

Dear KYMCO **MXU 270i EURO** Users:

Thank you for purchasing this KYMCO **MXU 270i EURO** and welcome to the family of KYMCO **MXU 270i EURO** riders. To enjoy safety and more pleasant riding, become thoroughly familiar with this owner manual before you ride the **MXU 270i EURO**. Your safety depends not only on your own alertness and familiarity with the **MXU 270i EURO** but also the ATV mechanical condition. A pre-ride inspection before every outing and regular maintenance are essential. The quality of each KYMCO **MXU 270i EURO** is guaranteed.

Note: The information and specifications stated in this manual are for reference only and subject to change without notice.

WARNING STATEMENT:

AN ADD-ON OR MODIFIED PART MUST BE COMPLIANT WITH APPLICABLE ARB EVAPORATIVE EMISSION CONTROL STANDARDS. A VIOLATION OF THIS REQUIREMENT IS PUNISHABLE BY CIVIL AND/OR CRIMINAL PUNISHMENT.

SAFE RIDING INFORMATION

A collision or a rollover can happen quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

For your safety, understand and follow all of the warnings contained in this Owner's Manual and the labels applied to your ATV. Keep this Owner's Manual with your ATV at all times.

FAILURE TO FOLLOW THE WARNINGS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH.

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

ATTENTION

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

WARNING

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

CAUTION

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

NOTE

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

SAFETY INTRODUCTIONS

FOREWORD

Congratulations, and thank you for your purchase of a KYMCO All-Terrain Vehicle (ATV). Built with American engineering and global manufacturing knowledge, it is designed to provide a superior ride, great comfort, and strong utility capabilities.

This Owner's Manual was produced to ensure that you become aware of safe ATV operating procedures. It also includes information about the general care and maintenance of your ATV.

Carefully read this manual. If you have any questions regarding your ATV, contact an authorized KYMCO ATV dealer for assistance. Remember, only authorized KYMCO ATV dealers have the knowledge and resources to provide you with the best service possible.

PROTECT YOUR SPORT

Being able to use and enjoy your ATV requires you and your family to operate it in a responsible manner. Before riding your ATV you should:

- Learn and adhere to all local and state off-road riding laws
- Respect your ATV and its capabilities and limitations
- Respect the environment and the rights of others

We advise you to strictly follow the recommended maintenance program for your ATV outlined in this manual. This preventative maintenance program was designed to ensure that all of the critical components of your ATV are thoroughly inspected at various intervals.

The information in this manual is based on the latest product data and specifications available at the time of printing. KYMCO Inc. reserves the right to make product changes and improvements which may affect illustrations or explanations without notice.

KYMCO and the ATV Safety Institute recommend that all ATV operators ride an ATV	Age (Years)	Engine Size (cc)	Speed Limitations (MPH)
	6	Up to 70	10 – Governed 15 – Maximum
	10	Up to 90	15 – Governed
	12	Up to 150	30 – Maximum
	14	Up to 300	20 – Governed 38 – Maximum
	16 and Older	Over 300	According to Local Regulations

TABLE OF CONTENT

SAFETY NOTES.....	1	SEAT LATCH.....	29
WARNING INFORMATION	4	FLAG POLE BRACKET	29
PREFACE.....	11	TRAILER HITCH	30
VEHICLE IDENTIFICATION NUMBER (VIN).....	12	DRIVE MODE SELECT LEVER	32
ENGINE SERIAL NUMBER (ESN).....	12	Drive Mode Select Lever Adjustment	35
IGNITION SWITCH & STEERING LOCK KEY.....	13	BRAKES.....	35
Ignition Switch Operation	13	FRONT AND REAR BRAKES	35
Steering Lock Operation	13	FUEL.....	36
INSTRUMENTS & INDICATOR LIGHTS	14	Fill The Gas Tank	37
ODO Meter/ Trip Meter.....	17	Fuel-Related Troubleshooting	38
Digital Clock Adjustment	18	ENGINE OIL.....	39
Speedometer.....	18	Engine Oil Level Check.....	40
Engine Running Time (hour-meter).....	18	Recommended Rear Drive Lubricant	40
Fuel Level Gauge.....	19	TIRES	41
Gear Position Display	19	Measure Tire Pressure.....	42
LEFT HAND HANDLEBAR SWITCHES	20	Tire Wear Limit	42
Starter Button ①.....	20	COOLANT.....	43
Headlight High / Low Switch ②.....	20	SPARK PLUG INSPECTION	43
Engine Stop Switch ③.....	20	THROTTLE LEVER	44
Horn button ④.....	21	FITTINGS AND FASTENERS	44
Hazard Switch ⑤.....	21	LIGHTS.....	44
Turn signal switch ⑥.....	21	SWITCHES.....	44
THROTTLE LEVER	22	OPERATING THE ATV	45
Throttle Lever (Speed Limit) Adjustment.....	22	Starting A Cold Engine.....	45
BRAKES	24	Starting A Warm Engine.....	46
Front& Rear Brake Levers	24	EMERGENCY JUMP STARTING	47
Rear Brake Pedal	24	ENGINE BREAK-IN	48
Rear Parking Brake	26	LOADING	49
Front Parking Brake.....	26	ACCESSORIES.....	51
Parking on a slope.....	27	MOUNTING THE ATV	69
DRIVE MODE SELECT LEVER.....	28	STARTING THE ENGINE	69

TABLE OF CONTENT

RIDING.....	69	Tire Replacement.....	92
PARKING.....	69	Tubeless Tire Repair.....	93
DISMOUNTING YOUR ATV.....	69	BATTERY.....	93
PERIODIC MAINTENANCE.....	71	Battery Removal.....	94
PERIODIC MAINTENANCE CHART.....	72	FUSES.....	95
TOOL KIT/ TOOL KIT COMPARTMENT.....	75	LIGHT BULB REPLACEMENT.....	96
RADIATOR.....	76	Headlight.....	96
SHOCK ABSORBERS.....	76	Taillight/ Brake Light.....	96
ENGINE OIL.....	77	HEADLIGHT BEAM ADJUSTMENT.....	97
Engine Oil Level Measurement.....	77	Headlight Beam Adjuster.....	97
Engine Oil Replacement and Oil Filter Cleaning.....	78	Setting The Headlight Aim.....	97
Engine Oil Replacement.....	79	CONTROL CABLE INSPECTION & LUBRICATION.....	98
TRANSMISSION OIL.....	80	TROUBLESHOOTING.....	99
Transmission Oil Replacement.....	80	Troubleshooting Chart.....	100
REAR FINAL GEAR CASE OIL.....	81	CLEANING YOUR ATV.....	101
Rear final gear oil replacement.....	81	STORE THE ATV.....	103
SPARK PLUG.....	82	Preparation.....	103
AIR CLEANER FILTER.....	83	Preparation Of Your ATV For Riding After Storage..	105
Air Filter Cleaning.....	83	SPECIFICATION CHART.....	106
THROTTLE LEVER ADJUSTMENT.....	85	EXHAUST CONTROL SYSTEM.....	110
BRAKE.....	86	MAINTENANCE RECORD.....	111
Brake Hoses.....	86	IDENTIFICATION NUMBERS RECORD.....	113
Brake Pads.....	86		
Rear Foot Brake.....	86		
Brake Fluid Inspection.....	87		
COOLING SYSTEM INSPECTION.....	88		
Engine Overheating.....	89		
WHEELS.....	90		
Wheel Removal.....	90		
Wheel Installation.....	90		
Tire Tread.....	92		

※ **This publication includes the latest production information available before printing. KYMCO Co., Ltd. reserves the right to make changes at any time without notice and without incurring any obligation.**

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE

SAFETY NOTES

- Always ride slowly and be extra careful when operating your ATV on unfamiliar terrain. Always be alert for changing conditions and terrain when operating your ATV.
- Never operate your ATV on excessively rough, slippery, or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at slow speeds before attempting to turn at faster speeds. Do not turn at an excessive speed.
- Always have your ATV inspected by an authorized KYMCO ATV dealer if it has been involved in an accident.
- Never operate your ATV on hills that are too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills that have slippery or loose surfaces. Shift your weight forward when climbing hills. Never open the throttle suddenly or make sudden gear changes. Never go over the top of any hill at high speed.
- Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Shift your weight backward when descending a hill. Never go down a hill at high speed. Avoid going down a hill at an angle which would cause the ATV to lean sharply to one side. Go straight down the hill where possible.
- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with slippery or loose surfaces. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning techniques described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to either side if pointed straight up-hill. Turn the ATV around and remount it following the procedure described in this manual.

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE

- Always check for obstacles before operating in an area that you are unfamiliar with. Never attempt to operate your ATV over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be alert for conditions that could cause skidding or sliding. On slippery surfaces such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Never operate an ATV in fast flowing water or in water deeper than the footrests. Remember that wet brakes may reduce stopping capability. Test your brakes after leaving water. If necessary, apply them lightly several times to let friction dry out the pads.
- Always be sure there are no obstacles or people behind you when you operate the ATV in reverse. When it is safe to proceed in reverse, go slowly. Avoid turning at sharp angles in reverse.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never improperly install or improperly use accessories on this ATV.
- Never install a twist grip throttle on this ATV.
- Never exceed the stated load capacity for any ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer, and allow greater distance for braking.
- No one under the age of 16 should operate this ATV. Some operators at the age of 16 may not be able to operate an ATV safely. Parents should supervise the use of the ATV at all times. Parents should permit continued use only if they determine that the operator has the ability to operate the ATV safely.

ATV SAFETY ALERT

You should be aware that AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE. An ATV handles differently from other vehicles, including motorcycles and automobiles. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills and over obstacles if you fail to take proper precautions.

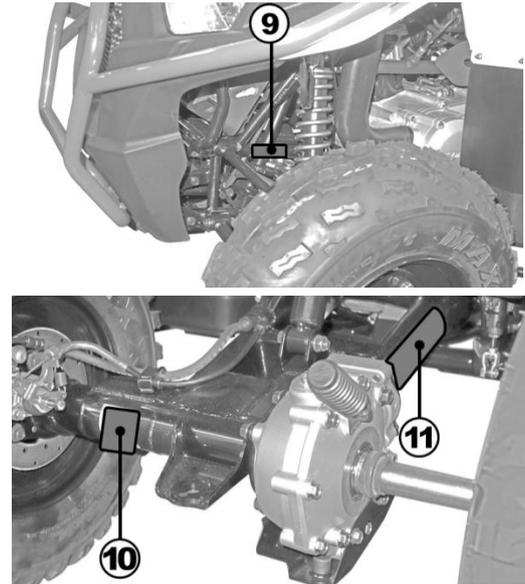
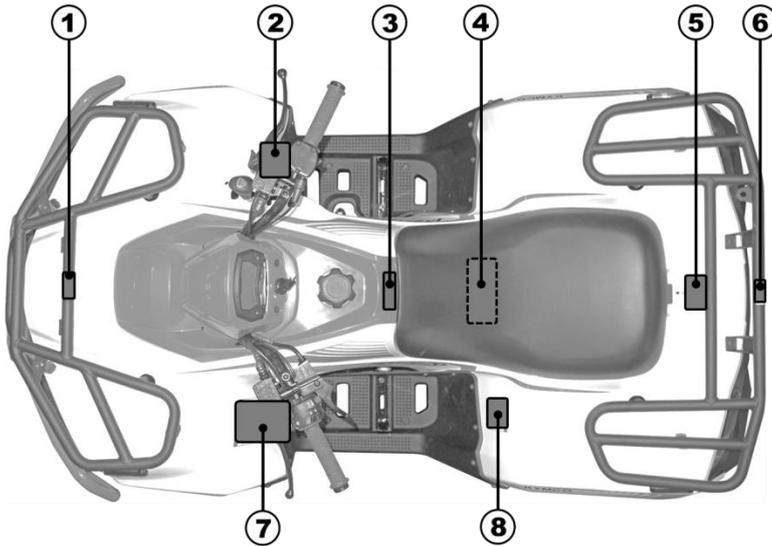
TO AVOID DEATH OR SEVERE PERSONAL INJURY

- Pay special attention to the warnings contained in this manual and on all safety labels on the ATV.
- Never operate an ATV without proper instruction. Beginners and experienced riders should complete a training course.
- Always follow these age recommendations:
 - A child under 12 years of age should never operate an ATV with an engine size 70cc or greater.
 - Children between the ages of 12 and 16 years of age should never operate an ATV with an engine size greater than 90 cc.
 - A child under 16 years of age should never operate an ATV without adult supervision. Children need to be observed carefully because not all children have the strength, size, skills, or judgment to operate an ATV safely.
- Never carry a passenger on an ATV. Carrying a passenger may upset the balance of the ATV, and doing so may cause it to go out of control.
- Avoid paved surfaces. ATVs are not designed to be used on paved surfaces and doing so may seriously affect handling and control.
- Never operate an ATV on a public road, even dirt or gravel one, because you may not be able to avoid colliding with other vehicles. Also, operating an ATV on a public road may be against the law.
- Never operate an ATV without an approved motorcycle helmet, eye protection, boots, gloves, long pants, and a long-sleeved shirt or jacket.
- Never consume alcohol or drugs before or while operating an ATV.
- Never operate an ATV at excessive speeds. Go at a speed which is proper for the terrain, visibility conditions, and your experience.
- Never attempt to do wheelies, jumps, or other stunts.
- Always be careful when operating an ATV, especially when approaching hills, turns, and obstacles, and when operating on unfamiliar or rough terrain.
- Never loan your ATV to anyone who has not taken a training course or has not been driving an ATV for at least a year.

ATV SAFETY ALERT

WARNING INFORMATION

Your KYMCO ATV comes equipped with hangtags and several labels containing important safety information. Anyone who rides this ATV should read and understand this information before operating the vehicle. Like this manual, these labels and tags contain important information that is vital to the safe and proper operation of your ATV. Warning and information labels should be considered permanent parts of the vehicle. If a label comes off or become illegible, contact your KYMCO dealer for immediate replacement.



ATV SAFETY ALERT

1  **CAUTION**

- Never carry passenger on this carrier.
- Maximum load: 20 Kg (44 lbs)

LLB1-E10

3 **CAUTION**

BEFORE SHIFTING, YOU MUST COME TO A COMPLETE STOP AND RETURN ENGINE SPEED TO IDLE, OTHERWISE THE TRANSMISSION MAY BE DAMAGED*

87322-LBA7-E01

6  **CAUTION**

- Never carry passenger on this carrier.
- Maximum load: 30 Kg (66 lbs)

87556-LCA5-E00

2  **WARNING**



UNDER 14

Operation of this ATV by children under the age of 14 increases the risk of severe injury or death.

Adult supervision required for children under age 16.

NEVER permit children under age 14 to operate this ATV.

1411-377

5  **WARNING**

NEVER ride as a passenger.



Passengers can cause a loss of control, resulting in **SEVERE INJURY** or **DEATH**.

1411-809

7  **WARNING**

Improper ATV use can result in **SEVERE INJURY** or **DEATH**



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER USE ON PUBLIC ROADS



NEVER CARRY PASSENGERS



NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger-passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL FOLLOW ALL INSTRUCTIONS AND WARNINGS

87515-LFE8-E00

4 **VEHICLE EVAPORATIVE EMISSION CONTROL INFORMATION**

EVAPORATIVE FAMILY NAME: LKYMU0008MXU
EVAP EMISSION CONTROL SYSTEM: EVAP Canister, EVAP Canister Purge Valve
TUNE-UP SPECIFICATIONS: NO OTHER ADJUSTMENTS NEEDED

MODEL NAME: MXU 270 Euro

THIS OFF-ROAD ALL TERRAIN VEHICLE CONFORMS TO CALIFORNIA EMISSIONS REGULATIONS APPLICABLE TO 2020 MODEL-YEAR NEW OFF-ROAD ALL TERRAIN VEHICLES & IS CERTIFIED TO 1 GRAM TOG/DAY EVAPORATIVE EMISSION STANDARD IN CALIFORNIA.

KWANG YANG MOTOR CO., LTD
TAIWAN



KYMCO USA Inc.
Spartanburg, SC 29307 USA

87234-AHH8-M31

ATV SAFETY ALERT

8  **WARNING**

Improper tire pressure or overloading can cause loss of control. Loss of control can result in severe injury or death.

- Cold tire pressure:
 - Front: 4.0 psi (27.6 kPa)
 - Rear: 3.5 psi (24.1 kPa)
- Maximum weight capacity: 400 lbs (182 kg)

1411-805

9

Manufactured by KWANG YANG MOTOR CO., LTD. (KYMCO) KWANG YANG MOTOR CO., LTD. (KYMCO) certifies that this ATV complies with the American National Standard for Four Wheel All-Terrain Vehicles, ANSI/SVIA 1-2017 Standard, and is subject to the KYMCO Action Plan on file with the U.S. Consumer Product Safety Commission.

87666-LEG2-M31

10  **WARNING**

Exceeding vehicle's towing limit could cause an accident. Reduce speed when towing a trailer. Read operator's manual for details.

MAXIMUM TONGUE WEIGHT:
35 lbs.(16 kg)

MAXIMUM TOWING CAPACITY:
500 lbs.(227kg)

1411-102

11 **VEHICLE EMISSION CONTROL INFORMATION**

<p>ENGINE DISPLACEMENT: 271cc ENGINE FAMILY: LKYMXX.271MXU PERMEATION FAMILY: LKYMPP403B03 THIS VEHICLE IS CERTIFIED TO OPERATE ON GASOLINE. THIS VEHICLE MEETS U.S. EPA AND CALIFORNIA REGULATIONS FOR 2020 MODEL YEAR NEW ATVS AND IS CERTIFIED TO 1.5 G/KM HC+NOX, 35 G/KM CO AND 1.2 G/KM HC, 15.0 G/KM CO EXHAUST EMISSION STANDARD IN CALIFORNIA.</p> <p>ENGINE EXHAUST CONTROL SYSTEM: TBI, HO2S</p> <p>KWANG YANG MOTOR CO., LTD TAIWAN</p>	<p>ENGINE TUNEUP SPECIFICATIONS: IGNITION TIMING: NOT ADJUSTABLE IDLE SPEED: 1600 ± 100rpm IN NEUTRAL IDLE MIXTURE: NOT ADJUSTABLE VALVE CLEARANCE: INTAKE & EXHAUST: 0.10 ± 0.02mm</p> <p>SPARK PLUG: NGK DPR7EA-9 SPARK PLUG GAP: 0.8~0.9mm FUEL: UNLEADED GASOLINE ONLY -87(R+M)/2 OCTANE OIL: 10W-30 (SEE OWNER'S MANUAL) MANUFACTURED: / (MONTH/YEAR)</p> <p>KYMCO USA Inc. Spartanburg, SC 29307 USA</p>
--	---

87234-AHH8-M30

ATV SAFETY ALERT

Hang Tag

THIS HANGTAG IS NOT TO BE REMOVED BEFORE SALE

TRANSITIONAL MODEL

THIS ATV IS FOR RECREATIONAL USE BY ADULTS OR YOUNG OPERATORS UNDER ADULT SUPERVISION

OPERATOR ONLY-NO PASSENGERS

NO OPERATOR UNDER AGE 14

THIS CATEGORY T (TRANSITION) ATV IS DESIGNED FOR OFF-ROAD USE. IT IS FOR GENERAL RECREATION UNDER ADULT SUPERVISION.

EVEN THOUGH A CHILD IS OF THE RECOMMENDED AGE TO OPERATE A PARTICULAR SIZE ATV, NOT ALL CHILDREN HAVE THE STRENGTH, SKILLS OR JUDGEMENT NEEDED TO OPERATE AN ATV SAFELY. PARENTS SHOULD SUPERVISE THEIR CHILD'S OPERATION OF THE ATV AT ALL TIMES. PARENTS SHOULD PERMIT CONTINUED USE ONLY IF THEY DETERMINE THAT THEIR CHILD HAS THE ABILITY AND JUDGEMENT TO OPERATE THE ATV SAFELY.

