooter . Any one who operates your scooter should carefully read and understand the contents of this manual before riding the scooter . For your safety, understand and follow all of the warnings contained in this Owner 's Manual and the labels applied to your scooter . This Owner's Manual should be considered a permanent part of the vehicle, keep it with your scooter at all times.

ON-ROAD USE ONLY This scooter has been designed to be used on the road.

Particularly important information is called out in this manual by the following icons and notations:



The SAFETY ALERT symbol with the exclamation point in the triangle means **ATTENTION! BE ALERT! YOUR SAFETY CAN BE AFFECTED.**



Failure to follow instructions associated with a **WARNING** symbol could result in severe injury or death to the rider, a passenger, a bystander, or a person inspecting or repairing the scooter .



A **CAUTION** symbol indicates that special precautions must be taken to avoid damaging the scooter.



The **NOTE** symbol indicates key information about a procedure or to clarify an operation.

California Proposition 65



This product contains or emits chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Battery & EFI Damage Alert



To avoid damage to the scooter's electronic fuel injection system, do not remove or install a battery wire when the ignition switch is in the "ON" position.

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Xciting 500i



Xciting 250/300i



Xciting 500Ri



Xciting 250/300Ri



Xciting 250/300/500i front brakes



Xciting 250/300/500i rear brake



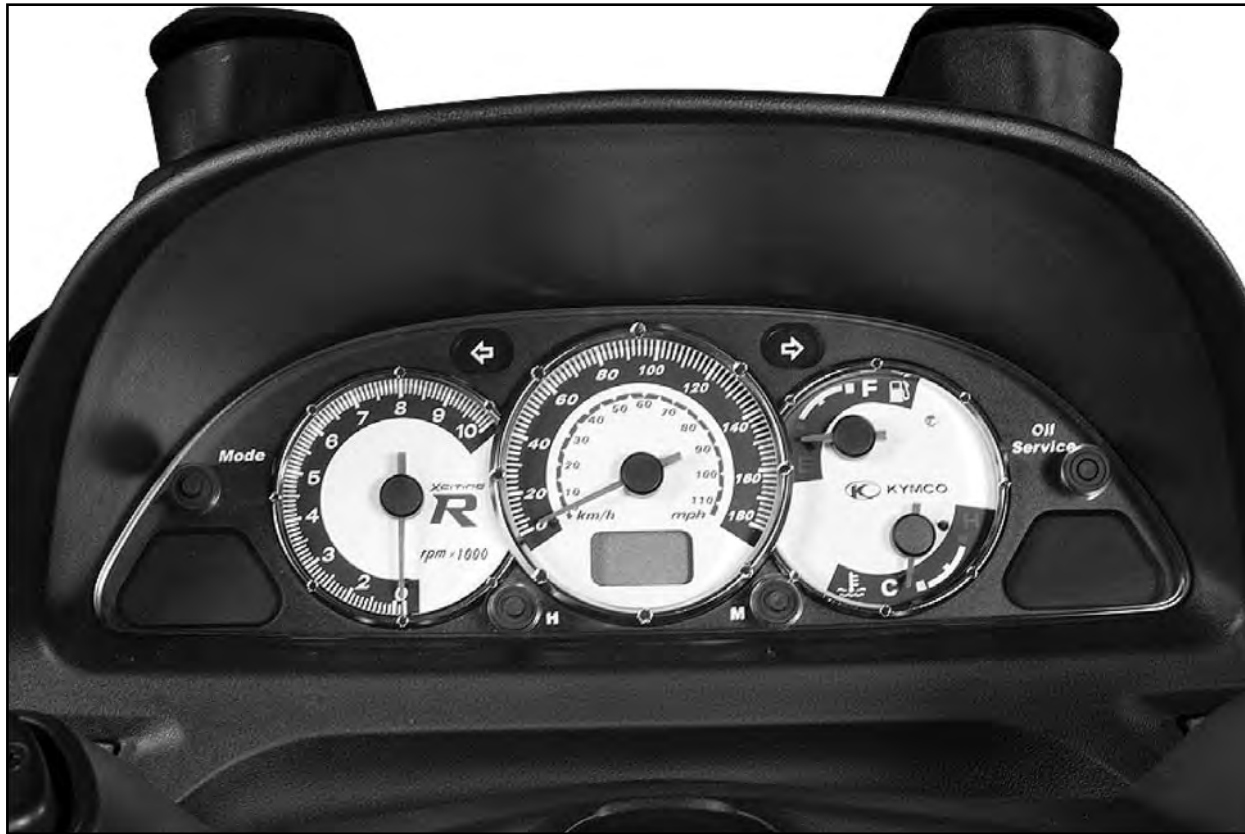
Xciting 250/300/500Ri front brakes



Xciting 250/300/500Ri rear brake



Xciting 250/300/500Ri Instruments and Indicators



SECTION 1 - FORWARD & SAFETY INTRODUCTION



Thank you for purchasing this KYMCO Xciting scooter , and welcome to the KYMCO riding family .

Please read this owner's manual carefully before riding so that you will be thoroughly familiar with the proper operation of your scooter controls, its features, capabilities, and limitations.

To ensure a long, trouble-free life for your scooter , 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 your vehicle and manufactured to meet KYMCO's demanding standards.

Keep this owner's manual aboard your 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 scooter 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 information in this manual that differs slightly from your vehicle. KYMCO reserves the right to make product and publication changes at any time without notice and without incurring any obligation.

IMPORTANT SAFETY INFORMATION

Your scooter can provide you many years of service and pleasure if you take responsibility for your own safety and understand the challenges that you can meet on the road. There is much that you can do to protect yourself when you ride. You will find many helpful recommendations throughout this manual. Here are some very important safety tips:

Wear a helmet

Scooter safety equipment starts with a quality helmet. One of the most serious injuries you can suffer in a crash is a head injury. Always wear a properly approved helmet. You should also wear suitable eye protection.

Make yourself easy to see

To make yourself more visible, wear bright reflective clothing, position yourself so other drivers can see you, signal before turning or changing lanes, and use your horn when it will help others notice you.

Know your limits

Ride within the boundaries of your own skill at all times. Knowing these limits and staying within them will help you to avoid accidents.

Keep your scooter in safe condition

For safe riding, it's important to inspect your scooter before every ride and perform all recommended maintenance. Never exceed load limits, and only use accessories that have been approved by KYMCO for this scooter.

Inspect your scooter before riding

Do not forget to perform an entire safety inspection to ensure you, and your passenger's safety, before each ride.

Be extra safety conscious on bad weather days

Riding on bad weather days, especially wet ones, requires extra caution. Braking distance can double on a rainy day. Stay off of the painted surfaces, manhole covers and greasy appearing areas on the pavement, as they can be especially slippery. Use extreme caution at railway crossings and on metal gratings and bridges. Whenever you are in doubt about the road conditions, slow down.

Modification

Modification of your scooter, or removal of original equipment may render the vehicle unsafe or illegal. Obey all applicable equipment regulations in your area.

SCOOTER SAFETY



PROTECTIVE APPAREL

For your safety, always wear an approved motorcycle or scooter helmet, eye protection, boots, gloves, long pants, and a long-sleeved shirt or jacket whenever you ride your scooter.

Helmets and protection

Your helmet is your most important piece of riding gear because it offers the best protection against head injuries. Your helmet should fit your head comfortably and securely. Always wear a face shield or goggles to protect your eyes and to aid your vision.

Additional riding gear

In addition to a helmet and eye protection, you should also use:

- Sturdy boots with nonslip soles to help protect your feet and ankles
- Leather gloves to keep your hands warm and help prevent blisters, cuts, burns and bruises
- A motorcycle or scooter riding suit or jacket that has been designed for comfort as well as protection. Bright colored and reflective clothing can help make you more noticeable in traffic. Be sure to avoid loose clothes that could get caught on any part of your scooter.

WARNING

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



① Wear gloves

② Clothes should be fit properly (not too tight or loose)

③ Always wear a helmet. You should also wear eye protection

④ Wear bright or reflective clothing

⑤ Footwear should be the proper size, have low heels, and offer ankle protection

WARNING

Be sure you and your passenger always wear an approved motorcycle helmet that fits properly. You should also wear eye protection and other protective apparel when you ride.

LOAD LIMITS & LOADING GUIDELINES



These general guidelines may help you decide how to add accessories to your scooter and how to load it properly .

Load limits

These specifications are the load limits for your Xciting scooter

Overloading the individual storage compartments will affect the scooter's stability and handling, be sure to stay within the limits given below:

Maximum weight capacity (Includes the weight of the rider, passenger, cargo and accessories): 330 lbs (150 kg)

Maximum cargo weight: 19 kg (42 lbs)

① Center small box weight limit: 6.6 lbs (3 kg)

② Center compartment weight limit: 22 lbs (10 kg)

③ Rear carrier weight limit: 11 lbs (5 kg)

④ Front glove box weight limit: 3.3 lbs (1.5 kg)

WARNING

Overloading or improper loading will affect vehicle handling, stability and braking, and can lead to an accident.

Never exceed the stated load capacity of your scooter.

Cargo should be properly distributed and securely attached. Reduce speed when carrying cargo. Allow greater distance for braking.



Loading guidelines

Improperly loading your scooter will affect its stability and handling. You should ride at reduced speeds when you are carrying a passenger or cargo. Follow these guidelines whenever you carry a passenger or cargo:

- Check that both tires are properly inflated
- To prevent loose items from creating a hazard, make sure all cargo is securely tied down before you ride
- Place cargo weight as close to the center of the scooter as possible
- Balance cargo weight evenly on both sides of the scooter

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

Use extreme caution when selecting and installing the accessories for your scooter.

No modifications

KYMCO strongly advises you against removing any original equipment or modifying your scooter in any way that would change its design or operation.

WARNING

Improper accessories or modifications can make your scooter unsafe and can lead to an accident.

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

CAUTION & WARNING LABELS



Your KYMCO Xciting scooter comes equipped with several labels and hangtags containing important safety information. Anyone who rides the scooter should read and understand this information before operation. The labels should be considered permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your KYMCO dealer immediately for a replacement.



CAUTIONS

Every 6000 km run should exchange the filter.

For Xciting 500i/Ri only

MEANING: Replace the air filter ever 3750 miles (6000 km).

CAUTIONS

Never put any article between the rear side cover and the engine to avoid interference of riding.

MEANING: Do not pack any items between the engine and the body side cover, as they could interfere with the scooter's safe operation.



CAUTIONS

Before starting the engine, the side stand shall be kicked up to secure safety.

MEANING: Flip the scooter's side stand up before starting the engine.



- Be sure to wear a safety helmet when riding.
- Do not exceed the speed specified by law when riding.
- The exhaust muffler temperature is very high after riding. Be sure to park the motorcycle in a place not easily touched by people.
- For riding safety and good performance do not violate the law to modify the motorcycle.

- Make sure to perform the periodic maintenance and pre-ride inspection.

Pre-ride Inspection Items

Brake Performance, tires, engine oil level, lights, horn, and instrument panel.

KWANG YANG MOTOR CO., LTD

- Please read the User's Manual carefully to secure driving safely.

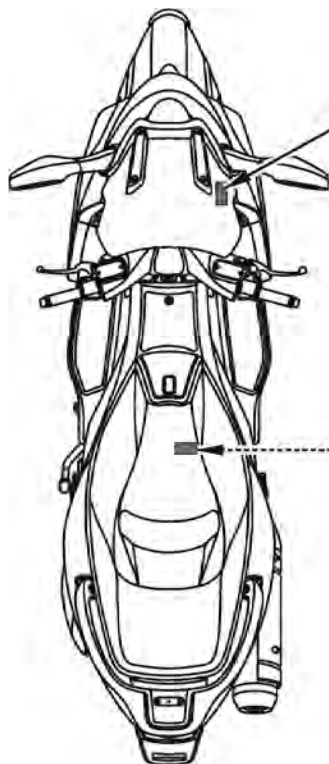
MEANING: Refer to the safe riding recommendations on pages 5 through 9 of this Owner's Manual.

CAUTIONS

Tire Size	: Front 120/70-15	Rear 150/70-14
(One Rider)	: Front 2.00kgf/cm ²	Rear 2.50kgf/cm ²
(Two Rider)	: Front 2.25kgf/cm ²	Rear 2.50kgf/cm ²
Load Capacity	: Shield 1.5kg	Clip assy center 3kg
(As per KYMCO standard specification)		
(Note: The tire pressure must not overpass 2.50kgf/cm ²)		

- Check the motor oil level with the dipstick after refilling motor oil.

MEANING: Refer to load limits on page 8 of this Owner's Manual. Refer to tire inflation specification on page 71 of this Owner's Manual.

**CAUTION**

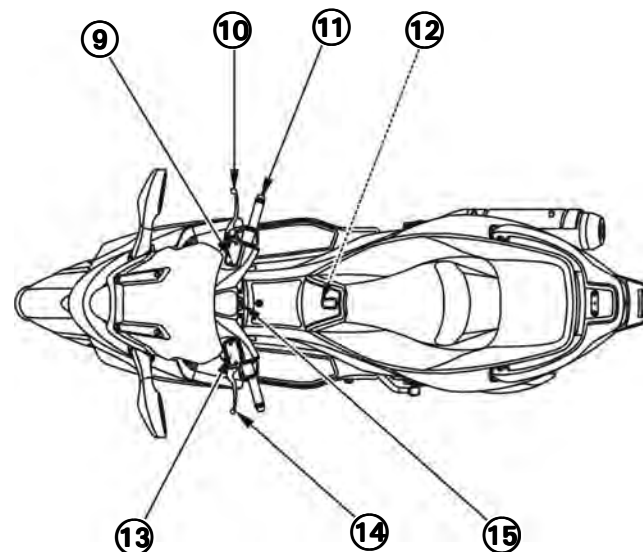
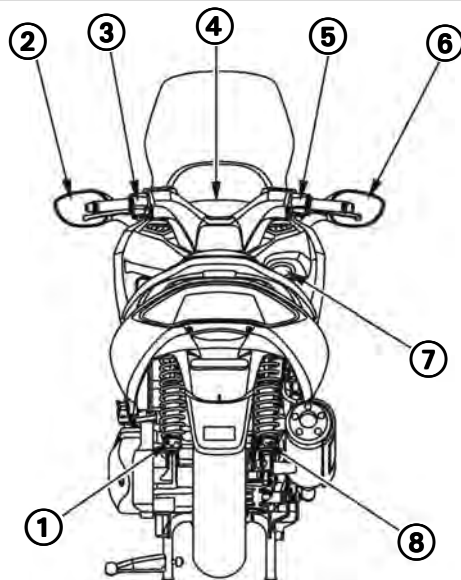
- **DON'T WIPE WITH ORGANIC SOLVENT (EX: GAS, THINNER...ETC).**
- **USE NEUTRAL SOAP TO CLEAN WINDSHIELD.**

MEANING: Using a solvent, such as gasoline or paint thinner, can damage the paint finish and cause the body panels to crack. Use mild soap and water to clean the windshield and the body panels.

CAUTION

Mobile phone charge only, Use other appliance may cause damage.

MEANING: Only use the mobile phone accessory power outlet for recharging a mobile phone. Using other, higher electrical draw accessories will damage the mobile phone accessory power supply.