TRAINING COURSES TO TEACH ATV RIDING SKILLS ARE AVAILABLE. FOR INFORMATION CONTACT YOUR DEALER.

CHECK WITH YOUR DEALER TO FIND OUT ABOUT STATE OR LOCAL LAWS REGARDING ATV OPERATION.

87522-PWA8-E00

THIS HANGTAG IS NOT TO BE REMOVED BEFORE SALE

WARNING

Improper ATV use can result in SEVERE INJURY or DEATH



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR NEVER USE ON PUBLIC ROADS NEVER CARRY PASSENGERS NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL
FOLLOW ALL INSTRUCTIONS AND WARNINGS

87522-PWA8-E00


KYMCO

MODEL:MXU 270 Euro
271 cc 4-Stroke,TBI,TWC,H02S

**KYMCO CARES ABOUT THE ENVIRONMENT !
'0' IS THE CLEANEST AND '10' THE LEAST CLEAN ALLOWED;
YOUR ATV IS A '4.5'.**


KYMCO

Kwang Yang Motor Co., Ltd.
Taiwan R.O.C.

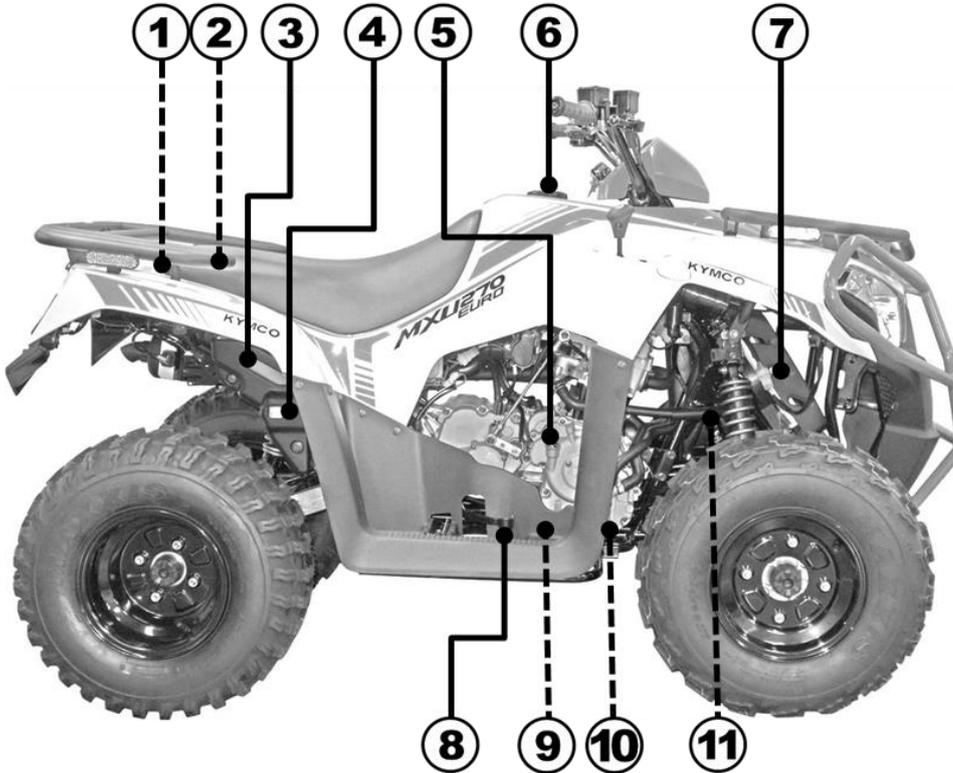
KYMCO USA Inc.
Spartanburg, SC 29307 USA

87522-AHH8-M30



WARNING STATEMENT:
THE REMOVAL OR MODIFICATION OF EMISSION-RELATED PARTS ON THIS OHRV IS ILLEGAL. VIOLATORS MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES AS PROVIDED UNDER CALIFORNIA AND FEDERAL LAW.

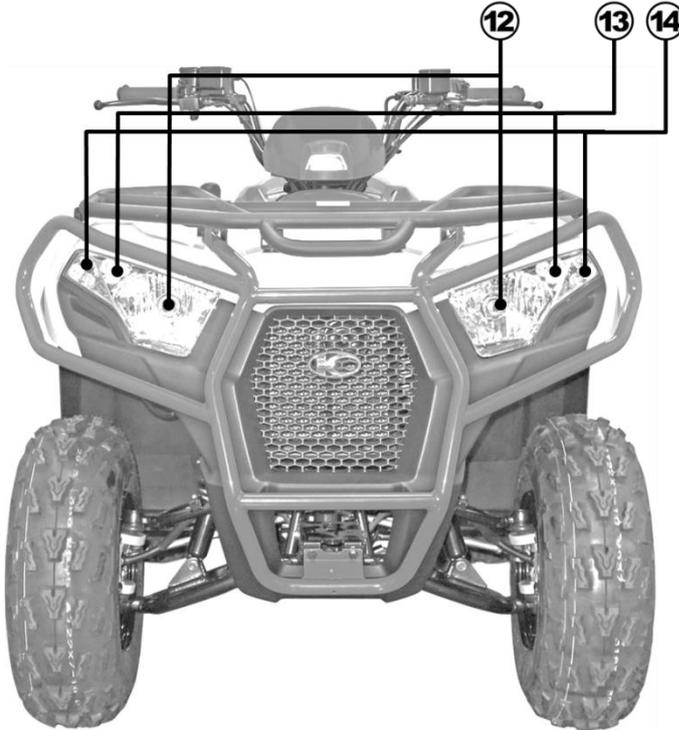
LOCATION OF PARTS AND CONTROLS



1. Seat Latch
2. Battery & Fuses
3. Coolant Reservoir
4. Foot Brake Fluid
5. Engine oil fill cap
6. Fuel Tank Cap
7. Radiator
8. Foot Brake
9. Engine oil filter cap
10. Engine oil drain plug
11. Steering Lock

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

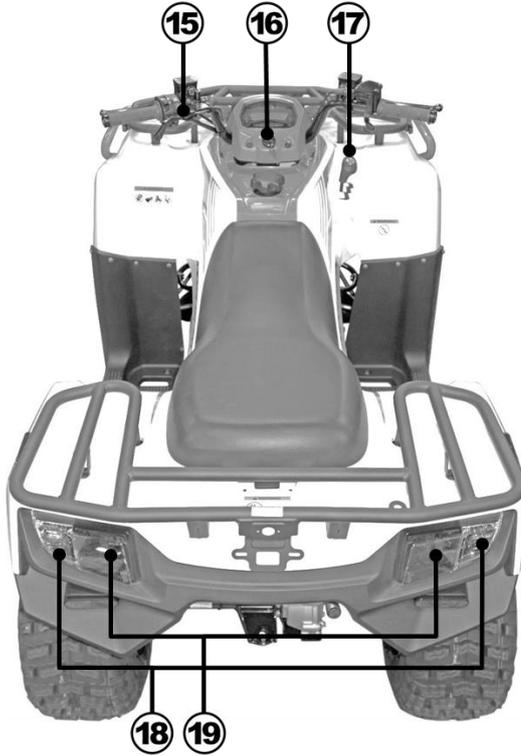
LOCATION OF PARTS AND CONTROLS



- 12. Headlight
- 13. Position light
- 14. Turn signal light

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

LOCATION OF PARTS AND CONTROLS



- 15. Parking brake
- 16. Ignition switch
- 17. Gear shifter
- 18. Rear turn signal light
- 19. Stop light/ Position light

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

CONTROL LOCATIONS & FUNCTIONS

PREFACE

Thank you for choosing this quality KYMCO ATV. It has been designed and manufactured to provide you with reliable and enjoyable operation. This Owner's Manual should be considered a permanent part of your ATV and must remain with the ATV in the event of a resale. If the ATV changes ownership, contact the KYMCO USA Customer Service

Department for information on how to register the new owner. This section of the manual was prepared by the engineers and service staff of KYMCO to provide you with the information required to operate and maintain your ATV. This section also covers rider-related instructions, as well as service and storage instructions. If your ATV ever requires repairs or service, contact an authorized KYMCO ATV dealer for professional service.

As the owner and rider of a KYMCO ATV, you should become thoroughly familiar with your ATV's basic operation, maintenance and storage procedures. Please read and understand the entire Owner's Manual before operating your KYMCO ATV to ensure safe and proper use. Always operate your ATV within your level of skill and current terrain conditions.

At the time of publication, all of the information and illustrations in this manual are technically correct. Some illustrations herein are used to best represent a certain procedure or item and are not intended to depict actual conditions. Because KYMCO is constantly refining and improving its products, there may be differences between the vehicle images and the text depicted in this manual and your ATV. As such, no retroactive obligation shall be incurred.

PARTS AND ACCESSORIES

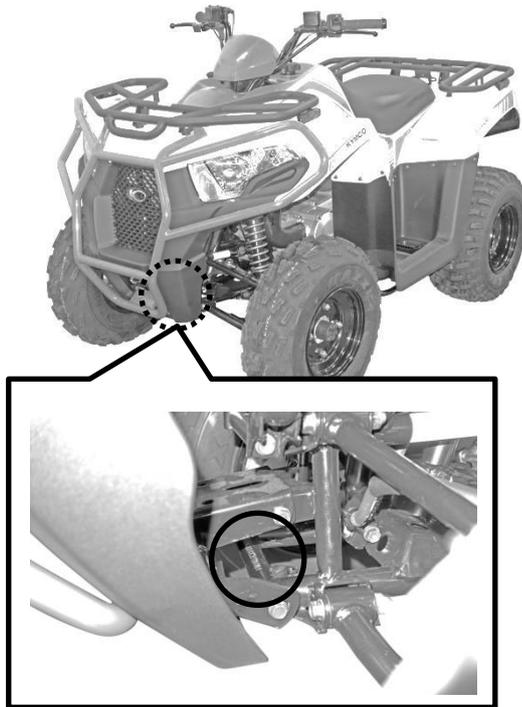
When you need replacement parts, oil, or accessories for your KYMCO ATV, be sure to use only GENUINE KYMCO PARTS AND ACCESSORIES and KYMCO-recommended oil. These items have been engineered and approved to meet the standards and requirements of your KYMCO ATV. For a complete list of accessories, refer to the current KYMCO ATV Accessory Catalog. To aid in service and maintenance procedures on this ATV, a Service Manual and an Illustrated Parts Manual are also available from your local KYMCO ATV dealer.

CONTROL LOCATIONS & FUNCTIONS

VEHICLE IDENTIFICATION NUMBER

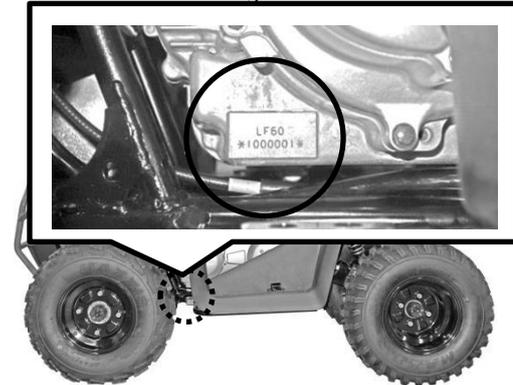
(VIN)

The VIN ① is located on the lower-front cross-member of the frame.



ENGINE SERIAL NUMBER (ESN)

The ESN is located on the back of the engine crankcase and is visible from the side of the engine.



The VIN and ESN are required by your KYMCO dealer to order proper parts, perform service, and to submit warranty claims. Always provide your ATV's year, model, VIN and ESN when contacting an authorized KYMCO ATV dealer for assistance.

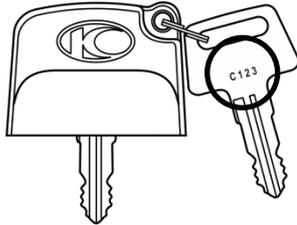
■ **NOTE: Record your VIN and ESN information on the inside, back cover of this manual.**

Warranty repairs will be declined by KYMCO if the VIN or ESN or your ATV have been removed or altered in any way. If your ATV requires a repair that will replace the engine crankcase or the frame, ask you dealer to contact KYMCO to discuss the detail.

CONTROL LOCATIONS & FUNCTIONS

IGNITION SWITCH & STEERING LOCK KEY

Your KYMCO ATV is delivered with two ignition switch keys. Keep the second key as a spare, and store it in a safe place. An identifying number is stamped on each key. Use this number when ordering a replacement key.



Ignition Switch Operation

Use your ATV's key to "unlock" and operate the ignition switch. The ignition switch has two positions.

OFF position - All electrical circuits (except the accessory plug) are off. The engine will not start or run. The key can be removed in this position.

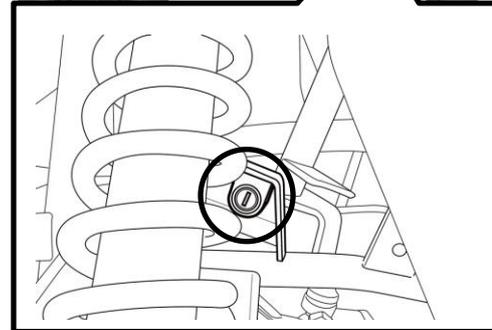
ON position - The ignition circuit is complete and the engine can start and run. The key cannot be removed in this position.

- **NOTE:** The accessory plug is powered by the battery at all times.

Steering Lock Operation

To engage the steering lock, turn the handlebar to the right and rotate the key clockwise in the lock.

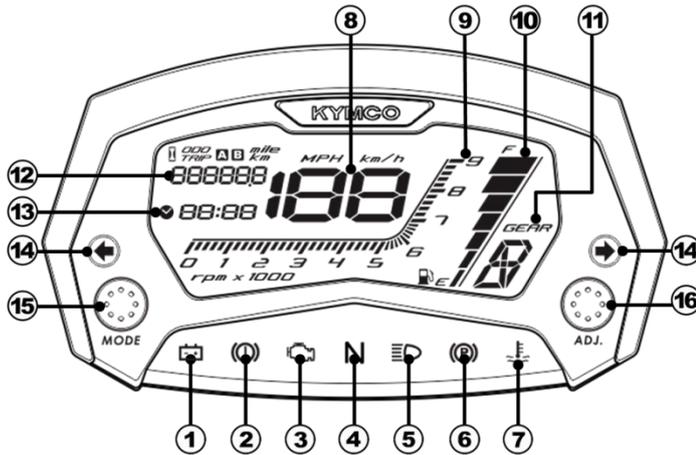
Never engage the steering lock while the engine is running.



CONTROL LOCATIONS & FUNCTIONS

INSTRUMENTS & INDICATOR LIGHTS

The instruments and indicator lights provide you information vital to the safe and proper operation of your ATV.



1. Battery Low Voltage Warning
2. Foot Brake Fluid Level Warning
3. CELP Indicator
4. Neutral Gear Position Indicator
5. High Beam Indicator
6. Parking Brake Indicator
7. Coolant Temperature Warning Indicator
8. Speedometer
9. Engine Tachometer
10. Fuel Gauge
11. Gear Position Indicator
12. ODO meter/ Trip meter
13. Digital Clock
14. Turn Signal Indicator
15. MODE Button
16. ADJ Button

CONTROL LOCATIONS & FUNCTIONS

1. Battery Low Voltage Warning

It flashes when the battery voltage is too low

2. Foot Brake Fluid Level Warning

It flashes when the Foot Brake Fluid Level is too low, you should add some brake fluid to the brake reservoir.

3. CELP Indicator

The CLEP indicator will illuminate if a fault is detected in the ATV's engine, fuel or electrical systems. If the CLEP indicator stays lit, take your ATV to a KYMCO dealer for service as soon as possible.

- **NOTE: To check if the CELP indicator is functioning properly, turn the ignition switch to the "ON" position without starting the engine. The CELP indicator still illuminate, after starting it will clear out. If there is a malfunction the CELP indicator still illuminate,**

4. Neutral Gear Position Indicator

The indicator light up when gear shifts to neutral gear position.

5. High Beam Indicator

The high beam indicator will light up when the headlight switch is turned to High beam.

6. Parking Brake Indicator

It indicates if the parking brake is applied or not.

7. Coolant Temperature Warning Indicator

When the coolant temperature reaches a specified level, this indicator comes on. If the indicator comes on during operation, stop the engine quickly and allow the engine to cool down for about 10 minutes.

8. Speedometer

Indicates the approximate ATV speed in miles per hour (MPH) or kilometers

9. Engine Tachometer

This circular gauge displays the engine's revolutions per minute (RPM) on a calibrated analog dial.

10. Fuel Gauge*

The fuel gauge shows the approximate fuel supply available in a graduated display. The normal operating fuel range is with the section between the segments F to E or fuel indicator. When the low fuel level warning indicator  flashes, fuel will be low and you should refill the tank as soon as possible.

***Read following pages for more information.**

CONTROL LOCATIONS & FUNCTIONS

11. Gear Position Indicator*

Indicates which transmission mode is selected:

R=Reverse N=Neutral L=Low Range H=High Range

12. ODO meter/ Trip Meter*

Displays total miles/ kilometers traveled, or trip miles/ kilometers traveled.

13. Digital Clock*

Display time

14. Turn Signal Indicator

It flashes when the either turn signal is being used.

15. MODE Button

This button is used to select km/h, mph, km or mile settings on the speedometer and trip meter. This button is also used to adjust the clock time and reset the trip meter.

16. ADJ Button

This button is used to select ODO, TRIP A and TRIP B.
This button is also used to adjust the time and reset the trip meter.

***Read following pages for more information.**

CONTROL LOCATIONS & FUNCTIONS

ODO Meter/ Trip Meter

The odometer shows the total mileage in Km or in mile.
The tripmeter shows the trip distance in Km or in mile.

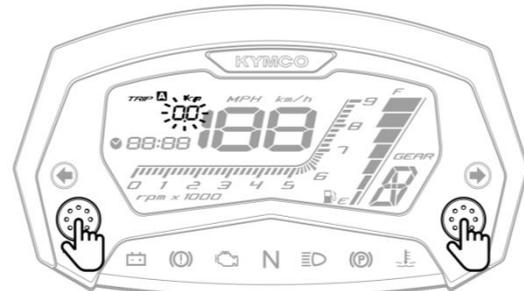
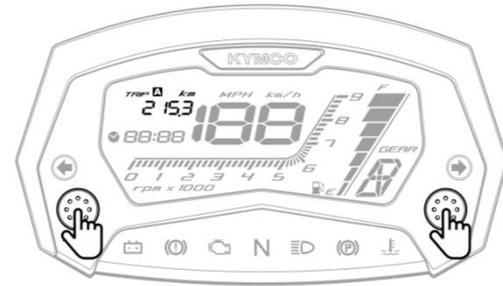


Press ADJ button to display ECU Working Time - Digital Clock Adjustment – ODO - TRIP A - TRIP B in cycles.

Press MODE button to select Miles or kilometer (Km) display.

To Reset The Trip Meter

1. Press ADJ button to select trip meter display.
2. Press and hold the MODE and the ADJ buttons at the same time until the trip meter setting returns to ZERO.



CONTROL LOCATIONS & FUNCTIONS

Digital Clock Adjustment

The clock displays the time (hours and minutes) when the ignition is turned on.

1. Turn on the ignition switch.
2. Press ADJ button to choose Digital Clock Adjusting mode that the clock icon will flash.



3. Press the ADJ button and the MODE button at the same time until the hour digit starts flashing, press the ADJ button to adjust the hour digit.



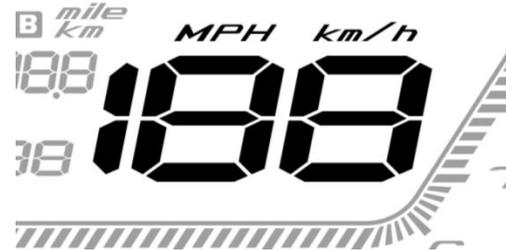
4. Press MODE button to switch to the minute digit adjusting after finish the hour digit adjusting. Adjust the minute digit by press ADJ button.