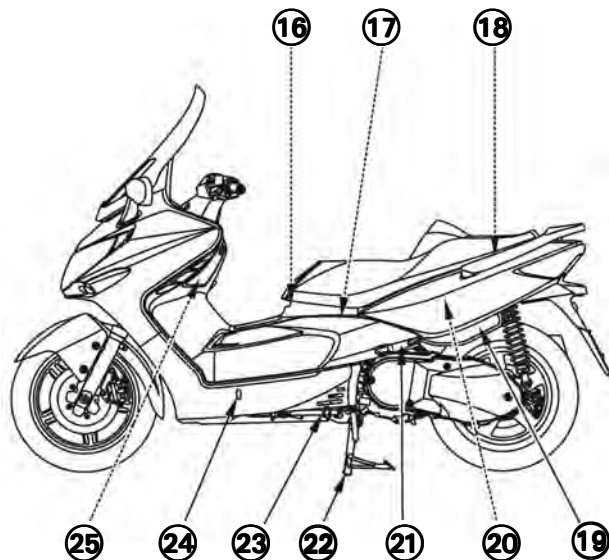


- ① Left shock preload adjuster
- ② Left rearview mirror
- ③ Headlamp dimmer switch, passing button, turn signal switch, and horn button
- ④ Speedometer & indicators

- ⑤ Engine stop switch, starter motor button, headlamp switch, and hazard switch
- ⑥ Right rearview mirror
- ⑦ Fuel filler cap
- ⑧ Right shock preload adjuster
- ⑨ Front brake fluid reservoir

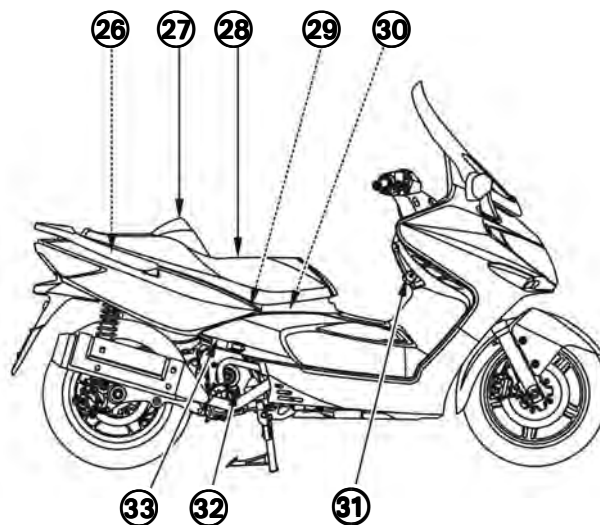
- ⑩ Front brake lever
- ⑪ Throttle grip
- ⑫ Center glove box
- ⑬ Rear brake fluid reservoir
- ⑭ Rear brake lever
- ⑮ Ignition switch

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



- ①⑥ Helmet holder
- ①⑦ Center storage compartment
- ①⑧ Tool kit (under seat)
- ①⑨ Air filter
(500i/500Ri models)
- ②① Air filter
(250/300i & 250/300Ri models)
- ②② Left passenger foot peg

- ②② Center stand
- ②③ Side stand
- ②④ Coolant level window
- ②⑤ Front glove box
- ②⑥ Battery, fuse box, and spare fuses (under seat)
- ②⑦ Adjustable back-rest
- ②⑧ Seat

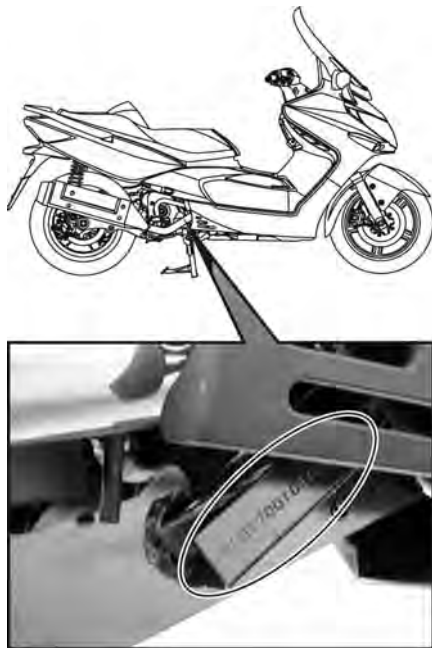


- ②⑨ Center compartment light, cell phone socket (under seat)
- ③① Cell phone holder (under seat)
- ③② Parking brake lever
(500i/500Ri models)
- ③③ Oil filler cap/Dipstick
- ③④ Right passenger foot peg

SECTION 2 - CONTROLS & FEATURES

Vehicle identification number

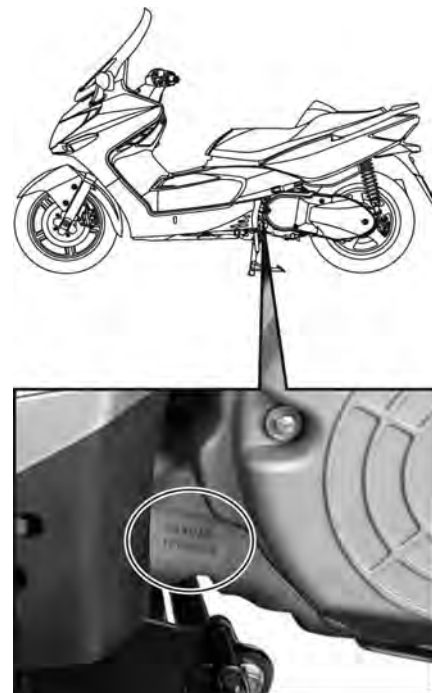
The vehicle identification number (also known as the VIN or frame number) is a 17-digit number stamped on the right side of the frame. At this same location is the VIN compliance label. When you take delivery of your scooter, check that the VIN stamped on your scooter and imprinted on the label is the same as the VIN listed in the bill-of-sale and the warranty documents you received from your dealer.



Engine serial number

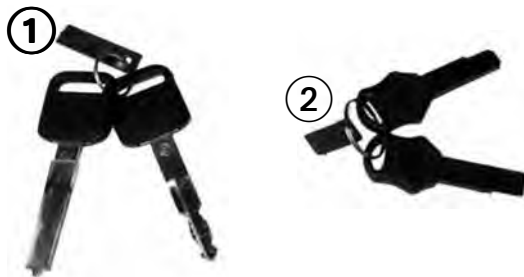
The engine serial number (also known as the ESN) is stamped on left side of the engine case.

NOTE: Write your scooter's VIN and ESN in the boxes provided in the inside, rear cover of this Owner's Manual.



KEYS

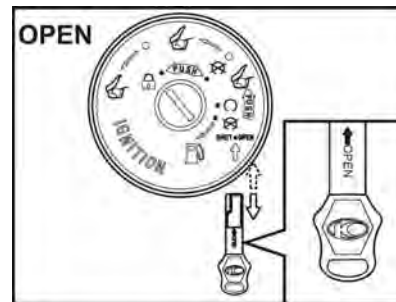
Your Xciting scooter is supplied with four keys: two identical ignition switch keys ① and two identical shutter keys ②. The ignition keys operate the ignition switch, the steering lock, the fuel filler cap, and are used to open the seat to gain access to the center compartment. The shutter keys are used to open the security shutter that covers the ignition switch. Your KYMCO scooter is equipped with this security shutter to minimize vandalism and theft.



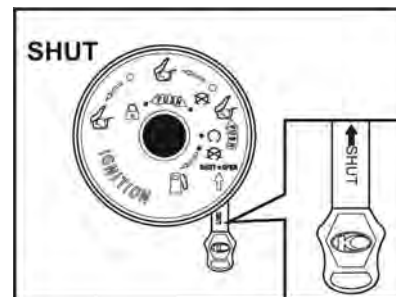
Both pairs of keys have a unique code that is stamped on the tabs supplied with the keys. This code is not stamped on the scooter and is not recorded in the vehicle's basic documentation for security reasons. Since the codes are required if you need replacement keys, record these important codes in the boxes provided on the inside, rear cover of this Owner's Manual.

SECURITY SHUTTER

To open the ignition switch security shutter:
Turn the shutter key until the "OPEN" side is facing upward and insert the shutter key into it's slot on the ignition switch cover .



To shut the ignition keyhole security shutter:
Turn the shutter key until the "SHUT" side is facing upward and insert the shutter key into it's slot on the ignition switch cover .



NOTE: Apply a lock lubricant with antifreeze properties to the security shutter if the outside air temperature drops below freezing (32° F, 0° C).

IGNITION SWITCH

To operate the ignition switch and it's functions:

"" Position:

All electrical circuits are off. The engine will not start or run.

"" Position:

The ignition circuit is "ON" and engine can now be started. The key cannot 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:

To open the fuel filler cap, turn the key to the "" position. Make sure that the key is at the "" position when starting the engine.

"" Position:

To open the seat, turn the key to the "" position.



A detailed diagram of the instrument cluster with 22 numbered callouts pointing to specific components:

- 1: More indicator
- 2: More indicator
- 3: More indicator
- 4: More indicator
- 5: More indicator
- 6: More indicator
- 7: More indicator
- 8: More indicator
- 9: More indicator
- 10: More indicator
- 11: More indicator
- 12: More indicator
- 13: More indicator
- 14: More indicator
- 15: More indicator
- 16: More indicator
- 17: More indicator
- 18: More indicator
- 19: More indicator
- 20: More indicator
- 21: More indicator
- 22: More indicator

indicator fails to go out completely once the engine is started, consult your KYMCO dealer immediately.

Running the engine on your scooter with insufficient oil pressure will cause serious engine damage.

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CONTROLS & FEATURES



Multifunction Meter - Xciting 300i & 500i continued:

- ④ Tachometer: Indicates the engine speed in revolutions per minute (RPM)
- ⑤ Left turn signal indicator
- ⑥ Speedometer: Indicates road speed in miles-per-hour (MPH). The meter face also indicates road speed in kilometers-per-hour (KPH)
- ⑦ Right turn signal indicator
- ⑧ Fuel level gauge
- ⑨ Fuel refill indicator “”: This indicator lights when the fuel tank is near empty to alert the rider to refill the fuel tank as soon as possible.
- ⑩ Oil service indicator reset button: The oil service indicator light can be reset by pressing the button. Do not press this button until the oil has been serviced so it can notify you when the next oil service is required.
- ⑪ Seat unlock indicator “MET-IN”: If this indicator is lit, it means the seat is not locked in the closed position.
- ⑫ Side stand down indicator: This indicator will be lit if the side stand is in the down position.
- ⑬ High beam indicator
- ⑭ Cell phone socket indicator: Lights when the cell phone recharging socket is being used
- ⑮ Coolant temperature gauge: Indicates engine coolant temperature when the ignition switch is “ON”
- ⑯ Minute adjust button: Push this button to adjust the minutes on the clock display
- ⑰ Odometer/Tripmeter: Press the ② button to toggle between the overall and trip mileage, or to reset the tripmeter
- ⑱ Clock
- ⑲ Hour adjust button: Push this button to adjust the hours on the clock display
- ⑳ Oil service indicator: Lights when the scooter has reached the oil service interval mileage. The indicator also lights when the ignition is turned “ON” but should go out once the engine is running.
- ㉑ CELP indication (250i/Ri, 300i/Ri & 500i/Ri models): If flashing, it indicates that a fault has been detected in the scooter’s EFI or electrical system. Requires immediate inspection by a KYMCO dealer.

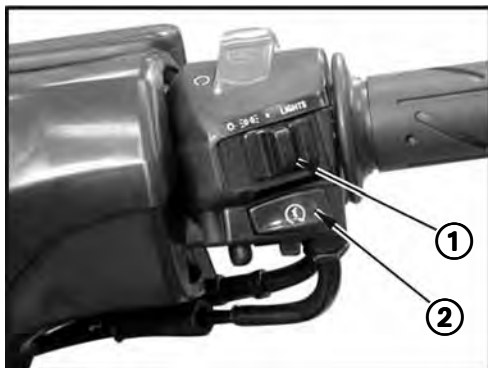
NOTE: The CELP indicator lights momentarily when the scooter is turned “ON”, before the engine is running. It will also light if the engine is revved past its upper RPM limit. The scooter’s ignition will begin to limit engine speed to reduce the risk of potential engine damage. The indicator will go out once the engine speed has returned to the normal range.

- ㉒ Parking brake indicator (500i / 500Ri only): Indicates that the parking brake is engaged.

WARNING

Do not ride the scooter with the side stand down as it could result in an accident.

Right handlebar switch



Headlight switch ① "☀" position:

The headlight and taillight will be lit.

"☂" position

The position light and taillight (running lamps) will be lit.

"•" position

The headlight and taillight will be off.

NOTE: Not all Xciting scooters have switches that control the headlight circuit. Depending upon country and state regulations, your scooter's controls may differ from the switches described here.

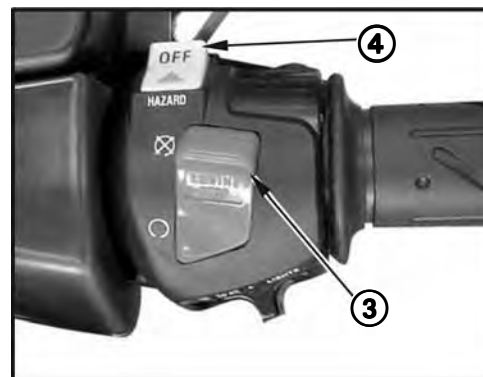
Electric starter button ② "Ⓢ":

Press the electric starter button to activate the starter motor .

NOTE: The starter motor will not engage unless a brake lever is squeezed at the same time the starter button is pressed. Your scooter is also equipped with an safety interlock that prevents the starter motor from being engaged unless the sidestand is fully up.

⚠ CAUTION

To prevent damage to the starter motor, do not operate the starter motor for more than five seconds at a time. If the scooter fails to start immediately, check the fuel level and the battery condition, and allow the starter motor to cool before attempting to start the engine again.



Engine stop switch ③ "⊗" position:

The ignition circuit is off. The engine will not start or run.

"O" position

The ignition circuit is on, and the engine can start and run.

Hazard switch ④ "△":

Flipping this switch to the "△" position will cause all of the turn signals to flash together, indicating a hazard to other traffic. Returning the switch to "OFF" will cancel the hazard flashing.

NOTE: When either turn signal is flashing, the hazard switch will not work. The hazard switch will still operate when the ignition is "OFF"

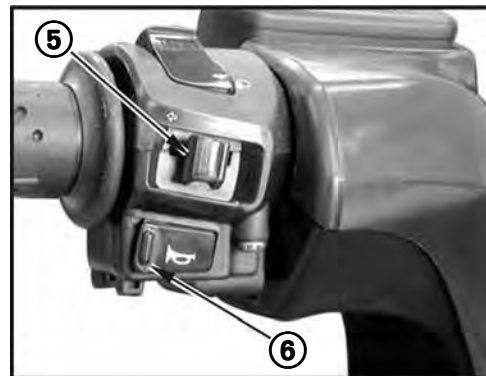
WARNING

Turn on the hazard flasher switch when parking in a hazardous position or there is a special need to alert other traffic. Once the hazard switch is turned on, it will not reset automatically, so be sure to turn it "OFF" after use to avoid confusing other traffic.

CAUTION

Do not leave the hazard flasher on for a long period of time as it can deplete the battery's energy.

Left handlebar switch



Turn signal switch ⑤:

Use the turn signal indicator to signal to other traffic your intention to turn or change lanes. The turn signal light on the dash will flash to alert the rider that the switch is engaged.

"←" for turning to the "left".

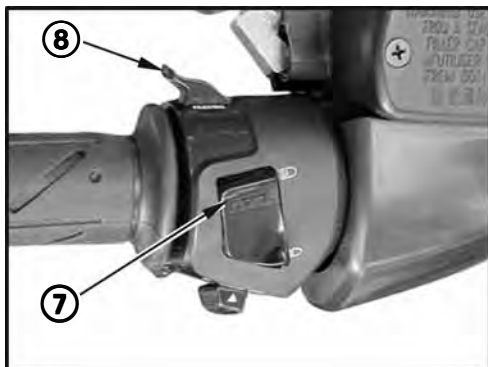
"→" for turning to the "right".

To cancel the turn signal, press the switch in when it is in the center position.

Horn button ⑥ "🔊":

Press the horn button to sound the horn.

Left handlebar switch (continued)



Dimmer switch ⑦:

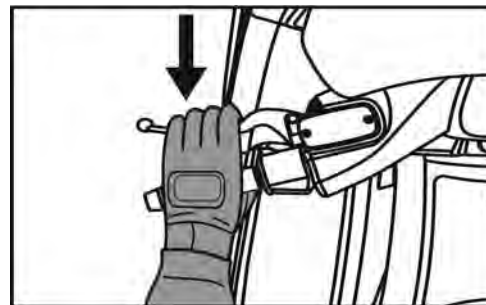
"☰D" switch position turns the headlight low beam on.

"☰D" switch position turns the headlight high beam on and the high beam indicator light on the dash is activated as well.

Passing light button ⑧:

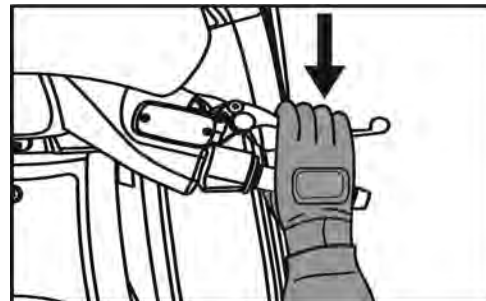
Use this button to rapidly flick the headlamp high beam on and off to signal other vehicles that you wish to pass.