5. Press the ADJ button and the MODE button at the same time to end the digital clock adjustment.

Speedometer

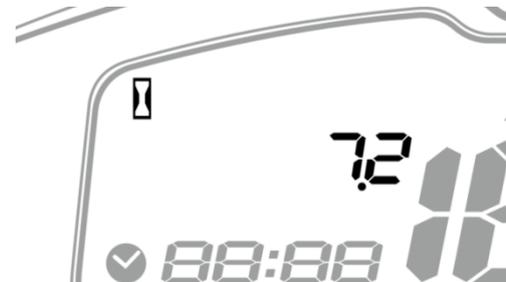
This display shows the riding speed in MPH or km/h.



Press MODE button to toggle between MPH or km/h display.

Engine Running Time (hour-meter)

The hour meter shows total hours that the engine has been operated.

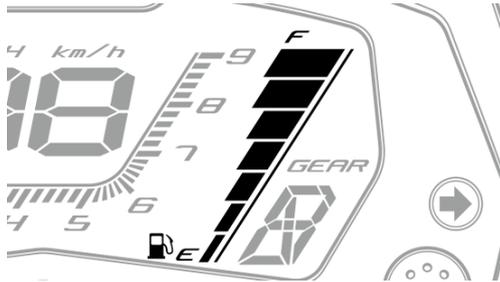


■ NOTE: This meter cannot be reset.

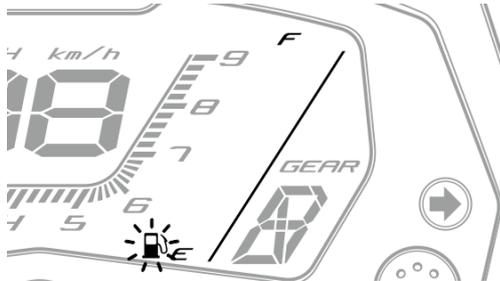
CONTROL LOCATIONS & FUNCTIONS

Fuel Level Gauge

The fuel level gauge shows the approximately fuel supply available via a graduated display. The level will normally range from "F" when the fuel tank is fully filled, to "E" when it is depleted.



When the fuel gauge gets very low, the low fuel level warning indicator will begin to flash to alert you that the fuel tank is needed to fill up immediately



Gear Position Display

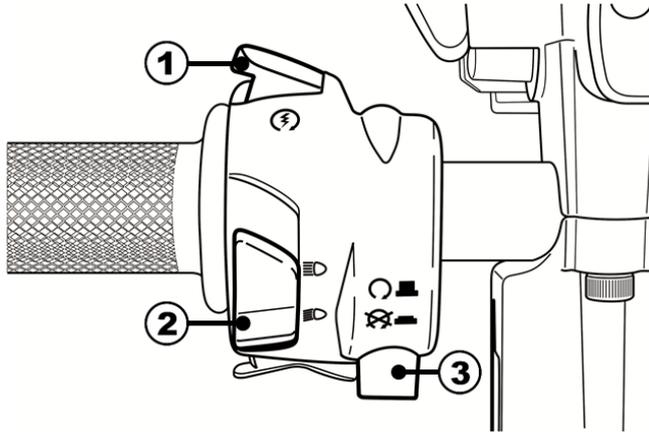
The gear select display shows the gear position of the vehicle.



- **NOTE:** If gear select display shows "E", you may lose control of the transmission shifting. Stop driving immediately and see an authorized KYMCO dealer to check.

CONTROL LOCATIONS & FUNCTIONS

LEFT HAND HANDLEBAR SWITCHES



Starter Button ①

Pressing this button activates the starter motor. Before starting the engine, make sure the ignition switch is in the ON position, the transmission is in neutral, and the parking brake is engaged.

- **NOTE:** Your ATV has a safety feature which prevents starting when the transmission is not in neutral.

▲ CAUTION

Review the starting instructions before starting the engine

Headlight High / Low Switch ②

Use the HI/LO switch to select the high or low headlight beam, or no headlight, when the ignition switch is in the LIGHTS position.

When the switch is in the  position, the high beam will illuminate.

When the switch is in the  position, the low beam will illuminate.

▲ CAUTION

When you turn on the ignition switch and engine is not running the battery may become discharged result to damage.

Engine Stop Switch ③

 Engine Run  Engine Off

The engine stop switch is used to stop the engine in an emergency, such as engine overturns or when the throttle cable is stuck

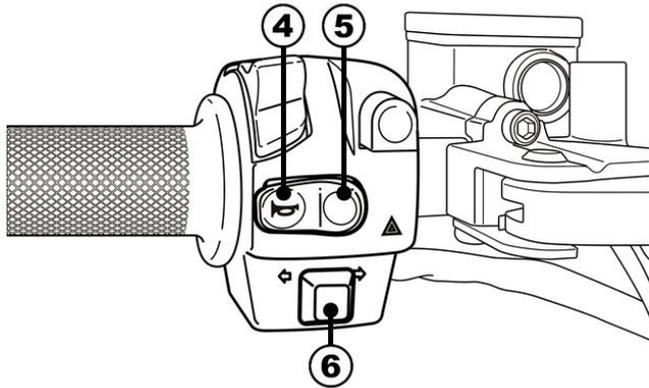
If your ATV is stopped with the ignition switch ON and the engine stop switch OFF the battery will discharge. Turn the ignition switch OFF to prevent the battery discharge.

- **NOTE:** Should normally remain in run  position.

▲ CAUTION

Only use in emergency situation.

CONTROL LOCATIONS & FUNCTIONS



Horn button ④

When the ignition switch is ON, push the horn button and it will sound.

Hazard Switch ⑤

When the hazard switch is pressed, the right and left turn signal lights flash together. When the hazard switch is pressed again, the left turn signal lights go out together.

⚠ CAUTION

Turn on this switch when parking or there is a special condition. After the hazard switch is turned on, it will not reset automatically. Be sure to reset it after use to avoid affecting the traffic safety.

When the signal lights are flashing, the hazard switch does not work.

When the ignition switch is "OFF", the hazard light will still work.

Turn signal switch ⑥

Use the turn signal switch while turning to another direction or shifting to another lane. The turn signal light will flash when the switch is operated and ignition switch is ON.

➡ " For turning to the "LEFT".

⬅ "For turning to the "RIGHT".

The instrument turn signal indicator light will also flash when the switch is operated. Push the switch and it will release.

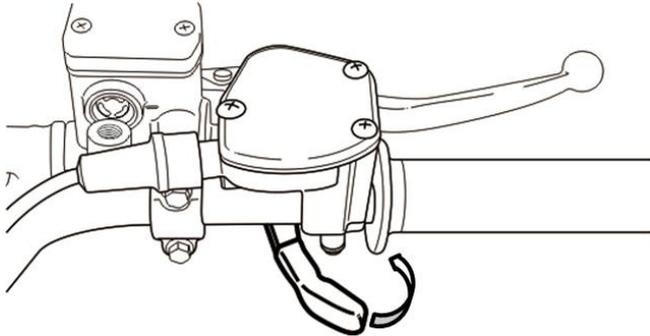
⚠ CAUTION

The turn signal light will not release automatically. Be sure to reset it after use; otherwise it may affect the traffic safety.

The turn signal switch does not work when the ignition switch is "OFF".

CONTROL LOCATIONS & FUNCTIONS

THROTTLE LEVER



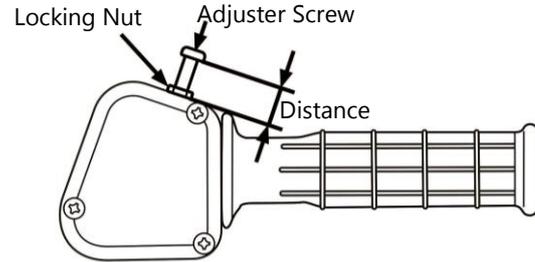
The throttle lever is located below the drive selector switch on the right side of the handlebar.

The position of the throttle lever controls engine output. Operate the throttle lever with your thumb. Push it forward to increase engine RPM, allowing the lever to return to its original position decreases engine RPM.

▲ WARNING

If the throttle malfunctions it will make it difficult to control the speed of the ATV. This could cause an accident. Verify the throttle lever operation before you start the engine. If it does not work smoothly, check for the cause and correct it before riding the ATV. Consult with your KYMCO dealer if you cannot find or resolve the problem yourself.

Throttle Lever (Speed Limit) Adjustment



Throttle lever travel may be limited by adjuster screw. The throttle limiter permits you to adjust the ATV's speed to match the rider's skill and experience.

To adjust the screw, use the following procedure:

1. Loosen the locking nut
2. Turn the adjuster screw clockwise to decrease maximum engine RPM or counterclockwise to increase maximum engine RPM.

The distance varies by models. Refer the information below to make the adjustment.

- 38 MPH model: Control by ECU MAP, Distance $\leq 17.5\text{mm}$
- 30 MPH model: Distance $\leq 9.5\text{mm}$
- 20 MPH model: Distance $\leq 8.5\text{mm}$ (preset)

3. Tighten the locking nut securely after adjustment.

■ **The adjuster screw should not turn out more than required distance.**

CONTROL LOCATIONS & FUNCTIONS

⚠ WARNING

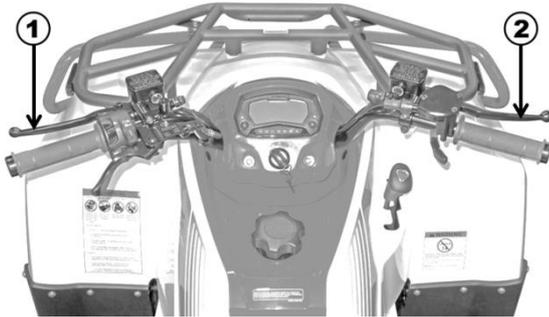
Improper adjustment of the throttle limiter screw can cause damage to the throttle cable. A damaged throttle cable will affect throttle operation and can cause an accident where you can be injured or killed. Use care when adjusting the throttle limiter so the adjuster screw is not turned out more than required distance. Refer to the throttle limiter adjustment plus the throttle lever free play adjustment. If you lack the ability to adjust these items properly, contact your KYMCO dealer for assistance.

- **NOTE:** Your ATV is equipped with an ignition limiter that retards timing when maximum engine RPM is approached. If this RPM limiter is activated, it can be misinterpreted as a high-speed ignition misfire.

CONTROL LOCATIONS & FUNCTIONS

BRAKES

Front & Rear Brake Levers



Your KYMCO ATV is equipped with front and rear hydraulic brakes that can be activated with hand and foot controls.

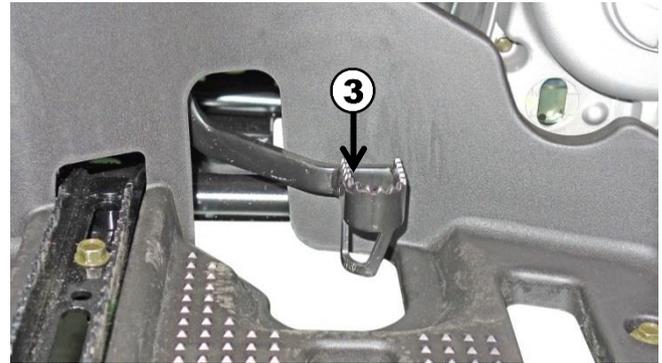
① LEFT HAND BRAKE LEVER - Activates rear brake

② RIGHT HAND BRAKE LEVER - Activates front brakes

The left hand brake ① mounted on the left handlebar activates the rear brake on your ATV. To apply the brake, squeeze the lever towards the handlebar grip.

The hand brake ② mounted on the right handlebar activates the front brakes on your ATV. To apply the front brakes, squeeze the lever towards the handlebar grip.

Rear Brake Pedal



Your vehicle is equipped with front and rear hydraulic brakes that can be activated with hand and foot controls.

③ REAR BRAKE PEDAL - Activates rear brake

The rear brake pedal ③ is mounted in front of the right foot rest. The rear brake pedal activates the rear brake of your ATV.

To apply the brake, press down on the pedal with your foot.

CONTROL LOCATIONS & FUNCTIONS

▲ CAUTION

Using the parking brake in freezing weather may cause the brake to freeze in the locked position.

▲ WARNING

For your safety and to prevent damage to your vehicle or other property, use the parking brake when you are not riding your ATV. If you do not use the parking brake, your ATV could move unexpectedly, especially when you are starting the engine. This could cause an accident or a collision. If you ride the ATV without releasing the parking brake, the brake could overheat causing a failure or causing the brake pads to wear out prematurely. Premature brake wear or a brake system failure could cause an accident. Remember to always set the parking brake when you stop your ATV and keep it engaged as you start the engine. Remember to release the parking brake as you start to ride the ATV.

- **NOTE:** The parking brake must lock the ATV's front wheels. If it does not, take your ATV to an authorized KYMCO ATV dealer for service.

CONTROL LOCATIONS & FUNCTIONS

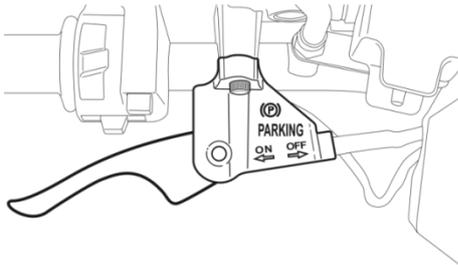
Rear Parking Brake

To set the rear parking brake, move the lever to position (A).

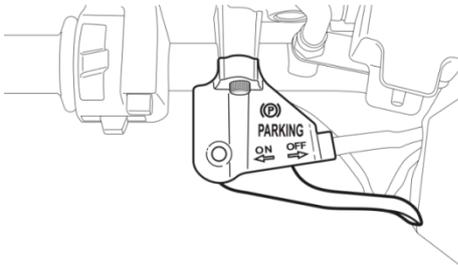
Only set the parking brake when parking and before starting the engine.

To unlock the rear parking brake, move the lever to position (B).

Position (A)



Position (B)

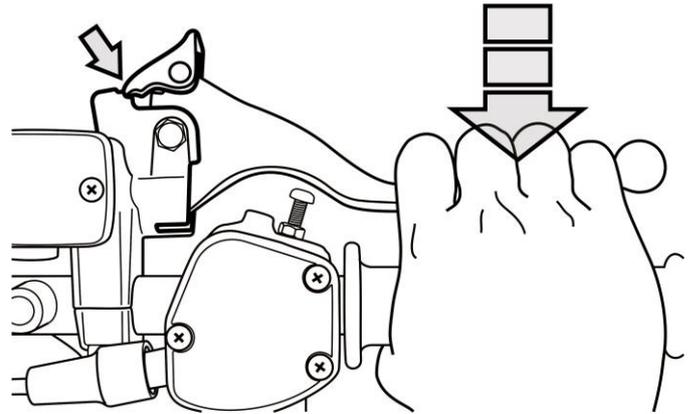


Front Parking Brake

To set the front parking brake, squeeze the front brake lever and lock it with the lock lever. Always set the parking brake when parking and before starting the engine.

To unlock the parking brake, squeeze the front brake lever until the lock lever releases.

Using the parking brake in freezing weather may cause the brakes to freeze in the locked position.



CONTROL LOCATIONS & FUNCTIONS

Parking on a slope

⚠ WARNING

POTENTIAL HAZARD

Parking on a slope or other incline.

WHAT CAN HAPPEN

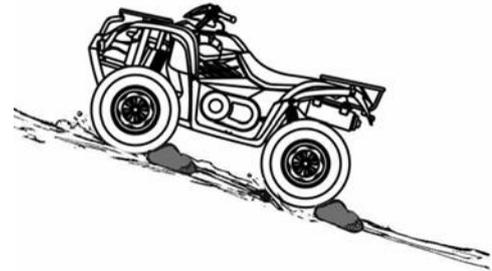
The ATV could roll out of control, increasing the chance of an accident.

HOW TO AVOID THE HAZARD

Avoid parking on slope or other inclines. If you must park on an incline, place the machine transversely across the incline, apply the parking brake, and block the front and rear wheels with rocks or other objects.

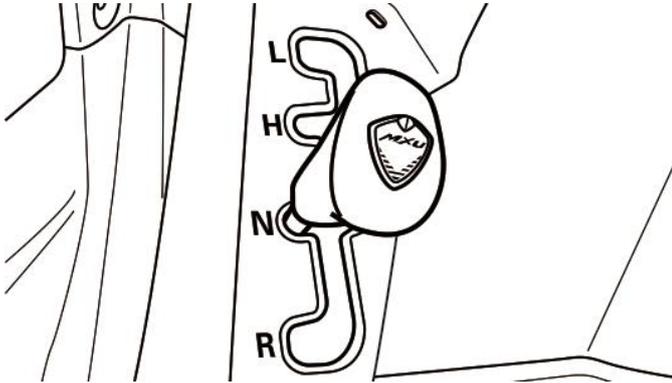
Do not park the ATV at all on slope that are so steep you could not walk up them easily.

1. Bring the machine to a stop by applying the brakes.
2. Stop the engine.
3. With the brake applied, shift the drive select lever into the park position
4. Apply the parking brake.



CONTROL LOCATIONS & FUNCTIONS

DRIVE MODE SELECT LEVER



This KYMCO ATV is equipped with an automatic, dual-range transmission with reverse capability. To shift your ATV into the different drive modes, use the drive model select lever:

1. To engage HIGH (H) range from neutral (N), move the drive mode select lever forward.
2. To engage LOW (L) range from HIGH (H) range, move the lever outward and forward.
3. To engage reverse (R) gear from neutral (N), move the shift lever forward, outward and back to the (R) position.

- **NOTE:** The HIGH range is for normal riding with light loads. The LOW range is for carrying heavy loads or towing. Compared to HIGH range, the LOW range position provides slower speed and greater torque to the wheels.

▲ CAUTION

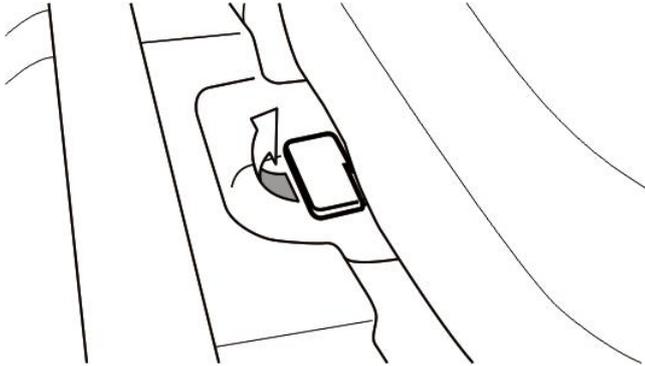
Always shift the transmission into LOW range when operating on wet or uneven terrain, when towing or pushing heavy loads, or when using a plow. Failure to follow this caution may result in premature V-belt failure or other damage to drive system.

▲ CAUTION

Never shift the transmission while your ATV is in motion. Should your ATV be on a surface that is not level, engage the parking brake (brake lever lock) before shifting into another transmission range or into reverse.

CONTROL LOCATIONS & FUNCTIONS

SEAT LATCH



To remove the seat, lift up on the latch① release which located at the rear of the seat, then raise the rear part of the seat and slide it rearward.

To remount the seat, slide the front of the seat into the seat retainers and push down firmly on the rear of seat. The seat should automatically latch into position.

▲ WARNING

Make sure the seat is secure before mounting and riding the ATV. Severe personal injury may result if the seat is not properly secured.

FLAG POLE BRACKET



The rear rack of your ATV is equipped with a flag pole bracket. Flag poles are optional equipment available from your KYMCO dealer. Mounting a flag pole to your ATV, via the flag pole bracket, increases your visibility during operation.

- **NOTE: Flag poles are required safety items in some riding areas. Check the local regulations before riding.**

CONTROL LOCATIONS & FUNCTIONS

TRAILER HITCH

⚠ WARNING

Never use the cargo racks as a towing or trailering point.

Your KYMCO ATV is equipped with a frame-mounted receiver for a standard 5.1 cm (2 in.) receiver hitch. A standard receiver hitch must be purchased separately.

When loading a trailer properly, two items are critical: Gross Trailer Weight (the weight of the trailer plus cargo) and Trailer Tongue Weight.

⚠ WARNING

Make sure that the load in the trailer is properly secured and will not shift while moving. Also, do not overload the trailer's capacity.

⚠ WARNING

NEVER EXCEED ANY OF THE ATV'S WEIGHT RESTRICTIONS

Trailer Tongue Weight is the downward force exerted on the hitch by the trailer coupler when the trailer is fully loaded and the coupler is at its normal towing height.

Always maintain a slow speed when trailering and towing, and avoid sudden accelerations, quick maneuvers, and sudden stops. Braking distance will be affected when towing a trailer, always maintain slow speed and allow for more stopping distance than when not towing a trailer.

⚠ WARNING

Riding your ATV when towing a trailer requires extreme caution or the activity will be hazardous. Trailer towing will affect the handling and braking of your ATV. You should only tow at low speeds and never exceed 10 mph. Avoid sudden accelerations and stopping. Do not make quick maneuvers. Avoid uneven surfaces and do not tow on hills. Never carry passengers in a trailer unless the trailer is designed for such use and has a rigid tow bar. Allow for more stopping distance when towing a trailer.

PRE-RIDE INSPECTION

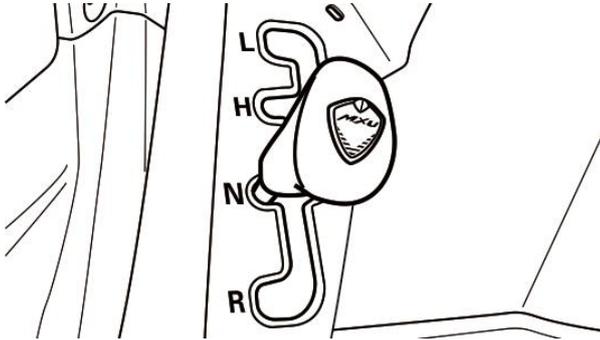
Before using your ATV, perform the checks listed in the table below and on the following pages.

ITEM	ROUTINE
SHIFT LEVER	Check the lever for proper operation.
BRAKE	Check operation, condition, and brake fluid level. Fill with DOT4 brake fluid if necessary.*
FUEL	Check fuel level. Fill with oil if necessary.*
ENGINE OIL, DIFFERENTIAL GEAR OIL	Check fuel level. Fill with fuel if necessary.* Check for leakage.
THROTTLE	Check for proper throttle cable operation.
WHEELS AND TIRES	Check tire pressure. Check for wear and damage.
SWITCHES	Check for proper function.
LIGHTS	Check for proper operation.
COOLANT	Check coolant level. Check for coolant leakage. Fill with coolant if necessary.*

* Only add enough fluid to achieve the recommended fluid level. Do not overfill any fluid.

PRE-RIDE INSPECTION

DRIVE MODE SELECT LEVER



Drive mode selector lever

L - LOW range

H - HIGH range

N - Neutral

R - Reverse mode

▲ CAUTION

Before shifting, you must stop the ATV and return the throttle lever to its fully closed position so the engine will return to proper idle speed. If you do not do so, you may damage the transmission.

Apply the rear brake and shift the drive mode select lever into the position before turning off the engine when parking on an incline. If you park on an incline with the shift lever in H, L or R position, the weight of the vehicle against the wheels will make it difficult to shift into neutral (N). When parked on an incline, always engage the parking brake before shifting the transmission.

SHIFTING: Neutral to HIGH, and HIGH to LOW

1. Bring the ATV to a complete stop and return the throttle lever to the closed position.
2. Apply the brakes, and then shift by moving the select lever along the shift guide to the desired drive mode.

■ **NOTE:** Make sure the drive mode select lever is completely shifted into position. The transmission may not engage properly if the lever is not properly shifted into place.

▲ WARNING

POTENTIAL HAZARD

Failure to inspect the ATV before operation. Failure to properly maintain the ATV.

WHAT CAN HAPPEN

An accident causing personal injury or mechanical damage to the ATV.

HOW TO AVOID THE HAZARD

Always inspect your ATV each time you use it to make sure it is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in this Owner's Manual.

PRE-RIDE INSPECTION

SHIFTING: Neutral to Reverse, and Reverse to Park

1. Bring the ATV to a complete stop and return the throttle lever to the closed position.
2. Apply the brake pedal.
3. Shift from neutral to reverse or from reverse to park, and vice versa, by moving the select lever along the shift guide to the desired drive mode.

■ **NOTE: When in reverse mode, the reverse indicator light should be illuminated on the multifunction display. If it fails to illuminate, see your KYMCO dealer for inspection or repair.**

4. Before moving the ATV in reverse, check behind you for people or obstacles. If clear, release the rear brake pedal.
5. Open the throttle lever gradually and continue to watch to the rear as you back the ATV.

■ **NOTE: Operation in reverse differs significantly from forward driving. Be careful and use small throttle lever movements to maintain proper speed and control of the ATV.**

▲ WARNING

POTENTIAL HAZARD

Improper operation in reverse.

WHAT CAN HAPPEN

You could hit an obstacle or a person behind you, resulting in serious injury.

HOW TO AVOID THE HAZARD

When you shift into reverse, make sure there are no obstacles or people behind you. When it is safe to proceed, go slowly.

PRE-RIDE INSPECTION

⚠ CAUTION

Before shifting, you must stop the ATV and return the throttle lever to its fully closed position so the engine speed will settle to the specified idle speed. Otherwise, the transmission may be damaged.

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV with an improperly adjusted drive mode select lever.

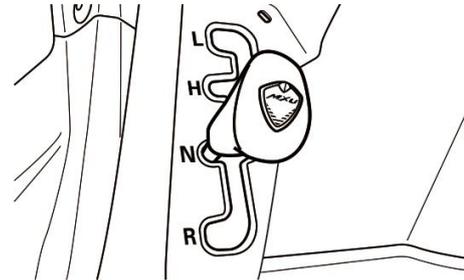
WHAT CAN HAPPEN

You may lose control of the transmission shifting, which could lead to an accident.

HOW TO AVOID THE HAZARD

Make sure that the neutral indicator lamp illuminates when the drive mode select lever is moved into the "N" position, and that it comes on before starting the engine.

Check the operation of the drive mode select lever before starting the engine.



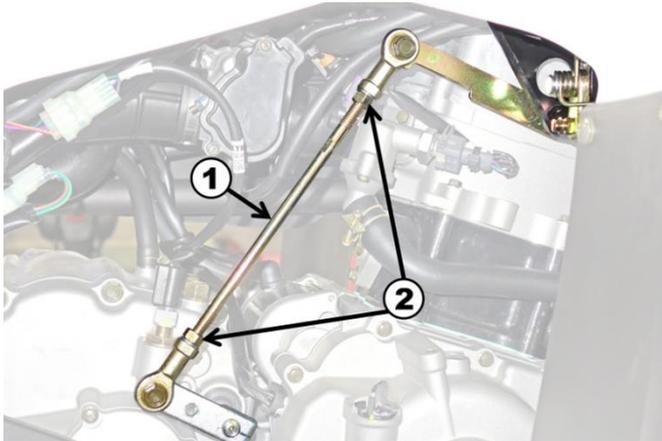
1. Make sure moving the shift lever into the "N" position of the shift guide.



2. Turn the ignition switch to "ON" and check the neutral indicator lamp comes on.
3. If the neutral indicator lamp does not come on, then see DRIVE MODE SELECT LEVER ADJUSTMENT.

PRE-RIDE INSPECTION

Drive Mode Select Lever Adjustment



1. With the ignition off (and the engine is cool).
2. Loosen the locknuts ② of the shift rod ①. Shift the transmission into neutral using the shift lever and/or turning the shift rod (the neutral lamp will illuminate).
3. Rotate the shift rod ① clockwise or counterclockwise until the drive mode selector lever is in the “N” position of the shift guide. At that point, tighten the locknuts firmly.

BRAKES

FRONT AND REAR BRAKES

1. Inspect the brake systems and verify that there is no brake fluid leakage.
2. Check the operation of the brake levers and pedal. They should move smoothly and there should be a firm feel when the brakes are applied. If not, have your ATV inspected by a KYMCO dealer.
3. Test the brake operation at slow speeds as you start your ride to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brakes for wear.

⚠ WARNING

POTENTIAL HAZARD

Riding your ATV with improperly operating brakes.

WHAT CAN HAPPEN

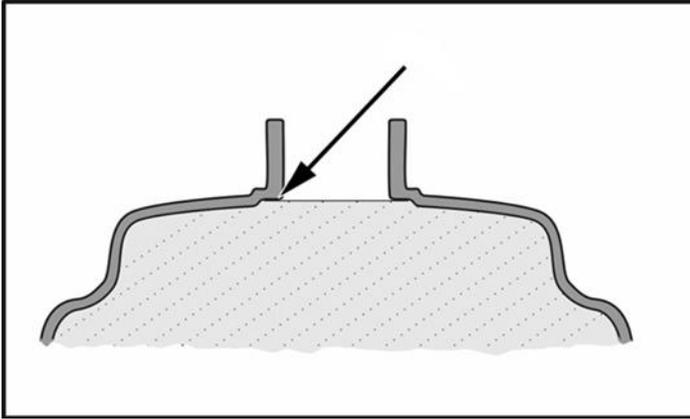
You may lose braking ability and be unable to stop, which could lead to an accident.

HOW TO AVOID THE HAZARD

Always check the brakes at the start of every ride. Do not ride the ATV if you find any problems with the brakes. If a problem cannot be corrected via the adjustment procedures discussed in this manual, have the ATV inspected by a KYMCO dealer.

PRE-RIDE INSPECTION

FUEL



Fill the fuel tank when necessary, and make sure there is sufficient gasoline in the tank for the riding you plan to do. Before riding, check the fuel tank and other fuel-related items, such as hoses, for any fuel leaks. If a fuel leak is present, contact your KYMCO dealer for repair before riding the ATV.

- **NOTE: When filling the fuel tank, do not allow the fluid level to be higher than the base of the fuel filler neck.**
- **NOTE: Avoid getting dirt, dust or water in the fuel tank. Never use stale or contaminated gasoline or an oil/gasoline mixture.**

Recommended fuel:

UNLEADED GASOLINE

Research octane rating----- 92 or higher

Fuel tank capacity:

Total ----- 3.43 US gal (13 L)

Reserve ----- 0.48 US gal (1.8 L)

Your KYMCO ATV's engine has been designed to use regular, unleaded gasoline with a research octane reading of 92 or higher. If knocking or pinging occurs, use a different brand of gasoline or use premium unleaded fuel. Unleaded fuel is good for the environment and will provide you with longer spark plug life and reduced maintenance costs.

Use unleaded fuel only because it produces fewer engine and spark plug deposits and extends the life of the exhaust system.

PRE-RIDE INSPECTION

Fill the Gas Tank

⚠ WARNING

Always full the ATV gas tank in a well-ventilated area. Never add gasoline to the gas tank near any open flames or with the engine running or hot. DO NOT SMOKE while filling the gas tank.

Since gasoline expands as its temperature increase, the gas tank on your ATV should only be filled to its rated capacity. Expansion room must be maintained in the tank particularly if the tank is filled with cold gasoline and the ATV is then moved to a warm area.

Allow the ATV's engine to cool before filling the gas tank. Care must be taken not to overfill the tank. If overfilled, gas may leak onto the engine creating a fire hazard.

⚠ WARNING

Do not spill or overflow gasoline when filling gas tank. This will greatly increase the risk of a fire hazard. Always allow the engine to cool before filling the gas tank.

⚠ WARNING

Do not over fill the gas tank.

Tighten the tank cap securely after filling the ATV's gas tank.

⚠ WARNING

POTENTIAL HAZARD

Improper care when refueling.

WHAT CAN HAPPEN

Fuel can spill, which can cause a fire and result in severe injury. Fuel Expands when it heats up; if the fuel tank is over- filled, fuel could spill out due to heat from the engine.

HOW TO AVOID THE HAZARD

As noted on the previous page, do not overfill the fuel tank. Be careful not to spill fuel, especially on the engine or exhaust system. Wipe dry any spilled fuel immediately. After fueling, make sure the fuel cap is closed securely. Do not refuel right after the engine has been running and is very hot.

PRE-RIDE INSPECTION

Fuel-Related Troubleshooting

If your ATV is failed to start or run properly, check the following symptoms and their possible causes. If your inspection fails to resolve the problem, consult your KYMCO dealer.

Engine will not start or poor acceleration:

- * Intake air leak
- * Fuel contaminated/deteriorated
- * Pinched or clogged fuel hoses
- * Faulty fuel pump

Engine stalls, hard to start, or rough idle:

- * Intake air leak
- * Fuel contaminated/deteriorated
- * Idle speed mis-adjustment
- * TPS/ISC service/reset is required (see your KYMCO dealer)

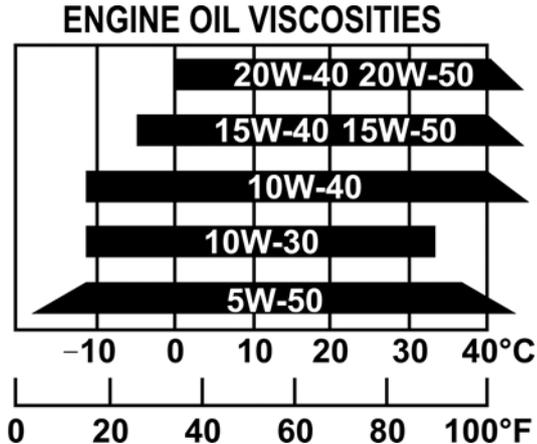
Poor performance (drivability) or poor fuel economy:

- * Pinched or clogged fuel hoses
- * Faulty fuel injector

PRE-RIDE INSPECTION

ENGINE OIL

The recommended engine oil to use in the ATV is rated SE, SF or SG under the API service classification. These oils meet all the lubrication requirements of a KYMCO ATV engine. The recommended oil viscosity is SAE 10W-30. Ambient temperature should determine the correct weight of oil. See the viscosity chart below or consult an authorized KYMCO ATV dealer for guidance.



Engine oil type ----- SAE 10W-30

----- API SJ type

Engine oil capacity

Oil change ----- 1.4 L

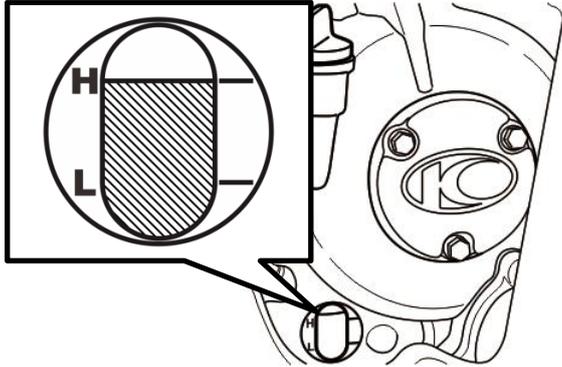
Total capacity ----- 1.6 L

⚠ CAUTION

Any oil used in place of the KYMCO recommended engine oil can cause serious engine damage.

PRE-RIDE INSPECTION

Engine Oil Level Check

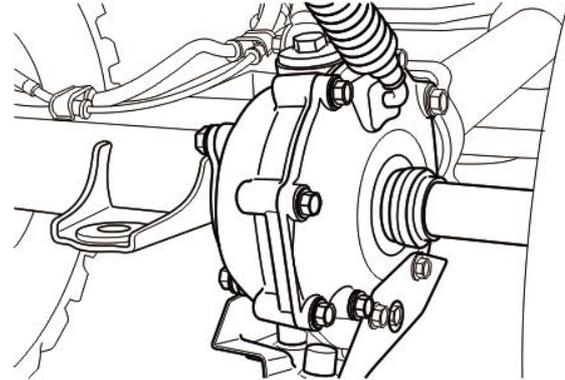


1. Park the ATV on a level ground
2. Check engine oil through the Checking window.
3. The oil level should be between the maximum level (H) and the minimum level (L). If the level is too low, add oil to the proper level.

▲ CAUTION

Do not overfill the engine oil. Overfilling the engine can cause oil leaks and/or contamination of the air filter element. Always make sure the oil level is above the "L" mark but not higher than the "H" mark.

Recommended Rear Drive Lubricant



The recommended lubricant for your KYMCO ATV is an SAE approved 80W-90 Hypoid fluid.

▲ CAUTION

Any lubricant used in place of the KYMCO recommended lubricant can cause serious front differential/rear drive damage.

PRE-RIDE INSPECTION

TIRES

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV with improper tires, or with improper or uneven tire pressures.

WHAT CAN HAPPEN

Use of improper tires on the ATV, or operation of the ATV with improper or uneven tire pressures, may cause loss of control, increasing the risk of an accident.

HOW TO AVOID THE HAZARD

- 1) The tires listed below have been approved by KYMCO for use on your ATV. Other tire combinations are not recommended.

	Size	Type
Front	22 X 7 -10	Tubeless
Rear	22 X 10 -10	Tubeless

- 2) The tires should be set to the recommended pressures listed in the table on the opposite page.

	Standard	Minimum	Maximum
Front	4.55 psi (0.32 kgf/cm ² , 31.38 kpa)	3.84 psi (0.27 kgf/cm ² , 26.5 kpa)	5.26 psi (0.37 kgf/cm ² , 36.28 kpa)
Rear	3.41 psi (0.24 kgf/cm ² , 23.53 kpa)	2.70 psi (0.19 kgf/cm ² , 18.63 kpa)	4.12 psi (0.29 kgf/cm ² , 28.43 kpa)

Check and adjust the tire pressures when the tires are cold.

Tire pressures must be equal on both sides of the ATV.

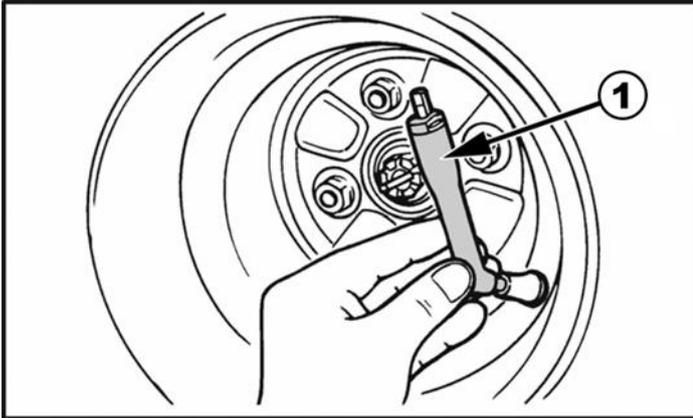
- 3) Tire pressures below the specified minimum amount could cause the tire to dislodge from the rim under severe riding conditions. Do not allow the tire pressures to go below the minimums listed in the table above.
- 4) Higher tire pressures could cause a tire to rupture. Inflate the tires very slowly and carefully. Fast inflation could cause a tire to rupture.

PRE-RIDE INSPECTION

Measure Tire Pressure

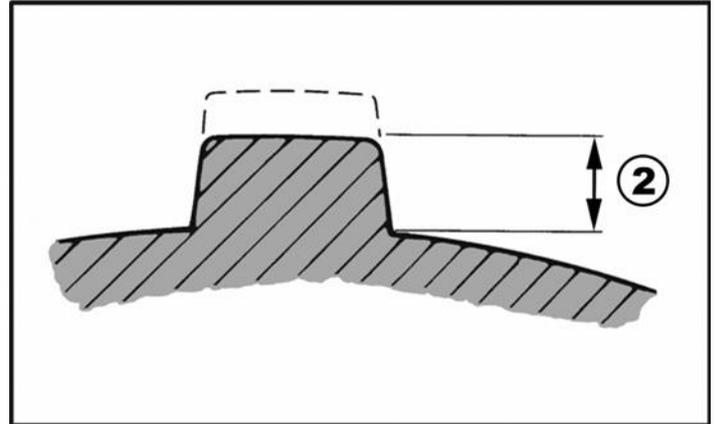
Use the supplied low-pressure tire gauge (from the tool kit).