Brakes



Combination brake lever (left handlebar)

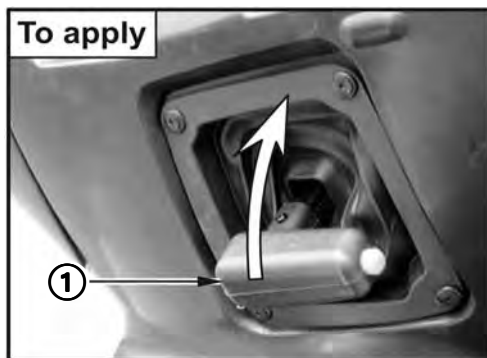
Apply the front and rear brakes squeezing the left hand brake lever gently towards the grip. The brake light will illuminate when the lever is squeezed.



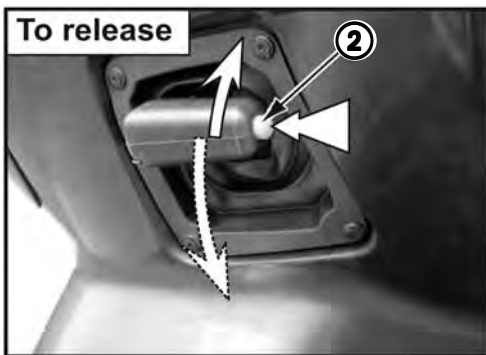
Front brake lever (right handlebar)

Apply the front brake only by squeezing the right hand brake lever gently towards the grip. The brake light will illuminate when the lever is squeezed.

Parking brake (Xciting 500i & 500Ri)



To apply the parking brake:
Pull in the parking brake lever ① to lock the rear wheel.



To release the parking brake:
Release the parking brake lever by lightly pulling in the lever while pushing the release knob ②.

NOTE: Before riding, check to see if the parking brake indicator light on the dash is OFF. Make sure that the rear brake is fully released so there is no drag on the rear wheel.

WARNING

Riding your scooter with the parking brake engaged is hazardous. The rear brake will overheat and lose braking performance.

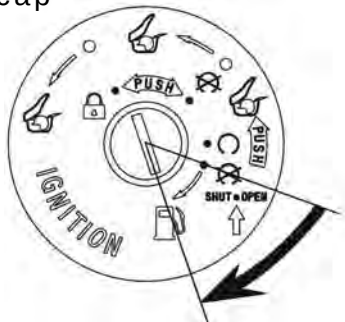
Engaging the parking brake while riding can cause rear wheel skid and loss of control.

Use the parking brake lever only when parking and release lever before riding.

CONTROLS & FEATURES

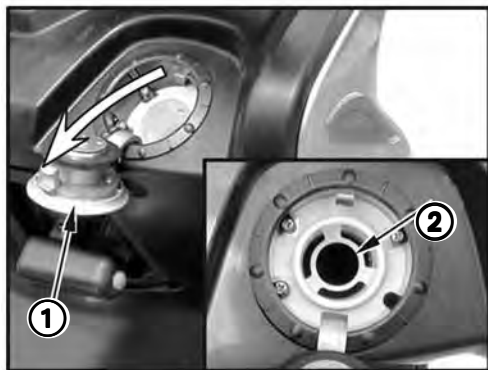


Fuel filler cap



To open the fuel filler cap:

Insert the ignition key in the ignition switch and turn it to the "PUSH" position (the key cannot be removed in this position). Rotate the key clockwise to the "PUSH" position, and the fuel filler cap ① will open.



After refueling, be sure to close the filler cap securely .

⚠ CAUTION

Do not overfill the tank. There should be no fuel in the filler neck ②. Excess fuel can contaminate the evaporative emission canister, resulting in poor drivability.

Fuel recommendation

Use unleaded gasoline with a research octane number of 91 or higher. Unleaded gasoline will extend spark plug and exhaust component life.

⚠ WARNING

Gasoline is highly flammable and explosive. You can be burned or seriously injured while handling fuel.

- * Stop the engine and keep heat, sparks, and flame away.
- * Refuel only out doors.
- * Clean up fuel spills immediately.

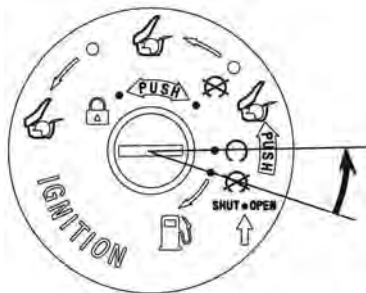
To lock the fuel filler cap:

Push fuel fill cap down into place.



CONTROLS & FEATURES

Fuel filler cap (continued)

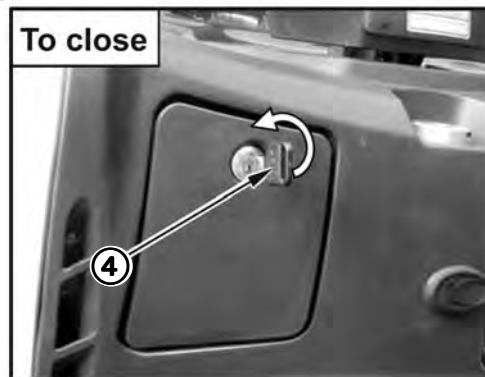
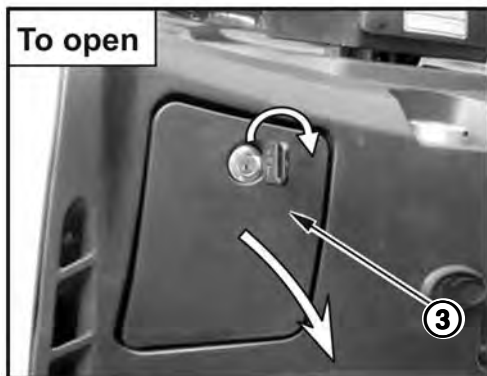


Turn the ignition key from the "❌" position to the "🔑" position to restart the engine.

Front glove box

To open:

Insert the ignition key into the glove box lock ③ and turn it clockwise.



To close:

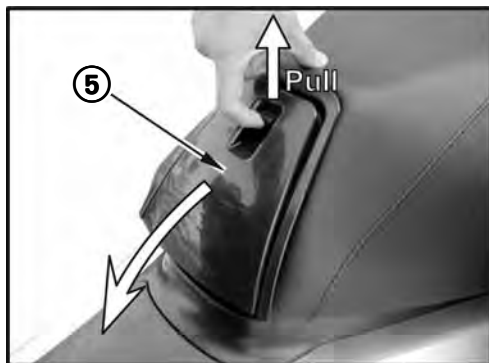
1. Hold the glove box lid ④ closed and turn the ignition key counterclockwise.
2. Remove the key.

⚠️ WARNING

Opening the glove box lid while riding can be hazardous. Removing a hand from the handlebars can reduce your ability to control the scooter.

Always keep both hands on the handlebars while riding the scooter.

Center storage box



To open the box:

Pull up the release lever (6) of the storage box cover (5).

To close and secure the box cover:

Push down on the box cover until it locks.



WARNING

Opening the center storage box lid while riding can be hazardous. Removing a hand from the handlebars can reduce your ability to control the scooter.

Always keep both hands on the handlebars while riding the scooter.

Seat

To unlock the seat "👉":

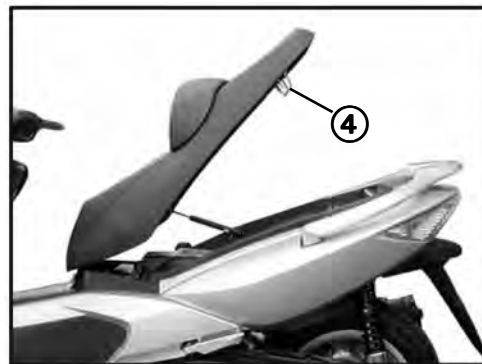
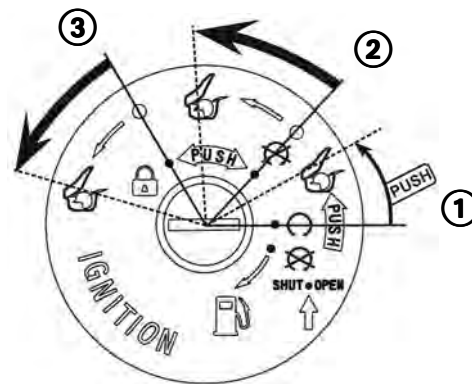
- ① With the ignition key at the "🔑" position (the engine is running), push the key in and turn it counterclockwise from "🔑" to the "👉" position.
- ② With the ignition key in the "🔒" position (the engine is not running), turn the key counterclockwise from the "🔒" to the "👉" position.
- ③ With the ignition key in the "🔒" position (the steering is locked), turn the key counterclockwise from the "🔒" position to the "👉" position.

Pull up on the back portion of the seat to lift it up.

To lock seat:

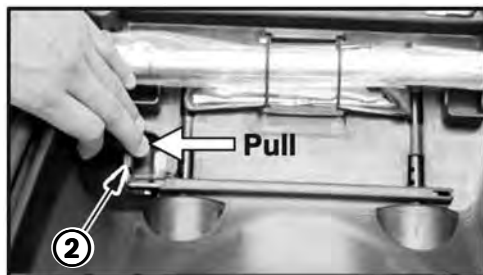
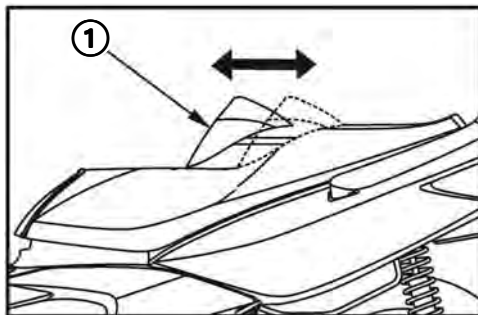
Lower the seat and push down on the passenger section to engage the hooks ④ into the seat lock. Make sure the seat is secure before riding.

NOTE: The under-seat light and the "MET-IN" indicator light on the dash will light when the seat is unlocked. Make sure the seat is locked to prevent battery depletion.



Adjustable back-rest

The seat is equipped with a back-rest ① that can be adjusted according to the rider's preference or physical condition.



To adjust the back-rest:
Open the seat (see page 27), pull the locking lever ② left on the underside of the seat to move the back-rest to the desired position.

NOTE: After cleaning the scooter or riding it in the rain, wipe off any water from under the back-rest to keep the seat in good condition.

Center compartment

The center compartment is below the seat. To access the compartment see "Seat" (page 27).



CENTER COMPARTMENT WEIGHT LIMIT: 22 lbs (10kg)

WARNING

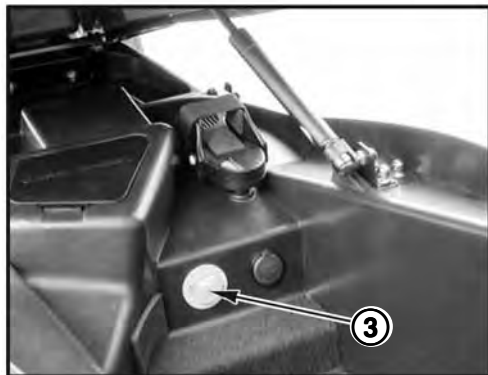
Never exceed the maximum weight limit, as vehicle handling and stability may be severely affected.

The center compartment may become warm from engine heat. Do not store food, or flammable materials, which are susceptible to heat damage in this compartment.

Do not direct pressurized water against the seat and center compartment joint, as water can be forced into the compartment.

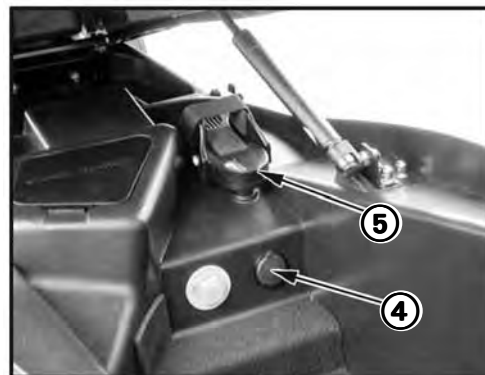
Center compartment light

The center compartment light ③ will turn on automatically when the seat is opened. It will remain on as long as the seat is open, regardless of the position of the ignition switch.



Cell phone power socket

Remove the cap ④ from the power socket and insert your 12VDC cell phone charger into the socket. The charging indicator light on the dash will illuminate to alert you that the charger is drawing power from the scooter.



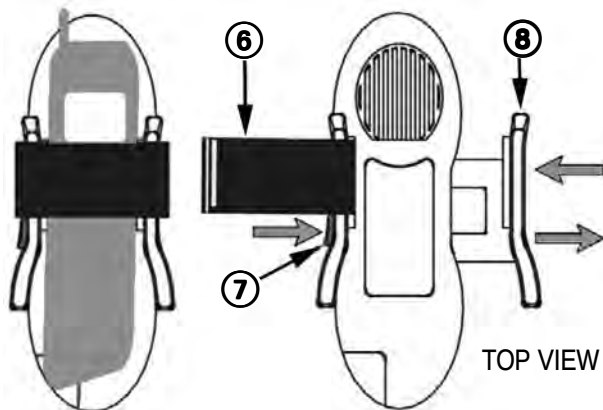
The socket's rated capacity is DC 12V, 10 Watts (0.8A) or less.

When the cell phone is recharged, unplug it and reinstall the socket cap.

See page 30 for information about the cell phone mount ⑤.

Cell phone mount

This scooter is equipped a mount to secure your cell phone while it is charging. The mount secures the phone in a horizontal position.



To secure the cell phone in the mount:

Open the hook-and-loop fastening band ⑥, then press the release button ⑦ to open the mount's pressure plate ⑧.

Set the cell phone flat on the mount and push the pressure plate in until it matches the width of the phone. Connect the fastening band and plug the phone's charger into the power socket.

NOTE: A cell phone charger is not included with your scooter.

⚠ CAUTION

Do not plug any heat-generating accessory such as an automobile cigarette lighter into the power socket because it can damage the socket or the scooter's electrical system.

Do not add electrical equipment that will exceed the accessory socket's capacity, as this may blow the fuse (0.8A) for the cell phone socket.

To avoid damaging your cell phone, follow the charging and use instructions provided by the phone's manufacturer.

Helmet holder

To use the helmet holders, open the seat (see page 27), and hook your helmet's fastener ring to the holder ① and close the seat securely.



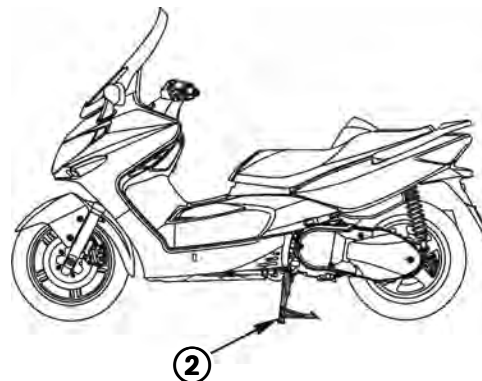
WARNING

Riding your scooter with a helmet attached to the holder can interfere with the rear wheel or suspension and can cause a crash in which you can be seriously hurt or killed.

Use the helmet holder only when your scooter is parked.
Do not ride with a helmet hanging from the holder.

Center stand

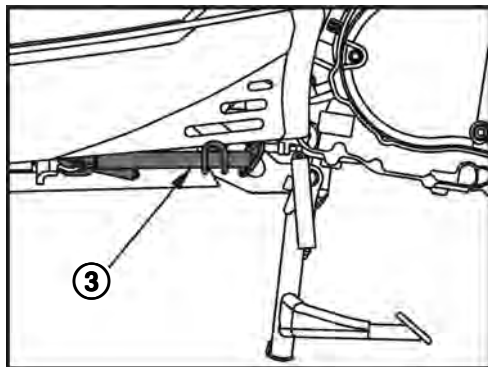
Your Xciting scooter is equipped with a center stand ② and a side stand.



To park your scooter on the center stand, place your foot on the stand extension and then rock the scooter to the rear, pulling upward on the passenger hand rail grasped by your right hand, while steadying the handlebars with your left hand.

Side stand

Your Xciting scooter is equipped with a center stand and a side stand ③.



Your scooter has an interlock safety switch which cuts off the ignition if the side stand is down.

The side stand down indicator on the dash will light if the side stand is left down and ignition switch is turned to ON "  ".

The side stand/ignition interlock switch works as follows:

- If the side stand is down, the engine can not be started.
- If the engine is running and the side stand is put down, the engine will stop running.

WARNING

Riding with the side stand not retracted can result in an accident when you turn left.