- **NOTE:** A low-pressure tire gauge ① is included as standard equipment with your ATV. This gauge is different than an automotive-type tire pressure gauge because it can properly measure the lower pressures used in an ATV tire. As you inspect the tire pressures, make two readings and use the second reading to determine if your tire pressure is proper or requires adjustment. Dust, dirt or moisture in the gauge could affect the accuracy of the first measurement.



Tire Wear Limit

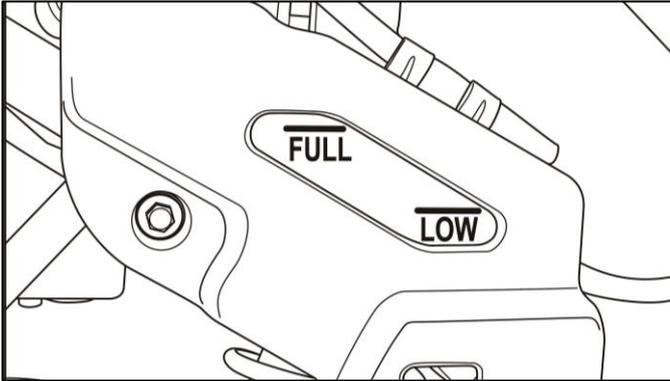
When the tire groove depth ② decreases to 0.16 in (4.0 mm) due to wear, replace the tire.



- **NOTE:** To maintain proper handling of your ATV, replace tires as a front-pair, or a rear-pair, or all four tires at the same time.

PRE-RIDE INSPECTION

COOLANT



Check the coolant level in the reservoir tank when the engine is cold (the level will vary with engine temperature).

The coolant level is satisfactory if it is between the "FULL" and "LOW" marks on the tank.

If the coolant level is below the "LOW" level, add distilled water to bring the level up to the "FULL" level.

Change the coolant in accordance with the Maintenance Schedule.

▲ CAUTION

Hard water or salt water is harmful to your engine. Use distilled water or soft tap water to prevent damage to your engine or the cooling system.

▲ WARNING

POTENTIAL HAZARD

Removing the radiator cap when the engine and radiator are still hot.

WHAT CAN HAPPEN

You could be burned by hot fluid and steam blown out under pressure.

HOW TO AVOID THE HAZARD

Wait for the engine to cool before removing the radiator cap. Always use a thick rag over the cap. Allow any remaining pressure to escape before completely removing the cap.

If your cooling system requires service or repair, see your KYMCO dealer.

SPARK PLUG INSPECTION

If the plug is oily or has carbon built-up, have it cleaned, preferably in a sand-blasting device, and then clean off any abrasive particles. The plug may also be to other suitable tool.

If the insulator is cracked, replace the plug.

Use the standard plug.

PRE-RIDE INSPECTION

THROTTLE LEVER

Check to see that the throttle lever operates correctly. It must open smoothly and spring back to idle position when released. Repair as necessary for proper operation.

FITTINGS AND FASTENERS

Always check the tightness of chassis fittings and fasteners before a ride. Take the machine to a KYMCO dealer or refer to the Service Manual for correct tightening torque.

LIGHTS

Check the headlight and taillight to make sure they are in working condition. Repair as necessary for proper operation.

SWITCHES

Check the operation of the headlight switch, engine stop switch and any other switches. Repair as necessary for proper operation

PRE-RIDE INSPECTION

OPERATING THE ATV

⚠ WARNING

POTENTIAL HAZARD

Frozen control cables in cold weather.

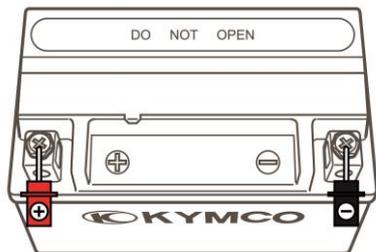
WHAT CAN HAPPEN

You may not be able to control the ATV, which could lead to an accident or a collision.

HOW TO AVOID THE HAZARD

When riding in cold weather, always make sure all control cables work smoothly before riding the ATV.

- **NOTE:** Check the battery voltage if the ambient air temperature is below 00 F (-18OC). If the voltage is below 12.5 V DC the engine may not electric-start.



Starting a Cold Engine

1. Set the parking brake and unlock the steering (take steering lock key out).
2. Turn the ignition switch to "ON".
3. Shift the drive model select lever into N (neutral)
4. Apply the brake and start the engine by pressing the starter button.

- **NOTE:** If the engine fails to start, release the starter button, then press the starter button again. Keep each starting attempt as brief as possible to pre-serve battery energy. Do not crank the engine over for more than ten seconds during each starting attempt.
- **NOTE:** If the battery becomes discharged from the starting attempt, recharge it completely and test that it is at full capacity before trying to start the ATV again.
- **NOTE:** Check the spark plug condition if the ATV fails to start. A weak battery may be depleted faster in cold weather and cause weak ignition spark. This could cause gasoline to foul the spark plug at which point it would need to be replaced. Recharge the battery if you have to replace a gasoline-fouled spark plug.

⚠ WARNING

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

PRE-RIDE INSPECTION

- **NOTE:** If you have to effect repairs on the ATV and to start in cold weather, use care so moisture (including ice or snow) does not get into the engine, spark plug hole, right engine cover (belt case) or the battery compartment.

Starting a Warm Engine

- **NOTE:** Refer to the NOTES, CAUTIONS and WARNING listed in the “Starting a Cold Engine” section of this manual.
1. Set the parking brake.
 2. Turn the ignition switch to “ON”.
 3. Shift the drive model select lever into N (neutral) position.
 4. Open the throttle lever slightly and start the engine by pressing the starter button.

▲ CAUTION

Review the “engine break in” section of this manual before operating the engine for the first time. The warm-up time for the engine will be longer in cold weather. Do not prematurely operate a cold engine. Allow time for a proper warm-up.

▲ CAUTION

Review the “engine break in” section of this manual before operating the engine for the first time. To achieve maximum engine life, always warm up the engine before riding. Never accelerate hard with a cold engine. Verify that the engine speed picks up smoothly when the throttle lever is pressed after approximately thirty seconds of warm-up time.

PRE-RIDE INSPECTION

EMERGENCY JUMP STARTING

If the battery is weak and will not start the ATV, you can elect to jump-start the engine with the battery from another vehicle.

▲ CAUTION

Both vehicles must have 12 volt, negative ground electrical systems. The battery in the other vehicle must be of a similar electrical capacity. Do not use an automotive battery, even if that vehicle's engine is not running, as the higher capacity of that battery can damage your ATV's electrical system.

1. Remove the seats and locate the positive [+] and negative [-] terminals on each vehicle's battery.
2. Check that the jumper cables are not damaged or have any missing wire insulation. An electrical shock may result or the vehicles may be damaged from using damaged jumper cables. Before connecting the cables, be aware that the jumper cables will connect the positive [+] terminals of each battery, and the negative [-] terminals will also be connected through the cable. Take great care to avoid accidentally connecting a positive [+] cable end or terminal to a negative [-] cable end or terminal.
3. Carefully connect the red positive [+] jumper cable end to the positive [+] terminal of the vehicle with the weak battery.
4. Using great care to not let the jumper cable end touch any part of the vehicle with the good battery, connect the other positive [+] jumper cable end to the good battery's positive [+] terminal.
5. Now connect the black negative [-] jumper cable end to the good battery's negative [-] terminal. Do not let the other negative end of the jumper cable DOES NOT go to the weak battery; it connects to a unpainted metal part of the engine or chassis of the vehicle with the weak battery.
6. With the jumper cables in place, start the vehicle with the good battery and let the engine run for a few minutes.
7. Try to start the vehicle with the weak battery. If it will not start after a few attempts, the battery may require replacement or there is another problem with the vehicle.
8. Carefully remove the cables in reverse order to prevent any electrical shorts. Always take great care that the positive [+] jumper cable ends NEVER touch any metal part of the chassis.

PRE-RIDE INSPECTION

ENGINE BREAK-IN

The most critical time period in the life of your ATV is the first twenty hours of operation. Commonly referred to as the “break-in period”, how you use the ATV during this time period will affect reliability and longevity.

For these reasons, please review the following material carefully. Because the engine is brand new, you must not put an excessive load on it for the first twenty hours of use. During this period, various parts in the engine wear and polish themselves to the correct operating tolerances.

During the first twenty hours, prolonged full-throttle operation, or any condition which might result in excessive engine heating, must be avoided. However, momentary (two to three seconds maximum) full-throttle operation under load will not harm the engine.

Each full-throttle acceleration sequence should be followed with a substantial rest period for the engine by cruising at a lower engine speed (RPM) so the engine can shed any extra heat. If you notice any unusual performance, engine sounds or excessive residual heat, consult with your KYMCO dealer.

1. 0 ~ 10 hours of operation:
Avoid continuous operation above half throttle. Allow for a cooling off period of five to ten minutes after each hour of operation. Vary the engine and trail speed of the ATV from time to time. Do not operate the engine at full throttle.
2. 10 ~ 20 hours of operation:
Avoid prolonged operation above 3/4 throttle. You can rev the engine freely through the transmission gears, but do not use full throttle at any time.
3. After break-in:
Avoid full throttle operation. Vary the engine and trail speeds occasionally.

CAUTION

Follow the recommended break-in procedures. Damage to the ATV or its engine from improper break-in procedures is not a defect; therefore related repair costs will not be covered by the KYMCO Limited Warranty.

PRE-RIDE INSPECTION

LOADING

As delivered, your ATV can carry cargo or tow a trailer. To do these tasks safely, you must use common sense and good judgment. Keep the following recommendations and specifications in mind:

Never exceed the specified weight limits. An overloaded ATV can be unstable.

Load capacity

Front cargo rack-----44.0 lbs (20.0 kg)

Rear cargo rack -----66.0 lbs (30.0 kg)

Trailer

Maximum towing capacity----500 lbs (227kg)

Maximum tongue weight-----35 lbs (16.0 kg)

Do not exceed the recommended tongue weight when towing a trailer.

When setting up your ATV to tow a trailer, you will need to obtain a trailer hitch ball ③ that matches your trailer and mates properly with the trailer hitch flange ④.

See your KYMCO dealer for support in obtaining the proper equipment and accessories.

- **Load cargo on the cargo racks as close to the center of the vehicle as possible. Put cargo at the rear of the front rack and at the front of the rear rack. Place the load at the center of either rack.**

PRE-RIDE INSPECTION

- **Tie down cargo securely to the cargo racks. Make sure the load cannot shift. Make sure the load in the trailer cannot move around.**
- **A shifting load on the ATV or on the trailer can cause an accident.**
- **Make sure the load does not interfere with the ATV's controls or your ability to see where you are going.**
- **Ride more slowly than you would without a load. The more weight you carry or tow, the slower you should go.**
- **Allow more braking distance. Do not follow close to other vehicles. A heavier vehicle requires more distance and time to stop.**
- **Avoid making sharp turns unless you are at a very slow speed.**
- **Avoid hills and rough terrain. Choose your riding path carefully. Added weight affects the stability and handling of your ATV.**
- **Never carry passengers on the cargo racks.**

⚠ WARNING

POTENTIAL HAZARD

Overloading the ATV or carrying or towing cargo improperly.

WHAT CAN HAPPEN

The cargo load can cause changes in the vehicle's handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the specified load capacity for the ATV.

Cargo should be properly distributed and securely attached to the cargo racks or in your trailer.

Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.

PRE-RIDE INSPECTION

ACCESSORIES

Accessories can affect the handling and your ability to control your ATV. Keep the following recommendations in mind when considering an accessory, or operating an ATV which has been fitted with accessories.

- **Choose only accessories that have been specifically designed for your ATV. Your KYMCO dealer has a variety of genuine KYMCO accessories. While other accessories may be available, it is not possible for KYMCO to test and verify the safety and suitability of these non-KYMCO accessories. Always select a KYMCO accessory or one that is equivalent in design and quality.**
- **Accessories should be rigidly and securely mounted. An accessory that can shift position or come off your ATV while you are riding could affect your ability to control your ATV.**
- **Do not mount an accessory where it could interfere with your ability to control your ATV. Examples include (but are not limited to) a heavy or bulky object attached to the handlebars which could make steering difficult, or a windscreen that could limit your view of the trail ahead.**
- **Use extra caution when riding an ATV fitted with accessories. The ATV will handle differently than it does with no accessories mounted to it.**

RIDING THE ATV - SAFETY WARNINGS

The warnings on the following pages, and throughout this manual, should be read and understood completely before attempting to operate the ATV. Some information is directly related to riding the ATV, while other information is related to the mechanical care and operation of the ATV. You must be a conscientious vehicle owner so that your ATV provides you and others with safe and reliable service.

Rider training is also vital to your safety. Even experienced ATV riders will benefit from formal rider training. To obtain information about rider safety, operational training and courses available in your area, visit www.atvsafety.org

⚠ WARNING

POTENTIAL HAZARD

Operating the ATV without rider training and without becoming familiar with its operation.

WHAT CAN HAPPEN

Operating an ATV requires different skills and knowledge than compared to other motor vehicles. Without proper training or understanding, your inexperience could cause an accident, resulting in injury or death.

The risk of an accident is also increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THIS HAZARD

Complete a certified ATV rider safety course. After training, increase your skills and familiarity with your ATV by operating it at slow speeds first. Riding your ATV requires skills acquired through practice over a period of time. Do not attempt to operate your ATV at maximum performance until you are totally familiar with its handling and performance characteristics.



RIDING THE ATV - SAFETY WARNINGS

WARNING

POTENTIAL HAZARD

Operating this ATV without proper instruction.

WHAT CAN HAPPEN

The risk of an accident is greatly increased if you do not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THIS HAZARD

Whether you are a beginning or an experienced ATV rider, you should complete a certified training course. You should then regularly practice the skills learned in the course in conjunction with the operating techniques described in this Owner's Manual.

WARNING

POTENTIAL HAZARD

Allowing anyone under 14 years of age to operate this ATV.

WHAT CAN HAPPEN

Use of an ATV by children can lead to severe injury or death of the child. Children under 14 years of age may lack the skills, abilities, or judgment necessary to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THIS HAZARD

A child under 14 years of age should never operate this ATV.

WARNINGS – BEFORE YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV without wearing an approved helmet, eye protection and protective clothing.

WHAT CAN HAPPEN

Operating an ATV without an approved helmet increases your chances of a severe head injury or death in the event of an accident.

Operating an ATV without eye protection can result in an accident and increases your chances of a severe injury, including loss of sight in the event of an accident.

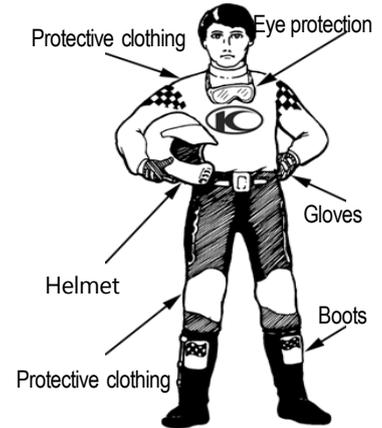
Operating an ATV without protective clothing increases your chances of severe injury in the event of an accident.

HOW TO AVOID THIS HAZARD

Always wear an approved helmet that fits properly.

You should also wear:

- * **Eye protection (goggles or helmet face shield)**
- * **Gloves**
- * **Boots**
- * **Long-sleeved shirt, riding jersey or long-sleeved jacket**
- * **Long-legged pants or riding pants**



⚠ WARNING

POTENTIAL HAZARD

Operating your ATV after or while consuming alcohol or drugs.

WHAT CAN HAPPEN

Consuming alcohol or drugs can seriously affect your judgment. Consuming alcohol or drugs will cause you to react more slowly and will affect your balance and perception. Operating your ATV with these impairments may result in an accident.

HOW TO AVOID THIS HAZARD

Never consume alcohol or drugs before, or while driving your ATV.



WARNINGS – BEFORE YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Starting or running the engine in a closed area.

WHAT CAN HAPPEN

Exhaust fumes are poisonous and may cause loss of consciousness or death in a short time.

HOW TO AVOID THIS HAZARD

Always operate your vehicle in an area with adequate ventilation.



⚠ WARNING

POTENTIAL HAZARD

Improper handling of gasoline (while, but not limited to, refueling).

WHAT CAN HAPPEN

Gasoline can catch fire and you can be burned.

HOW TO AVOID THIS HAZARD

Always turn off the engine when refueling your ATV. Do not refuel immediately after operating the ATV as the engine could still be very hot. Do not spill gasoline on the exhaust pipe or muffler when refueling. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition (such as the pilot lights of stoves, clothes dryers or hot water heaters).

⚠ WARNING

POTENTIAL HAZARD

Improper handling of gasoline.

WHAT CAN HAPPEN

Gasoline is a poisonous chemical and can cause injuries.

HOW TO AVOID THIS HAZARD

If you should swallow gasoline, inhale a lot of gasoline vapor, or get some gasoline in your eyes, seek medical attention immediately. If gasoline spills on your skin, wash the affected area with soap and water. If gasoline spills on your clothing, change your clothes and wash the affected area of your body.

WARNINGS – BEFORE YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Failure to inspect your ATV before operating it. Failure to properly maintain your ATV.

WHAT CAN HAPPEN

By not keeping your ATV in proper working order, you increase the possibility of an accident or equipment damage.

HOW TO AVOID THIS HAZARD

Always inspect your ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance schedules and procedures in this Owner's Manual. Perform a thorough pre-ride inspection before each ride.

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV with improper tires or with tires that have improper or uneven tire pressure.

WHAT CAN HAPPEN

The use of improper tires on your ATV, or riding your ATV with improper or uneven tire inflation, could cause you to lose control of the ATV, increasing the chance of an accident.

HOW TO AVOID THIS HAZARD

Always use the proper tire sizes and types as specified in this Owner's Manual. Always maintain proper tire pressure in your ATV's tires, as described in this Owner's Manual.

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modifications to your ATV may cause changes in handling which, in some situations, could lead to an accident.

HOW TO AVOID THIS HAZARD

Never modify your ATV or install accessories that are not specifically designed for your ATV. All parts and accessories added to this ATV should be genuine KYMCO ATV components designed for use on your ATV and should be installed and used according to the installation instructions. Never install a twist-grip type throttle. If you have questions about personalizing your ATV, consult an authorized KYMCO ATV dealer.

WARNINGS – BEFORE YOU RIDE

WARNING

POTENTIAL HAZARD

Operating your ATV with improper accessories installed.

WHAT CAN HAPPEN

The use of improper accessories may affect the operation of the ATV and could cause you to lose control of the ATV, increasing the chance of an accident.

HOW TO AVOID THIS HAZARD

Do not install or use non-KYMCO accessories on your ATV. See the Accessories section of this Owner's Manual for further information or contact your KYMCO dealer for assistance

WARNING

POTENTIAL HAZARD

Overloading your ATV or carrying loads or towing cargo improperly.

WHAT CAN HAPPEN

Improper loading and towing could cause changes to your ATV's handling characteristics, which could lead to an accident.

HOW TO AVOID THIS HAZARD

Never exceed the stated load capacity for your ATV. Cargo should be properly distributed and securely attached. To aid in controlling your ATV, reduce speed when carrying cargo or pulling a trailer, and allow greater distances for braking.

WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV at excessive speeds.

WHAT CAN HAPPEN

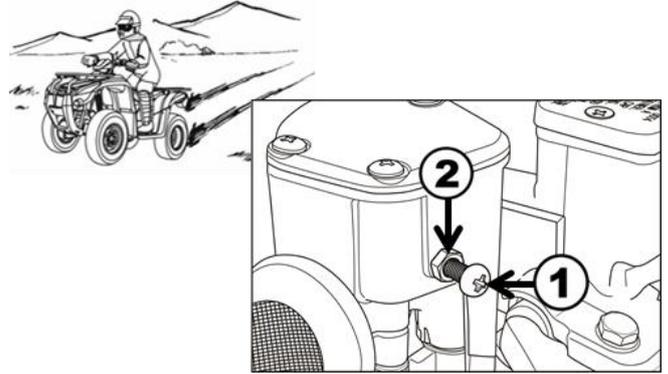
Operating your ATV at excessive speeds increases your chances of losing control of the vehicle, which can result in an accident.

HOW TO AVOID THIS HAZARD

Always ride your ATV at a speed that is proper for the terrain, visibility and operating conditions and your experience.

NOTE:

Your ATV is equipped with a speed limiter which can reduce the engine and vehicle speed by limiting the throttle lever opening (by adjusting the adjuster screw and securing it with a lock nut on the throttle lever housing). Setting the speed limiter feature of the ATV.



⚠ WARNING

POTENTIAL HAZARD

Attempting wheelies, jumps, and other stunts when riding your ATV.

WHAT CAN HAPPEN

Attempting wheelies, jumps, and other stunts increase the chance of an accident, including a rollover, when riding your ATV.

HOW TO AVOID THIS HAZARD

Never attempt stunts such as wheelies or jumps. Do not try to show off when riding your ATV.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Carrying a passenger on this ATV.

WHAT CAN HAPPEN

Carrying a passenger greatly reduces your ability to balance and control this ATV. This could cause an accident, resulting in injury or death to you and/or your passenger.

HOW TO AVOID THIS HAZARD

Never carry a passenger. The long seat on this ATV is designed to allow you to shift positions as needed during operation. It is not for carrying passengers.



⚠ WARNING

POTENTIAL HAZARD

Carrying a passenger on the cargo racks.

WHAT CAN HAPPEN

Carrying a passenger on the cargo racks greatly reduces your ability to balance and control this ATV. This could cause an accident, resulting in injury or death to you and/or your passenger.

HOW TO AVOID THIS HAZARD

Never carry a passenger on the cargo racks. The cargo racks are supplied with the ATV to permit you to carry cargo. The cargo racks are not for carrying passengers.



⚠ WARNING

POTENTIAL HAZARD

Operating your ATV on public streets, roads, or highways.

WHAT CAN HAPPEN

You can collide with another vehicle.

HOW TO AVOID THIS HAZARD

Never operate your ATV on any public street, road, or highway, even a dirt or gravel road. In many states it is illegal to operate an ATV on public streets, roads, or highways.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV on paved surfaces.

WHAT CAN HAPPEN

Your ATV's tires are designed for off-road use only, not for use on pavement. Paved surfaces may seriously affect vehicle handling and may result in your inability to control the ATV.

HOW TO AVOID THIS HAZARD

Never operate your ATV on any paved surfaces, including sidewalks, driveways, parking lots, and/or streets.



⚠ WARNING

POTENTIAL HAZARD

Operating your ATV in areas where you might not be seen by other off-road vehicles.

WHAT CAN HAPPEN

You could be in a collision. You could be injured or killed.

HOW TO AVOID THIS HAZARD

Always mount a caution flag on your ATV to make you more visible. Watch carefully for other vehicles. To obtain or mount a caution flag, contact your KYMCO dealer.



WARNINGS – AS YOU RIDE

▲ WARNING

POTENTIAL HAZARD

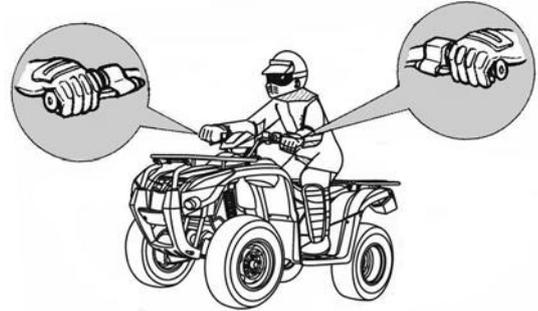
Removing your hands from handlebars or your feet from your ATV's footrests while riding.

WHAT CAN HAPPEN

Removing even one hand or foot can reduce your ability to control your ATV or could cause you to lose your balance and fall off the ATV. If you remove a foot from a foot- rest, your foot or leg may come into contact with the wheels, which could injure you or cause an accident.

HOW TO AVOID THIS HAZARD

Always keep both hands on the handlebars and both feet on the footrests of your ATV while riding.



▲ WARNING

POTENTIAL HAZARD

Failure to use extra care when riding your ATV on unfamiliar terrain.

WHAT CAN HAPPEN

When riding on unfamiliar terrain you may come upon hidden rocks, bumps, or holes without enough time to react. This could result in the ATV overturning or you losing control of the ATV.

HOW TO AVOID THIS HAZARD

Go slowly and be extra careful when riding your ATV on unfamiliar terrain. Always be alert to changing conditions in the terrain when riding your ATV.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Failure to use extra care when riding your ATV on rough, slippery, or loose terrain.

WHAT CAN HAPPEN

Riding your ATV on rough, slippery, or loose terrain can cause loss of traction or control, which could result in an accident, including a rollover.

HOW TO AVOID THIS HAZARD

Do not ride your ATV on rough, slippery, or loose terrain until you have learned and practiced the skills necessary to control the ATV on these surfaces. Always be especially cautious when riding over rough, slippery, or loose terrain.



⚠ WARNING

POTENTIAL HAZARD

Turning the ATV improperly.

WHAT CAN HAPPEN

Your ATV might go out of control, causing a collision or rollover.

HOW TO AVOID THIS HAZARD

Always follow proper procedures for turning your ATV as described in this Owner's Manual. Practice turning at slow speeds before attempting to turn at faster speeds. Do not turn your ATV at excessive speeds.



⚠ WARNING

POTENTIAL HAZARD

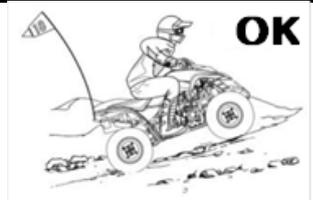
Operating your ATV on steep hills.

WHAT CAN HAPPEN

Your ATV can overturn more easily on steep hills than on level surfaces or small hills.

HOW TO AVOID THE HAZARD

Never operate your ATV on hills that are too steep for the ATV or for your abilities. Practice riding on smaller hills before attempting to ride on larger hills.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Climbing hills improperly with your ATV.

WHAT CAN HAPPEN

Climbing hills improperly could cause you to lose control of your ATV or cause the ATV to overturn.

HOW TO AVOID THIS HAZARD

Always follow proper procedures for climbing hills as described in this Owner's Manual. Always check the terrain carefully before you start up any hill.

Never climb hills with slippery or loose surfaces. Shift your weight forward when riding your ATV up a hill. Never open the throttle suddenly or make sudden gear changes, as the ATV could flip over backwards. Never go over the top of any hill at high speed, as an obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.

⚠ WARNING

POTENTIAL HAZARD

Going down a hill improperly on your ATV.

WHAT CAN HAPPEN

Going down a hill improperly could cause you to lose control of your ATV or cause the ATV to overturn.

HOW TO AVOID THIS HAZARD

Always follow proper riding procedures for going down hills as described in this Owner's Manual. Always check the terrain carefully before you start down any hill on your ATV. Shift your weight backwards.

Never go downhill at a high speed.

Avoid going down a hill at an angle that would cause your ATV to lean sharply to one side. Go straight down the hill whenever possible.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Improperly crossing hills or turning on hills while riding your ATV.

WHAT CAN HAPPEN

Improperly crossing hills or turning on hills could cause you to lose control of your ATV or cause the ATV to overturn.

HOW TO AVOID THIS HAZARD

Never attempt to turn your ATV around on any hill until you have mastered the turning technique as described in this Owner's Manual.

Practice these maneuvers first on level ground.

Be very careful when turning your ATV on any hill.

Avoid crossing the side of a steep hill if possible.

When crossing the side of a hill on an ATV:

- * Always follow proper procedures as described in this Owner's Manual.
- * Avoid hills with slippery or loose surfaces.
- * Shift your weight to the uphill side of the ATV.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Stalling, rolling backwards, or improper dismounting while climbing a hill on your ATV.

WHAT CAN HAPPEN

Stalling, rolling backwards, or improper dismounting could result in the ATV overturning.

HOW TO AVOID THIS HAZARD

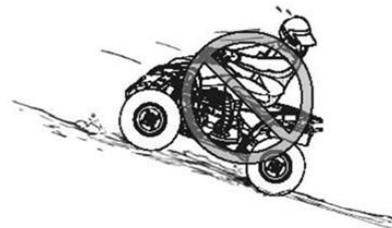
Select the proper transmission gear and maintain a steady speed when climbing

If you lose all forward speed:

- * Keep your weight uphill
- * Apply the brakes
- * Engage the brake lever lock (parking brake) after you are stopped

If you begin rolling backwards:

- * Keep your weight uphill
- * Apply the brakes while rolling backwards
- * When the ATV comes to a full stop, engage the brake lever lock (parking brake) and dismount the ATV on the uphill side, or to the side pointed uphill
- * Turn the ATV around so it faces downhill and remount following the procedure described in this Owner's Manual



⚠ WARNING

POTENTIAL HAZARD

Improperly riding your ATV over obstacles.

WHAT CAN HAPPEN

Improperly riding over obstacles could cause you to lose control of your ATV or cause a collision. A loss of control or a collision could cause the ATV to overturn.

HOW TO AVOID THIS HAZARD

Before operating your ATV in a new area, check for obstacles. Never attempt to ride your ATV over large obstacles, such as large rocks or fallen trees. When you go over obstacles, always follow the proper riding procedures as described in this Owner's Manual.

WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV through deep or fast flowing water.

WHAT CAN HAPPEN

Your ATV's tires may float, causing loss of traction and loss of control, which could lead to an accident. Water can also reduce the stopping capability of your ATV's braking system.

HOW TO AVOID THIS HAZARD

Never operate your ATV in fast flowing water, or in water deeper than the footrests. Remember that wet brakes may have reduced stopping capability. Test your ATV's brakes after leaving water (see warning box below).

- **NOTE: Your ATV can be used to cross slow moving water up to a maximum depth of 7.9 inches (20 cm). Before entering the water, choose your route carefully so you can avoid sharp objects, rocks or slippery conditions that could cause you to lose control of the ATV.**



⚠ WARNING

POTENTIAL HAZARD

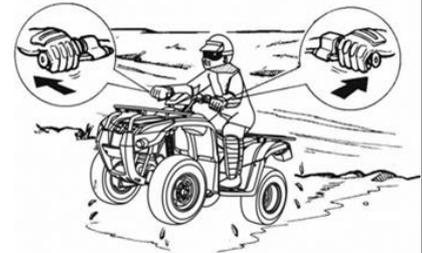
Loss of braking after water crossing.

WHAT CAN HAPPEN

Water can affect the ATV's braking system, causing poor stopping performance.

HOW TO AVOID THIS HAZARD

Test your ATV's brakes after leaving water. If necessary, apply the brakes smoothly several times to dry the pads, drums and rotors. Drive slowly and carefully until you are sure the braking performance has returned to normal.



WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

Skidding or sliding when riding your ATV.

WHAT CAN HAPPEN

Skidding or sliding could cause you to lose control of your ATV. When skidding or sliding, your ATV might regain traction unexpectedly which could cause the ATV to overturn

HOW TO AVOID THIS HAZARD

Learn to safely control skidding or sliding by practicing on your ATV at slow speeds and on smooth terrain. On extremely slippery surfaces such as ice, go slowly and be very cautious to reduce the chance of skidding or sliding your ATV out of control.



⚠ WARNING

POTENTIAL HAZARD

Improperly operating your ATV in reverse.

WHAT CAN HAPPEN

You could hit an obstacle or person behind you with the ATV, resulting in serious injury.

HOW TO AVOID THIS HAZARD

Before you engage reverse gear, make sure there are no obstacles or people behind you. When it is safe to proceed, operate the ATV in reverse at slow speeds.

WARNINGS – AS YOU RIDE

⚠ WARNING

POTENTIAL HAZARD

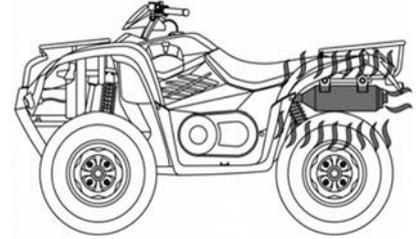
The exhaust system can be very hot.

WHAT CAN HAPPEN

Someone touching the exhaust system during or after operation could be burned.

HOW TO AVOID THIS HAZARD

Do not touch the exhaust system when it is hot. Do not park the ATV in a place where others might touch the exhaust system. Take extra care when parking an ATV with a hot exhaust system so children, animals or combustible materials will not touch the exhaust system.



⚠ WARNING

POTENTIAL HAZARD

Improperly parking your ATV (especially parking on a hill or other incline).

WHAT CAN HAPPEN

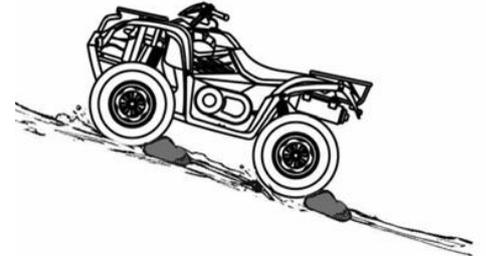
The ATV could move where it could injure a person or cause physical damage to itself or other property.

HOW TO AVOID THIS HAZARD

Avoid parking on hills. Always choose a level place to park. After bringing your ATV to a stop, hold the brakes while you shift into neutral, then set the parking brake and turn the ignition switch OFF.

■ NOTE:

Your ATV is equipped with a parking brake that will lock the front brakes of your ATV to hold it in place. Refer setting the parking brake. For additional security parking on steep terrain, use rocks or other objects to act as stops behind the ATV's wheels (on the downhill side of the wheel).



RIDING THE ATV

MOUNTING THE ATV

Use care when mounting your ATV. While your ATV is a four-wheel vehicle, you still must use care to not upset the chassis when mounting it. To get seated:

1. From the left side of the ATV, grab the left-side handlebar, apply the brake, and put your left foot on the footrest
2. Grab the right-side handlebar
3. Swing your leg over the seat and set your right foot down on the right-side footrest
4. Get seated in a comfortable position
5. Always keep your feet planted on the footrests

STARTING THE ENGINE

Always start your ATV when it is at rest on a flat, level surface. Carbon monoxide poisoning can kill you, so never run your ATV's engine in an enclosed space. Follow these steps to start your ATV:

1. Climb up onto the ATV and sit down.
2. Engage the parking brake
3. Shift into neutral
4. Turn on the ignition switch
5. Move the emergency stop switch to RUN
6. Press the starter button
7. Let the engine warm up

RIDING

Carefully read this manual and pay particular attention to the safety warnings contained within. Review the riding tips and warnings before attempting to operate the ATV.

⚠ WARNING

Before operating your ATV you should enroll and complete an ATV safety course. Your KYMCO dealer will have course information

PARKING

When parking your ATV, use the following guidelines:

1. After the ATV is stopped, shift into neutral
2. Stop the engine using the engine stop switch
3. Turn off the ignition switch
4. Always try to park your ATV on level ground. If you have to park on a hill, shift the ATV's transmission into low gear.
5. Engage the parking brake

DISMOUNTING YOUR ATV

To park and dismount from your ATV:

1. Double-check that the parking brake is engaged
2. Swing your right leg over to the left side of the seat
3. Step to the ground on the left side of the ATV

RIDING THE ATV

RIDERS OTHER THAN YOURSELF

When you allow others to ride your ATV you become responsible for their safety and their actions. The riding ability of your guests, their awareness of proper ATV operation, the terrain, and the condition of your ATV must be factored into your decision to allow others to ride your ATV. Additionally, you can be legally responsible for the actions your guests may take while riding your ATV.

INEXPERIENCED/UNTRAINED RIDERS

Never let anyone who has not been educated in proper and safe ATV operation to ride your ATV. Even guests who own an ATV or who have prior riding experience may not have the foundation of a formal training course that would have educated them about safe ATV operation. As the vehicle owner, it is your responsibility to keep uneducated guests (especially under-aged children) off of your ATV.

ATV RIDER AGE GUIDELINES

Regardless of experience, you should never let anyone under 16 years of age operate your ATV. KYMCO and the ATV Safety Institute recommend that all ATV operators ride the appropriately sized ATV for their age.

KYMCO and the ATV Safety Institute recommend that all ATV operators ride an ATV	Age (Years)	Engine Size (cc)	Speed Limitations (MPH)
	6	Up to 70	10 – Governed 15 – Maximum
	10	Up to 90	15 – Governed
	12	Up to 150	30 – Maximum
	14	Up to 300	20 – Governed 38 – Maximum
	16 and Older	Over 300	According to Local Regulations

EXPERIENCED/TRAINED RIDERS

When anyone borrows your ATV, you become responsible to supervise them and control their actions. Before a guest rides your ATV, have them take an ATV training course, have them watch the ATV safety video, and have them read this Owner's Manual. As the owner of the ATV, you are responsible for their training.

Not every ATV operates in the same way or has the same handling characteristics that your ATV possesses. The riding position may be different, the controls may differ, and the power delivery will vary from brand and model of ATV. So regardless of how much experience your guests may have with ATVs in general, they don't have experience with your ATV. Spend time with your guests to make sure they are familiar and comfortable with the operation of your ATV before you let them ride.

PERIODIC MAINTENANCE

PERIODIC MAINTENANCE

Proper periodic maintenance and adjustment of your ATV is important for optimum performance and safety.

Follow the Maintenance Schedule listed in this manual and in other official KYMCO publications.

If you become aware of any abnormal noises, vibrations, or improper function of any component of your ATV, DO NOT OPERATE THE ATV. Take your ATV to an authorized KYMCO ATV dealer for inspection and adjustment or repair.

If you do not feel qualified to perform any of the maintenance procedures or inspections listed in this Owner's Manual, take your ATV to an authorized KYMCO ATV dealer for professional service.

■ **NOTE: The instructions and information on the following pages refer to specific items in the maintenance and care of your ATV.**

Discuss with your KYMCO dealer how you intend to operate your ATV. This consultation will provide you useful advice on service frequency and methods to enhance the operational life of your ATV.

WARNING

POTENTIAL HAZARD

Servicing an engine while it is running.

WHAT CAN HAPPEN

Moving parts can catch clothing or parts of the body, causing injury.

Electrical components can cause shocks or can start fires.

HOW TO AVOID THE HAZARD

Turn off the engine when performing maintenance unless otherwise specified.

Have KYMCO dealer perform service if you are not familiar with machine service.