Check operation of the side stand/ignition interlock system before riding.

Always retract the side stand completely before starting off.

CAUTION

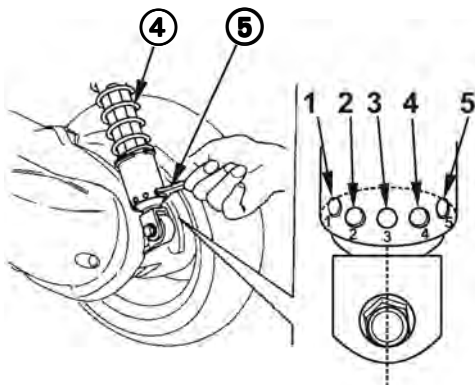
Always park your the scooter on firm, level ground to help prevent it from falling over.

If you must park on an incline, aim the front of your scooter uphill and place it on the center stand.

If you are parking a Xciting 500i / 500Ri model you can use the side stand in combination with the parking brake.

Suspension

Each shock absorber ④ on your scooter has 5 spring preload adjustment positions for different load or riding conditions.



Use a pin spanner ⑤ to adjust the rear shock spring preload. Position 1 is for light loads and smooth road conditions. Positions 3 to 5 increase spring preload for a stiffer rear suspension and can be used when the scooter is heavily loaded.

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

Standard spring preload position: 3

⚠ CAUTION

Always adjust the shock absorber pre-lead 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.

Diagnostic tool connector

The diagnostic tool connector ⑥ is located to the right of the battery. This connector can be used by a qualified technician with the appropriate diagnostic tools to evaluate the scooter's electronic fuel injection and electrical systems.



⚠ CAUTION

The diagnostic tool connector should only be accessed by the service personnel at your authorized KYMCO dealer.

Improper connection to or use of the diagnostic tool connector could damage the electronic fuel injection or electrical systems on your scooter.

Pre-ride inspection

For your safety, it is very important to take a few moments before each ride to walk around your scooter and check its condition. If you detect any problem, be sure to address it immediately, or have it corrected by your KYMCO dealer.

WARNING

Improperly maintaining your scooter or failing to correct 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 correct any problems.

1. Engine oil level: Add engine oil if required (page 52). Check for leaks.
2. Fuel level: Fill fuel tank when necessary (page 24). Check for leaks.
3. Coolant level: Add coolant if required. Check for fluid leaks (page 62).
4. Front and rear brakes: Check operation, make sure there is no brake fluid leakage (page 65).
5. Tires: Check condition and inflation pressure (page 71).
6. Throttle: Check for smooth operation and that it closes completely in all steering positions (page 60).
7. Lights and horn: Check that headlight, tail/brake light, turn signals, indicators and horn function properly.
8. Engine stop switch: Check for proper function (page 20).
9. Side stand ignition cut-off system: Check for proper function (page 64).
10. Steering: Check for condition and smoothness.

Starting the engine

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

NOTE: Your scooter is equipped with a side stand ignition cut-off system. The engine cannot be started if the side stand is down. A running engine will shut off if the side stand is lowered.

WARNING

Your scooter's exhaust emits poisonous carbon monoxide gas. High levels of carbon monoxide can collect rapidly in enclosed areas such as a garage. Do not run the scooter's engine with the garage door closed. Even with the door open, run the engine only long enough to move your scooter out of the garage.

CAUTION

To protect the catalytic converter in your scooter's exhaust system, avoid idling for extending periods of time and do not use leaded gasoline.

CAUTION

To prevent damage to the starter motor, do not operate the starter motor for more than five seconds at a time. If the scooter fails to start immediately, check the fuel level and the battery condition, and allow the starter motor to cool before attempting to start the engine again.

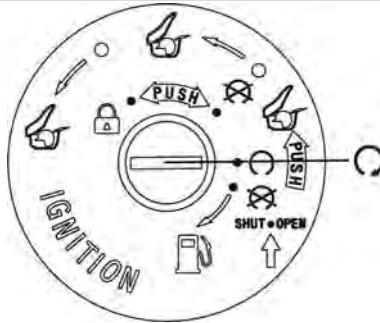
1. Place your scooter on its center stand and put the side stand up.
2. Lock the rear wheel by engaging the parking brake (on Xciting 500i and 500Ri models).



WARNING

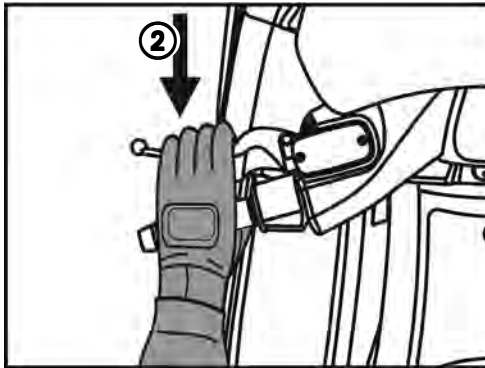
Once the scooter starts the rear wheel may spin. To avoid injury, keep your body and clothing away from the rear wheel.

Set the parking brake on Xciting 500i and 500Ri models with the scooter on the center stand so the rear wheel does not spin during starting.



3. Open the ignition key-hole shutter.

4. Insert the ignition key and rotate the ignition switch to “ON”.



5. Squeeze the left (rear) brake lever.

NOTE: the electric starter will only work when the left (rear) brake lever is squeezed and the side stand is up.



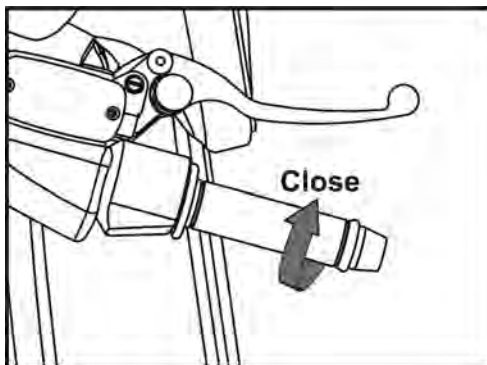
6. With the throttle closed, press the starter button. Release the starter button as soon as the engine starts.

NOTE: The low oil pressure indicator on the dash should go off within a few seconds of the engine starting. If the light stays on, stop the engine immediately and check the engine oil level.

⚠ CAUTION

Operating your scooter's engine with insufficient oil pressure can cause serious engine damage.

7. Keep the throttle closed while warming up the engine (keep the parking brake engaged on Xciting 500i and 500Ri models).



8. Allow the engine to warm up fully before riding.

WARNING

Do not “BLIP” the throttle (opening it and closing it rapidly) as the scooter will move forward suddenly.

Do not leave the scooter unattended while the engine is warming up.

Ignition cut off

(Xciting 250i/Ri, 300i/Ri & 500i/Ri models)

These versions of the Xciting scooter are designed to automatically stop the engine and fuel pump if the scooter is tipped over (a angle detection sensor cuts off the ignition system). If your scooter has been tipped over, you must turn the ignition switch to the OFF position and then back to ON to reset this sensor before you can restart the engine.

Riding

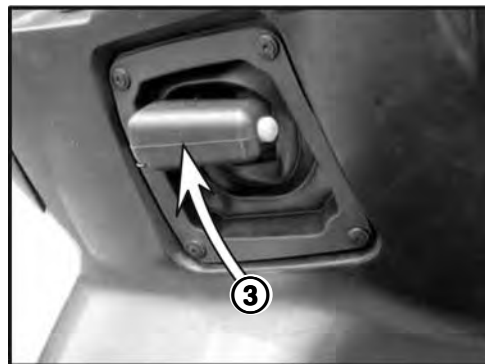
NOTE: After starting, allow the engine oil to circulate before riding your scooter. Allow sufficient idling time after warm or cold engine start up before applying load or revving the engine. This allows time for the lubricating oil to reach all critical engine components.

NOTE: Review the scooter safety recommendations on pages 6 and 7 before you ride.

CAUTION

Make sure flammable materials such as dry grass or leaves do not come in contact with the exhaust system when riding, idling, or parking your scooter.

1. Make sure the throttle is closed and the parking brake (Xciting 500i and 500Ri models) is engaged before moving the scooter off the center stand. On other models, squeeze the left brake lever as you move the scooter off of the center stand.



⚠ WARNING

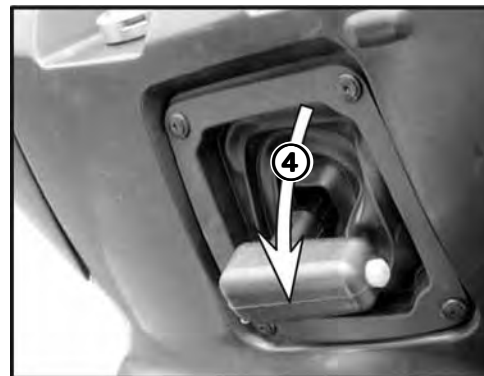
The rear wheel must be locked when moving the scooter off the center stand or loss of control may result.



2. Stand on the left side of the scooter and push it forward and off the center stand.



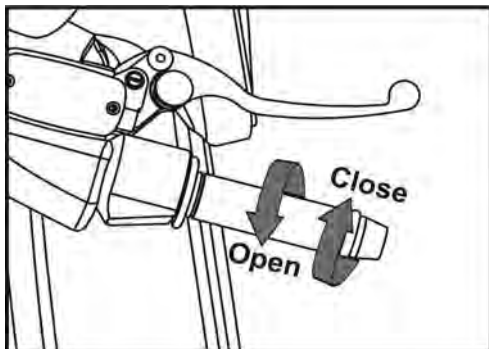
3. Mount the scooter from the left side keeping at least one foot on the ground to steady the scooter.



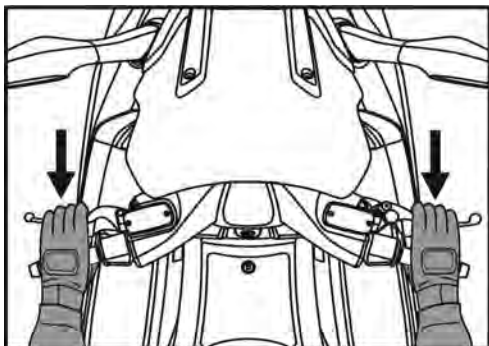
4. Unlock the rear wheel by releasing the parking brake lever ④ (Xciting 500i and 500Ri models).
5. Before starting off, indicate your direction with the turn signals, and check the conditions to see if it is safe to enter traffic.

⚠ WARNING

Grasp the handlebars firmly with both hands. Never attempt one-handed operation, as a loss of vehicle control could result.



6. To accelerate, open the throttle gradually; the scooter will move forward.
7. To decelerate, close throttle.



8. When slowing down the scooter, coordination of the throttle and front and rear brakes is important. Both front and rear brakes should be applied together. Independent use of only the front or rear brake reduces stopping performance.

⚠ WARNING

Excessive braking can cause either wheel to lock, reducing your control of the scooter.



9. When approaching a corner or turn, close the throttle fully and slow the scooter down by simultaneously applying both front and rear brakes.
10. After completing the turn, open the throttle gradually to accelerate the scooter.



11. When descending a steep grade, close the throttle fully and apply both brakes to slow the scooter.

 WARNING

Avoid continuous use of the brakes, which may result in overheating and reduction of braking system's efficiency.

12. When riding on wet or loose surfaces, be especially cautious.

 WARNING

When riding in wet or rainy conditions or on loose surfaces, your ability to maneuver and stop will be reduced. For your safety:

- Exercise extreme caution when braking, accelerating or turning.
- Ride at slower speeds and allow for extra stopping distance.
- Keep the scooter as upright as possible.
- Use extreme caution when riding over slippery surfaces such as railroad tracks, iron plates, manhole covers, and painted lines.

OPERATION



Parking

1. After stopping the scooter turn the ignition switch counter-clockwise to the "⊗" (OFF) position and remove the key.



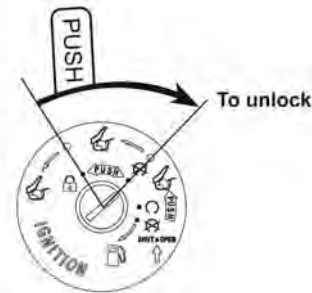
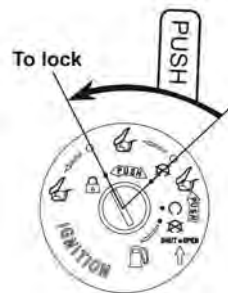
2. Use the center stand to support the scooter while parked.

⚠ CAUTION

Always park your the scooter on firm, level ground to help prevent it from falling over.

If you must park on an incline, aim the front of your scooter uphill and place it on the center stand.

If you are parking an Xciting 500i / 500Ri model, you can use the side stand in combination with the parking brake.



3. Lock the steering (see page 17) to help prevent theft.

⚠ WARNING

The exhaust pipe and muffler become very hot during operation and remain sufficiently hot for some time after stopping the engine to inflict serious burns.

Park your scooter where pedestrians or children are not likely to touch the muffler.

Make sure flammable materials such as dry grass or leaves do not come in contact with the exhaust system when parking your scooter.

Break-in recommendations

The first 1000 miles (1600 km) of riding are the most important in the life of your scooter. Proper break-in operation during this time will help ensure maximum life and performance from your new scooter. Proper break-in operation allows the machined surfaces to polish each other and mate smoothly.

Your scooter's reliability and performance depend on special care and restraint exercised during the break-in period. It is especially important that you avoid operating the engine in a manner which could expose the engine parts to excessive heat.

The following guidelines should be followed during the break-in period:

Maximum throttle operation:

Initial 500 miles (800 km): Less than 1/2 throttle

Up to 1000 miles (1600 km): Less than 3/4 throttle

Vary the engine speed:

The engine speed should be varied and not held at a constant rate for long periods of time. This allows the parts to be "loaded" with pressure, and then unloaded, allowing the parts to cool. This aids in the mating process of the engine and transmission components. It is essential that some stress be placed on these components during break-in to ensure this mating process. Do not, however, apply excessive load on the scooter's drive line.

Avoid constant low speed:

Operating the engine at constant low speed (light load) can cause parts to glaze and not seat in properly. Allow the engine to accelerate freely through the gears, without exceeding the recommended throttle openings.

Avoid using full throttle for the first 1600 km (1000 miles).

The initial service:

Observe your first and most critical service. The 600 mile (1000 km) initial service is the most important service your scooter will receive. During the break-in period all of the engine components will have worn in, and all of the other parts will have seated in, so adjustments will be required. All fasteners will be tightened, and the contaminated engine oil will be replaced.

NOTE: Completion of the 600 mile (1000 km) initial service will ensure optimum service life and performance from your scooter. Do not delay in having this service performed once your scooter reaches this mileage.

⚠ CAUTION

The 1000 km (600 miles) service should be performed as outlined in the maintenance schedule section of this owner's manual. Pay particular attention to the caution and warning in maintenance schedule section.

Unless you have formal training as a service technician and have access to KYMCO technical reference materials, it is strongly suggested that you have the initial service performed by a KYMCO dealer.

Breaking in the new tires

New tires need proper break-in to assure maximum performance, just as your scooter's engine does. Wear in the tread surface by gradually increasing your cornering lean angles over the first 100 miles (160 km) before attempting maximum lean angles. Avoid hard acceleration, hard cornering, and hard braking for the first 100 miles (160 km).

⚠ WARNING

Failure to break in your tires could cause the tires to slip and could result in you losing control of the scooter.

Use extra care when riding on new tires. Perform proper break-in of the tires as described in this Owner's Manual and avoid hard acceleration, hard cornering, and hard braking for the first 100 miles (160 km).

SECTION 4 - MAINTENANCE



The importance of maintenance

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

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

These instructions are based on the assumption that your scooter will be used exclusively for its designed purpose. Sustained high speed operation or operation in unusually wet or dusty conditions will require more frequent service than specified in the maintenance schedule. Consult your KYMCO dealer for recommendations applicable to your individual needs and use.

NOTE: Always follow the inspection and maintenance recommendations and schedules in this Owner's Manual.

WARNING

If your scooter tips over or becomes involved in a crash, be sure your KYMCO dealer inspects all major parts, even if you are able to make some repairs.

Improperly maintaining this scooter or failing to correct a problem before you ride could result in a crash in which you could be seriously hurt or killed.

WARNING

When performing maintenance on your scooter you may need to start the engine. Running your scooter's engine indoors or in a garage can be hazardous. Exhaust gas contains carbon monoxide, a gas that is colorless and odorless, and can cause death or severe injury. Operate the engine only where there is adequate ventilation, preferably outdoors.