PERIODIC MAINTENANCE

PERIODIC MAINTENANCE CHART

MAINTENANCE SCHEDULE CHART (1/3)

ITEM	ROUTINE	WHICHEVER COMES FIRST			
		mi	INITIAL	EVERY	
		km	100	600	1200
		MONTH	1	6	12
Engine oil	<ul style="list-style-type: none"> ● Replace (Warm engine before draining) 		○	○	○
*Oil strainer	<ul style="list-style-type: none"> ● Clean ● Replace if necessary 		○	○	○
Transmission oil	<ul style="list-style-type: none"> ● Check oil level/ oil leakage ● Replace every 12 months 		○		○
Rear final gear case oil	<ul style="list-style-type: none"> ● Check oil level/ oil leakage ● Replace every 12 months 		○		○
*V-belt	<ul style="list-style-type: none"> ● Check operation ● Replace if damage or excessive wear 		○		○
Air filter element (for engine and *V-belt compartment)	<ul style="list-style-type: none"> ● Clean ● Replace of necessary 	Every 20~40 hours (150~300km, 100~200mi) (More often in wet or dusty areas)			
*Throttle body	<ul style="list-style-type: none"> ● Check idle speed/starter operation ● Adjust if necessary 		○	○	○
*Cylinder head cover breather system	<ul style="list-style-type: none"> ● Check breather hose for cracks or damage ● Replace if necessary 			○	○

PERIODIC MAINTENANCE

MAINTENANCE SCHEDULE CHART (2/3)

ITEM	WHICHEVER COMES FIRST ROUTINE		INITIAL	EVERY	
		mi	100	600	1200
		km	150	1000	2000
		MONTH	1	6	12
Spark plug	<ul style="list-style-type: none"> ● Check condition ● Adjust gap and clean ● Replace if necessary 		○	○	○
*Fuel line	<ul style="list-style-type: none"> ● Check fuel hose for cracks or damage ● Replace if necessary 			○	○
*Valves	<ul style="list-style-type: none"> ● Check valve clearance ● Adjust if necessary 		○	○	○
*Brake	<ul style="list-style-type: none"> ● Check operation and brake fluid ● Replace brake pad if necessary 		○	○	○
*Coolant	<ul style="list-style-type: none"> ● Check coolant leakage ● Replace if necessary ● Replace coolant every 24 months 		○	○	○
*Battery	<ul style="list-style-type: none"> ● Check specific gravity ● Replace if necessary ● Correct if necessary 		○	○	○
*Exhaust system	<ul style="list-style-type: none"> ● Check leakage ● Retighten if necessary ● Replace gasket if necessary 			○	○
Driven chain	<ul style="list-style-type: none"> ● Check and adjust slack/ alignment/ clean/ lube 		○	○	○

PERIODIC MAINTENANCE

MAINTENANCE SCHEDULE CHART (3/3)

ITEM	WHICHEVER COMES FIRST ROUTINE		INITIAL	EVERY	
		mi	100	600	1200
		km	150	1000	2000
		MONTH	1	6	12
*Wheels	<ul style="list-style-type: none"> ● Check balance/damage/run out ● Replace if necessary 		○	○	○
*Wheels bearings	<ul style="list-style-type: none"> ● Check bearing assembly for looseness/ damage ● Replace if damaged 		○	○	○
*Steering system	<ul style="list-style-type: none"> ● Check operation ● Replace if damaged ● Check tor-in ● Adjust if necessary 		○	○	○
*Knuckle shafts/ Steering shaft	<ul style="list-style-type: none"> ● Lubricate every 6 months 			○	○
*Fittings and Fasteners	<ul style="list-style-type: none"> ● Check all chassis fittings and fasteners ● Correct if necessary 		○	○	○

* : It is recommended that these items be serviced by a KYMCO dealer.

** : Lithium soap base grease.

PERIODIC MAINTENANCE

TOOL KIT/ TOOL KIT COMPARTMENT

The tool kit is stored in the tool kit compartment under the seat.



The tools in the kits are sufficient to perform routine maintenance and simple repairs. Any extensive work requiring additional tools should be performed by your authorized KYMCO dealer.



The tool kit includes the following items

- Tool pouch
- Wrench - 10/12mm
- Air pressure tire gauge
- Spark plug socket
- Standard/Phillips screwdriver bit
- Screwdriver handle

PERIODIC MAINTENANCE

RADIATOR



Periodically check the radiator area for cleanliness. Inspect radiating fins. They must be clean, free of mud, dirt, leaves and any other deposit that would prevent the radiator to cool properly. Remove as much as you can with your hands. If water is available in proximity, try rinsing the radiating fins. If available, use a garden hose to rinse the radiating fins.

▲ CAUTION

Never clean radiator with your hands when it is hot. Let the radiator cool down before cleaning.

SHOCK ABSORBERS

Each shock absorber on your ATV should be visibly checked weekly for excessive fluid leakage (some seal leakage is normal), cracks or breaks in the shock body, or a bent shock rod. If any one of the conditions is detected, replacement is necessary.

- **NOTE: If you ride your ATV in extremely cold weather (-10°F/ -23°C or colder), a small amount of fluid leakage may occur on the shock rod. Unless the leakage is excessive, replacement of the shock absorber is not necessary.**

The shock absorbers have spring force adjustment sleeves with five positions to allow the spring rate to be adjusted for different riding and loading conditions. If the spring rate is too soft or too stiff, adjust the sleeve according to the chart below.

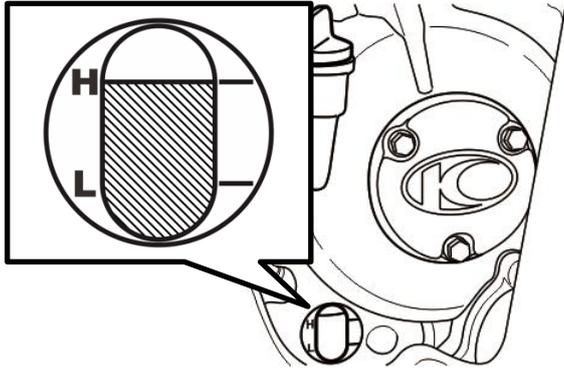
- **NOTE: Use a spanner wrench to adjust the spring force adjustment sleeve to the desired position.**

Position	Spring Force	Setting	Load
1		Soft	Light
2			
3			
4			
5		Stronger	Stiff

PERIODIC MAINTENANCE

ENGINE OIL

Engine Oil Level Measurement



1. Park the ATV on a level ground
2. Check engine oil through the Checking window.
3. The oil level should be between the maximum level (H) and the minimum level (L). If the level is too low, add oil to the proper level.

▲ CAUTION

Do not overfill the engine oil. Overfilling the engine can cause oil leaks and/or contamination of the air filter element. Always make sure the oil level is above the "L" mark but not higher than the "H" mark.

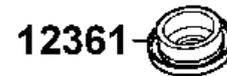
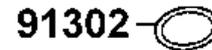
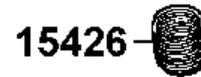
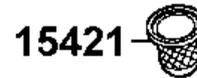
PERIODIC MAINTENANCE

Engine Oil Replacement and Oil Filter

Cleaning

Change your ATV's engine oil and clean oil filter at the scheduled intervals. The engine should always be warm when the oil is changed so the oil will drain easily and completely.

1. Park the ATV on a level ground
2. Place a suitable container under the engine
3. Remove the oil fill cap ① and oil filter cap ② to drain the oil.
4. Clean the oil strainer with solvent.
5. Inspect the O-ring and replace if damaged
6. Reinstall the O-ring, oil strainer, compression spring and oil filter cap. Tighten the oil filter cap to specification.
7. Fill the engine with oil and install the oil fill cap.
8. Warm up the engine for several minutes at idle speed. Check for oil leakage while warming up



▲ CAUTION

When removing the oil filter cap, the compression spring, oil strainer and O-ring will fall out. Take care not to lose these parts.

Before reinstalling the drain plug, be sure to install the O-ring, compression spring and oil strainer.

PERIODIC MAINTENANCE

Engine Oil Replacement

1. Park the ATV on a level ground
2. Place a suitable container under the engine
3. Remove the oil fill cap and drain plug to drain the oil.
4. Reinstall the drain plug and tighten the drain plug to specification.
5. Fill the engine with oil and install the oil fill cap.

Engine oil quantity

Periodic oil change ----- 1.4 L

Total capacity ----- 1.6 L

Engine oil type

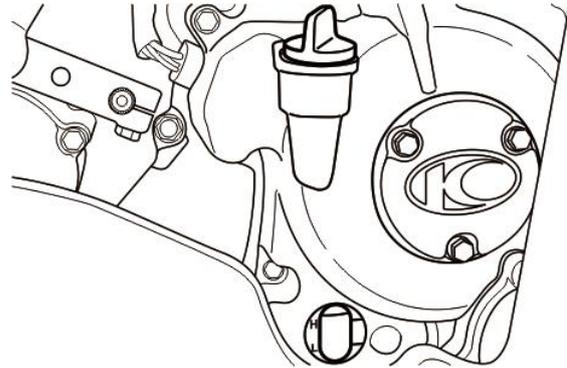
Viscosity ----- SAE 10W-30

Type ----- API SJ type

- **NOTE:** Dispose of the used oil and filter in an environmentally proper way.

▲ CAUTION

Be sure no foreign material enters the crankcase.



PERIODIC MAINTENANCE

TRANSMISSION OIL

Transmission Oil Replacement

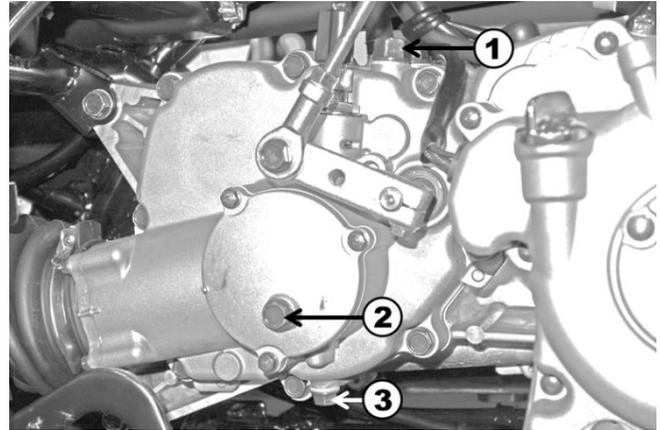
1. Place the vehicle on a level place.
2. Place a container under the engine.
3. Remove the oil filler bolt ①.
4. Remove the drain plug ③ to drain the oil.
5. Reinstall the drain plug and tighten to specification.
6. Fill the engine with oil and install the oil filler bolt.
7. Remove the oil level check bolt ②. Make sure the oil level reaches the oil level check hole.
8. Start the engine and warm up for a few minutes. While warming up, check for oil leakage. If oil leakage is found, stop the engine immediately and check for the cause.

Transmission oil quantity

Periodic oil change -----0.5L (0.43 Imp qt, 0.53 US qt)

Total capacity -----0.6L (0.52 Imp qt, 0.64 US qt)

Recommended oil ----- SAE #90



▲ CAUTION

Be sure no foreign material enters the crankcase.

PERIODIC MAINTENANCE

REAR FINAL GEAR CASE OIL

Change the oil in the rear final gear case when specified by the Maintenance Schedule. Change the oil with the final gear case warm, and the ATV on level ground to assure complete and rapid draining.

Rear final gear oil replacement

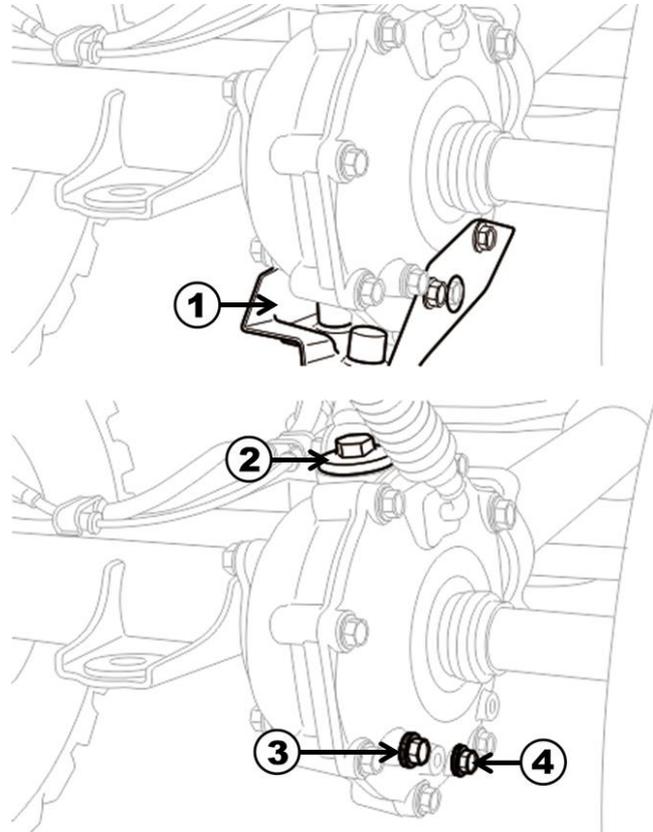
1. To drain the oil, remove the plate assy skid ① and place an oil drain pan under the oil drain plug ④.
2. Remove the oil filler cap ②.
3. Remove the drain plug.
4. After the oil has completely drained, reinstall the drain plug.
5. Fill the gear case with the recommended oil.
Remove the oil level check bolt ③. Make sure the oil level reaches the oil level check hole.
6. Install the oil filler cap, oil level check bolt and plate assy skid.

Rear final gear oil

Periodic oil change -----0.1L (0.09 Imp qt, 0.11 US qt)

Total capacity ----- 0.15L (0.13 Imp qt, 0.16 US qt)

Recommended oil ----- SAE #80



PERIODIC MAINTENANCE

SPARK PLUG

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine and how well it is operating.

A light brown insulator indicates that the spark plug is correct.

A very white center electrode porcelain color could indicate an intake air leak or a fuel injection problem. Do not attempt to diagnose such problems yourself. Instead, take your ATV to your KYMCO dealer.

Before inspecting a spark plug, clean the area around the spark plug to prevent dirt from entering the engine when removing or installing the spark plug.

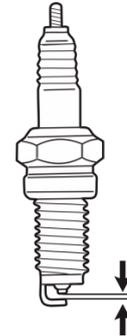
Spark plug specifications

Brand----- NGK

Size-----DPR7EA-9

Electrode gap ----- 0.031 - 0.035 in (0.8 - 0.9 mm)

■ **NOTE: Before installing the spark plug, measure the electrode gap and adjust it to the proper specification.**



When installing the spark plug, always clean the spark plug's gasket surface on the cylinder head and make sure the sealing washer is fitted to the spark plug. Wipe any grime from the threads before installation.

Hand threads the spark plug initially into the cylinder head so you can be sure the threads are engaging properly. Then tighten with a spark plug socket to the specified torque.

Tightening torque

Fastener	Torque		
	ft·lb	n·m	kgf·m
Spark plug	7.2~10.1	9.8~13.7	1.0~1.4

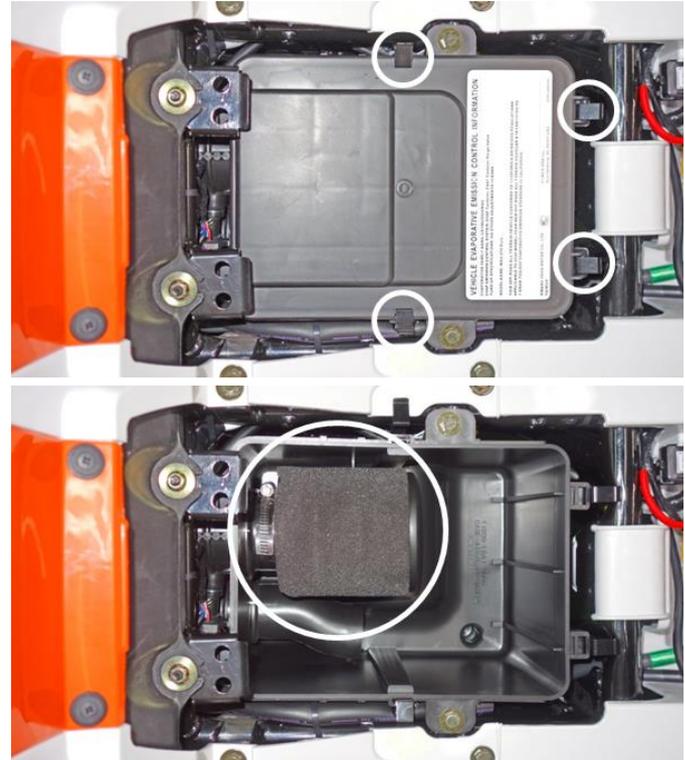
PERIODIC MAINTENANCE

AIR CLEANER FILTER

The air cleaner's filter element (air filter) captures dust in the intake air and prevents it from entering the engine. Because of this dust, it must be cleaned periodically. If you ride your ATV in dusty areas, the air filter must be cleaned more frequently than suggested in the Maintenance Schedule. If you submerge the ATV in water, the air cleaner compartment must be drained of water immediately, and the air filter should be checked for damage.

Air Filter Cleaning

1. Remove the seat
2. Remove the air cleaner cover by pushing 4 metal clips.
3. Remove the filter element
4. Fill an adequately sized wash pan with a nonflammable solvent and wash the element clean of debris.
5. Squeeze the element by pressing it between the palms of both hands to remove excess solvent. Do not twist or ring-out the element or you may damage it.
6. Dry the element.



PERIODIC MAINTENANCE

7. Put the element into a plastic bag. Pour air filter oil into the bag and work the oil into the element.
8. Squeeze the element to remove excess oil.
9. Clean any dirt or debris from inside the air cleaner. Be sure no dirt enters the carburetor.
10. Re-install the air filter and cover.

▲ CAUTION

A torn air filter can cause damage to your ATV's engine. Dirt and dust may get inside the engine if the element is torn. Carefully examine the element for tears before and after cleaning it. Replace the element with a new one if it is torn or damaged in any way.

PERIODIC MAINTENANCE

THROTTLE LEVER ADJUSTMENT

Proper throttle lever adjustment is required so you can precisely control the engine's power output.

■ **NOTE:** Adjust the engine idle speed before adjusting the throttle lever free play.

To adjust the throttle lever free play:

1. Slide the protective rubber sleeve back to expose the throttle cable adjuster ①.
2. Loosen the lock nut on the adjuster, then turn the adjuster in or out to obtain the proper free play ② at the throttle lever.

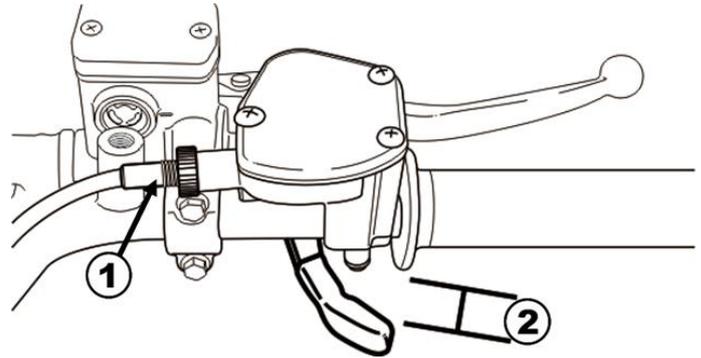
Adjustment specification

Throttle lever free play----- 1/8 – 1/4 in (3 – 5mm)

3. After adjustment, tighten the lock nut and slide the rubber sleeve back over the cable adjuster.

Other checks:

Check the throttle cable for kinks or signs of wear that could cause stretching or failure. Lubricate the throttle cable with a commercially available lubricant to prevent premature wear and corrosion.



PERIODIC MAINTENANCE

BRAKE

Brake Hoses

Carefully inspect the hydraulic brake hoses for cracks or other damage. If found, take the ATV to an authorized KYMCO ATV dealer to have the brake hoses replaced.

Brake Pads

The clearance between the brake pads and brake disc is adjusted automatically as the pads wear. The only maintenance that is required is to replace brake pads when they become worn. To check the thickness of the brake pads follow the procedure below:

1. Remove the front wheel
2. Measure the thickness of each brake pad
3. If the thickness of the pads is less than 1.0 mm (0.039 in), take the ATV to a KYMCO ATV dealer to have brake pads replaced.
4. Reinstall the wheel and tighten the lug nut to 40 ft·lb.

Rear Foot Brake

Your ATV's rear foot brake must be maintained periodically to remain full function.

⚠ WARNING

Before service, wait for the muffler to cool to avoid burns.



- **NOTE: The brake fluid reservoir is located under the seat.**

Press down on the rear brake pedal several times to check for firmness.

If the pedal response is not firm, the system must be bled.