Maintenance schedule (Xciting 500i & 500Ri models)

Perform the pre-ride inspection (see page 34) at each scheduled maintenance period. This interval should be judged by odometer reading or months, whichever comes first.

Maintenance schedule legend (see page 46 and 47):

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY

C: CLEAN R: REPLACE A: ADJUST L: LUBRICATE

The maintenance schedule on the following two pages specifies the maintenance required to keep your Xciting 500i or 500Ri scooter in peak operating condition. Maintenance work should be performed in accordance with KYMCO standards and specifications by properly trained and equipped technicians. Your KYMCO dealer meets all of these requirements.

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

** In the interest of safety, we recommend these items be serviced only by your KYMCO dealer. KYMCO USA recommends that your KYMCO dealer road test your scooter after each periodic maintenance service is completed.

Maintenance schedule notes (see page 46 and 47):

1. At higher odometer readings, repeat at the frequency interval established here.
2. Service more frequently if the scooter is ridden in unusually wet or dusty areas.
3. Service more frequently when riding in rain or at full throttle.
4. Inspect every 12,000 mi (18,000 km) after replacement.
5. Replace every 1 year, or every 6,000 mi (1,000 km), whichever comes first. Replacement requires mechanical skill.
6. Replace every 2 years, or at the indicated odometer interval, whichever comes first. Replacement requires mechanical skill.
7. Replace every 2 years. Replacement requires mechanical skill.

ITEM \ FREQUENCY		WHICHEVER COMES FIRST ↓	→	ODOMETER READING [NOTE (1)]								REFER TO PAGE
				X 1000 km	1	6	12	18	24	30	36	
				X 1000 mi	0.6	4	8	12	16	20	24	
		NOTE	MONTH			6	12	18	24	30	36	
	AIR CLEANER	NOTE 2				R	R	R	R	R	R	59
	SPARK PLUGS						R		R		R	61
*	THROTTLE OPERATION						I		I		I	60
*	VALVE CLEARANCE								I			-
*	FUEL LINE						I		I		I	-
	CRANKCASE BREATHER	NOTE 3				C	C	C	C	C	C	51
	ENGINE OIL				R	R	R	R	R	R	R	52
	ENGINE OIL FILTER				R	R	R	R	R	R	R	55
*	ENGINE OIL STRAINER SCREEN				C	C	C	C	C	C	C	55
*	ENGINE IDLE SPEED				I	I	I	I	I	I	I	82
	RADIATOR COOLANT	NOTE 6					I		I		R	62
*	COOLING SYSTEM						I		I		I	-
*	SECONDARY AIR SUPPLY SYSTEM						I		I		I	-

FREQUENCY ITEM		WHICHEVER COMES FIRST	ODOMETER READING [NOTE (1)]								REFER TO PAGE
			X 1000 km	1	6	12	18	24	30	36	
		MONTH	X 1000 mi	0.6	4	8	12	16	20	24	
*	TRANSMISSION OIL	NOTE 5		R							57
*	DRIVE BELT	NOTE 4									-
**	CLUTCH SHOE WEAR										-
	BRAKE FLUID	NOTE 7						R			65
	BRAKE PAD WEAR										66
	BRAKE SYSTEM										65
*	BRAKE LIGHT SWITCH										-
*	BRAKE LOCK OPERATION										67
	SIDE STAND										64
*	SUSPENSION										64
*	HEADLIGHT AIM										-
*	NUTS, BOLTS, FASTENERS										-
**	WHEELS/TIRES										-
**	STEERING BEARINGS										-

Maintenance schedule (Xciting 250/300i & 250/300Ri models)

Perform the pre-ride inspection (see page 34) at each scheduled maintenance period. This interval should be judged by odometer reading or months, whichever comes first.

Maintenance schedule legend (see page 49 and 50):

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY

C: CLEAN R: REPLACE A: ADJUST L: LUBRICATE

The maintenance schedule on the following two pages specifies the maintenance required to keep your Xciting scooter in peak operating condition. Maintenance work should be performed in accordance with KYMCO standards and specifications by properly trained and equipped technicians. Your KYMCO dealer meets all of these requirements.

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

** In the interest of safety, we recommend these items be serviced only by your KYMCO dealer. KYMCO USA recommends that your KYMCO dealer road test your scooter after each periodic maintenance service is completed.

Maintenance schedule notes (see page 49 and 50):

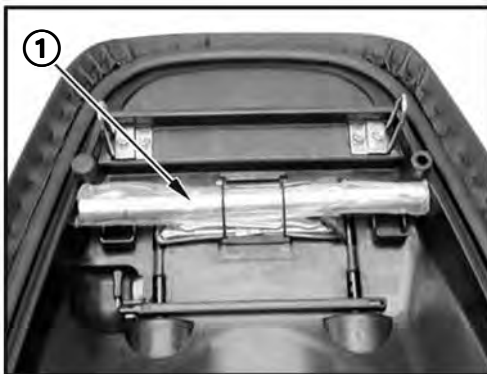
1. At higher odometer readings, repeat at the frequency interval established here.
2. Service more frequently if the scooter is ridden in unusually wet or dusty areas.
3. Service more frequently when riding in rain or at full throttle.
4. Clean every 1,200 mi (2,000 km) after replacement and replace every 3,000 mi (5,000 km).
5. Replace every 1 year, or every 2,400 mi (2,400 km), whichever comes first. Replacement requires mechanical skill.
6. Replace every 6,000 mi (10,000 km) or once a year at very 3,000 mi (5,000 km). Replacement requires mechanical skill.
7. Replace every 2 years. Replacement requires mechanical skill.

FREQUENCY ITEM		WHICHEVER COMES FIRST	ODOMETER READING [NOTE (1)]								
			X 1000 km	0.3	1	3	5	7	9	11	REFER TO PAGE
		MONTH	X 1000 mi	0.2	0.6	1.8	3	4.2	5.4	6.6	
*	AIR CLEANER	NOTE 2			I	R	I	R	I	R	59
	SPARK PLUGS	NOTE 4					R				61
*	THROTTLE OPERATION						I		I		60
*	VALVE CLEARANCE			A		A		A		A	-
*	FUEL LINE						I		I		-
	CRANKCASE BREATHER	NOTE 3			C	C	C	C	C	C	51
	ENGINE OIL			R	R	R	R	R	R	R	52
*	ENGINE OIL STRAINER SCREEN			C		C		C		C	55
*	ENGINE IDLE SPEED					I		I		I	82
	RADIATOR COOLANT	NOTE 6					R				62
*	COOLING SYSTEM						I		I		-
*	SECONDARY AIR SUPPLY SYSTEM						I		I		-

FREQUENCY ITEM		WHICHEVER COMES FIRST		ODOMETER READING [NOTE (1)]								
		↓	→	X 1000 km	0.3	1	3	5	7	9	11	REFER TO PAGE
			X 1000 mi	0.2	0.6	1.8	3	4.2	5.4	6.6		
		NOTE	MONTH			3	6	12	18	24	30	
*	TRANSMISSION OIL	NOTE 5		R			R		R		R	57
*	DRIVE BELT											-
**	CLUTCH SHOE WEAR											-
	BRAKE FLUID	NOTE 7								R		65
	BRAKE PAD WEAR											66
	BRAKE SYSTEM											65
*	BRAKE LIGHT SWITCH											-
	SIDE STAND											67
*	SUSPENSION											64
*	HEADLIGHT AIM											64
*	NUTS, BOLTS, FASTENERS											-
**	WHEELS/TIRES											-
**	STEERING BEARINGS											-

Tool kit

Your scooter has a tool kit that will aid you in the maintenance of your scooter.



The tool kit ① is located under the seat (to open the seat, see page 27).

Crankcase breather drain

Your scooter has a drain tube that permits you to drain water and oil that has condensed in the air cleaner.



When you see that fluid has accumulated in the transparent drain tube ②, remove the plug ③ and drain the fluid into a suitable container. After draining, reinstall the plug.

NOTE: You will need to drain the crankcase breather tube more frequently if you are riding your scooter in the rain, operating it often at full throttle, or after the scooter is washed or overturned. Dispose of this residue in an environmentally appropriate manner.

Engine oil

Engine oil recommendation

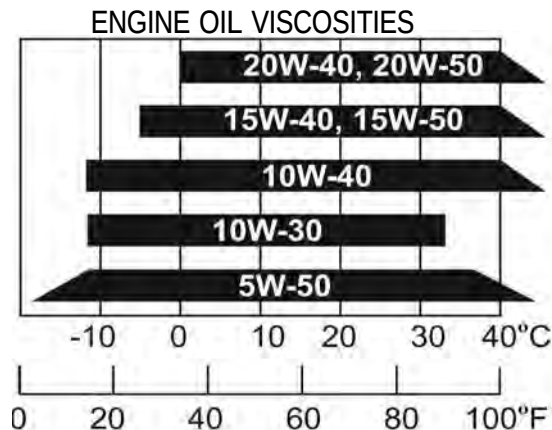
Use a premium quality 4-stroke engine oil to ensure longer service life of your scooter. Only use oils that have a SJ rating per the API service classification.

Engine oil viscosity - Xciting 500i or 500Ri: SAE 5W-50

Engine oil viscosity - Xciting 300i or 300Ri: SAE 15W-40

Engine oil viscosity - Xciting 250i or 250Ri: SAE 15W-40

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



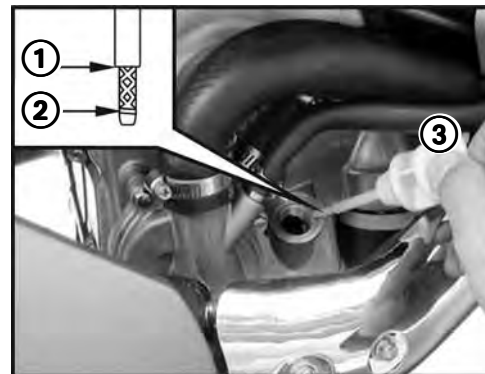
Engine oil capacity - Xciting 500i or 500Ri: 2.1 qt (2.0 L)

Engine oil capacity - Xciting 300i or 300Ri: 0.95 qt (0.9 L)

Engine oil capacity - Xciting 250i or 250Ri: 0.95 qt (0.9 L)

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.



1. Start the engine and let it idle for a few minutes. Make sure the red low oil pressure indicator goes off. If the light remains on, stop the engine immediately.

CAUTION

Running the engine with insufficient oil pressure can cause serious engine damage.

2. Stop the engine and put the scooter on its center stand on level ground.

3. After a few minutes, remove the oil filler cap/dipstick, wipe it clean, and reinsert the oil filler cap/dipstick without screwing it in. Remove the oil filler cap/dipstick. The oil level should be between the upper and lower marks on the oil filler cap/dipstick.
4. If required, add the specified oil (see page 52) so the oil level touches the upper level mark on the dipstick. Do not overfill.
5. Reinstall the oil filler cap/dipstick ③. Check for oil leaks.

WARNING

The engine and related components can become very hot. Use care when inspecting the oil level so you do not burn yourself. If needed, let the engine and exhaust system cool before working in those areas.

Engine oil replacement

Engine oil quality is the primary factor that affects engine longevity. Change your scooter's engine oil as specified in the maintenance schedule (see page 45 or 48).

NOTE: When riding your scooter in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.

NOTE: Always dispose of used engine oil in an environmentally responsible manner. You should take the drain oil in a sealed container to your local recycling center or service station for reclamation. Do not throw the oil in the trash, pour it on the ground, or pour it down a drain.

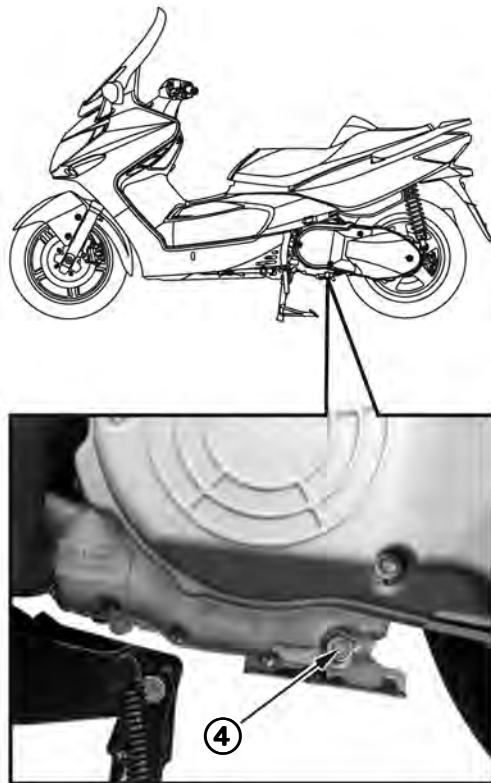
WARNING

Prolonged contact with used engine oil can cause skin cancer. Although rare, this possibly exists if you handle oil on a frequent basis. Thoroughly wash your hands with soap and water as soon as possible after handling used oil.

NOTE: Change the engine oil with the engine at normal operating temperature and the scooter on its center stand to assure complete and rapid draining.



1. Remove the oil filler/dipstick ③ from the right crankcase cover.
2. Place a suitable container (drain pan) under the left crankcase.



3. Remove the oil drain plug ④ from the crankcase to drain the oil.

4. Reinstall the drain plug and tighten it to the specified torque.

Oil drain plug torque: 18 lb-ft (25 N-m)

5. Add oil to the engine per the amounts listed below, and reinstall the oil filler/dipstick.

Engine oil capacity - Xciting 500i or 500Ri: 2.1 qt (2.0 L)

Engine oil capacity - Xciting 300i or 300Ri: 0.95 qt (0.9 L)

Engine oil capacity - Xciting 250i or 250Ri: 0.95 qt (0.9 L)

NOTE: Amounts are after draining the oil only.

6. Start the engine and let it idle for 2 - 3 minutes.
7. Stop the engine and check the oil level on the dipstick when the scooter is parked on the center stand, on level ground.
8. Adjust the oil level as required (so the level reaches the upper mark on the dipstick). Replace the dipstick and inspect for any leaks.

CAUTION

Running the engine with insufficient oil pressure can cause serious engine damage.

WARNING

The engine and related components can become very hot. Use care when inspecting the oil level so you do not burn yourself. If needed, let the engine and exhaust system cool before working in those areas.

Oil filter cartridge service

(Xciting 500i & 500Ri models)

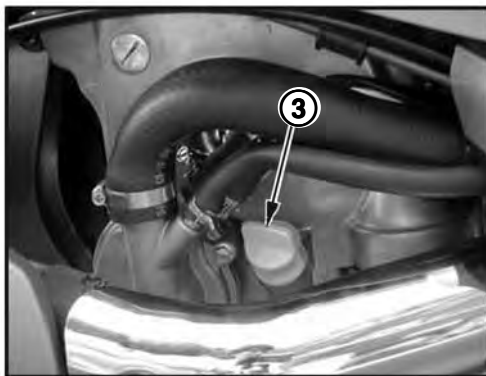
Oil strainer screen service

(Xciting 250/300i & 250/300Ri models)

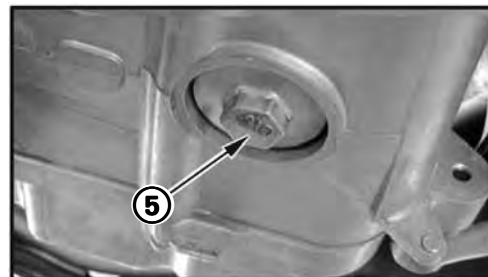
Changing the oil filter cartridge requires a special oil filter cartridge tool and a torque wrench. If you do not have these tools and the necessary technical skill, have this service performed by your KYMCO dealer.

NOTE: If you did not use a torque wrench during this procedure, see your KYMCO dealer as soon as possible so the fasteners and the oil filter cartridge can be checked for proper installation.

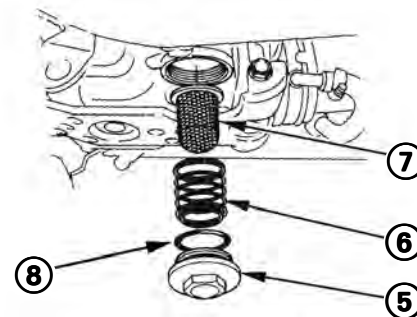
NOTE: Change the engine oil with the engine at normal operating temperature and with the scooter on its center stand to assure complete and rapid draining.



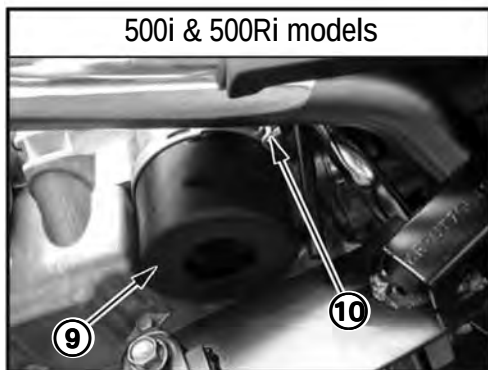
1. Remove the oil filler/dipstick ③ from the right crankcase cover



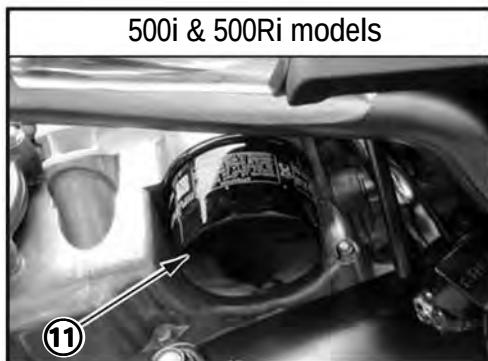
2. Place a drain pan under the crankcase and remove the oil strainer screen cap ⑤.



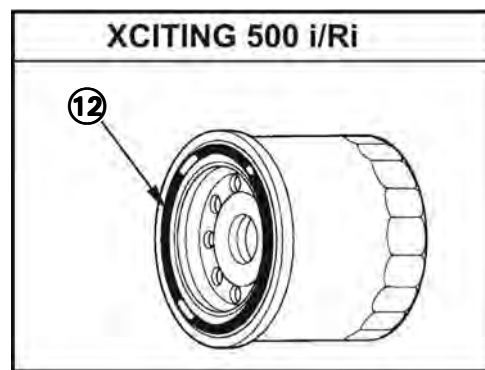
3. The spring ⑥ and the oil strainer screen ⑦ will come out when the cap ⑤ is removed.
4. Clean the oil strainer screen.
5. Make sure the oil strainer screen, the seal on the screen, and the drain plug O-ring ⑧ are in good condition.



6. Xciting 500i & 500RI models: Remove the rubber sleeve ⑧ by removing the clip ⑩.



7. Xciting 500i & 500RI models: Remove the oil filter cartridge ⑪ with a filter wrench, and allow any residual oil to drain out. Discard the oil filter cartridge.



8. Xciting 500i & 500RI models: Apply a thin coat of fresh engine oil to the new oil filter cartridge's rubber seal ⑫.
9. Xciting 500i & 500RI models: Using the KYMCO special tool and a torque wrench, install the new oil filter cartridge and tighten it to the specified torque.

Oil filter cartridge torque: 8 lb-ft (12 N-m)

⚠ CAUTION

Only use a genuine KYMCO genuine oil filter cartridge, or a filter cartridge of equivalent quality, on your scooter. Using the wrong KYMCO filter cartridge, or a non-KYMCO filter cartridge which is not of equivalent quality, may cause engine damage.

10. Install the oil strainer screen, spring and oil strainer screen cap. Tighten the cap to the specified torque.

Oil strainer screen cap torque: 11 lb-ft (15 N-m)

11. Fill the crankcase with the recommended grade engine oil (see page 52).

Engine oil capacity - Xciting 500i or 500Ri: 2.2 qt (2.1 L)

Engine oil capacity - Xciting 300i or 300Ri: 0.95 qt (0.9 L)

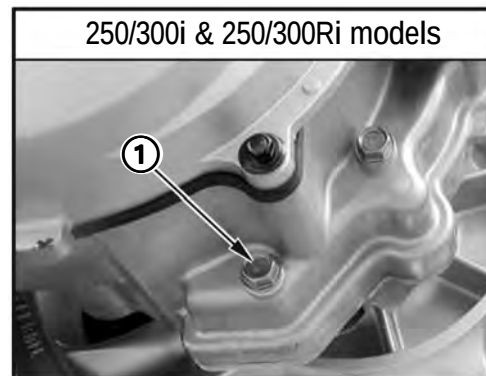
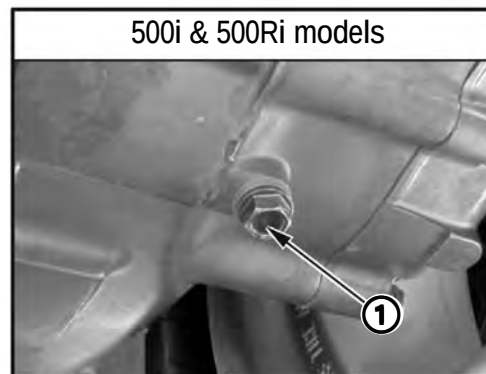
Engine oil capacity - Xciting 250i or 250Ri: 0.95 qt (0.9 L)

NOTE: Amounts are after draining the oil and filter, only.

12. Install the oil filler cap/dipstick.
13. Start the engine and let it idle for 2 - 3 minutes.
14. Stop the engine and check the oil level on the dipstick with the scooter parked on the center stand, on level ground.
15. Adjust the oil level as required (so the oil reaches the upper mark on the dipstick). Replace the dipstick and inspect for any leaks.

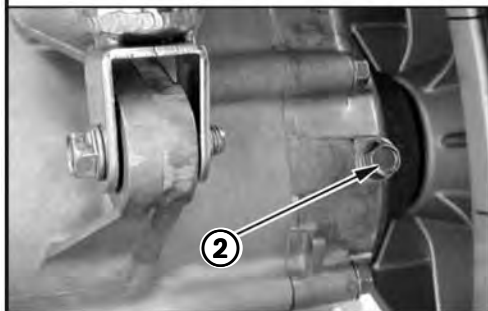
Transmission fluid change

1. Place the scooter on its center stand.



2. Remove the transmission fluid drain bolt ①.

500i & 500Ri models



250/300i & 250/300Ri models



3. Remove the transmission fluid filler bolt (2), then slowly rotate the rear wheel to drain the fluid. After the fluid has drained out, reinstall the drain bolt with a new sealing washer and tighten it to the specified torque.

Transmission fluid drain bolt torque: 15 lb-ft (20 N-m)

4. Fill the transmission with the recommend fluid to the capacity listed below.

Transmission fluid type: SAE 90

Transmission fluid capacity

Xciting 500i or 500Ri: 0.48 qt (0.48 L)

Transmission fluid capacity

Xciting 250i or 250Ri: 0.2 qt (0.18 L)

Xciting 300i or 300Ri: 0.2 qt (0.18 L)

NOTE: Amounts are after draining the fluid, only.

5. Install the transmission filler bolt with a new sealing washer and tighten it to the specified torque.

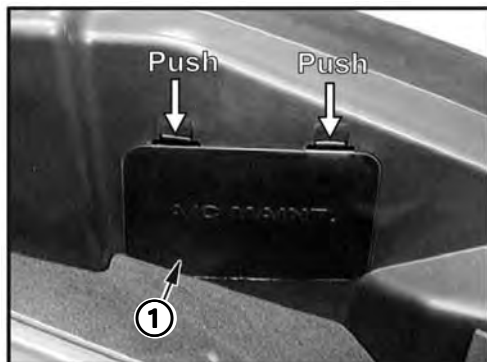
Transmission fluid filler bolt torque: 15 lb-ft (20 N-m)

Air cleaner filter element

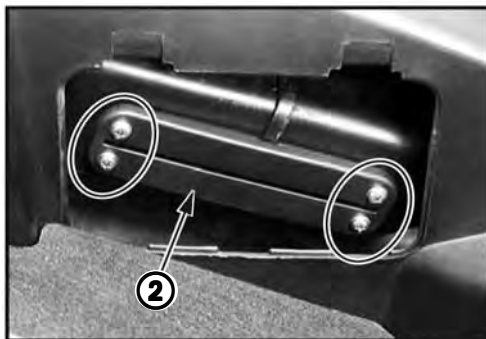
(Xciting 500i and 500Ri models):

The air cleaner filter element should be serviced at regular intervals. Service the element more often when riding in unusually wet or dusty areas.

1. Open seat (see page 27)



2. Remove air cleaner cover (1).



3. Remove the screws and air cleaner case cover (2).



4. Remove the air cleaner element (3) by pulling it out.
5. Discard the air cleaner element.
6. Install a new air cleaner element. Use the KYMCO genuine air cleaner element or an equivalent air cleaner element specified for your scooter.

CAUTION

Using the wrong KYMCO air cleaner element or a non-KYMCO air cleaner element which is not of equivalent quality may cause premature engine wear or performance problems.

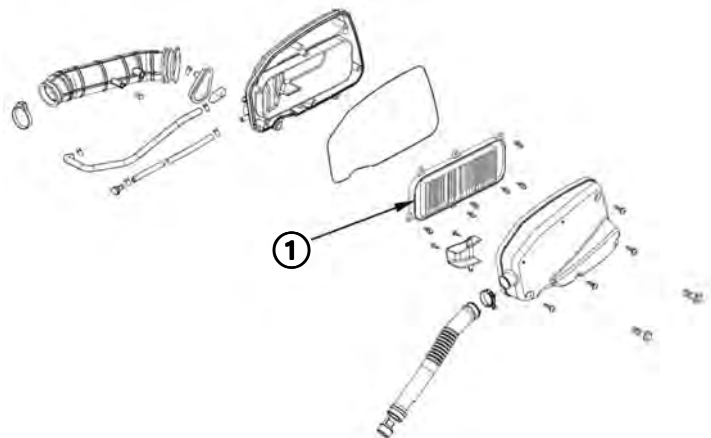
7. Complete the installation by reinstalling the air cleaner parts in the reverse order of removal.

Air cleaner filter element

(Xciting 250/300i & 250/300Ri models):

The air cleaner filter element ① should be serviced at regular intervals by a KYMCO dealer unless you have the proper tools, service data and are technically qualified to do so.

Have the element serviced more often when riding in unusually wet or dusty areas.

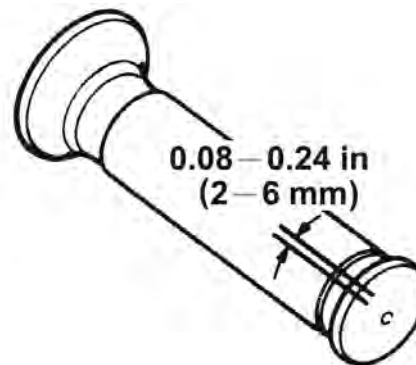


CAUTION

Using the wrong KYMCO air cleaner element or a non-KYMCO air cleaner element which is not of equivalent quality may cause premature engine wear or performance problems.

Throttle operation

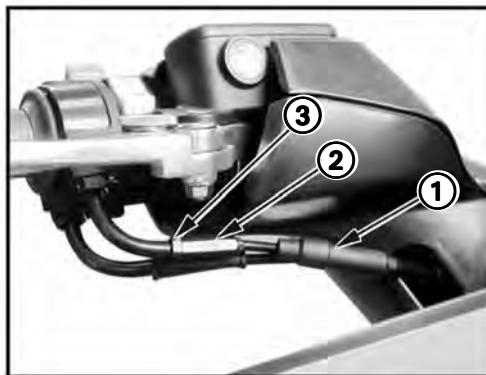
1. Before each ride, check for smooth throttle grip rotation from the fully open to the fully closed position at both full steering positions.



2. Measure the throttle grip free play at the throttle grip flange (per the illustration above).

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

Throttle free play adjustment



1. Slide the rubber sleeve① back to expose the throttle cable adjuster ②.
2. Loosen the lock nut③, then turn the adjuster to obtain the correct free play.
3. Tighten the lock nut and reinstall the sleeve.

Spark plug

Remove the carbon deposits from the spark plug with a small wire brush or a spark plug cleaning machine. After cleaning (or when installing a new spark plug) readjust the spark plug gap to specified limit by using a spark plug gap thickness gauge. The spark plug should be replaced periodically.



Whenever removing the carbon deposits, be sure to observe the color of the removed spark plug's porcelain tip. This color tells you whether or not the standard spark plug is suitable for your type of riding. Under normal usage, a spark plug's porcelain tip should be light brown or tan color. If the spark plug porcelain tip is very white or glazed appearing, then the spark plug has been operating too hot. In such a situation, you should replace the standard spark plug with a spark plug that has a colder heat range (usually a higher number; consult with your KYMCO dealer when selecting an alternate spark plug).



Recommended spark plug

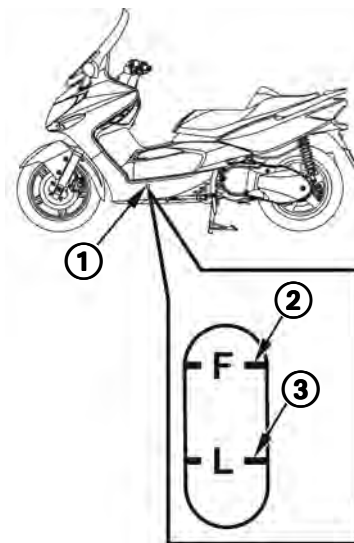
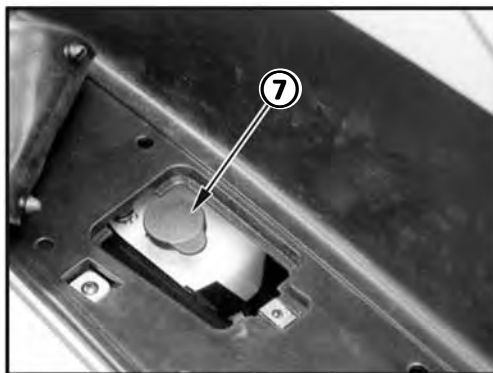
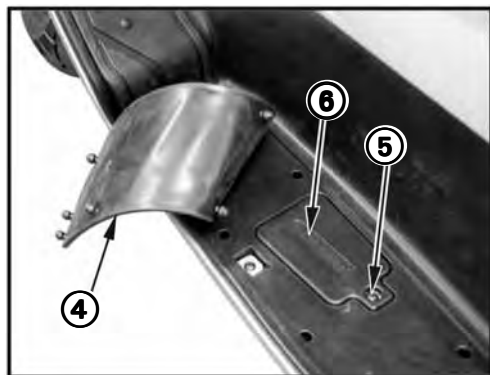
500i or 500Ri models:	CR7E
Spark plug gap:	0.024 - 0.028 in (0.6 - 0.7 mm)
250/300i or 250/300Ri models:	DPR6EA-9
Spark plug gap:	0.032 - 0.036 in (0.8 - 0.9 mm)

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 severe engine damage could result.

Coolant level inspection

The reserve tank is under left floorboard. Check the coolant level through the inspection window ① at the left side skirt while the engine is at the normal operating temperature, with the scooter in an upright position.



If the coolant level is below the LOWER level mark ③, remove the left floor mat ④, remove the lid screw ⑤, the reserve tank lid ⑥, and then the reserve tank cap ⑦ to add coolant mixture until it reaches the upper level mark ②.

NOTE: If the reserve tank is empty, or if coolant loss is excessive during use, check for leaks, and see your KYMCO dealer immediately for repair.

WARNING

Add coolant to the reserve tank only. Do not attempt to add coolant by removing the radiator cap. Coolant in the radiator is under pressure and is very hot and can cause serious burns.

Coolant replacement

The coolant in your scooter should be replaced by a KYMCO dealer, unless you have the proper tools, access to service data, and are technically qualified.

NOTE: Always add coolant to the reserve tank. Do not attempt to add coolant by removing the radiator cap.

WARNING

Removing the radiator cap while the engine is hot can cause the coolant to spray out, seriously scalding you. Always let the engine and radiator cool down before removing the radiator cap.

Coolant recommendation

It is your responsibility to have your scooter serviced so it has the proper type and amount of coolant in the cooling system and engine. The coolant must be in good condition and have the proper ratio of antifreeze and distilled water to prevent freezing, overheating, and corrosion. When servicing the coolant, you should arrange to use only high quality ethylene glycol antifreeze that contains corrosion protection inhibitors specifically formulated for use in aluminum engines (see the antifreeze container label).

A 50:50 solution of antifreeze and distilled water is required for the cooling system of your scooter. This coolant solution is recommended for most operating temperatures and provides good corrosion protection.

CAUTION

Use only low-mineral drinking water or distilled water as a part of the antifreeze solution. Water that is high in mineral content or salt may be harmful to the aluminum engine. Using coolant with silicate inhibitors may cause premature wear of water pump seals or blockage of radiator passages. Using tap water can cause engine damage.

If you are using your scooter in an environment where it will encounter freezing temperatures, you should have a higher concentration of antifreeze installed by your KYMCO dealer to provide additional protection against freezing the engine. This higher concentration should not exceed 60% antifreeze -to- distilled water.

During warmer times, bring the antifreeze ratio back to the standard ratio. A concentration of less than 40:60 (40% antifreeze) will not provide proper corrosion protection.

Front and rear suspension inspection

1. Check the fork assembly by squeezing the front brake lever and pump the fork up and down vigorously. Suspension action should be smooth, and there should be no fluid leakage.
2. Swing arm bearings should be checked by pushing hard against the side of the rear wheel while the scooter is on the center stand. Free play indicates worn bearings.
3. Carefully inspect all front and rear suspension fasteners for tightness.

NOTE: If you discover any irregularities during your suspension inspection, take your scooter to a KYMCO dealer immediately for service.

Side stand

Your scooter's side stand is not only necessary when you park, but it contains an important safety feature. This feature cuts-off the ignition if you try to ride the scooter when the side stand is down. Per the maintenance schedule, you should perform the following side stand inspection.

Physical inspection

Check the spring for damage or loss of tension. Check the metal stand itself to make sure it is not damaged or bent. Check that the stand has free, smooth movement from the UP to the DOWN position.

Interlock function check:

Check the side stand ignition cut-off system:

1. Place the scooter on its center stand.



2. Put the side stand up and start the engine.

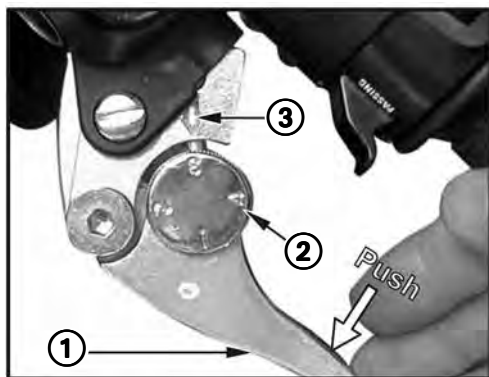


3. Lower the side stand. The engine should stop as you put the side stand down.

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

Brake lever adjusters

There is an adjuster on each brake lever. Each adjuster has four positions so that the released lever position can be adjusted to suit the rider's hands.



To adjust the distance of the lever from the handlebar grip, push the lever ① forward and turn the adjuster knob ② to align the number with the arrow mark ③ on the lever holder.

NOTE: The distance from the grip to the released lever is at its closest at number 4 and the furthest away at number 1.

Brake fluid

Brake fluid level inspection

With the scooter in an upright position, check the front and rear fluid level.



The level should be above the lower level mark. If the level is at or below the lower level mark "L", check the brake pads for wear (see page 66).

NOTE: Other checks - make sure there are no fluid leaks. Check for deterioration or cracks in the hoses and fittings.

WARNING

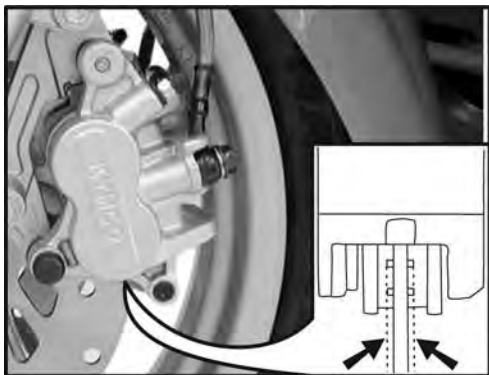
Worn brake pads should be replaced immediately. If the pads are not worn, have your brake system inspected for leaks. Do not ride your scooter unless the brakes are in perfect working order.

Brake fluid type:

DOT 4 (from a sealed container)

Brake pad inspection

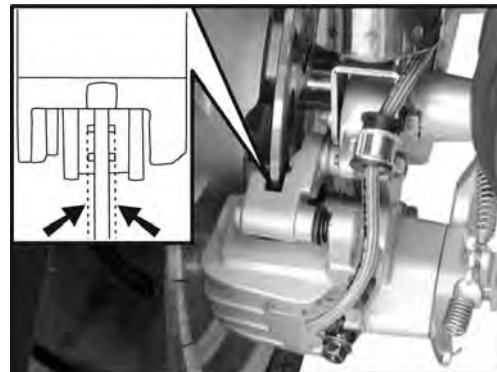
Brake pad wear on your scooter depends upon the severity of usage, the type of riding, and road conditions (generally , the pads will wear faster on wet and dirty roads). Inspect the pads at each regular maintenance interval.



Front right/left brake pads

Check the cutout in each brake pad, the cutout should be visible, indicating that brake pad is not worn down to the brake rotor. If either pad is worn to the cutout, replace both pads as a set.

NOTE: See your KYMCO dealer for brake pad service.



Rear brake pads

Check the cutout in each brake pad. The cutout should be visible indicating that brake pad is not worn down to the brake rotor. If either pad is worn to the cutout, replace both pads as a set.

NOTE: See your KYMCO dealer for brake pad service.

Parking brake inspection

Xciting 500i and 500Ri models

Periodically inspect the parking brake function. Counting the number of notches that the parking brake's ratchet mechanism engages will help you determine if the parking brake requires service.



1. Stop the engine and put the scooter on its center stand on level ground.
2. Pull the parking brake lever slowly and count the number of notches until the lever meets full resistance (the parking brake is engaged).

Standard lever stroke: 3 to 6 notches

NOTE: If adjustment is necessary, have the brake adjusted by your KYMCO dealer.

Battery

Your KYMCO scooter is equipped with a maintenance-free (sealed) type battery so it is not necessary to check the battery's electrolyte level or add distilled water.

NOTE: If your battery seems weak and/or is leaking electrolyte (causing hard starting or other electrical troubles), contact your KYMCO dealer immediately.

CAUTION

Your battery is a maintenance-free type and can be permanently damaged if the cap strip is removed.

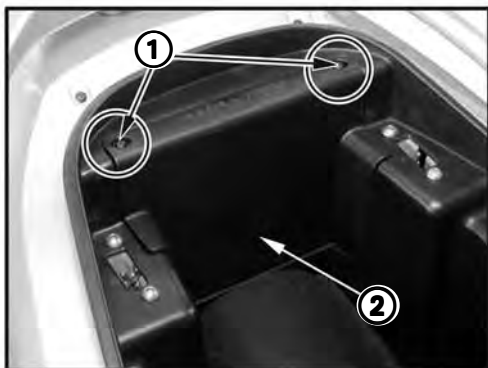
WARNING

Your scooter's battery gives off explosive hydrogen gas during normal operation. A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you. Wear protective clothing and a face shield, or have a qualified technician perform the battery maintenance.

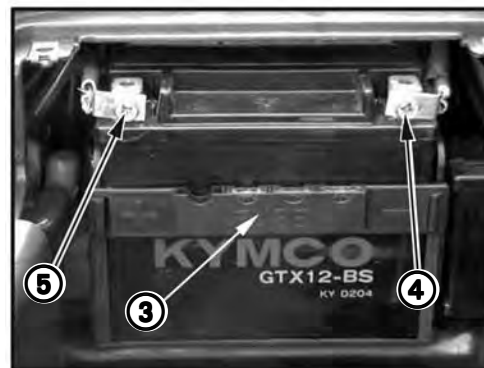
Battery removal

The battery is in the battery box below seat.

NOTE: Always keep ignition switch OFF when servicing the battery.



1. Open the seat (see page 27).
2. Remove the cover screws ① and battery cover ②.



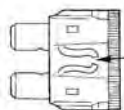
3. Remove the battery retainer ③.
4. Disconnect the negative (-) terminal lead ④ from the battery first, then disconnect the positive (+) terminal lead ⑤.
5. Pull out the battery from the battery box.

Battery installation:

Install in the reverse order of the battery removal: Connect the positive lead (+) first, then the negative lead (-).

Fuses

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



BLOWN FUSE

NOTE: See your KYMCO dealer for electrical system diagnosis and repair.

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 list

30A ... CHARGE fuse protects battery charging system.

15A ... MAIN fuse protects all electrical circuits.

15A ... HEAD-HI/LO fuse protects the headlight high/low beam and high beam indicator light.

10A ... IGNITION fuse protects the ignition system.

10A ... FAN fuse protects the cooling fan motor.

Fuse box (fuse replacement)

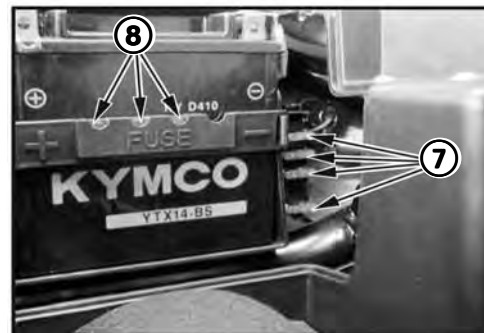
The fuse box is located to left side of the battery in the battery box. The fuses in the box are rated at 10A and 15A.

1. Open the seat (see page 27).

2. Open the battery cover. (see page 68).



3. Open the fuse box cover .



4. Pull out the failed fuse and install a new fuse. Spare fuses are located in the battery retainer.

5. Close the fuse box covers and seat.

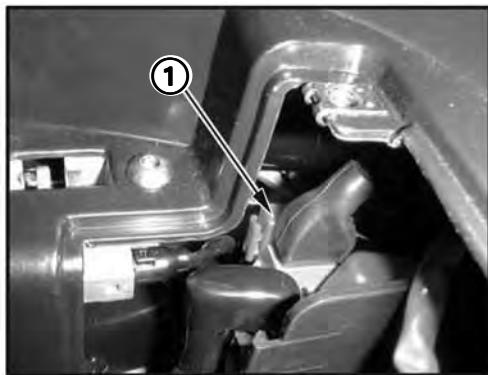
Charge fuse (charge fuse replacement)

The charge fuse is on located on the starter relay near the right side of the battery in the battery box.

NOTE: The charge fuse (and its spare) are rated at 30A

To replace the charge fuse:

1. Open the seat (see page 27).
2. Remove the battery (see page 68).



3. Disconnect the wire connector ① of the relay.



4. Pull out the old fuse ② and install a new fuse. The spare fuse is located in the battery retainer.
5. Reconnect the connector.

Tires

WARNING

Failure to follow these warnings may result in an accident due to tire failure. The tires on your scooter are a crucial link between your scooter and the road. You and your passenger's personal safety are dependant upon the condition of your scooter's tires.

Follow these instructions:

- Check tire condition and pressure, and adjust the inflation pressure before each ride.
- Avoid overloading your scooter.
- Replace a tire when worn to the specified limit, or if you find any damage such as cuts or cracks.
- Always use the proper size and type of tires as specified in this Owner's Manual.
- Balance the wheel after tire installation.
- Read this section of Owner's Manual carefully.

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

Use extra care when riding on new tires as the grip will be limited. Perform proper break-in of the tires, as stated in the break-in recommendation section of this manual. Avoid hard acceleration, hard cornering, and hard braking for the first 100 miles (160 km).

NOTE: Check the tire inflation pressure and tire tread condition at the periods listed in the periodic maintenance schedule. For maximum safety and good tire life, the tire pressures should be inspected more often.

Tire pressure

Insufficient air pressure in the tires not only accelerates tire wear but it also affects the stability of your scooter. Under-inflated tires make smooth cornering difficult and over-inflated tires decrease the amount of tire in contact with the ground which can lead to skids and loss of control. Make sure that the tire pressures on your scooter are within the specified limits at all times. Tire pressure should only be adjusted when the tires are cold.

	Solo riding	Two-up riding
Front	29 psi (2 kgf/cm ² , 200 kpa)	32 psi (2.25 kgf/cm ² , 225 kpa)
Rear	36 psi (2.5 kgf/cm ² , 250 kpa)	36 psi (2.5 kgf/cm ² , 250 kpa)

Tire tread condition

The tire's condition and type affect vehicle performance. Cuts or cracks in the tires can lead to tire failure and can lead to you losing control of your scooter. Worn tires are susceptible to puncture failures and the subsequent loss of control when the tire deflates. Tire wear also affects the tire profile, changing the scooter's handling characteristics.



Check the tire condition each day before you ride your scooter. Replace the tires if they show visual evidence of damage, such as cracks or cuts, or if tread depth is less than 0.06 in (1.6 mm) in the front, 0.08 in (2.0 mm) in the rear.

NOTE: These wear limits will be reached before the wear bars molded into the tire make contact with the road. Measure the depth of the tread, do not rely on a visual inspection only.

When you replace a tire on your scooter, be sure to replace it with a tire of the size listed below. If you use a different size tire, scooter handling may be adversely affected, possibly affecting your ability to control your scooter.

	<i>Front</i>	<i>Rear</i>
Size:	120/70-15	150/70-14
Type:	TUBELESS	TUBELESS

NOTE: Be sure to balance the wheel after repairing a puncture or replacing the tire. Proper wheel balance is important to avoid variable wheel-to-road contact, and to avoid uneven tire wear.

WARNING

An improperly repaired, installed, or balanced tire can cause you to lose control of your scooter or shorten tire life.

- Ask your KYMCO dealer, or a qualified tire specialty shop, to perform tire repair, replacement, and balancing because proper tools and experience are required.
- Always install tires according to the rotation direction shown by arrows on the sidewall of each tire.

 WARNING

Failure to follow this manual's instructions about tubeless tires may result in an accident due to tire failure. Tubeless tires require different service procedures than tube-type tires.

- Tubeless tires require a tight seal between the tire bead and wheel rim. Special tire irons and rim protectors, or a specialized tire mounting machine, must be used for removing and installing tires to prevent tire or rim damage which could result in an air leak.
- Repair puncture in tubeless tires by removing the tire and applying an internal patch. Repairs of this type should only be done by a qualified tire service professional.
- Never use an external repair plug to repair a puncture since the plug may work loose as a result of the cornering forces experienced in a scooter tire.
- After repairing a tire, do not exceed 50 MPH (80 km/h) for the first 24 hours, and then never exceed 80 MPH (130 km/h) thereafter. This is to avoid excessive heat build-up which could cause the repair to fail; resulting in tire deflation.
- Replace the tire if it is punctured in the sidewall area, or if a puncture in the tread area is larger than 3/16 in (6 mm). Punctures of this size cannot be repaired adequately.

Cleaning

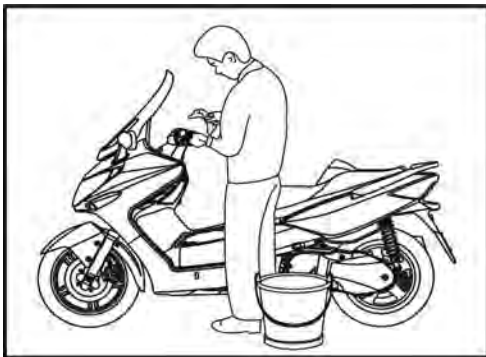
Clean your scooter regularly to protect the surface finishes and inspect for damage, wear, and oil, coolant or brake fluid leakage.

Avoid cleaning products that are not specifically designed for scooter, motorcycle, or automobile surfaces. Non-specific cleaners may contain harsh detergents or chemical solvents that could 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

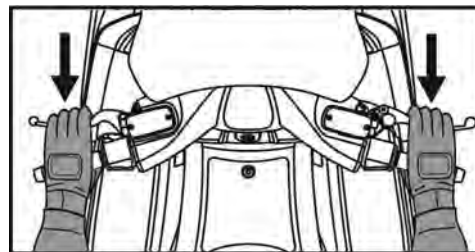
1. Rinse the scooter thoroughly with cool water to remove any loose dirt.
2. Clean the scooter with a sponge or soft cloth using cool water. Avoid directing water at muffler outlets and electrical parts.



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 surfaces.

NOTE: The inside of the headlight lens may be clouded immediately after washing the scooter. Moisture condensation inside the headlight lens will disappear gradually by heat from the headlight. After washing, run the engine while keeping the headlight on to dissipate the condensation.

4. After cleaning, rinse the scooter thoroughly with plenty of clean water . This rinsing is required to remove detergent residue can corrode alloy parts.
5. Dry the scooter and then start the engine, and let it run for several minutes.



6. Test the brakes before riding the scooter . Several applications of the brakes may be necessary to restore normal braking performance.

NOTE: Due to water on the brake components, braking efficiency may be temporarily impaired immediately after washing the scooter. Anticipate longer stopping distance to avoid a possible accident.

Finishing touches:

After washing your scooter , consider using a commercially-available spray cleaner/polish or a quality liquid or paste wax to enhance and protect the paint's finish. Use only a non-abrasive polish or wax made specifically for scooters, motorcycles, or automobiles. Apply the polish or wax according to the instructions on the container.

Clean the windshield

Using plenty of water, clean the windshield with a soft cloth or sponge (avoid using detergents or any kind of chemical cleaner on the windshield). Dry the windshield with a soft, clean cloth.

To avoid possible scratching or other damage, use only water and a soft cloth or sponge to clean the windshield.

For a dirtier windshield, use a diluted neutral detergent with a sponge and plenty of water. Make sure to rinse off all the detergent. (Detergent residue may cause windshield cracks.)

Replace the windshield if scratches cannot be removed and they obstruct clear vision.

Do not let battery fluid, brake fluid or other acid chemicals contact the windshield body trim as they will damage the plastic.

Removing road salt

The salt used in some communities to prevent road icing can become very corrosive to your scooter. Wash your scooter as soon as possible if it comes in contact with road salt (or sea water).

1. Clean the scooter using cool water (see page 74). Do not use warm water; as this will increase the corrosive effect of the salt.
2. Dry the scooter and protect painted and metal surfaces with wax or polish.

Painted aluminum wheel maintenance

Even if protected by paint, aluminum may corrode from contact with dirt, mud, or road salt. Clean the scooter's wheels with a wet sponge and mild detergent. Avoid stiff brushes, steel wool, or cleaners containing abrasives or chemical compounds.

After washing, rinse with plenty of water and dry with a clean cloth. Apply touch-up paint to the wheels where damage has occurred.

Exhaust pipe maintenance

The exhaust system is stainless steel, but it can become stained by oil or mud. If necessary, remove heat stains with a liquid kitchen-counter abrasive.

STORAGE GUIDE

Extended storage, such as for the winter months, requires that you take certain steps to reduce the effects of deterioration from the non-use of your scooter. Whenever possible, perform any necessary periodic maintenance or repairs before storage so the scooter will be in good condition for riding when it is removed from storage.

Storage

1. Change the engine oil and filter.
2. Make sure the cooling system is filled with a 50/50% anti-freeze solution.
3. Drain the carburetor (if equipped) and empty the fuel tank into an approved gasoline container using a commercially available hand siphon or an equivalent method. Spray the inside of the tank with an aerosol rust-inhibiting oil. Close the fuel filler cap on the fuel tank

WARNING

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Stop the engine and keep heat, sparks, and flame away. Refuel the scooter outdoors and wipe up any spills immediately.

4. To prevent rusting in the cylinders, perform the following:
 - Remove the spark plug cap from the spark plug, and use tape or string to secure the caps to any convenient plastic body part so that they are positioned away from the spark plugs.*
 - Remove the spark plugs from the engine and store them in a safe, dry place. Do not connect the spark plugs to the spark plug caps.*
 - Pour a tablespoon (15 - 20 cc) of clean engine oil into each cylinder and cover the spark plug holes with a piece of cloth.*
 - Crank the engine several times to distribute the oil.*
 - Reinstall the spark plugs and spark plug caps.*
5. Remove the battery. Store it in an area protected from freezing temperatures and direct sunlight. Slow charge the battery once a month (use a quality charger designed for use on a maintenance-free type battery).
6. Wash and dry the scooter. Wax all painted surfaces. Coat the chrome or bare aluminum parts with rust inhibiting oil.
7. Inflate the tires to their recommended pressures. Place the scooter on blocks to raise both tires off the ground.
8. Cover the scooter (don't use plastic or other coated materials) and store in an unheated area, free of excessive moisture, with a minimum of daily temperature variation. Do not store the scooter in direct sunlight as the sun's UV rays can damage the body work and other components.

Removal from storage

1. Uncover and clean the scooter.
2. Change the engine oil if more than 1 month has passed since the start of storage.
3. Charge the battery as required (use a quality charger designed for use on a maintenance-free type battery). Install the battery.
4. Drain any excess aerosol rust-inhibiting oil from the fuel tank. Fill the fuel tank with fresh gasoline.
5. Perform all the pre-ride inspection checks (see page 34). Test ride the scooter at low speeds in a safe riding area, away from traffic.

MAINTENANCE RECORD

[illegible]

[illegible]

MAINTENANCE RECORD

[illegible]

[illegible]

Dimensions

Overall length	2250 mm (90 in)
Overall width	815 mm (32.6 in)
Overall height	1450 mm (58 in)
Wheel base	1570 mm (62.8 in)

Weight

Dry weight	215 kg (473 lbs)
------------------	------------------

Capacities

Engine oil (after draining)	2.1 US qt (2.0 L)
(after draining & oil filter change)	2.1 US qt (2.0 L)
(after disassembly)	2.7 US qt (25 L)

Transmission oil (after draining)	0.48 USqt (0.45 L)
(after disassembly)	0.57 US qt (0.5 L)

Fuel tank	(3.38 US gal, 12.8L)
Maximum weight capacity	150 kg (330 lbs)

Engine

Bore and stroke	92 X 75 mm
Compression ratio	10.5:1
Displacement	498.5 cm ³ (30.4 cu-in)

Spark plug	CR7E
Idle speed	1300-1500 min ⁻¹ (rpm)

Chasis

Tire size, front	120/70-15
Tire size, rear	150/70-14

Electrical

Battery	12v-12Ah
Headlight	12v60W/12v55W
Tail/brake light	12v-0.47W LED & (12v4.4W LED)
Turn signal light	12v10W X 4
Position light	12v5W (front) & 12v0.47W LED (rear)

Fuses

Main fuse	30A
Other fuses	10A, 15A

Dimensions

Overall length	2250 mm (90 in)
Overall width	815 mm (32.6 in)
Overall height	1450 mm (58 in)
Wheel base	1570 mm (62.8 in)

Weight

Dry weight	185 kg (407 lbs)
------------------	------------------

Capacities

Engine oil (after draining)	0.95 US qt (0.9 L)
(after draining & oil filter change)	1.2 US qt (1.1 L)

Transmission oil (after draining)	0.2 US qt (0.18 L)
(after disassembly)	0.25 US qt (0.23 L)

Fuel tank	(3.38 US gal, 12.8L)
Maximum weight capacity	150 kg (330 lbs)

Engine (250i & 250Ri)

Bore and stroke	72.7 X 60 mm
Compression ratio	10.6:1
Displacement	249 cm ³ (15.2 cu-in)
Spark plug	DPR6EA-9
Idle speed	1500-1700 min ⁻¹ (rpm)

Engine (300i & 300Ri)

Bore and stroke	72.7 X 65.2 mm
Compression ratio	10.6:1
Displacement	270 cm ³ (16.5 cu-in)
Spark plug	DPR6EA-9
Idle speed	1500-1700 min ⁻¹ (rpm)

Chasis

Tire size, front	120/70-15
Tire size, rear	150/70-14

Electrical

Battery	12v-12Ah
Headlight	12v60W/12v55W
Tail/brake light	12v-0.47W LED & (12v4.4W LED)
Turn signal light	12v10W X 4
Position light	12v5W (front) & 12v0.47W LED (rear)

Fuses

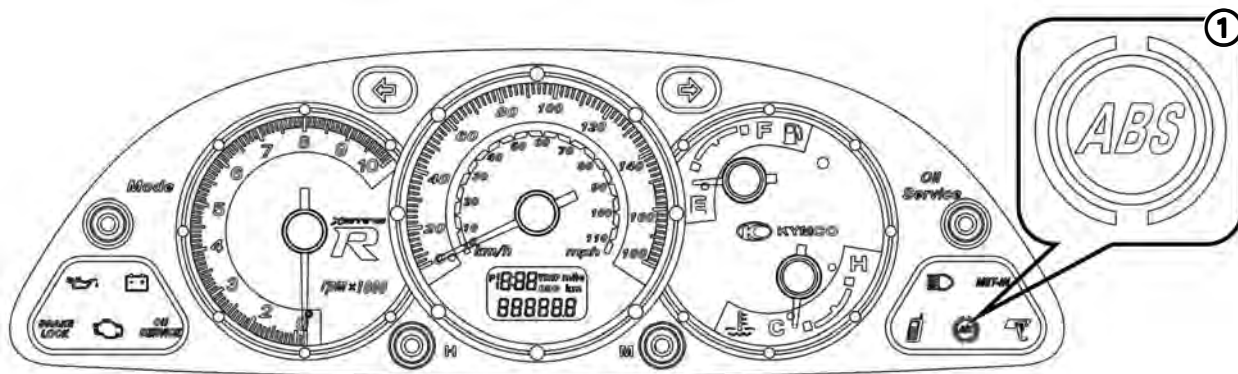
Main fuse	30A
Other fuses	10A, 15A

SECTION 5 - ABS MODEL SUPPLEMENT



Multifunction meter (for Xciting models equipped with ABS)

The ABS indicator light ① is located on the right side of the multifunction meter. This indicator light will self-check itself and the ABS system by illuminating when the ignition switch is turned on, and it turns off shortly after the vehicle starts moving.



If an ABS fault is detected by the system's micro processor, the ABS indicator will illuminate and stay on until the fault is repaired.

If the indicator light is lit and remains on after the scooter is moving, it also indicates that the ABS system is not functioning. Even if there is an ABS system failure, the conventional braking system will still function normally.

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

KYMCO Anti-Lock Brake System(ABS) Introduction

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

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

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 be caused 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.

- The ABS microprocessor (computer) compares the vehicle's speed with wheel speed. Since tires of a different size than those recommended by KYMCO can affect wheel speed, they may confuse the microprocessor, which can then extend the braking distance.

WARNING

Use of non-recommended tires 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 tires for your scooter.

NOTE:

- When ABS is functioning, you may feel a pulsation in the brake lever - this is normal. Continue to brake normally.
- ABS does not function at road speeds of approximately 6 MPH (10km/h) or less.
- ABS does not function if the battery voltage is very low, or there is a power supply interruption. The ABS indication light will come on in such instances.

Crankcase Emission Control System

Your Xciting scooter's engine is equipped with a closed crankcase system. Blow-by gases are routed back in to the combustion chamber via the intake system. This system does not allow the blow-by gases to enter the atmosphere.

Exhaust Emission Control System

The exhaust emissions from your Xciting scooter are controlled by engine design, factory-set fuel delivery, ignition settings, and exhaust system design. This system also includes a catalyzer in the exhaust system.

Noise Exhaust Emission Control System

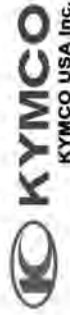
The engine, intake and exhaust systems of your Xciting scooter were designed to comply with federal, state and local noise level requirements. Do not modify the engine ,intake or exhaust components, as doing so will affect compliance these noise level requirements.

Please do not modify or change any KYMCO-designed components that may alter the sound or emission level from your Xciting scooter.

KYMCO LIMITED WARRANTY NOISE EMISSIONS

KYMCO USA Inc, 5 Stan Perkins Road, Spartanburg, SC29307, USA warrants that this vehicle was designed, manufactured and equipped so that when new , it would conform with the applicable Motorcycle Noise Regulations of the U.S. EP A Environmental Protection Agency.

This warranty is not limited to any particular part, component or system of the vehicle. Defects in design, assembly or in any part, component or system of the vehicle which, at the time of sale to the first purchaser , caused noise emission levels to exceed applicable Federal standards in effect at the time of manufacture, are covered by this warranty .



KYMCO MOTORCYCLE AND SCOOTER LIMITED WARRANTY

KYMCO USA Inc., 5 Stan Perkins Road, Spartanburg, SC 29307, USA warrants for a period of twenty four- (24) months from the date of initial retail purchase from an authorized KYMCO dealer that each new KYMCO motorcycle or scooter shall be free, under normal use and maintenance, from any defect in material and workmanship subject to the following conditions, exclusions, obligations and limitations:

1. **EXCLUSIONS.** The following are specifically excluded from the terms and provisions of this warranty:
 - a. Any KYMCO motorcycle or scooter engaged in competitive racing or related use.
 - b. Any KYMCO motorcycle or scooter utilized for rental purposes.
2. **COVERAGE.** Any material or workmanship found to be defective by KYMCO within the warranty period and limitations shall be repaired without charge for parts or labor at any authorized KYMCO dealer located within the United States of America.
3. **WARRANTY PERIOD.** The warranty is effective from the date of purchase by the original owner with the following limitations:
 - SECTION 1 – All parts and repair labor are covered for the first 365 days.
 - SECTION 2 – Engine and electrical parts and repair labor are covered for the first 540 days.
 - SECTION 3 – Engine parts and repair labor are covered for 730 days.
4. **OWNER'S OBLIGATIONS.** The following obligations must be fulfilled by vehicle's owner to maintain KYMCO warranty coverage:
 - a. Owner must deliver the motorcycle or scooter to an authorized KYMCO dealer or equally qualified service facility for inspection, maintenance, services and adjustments according to the Periodic Maintenance chart contained in the owner's manual.
 - b. All inspection, maintenance services and adjustments are to be performed at the owner's expense.
5. **LIMITATIONS.** This warranty shall not apply to or include any of the following:
 - a. The normal expense of routine maintenance services and adjustments. This also includes parts that require replacement due to normal wear, such as spark plugs, drive chains, belt drives, air cleaner elements, brake shoes, cables, fuses, oils, coolants and tires.
 - b. Damage from the lack of periodic maintenance, or damage resulting from repairs, adjustments, maintenance operations, or the use of non-genuine parts or accessories; fuel or fluids that do not follow KYMCO service recommendations.
 - c. Damage caused by collision, improper operation, or caused by loading beyond the vehicle's rated load capacity.
 - d. Damage caused by modifications made to the vehicle to increase performance.
 - e. Damage caused by improper storage or transport, or towing or transportation expenses to move the vehicle to a KYMCO dealer for service or repair.
 - f. Damage caused by natural disasters such as fires, floods, collision or theft, or any damage caused by the passage of time such as fading, peeling or other deterioration caused by outside elements.
 - g. Repair or replacement of worn items caused by the use of the motorcycle or scooter and normal operational characteristics such as engine sounds, vibration, seepage (and other situations not considered defects by KYMCO).
6. **LIMITED LIABILITY.**
 - a. The liability of KYMCO under the twenty four- (24) month warranty is limited solely to the remedying of defects materials or workmanship by an authorized KYMCO dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle or scooter, or transportation of the motorcycle or scooter to or from a KYMCO dealer.

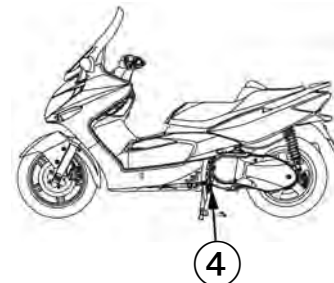
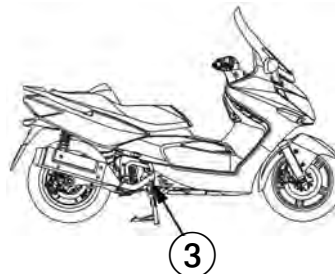
KYMCO SHALL NOT BE LIABLE FOR ANY OTHER EXPENSE, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF, OR INABILITY TO USE, THE KYMCO MOTORCYCLE OR SCOOTER FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

 - a. NO EXPRESS WARRANTY IS GIVEN BY KYMCO WITH RESPECT TO THE KYMCO MOTORCYCLE OR SCOOTER EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY LIMITED TO THE TWENTY FOUR- (24) MONTH WARRANTY TERM SET FORTH HEREIN. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.
 - b. No dealer is authorized to modify this KYMCO Limited motorcycle or scooter Warranty.
7. **LEGAL RIGHTS.** THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Issue Number T500-MC-A1
Revised: June 5, 2008

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Identification Numbers Record



1. IGNITION SWITCH KEY IDENTIFICATION NUMBER

The ignition switch key identification code is stamped on tab ① supplied with the key. If you require a replacement key, you will need this code to obtain a new key from your authorized KYMCO dealer . Record the key number in the box above.

2. IGNITION SWITCH SECURITY SHUTTER KEY IDENTIFICATION NUMBER

The ignition switch security shutter key identification code is stamped on the key ②. Record the key number in the box above.

3. VEHICLE IDENTIFICATION NUMBER (VIN)

4. ENGINE SERIAL NUMBER (ESN)

Record the Vehicle Identification Number ③ and Engine Serial Number ④ in the boxes above for future reference (to assist you in ordering parts from your authorized KYMCO dealer or for reference in case the vehicle is stolen).



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