PERIODIC MAINTENANCE

Brake Fluid Inspection

Check the brake fluid level and appearance in the brake fluid reservoirs.

Check the fluid in each brake fluid reservoir:

1. Check if the fluid level is below the lower level mark through the inspection window.
2. If brake fluid below the “L” mark (Hand brake) or “**LOWER**” mark (Foot brake), remove the reservoir cap and add brake fluid of the proper type.
3. The fluid level must not be higher than “**UPPER**” mark for foot brake.

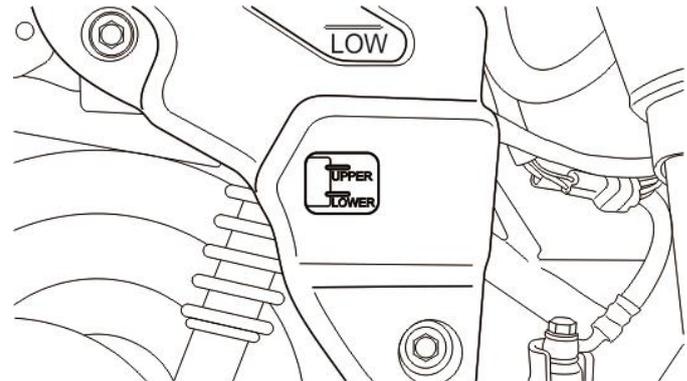
Fluid specification

Hand brake fluid ----- DOT 4 (from a sealed container)

Rear foot brake fluid ---- DOT 3 (from a sealed container)

▲ CAUTION

Be careful not to spill any fluid when filling the brake fluid reservoir. Brake fluid can damage the finish of plastic parts, so wipe away spilled fluid immediately.



PERIODIC MAINTENANCE

COOLING SYSTEM INSPECTION

Your ATV is equipped with a liquid-cooled engine which provides an excellent balance of performance, longevity and operating efficiency. Maintaining the fluid in the cooling system is essential for proper engine life and performance.

Checking the fluid level in coolant reservoir:

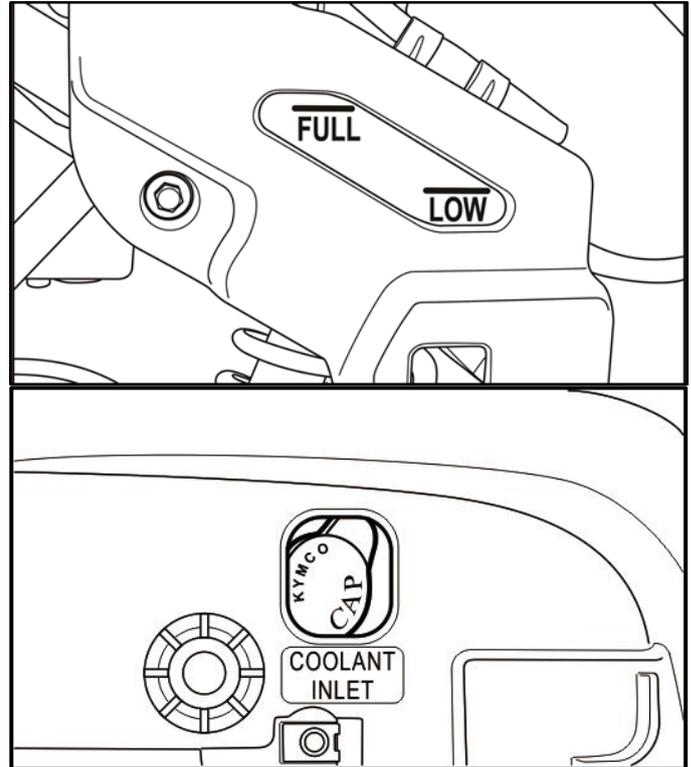
1. Check the coolant level in the coolant reservoir when the engine is cold (as the coolant level will vary with engine temperature). The coolant level should be between the “**FULL**” and the “**LOW**” marks embossed on the side of the reservoir.
2. If the fluid level is low, remove the reservoir cap and then add coolant or distilled water to raise the fluid up to the FULL mark.

▲ CAUTION

Hard water or salt water is harmful to the engine. You may use distilled water if you cannot get soft water.

Recommended Coolant Solution

Coolant Mixture Ratio: Water 50%: Antifreeze 50%(1:1)

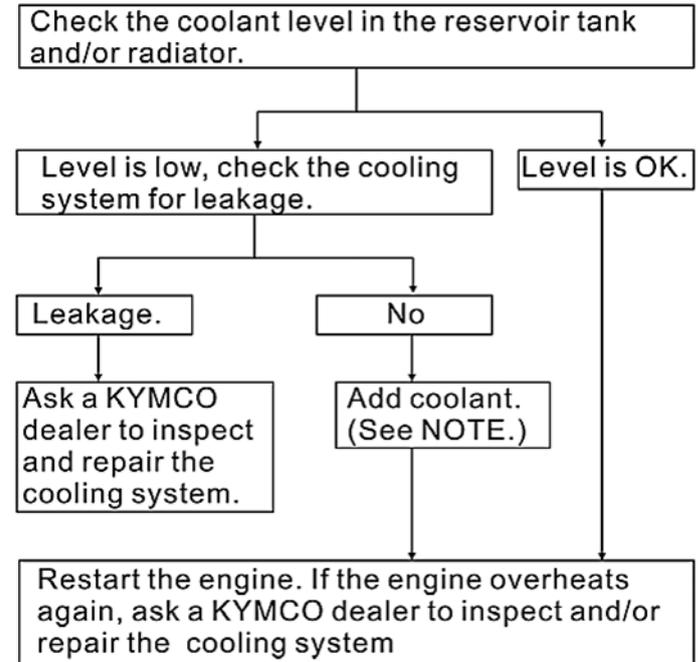


PERIODIC MAINTENANCE

- **NOTE:** If you add water to your coolant, have a KYMCO dealer check the antifreeze content of the coolant as soon as possible. A low antifreeze ratio can reduce the efficiency of the cooling system and could cause corrosive damage to engine components.
- **NOTE:** The radiator's cooling fan operation is completely automatic. It is switched on or off according to the coolant temperature in the radiator (when the ignition switch is "ON").

Engine Overheating

If your ATV's engine begins to overheat, find a place to safely stop and allow the engine to cool.



PERIODIC MAINTENANCE

⚠ WARNING

POTENTIAL HAZARD

Remove the radiator cap when the engine and the radiator are still hot.

WHAT CAN HAPPEN

You could be burned by hot fluid and steam blown out of the radiator under pressure.

HOW TO AVOID THE HAZARD

Wait for the engine to cool before removing the radiator cap. Always use a thick rag over the cap. Allow any remaining pressure to escape before completely removing the cap.

When the maintenance schedule recommends coolant fluid replacement, have this service performed by your KYMCO dealer.

- **NOTE:** If you cannot obtain the recommended coolant, tap water can be temporarily used, provided that you have your KYMCO dealer flush the system and install the proper coolant as soon as possible.

WHEELS

Wheel Removal

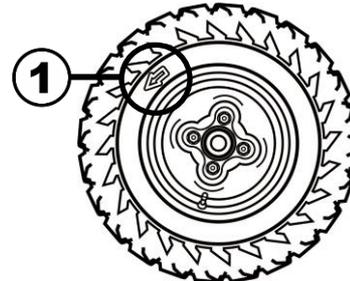
In case you need to remove a wheel for component inspection or service, follow the procedure listed below.

Wheel removal procedure:

- A. Park your ATV on a level ground and engage the parking brake.
- B. Using a suitable and sturdy stand under the frame, elevate the ATV so the wheel is off of the ground.
- C. Remove the four lug nuts from the wheel.
- D. Remove the wheel from the ATV.

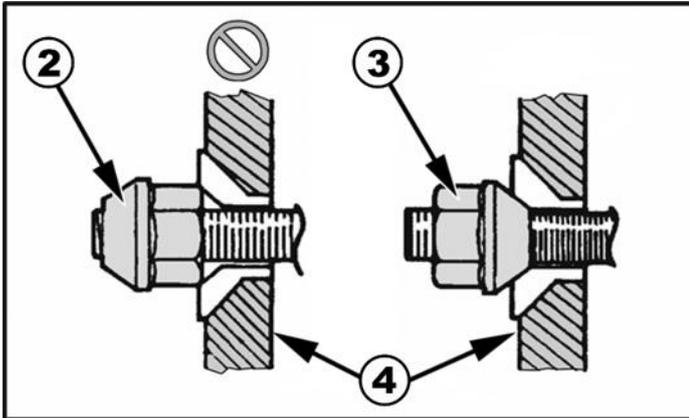
Wheel Installation

Verify the tire rotation as you reinstall the wheel on the ATV; note the directional arrow ① on the tire.



- **NOTE:** When reinstalling a wheel, tighten the wheel's lug nuts in a crisscross (rather than a circular) pattern.

PERIODIC MAINTENANCE



■ **NOTE:** Make sure the tapered side ② of the lug nuts ③ face the wheel rim ④.

■ **NOTE:** Tighten the lug nut to the specific torque.

Tightening torque:

Fastener	Torque		
	ft·lb	n·m	kgf·m
Front wheel lug nut	36.2~44.1	50~61	5.0~6.1
Rear wheel lug nut	36.2~44.1	50~61	5.0~6.1

⚠ WARNING

POTENTIAL HAZARD

Install wheels incorrectly on the ATV.

WHAT CAN HAPPEN

A wheel may come loose, possibly causing an accident

HOW TO AVOID THE HAZARD

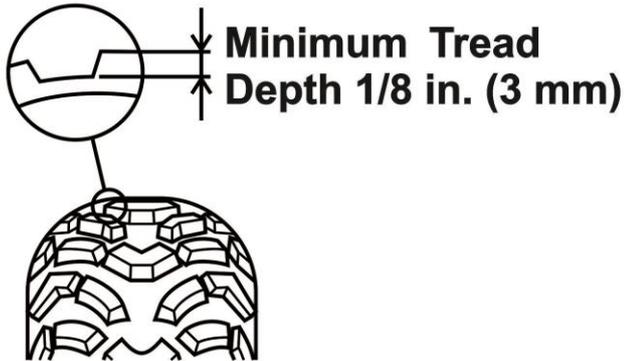
Carefully follow the instructions in the Owner's Manual.

If you have any concerns or doubts about your ability to remove or install a wheel properly, have this service performed by your KYMCO dealer.

PERIODIC MAINTENANCE

Tire Tread

The use of worn-out tires on your ATV is very dangerous. A tire is considered to be worn out when the depth of the tread is less than 1/8 in (3 mm). Be sure to replace the tires on your ATV before reaching the service limit for tread depth.



▲ WARNING

The use of worn-out tires on your ATV can be dangerous and can increase the risk of an accident.

Tire Replacement

Your ATV has low-pressure tubeless tires. Air is sealed by the contact surfaces of the inner wheel rim and the tire bead. If either the inner wheel rim or tire bead is damaged, air may leak. If you do not have access to the proper tools or lack the technical ability, have your tires serviced by an authorized KYMCO ATV dealer.

▲ CAUTION

When breaking the tire bead loose from the wheel, be extremely careful not to damage the inner wheel surface or the tire bead.

▲ WARNING

Use only KYMCO approved tires on your ATV when replacing tires. Failure to do so could result in unstable ATV operation.

PERIODIC MAINTENANCE

Tubeless Tire Repair

A leak or flat tire occurs due to a puncture, the tire may be temporarily repaired using a plug-type repair. If the damage is from a cut or if the puncture cannot be repaired using a plug, the tire must be replaced. When riding your ATV in areas where transportation or service facilities are not readily available, you should carry a plug-type repair kit and a tire pump.

▲ WARNING

The use of an improperly repaired tire on your ATV can be dangerous and can increase the risk of an accident. Have your KYMCO dealer inspect any repaired tire as soon as possible.

About Tire specification always use genuine part.

BATTERY



The battery is a sealed type, so it is not necessary to check the electrolyte level or add distilled water. If the battery is weak, see your KYMCO dealer for advice, for battery charging or replacement. If you replace the battery, select one that is sealed and is equivalent to the original battery in size and capacity.

▲ CAUTION

Be sure to read and follow all of the safety precautions imprinted on the battery.

Do not attempt to remove the caps from the top of the battery cells, as this will damage the battery.

Although the battery is sealed, it can vent explosive gases and should be handled with appropriate care.

PERIODIC MAINTENANCE

⚠ WARNING

POTENTIAL HAZARD

Allowing open flames or sparks near the battery.

WHAT CAN HAPPEN

Gases may explode and possibly cause injury.

HOW TO AVOID THE HAZARD

Do not allow open flames or sparks near the battery.

- **NOTE:** If your ATV is to be stored for an extended period of time (more than one week of nonuse), remove the battery from the vehicle and charge it fully. Then store it in a cool, dry place. If the battery is to be left on the vehicle, disconnect the negative battery terminal lead.
- **NOTE:** When charging your ATV's battery, use a battery charger designed for a sealed, maintenance-free type battery with an output acceptable to the battery's capacity.
- **NOTE:** The battery posts, terminals and related components contain lead and lead compounds. Wash your hands after handling these items.

Battery Removal



1. Make sure the ignition switch is OFF.
2. Remove the battery hold-down and then disconnect the battery cables (negative cable first)
3. Remove the battery from the battery compartment.

Install in the reverse order of work.

⚠ CAUTION

**When installing the battery, first connect the positive [+]
cable and then the negative [-] cables to avoid an electrical
short circuit.**

PERIODIC MAINTENANCE

FUSES

The fuse box is next to the battery under the seat. If there is any type of electrical system failure, always check the fuses first.



To replace a fuse

1. Make sure the ignition switch is OFF.
2. Remove the fuse box cap.
3. Remove the old fuse from the fuse holder.
4. Insert a new fuse (of the proper capacity).
5. Reinstall the fuse box cap.

⚠ CAUTION

To avoid an electrical short circuit, turn off the main ignition switch before checking or replacing a fuse.

⚠ WARNING

POTENTIAL HAZARD

Using an improper fuse.

WHAT CAN HAPPEN

An improper fuse can cause damage to the ATV's electrical system which could lead to a fire.

HOW TO AVOID THE HAZARD

Always use a fuse of the specified rating. Never use a foreign object or metal material in place of a proper fuse.

PERIODIC MAINTENANCE

LIGHT BULB REPLACEMENT

The wattage rating of each bulb is listed below. When replacing a bulb on your ATV, always use the same wattage rating.

Headlight ----- 12V/ 35W

Taillight/Brake light ----- 12V/ 5W/ 21W

▲ CAUTION

Only use light bulbs that are specified in this manual as replacement bulbs on your ATV.

Headlight

- **NOTE: The bulb portion of the headlight is fragile. HANDLE WITH CARE. When replacing the headlight bulb, do not touch the glass portion of the bulb. If the glass is touched, it must be cleaned with a dry cloth before installing. Oil residue from your skin on the bulb will cause the bulb to fail.**

To replace the headlight bulb:

- Disconnect the wiring connector from the back of the headlight
- Grasp the bulb housing, turn it counterclockwise, and remove the bulb
- Install the new bulb into the housing and rotate it completely clockwise
- Reinstall the wiring harness connector

▲ CAUTION

When replacing your ATV's headlight bulb, be careful not to touch the glass portion of the bulb. Grasp the new bulb with a clean cloth.

Taillight/ Brake Light

- To replace your ATV's taillight/ brake light bulb, use the following procedure:
- Rotate the socket counterclockwise and remove it from the housing.
- To remove the bulb from the socket, push in and rotate counterclockwise.
- To install the new bulb, push in and turn clockwise.
- Insert the socket into the housing and rotate it clockwise.

PERIODIC MAINTENANCE

HEADLIGHT BEAM ADJUSTMENT

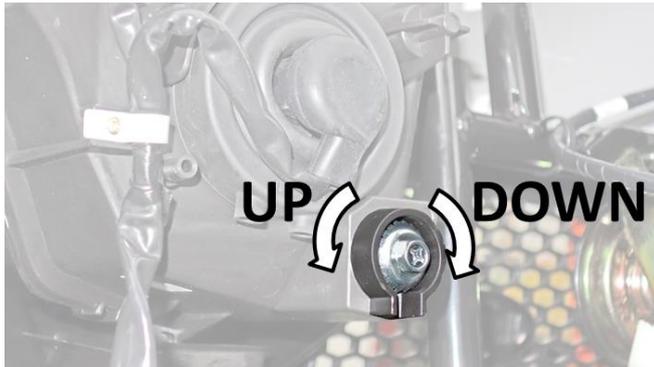
The headlight beam aim can be adjusted to best illuminate the trail when riding during low-light situations.

▲ CAUTION

It is recommended that your KYMCO dealer perform the headlight beam adjustment.

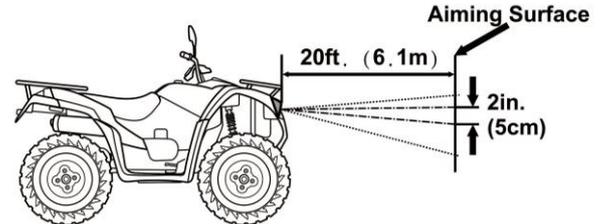
Headlight Beam Adjuster

- Engage the parking brake and make sure the transmission is in neutral.
- Adjust each headlight's aim by rotating the adjuster knob.



Setting the Headlight Aim

- Position your ATV on a level floor so the headlights are approximately 20 ft. (6.1 m) from an aiming surface (a wall or similar surface)



- **NOTE: There should be an average operating load on your ATV when adjusting the headlight aim.**
- Measure the distance from the floor to the center of each headlight
 - Using the measurements obtained in step 2, make horizontal marks on the aiming surface
 - Make vertical marks which intersect the horizontal marks on the aiming surface directly in front of the headlights
 - Switch on the ATV's lights. Make sure the HIGH beam is on. DO NOT USE LOW BEAM
 - Observe each headlight beam aim. Proper aim is achieved when the most intense beam part of the beam is centered on the vertical mark 2 in. (5 cm) below the horizontal mark on the aiming surface
 - Adjust each headlight until you achieve the correct aim by turning the adjuster knob clockwise or counterclockwise (see image at left)

PERIODIC MAINTENANCE

CONTROL CABLE INSPECTION & LUBRICATION

WARNING

POTENTIAL HAZARD

Damaged control cables.

WHAT CAN HAPPEN

Corrosion can result when the outer sheath of the control cable is damaged. Cables can also become frayed or kinked. In both cases, the operation of the controls could be affected, causing difficulty in controlling the ATV. This could lead to an accident or injury.

HOW TO AVOID THE HAZARD

Inspect the control cables frequently. Replace damaged cables as soon as they are detected.

- **NOTE:** Lubricate the inner cables and the cable ends with the recommended lubricant. Do so more frequently if the ATV is operated in wet or cold conditions, or near salt water. If the cables do not operate smoothly, ask your KYMCO dealer to replace them.
- **Cable lubricant specification KYMCO chain or cable lube -or- SAE 10W40 motor oil**

PERIODIC MAINTENANCE

TROUBLESHOOTING

Although KYMCO vehicles receive a series of rigid inspections before shipment from the factory, a problem may occur during operation. Several systems could cause difficult starting or poor engine performance. The troubleshooting chart on the opposite page provides you with an easy guide to find the root cause of a problem. If you cannot find the cause of an operational problem (or need repairs) take your ATV to your KYMCO dealer.

The skilled technicians at a KYMCO dealership have the tools, experience, and resources to properly service your ATV. Imitation parts may look like KYMCO parts, but they are often inferior. Consequently they have a shorter service life and could cause other difficulties that could lead to a costly repair bill.

WARNING

POTENTIAL HAZARD

Checking the fuel system while smoking or near an open flame.

WHAT CAN HAPPEN

Fuel can ignite or explode, causing severe injury or property damage.

HOW TO AVOID THE HAZARD

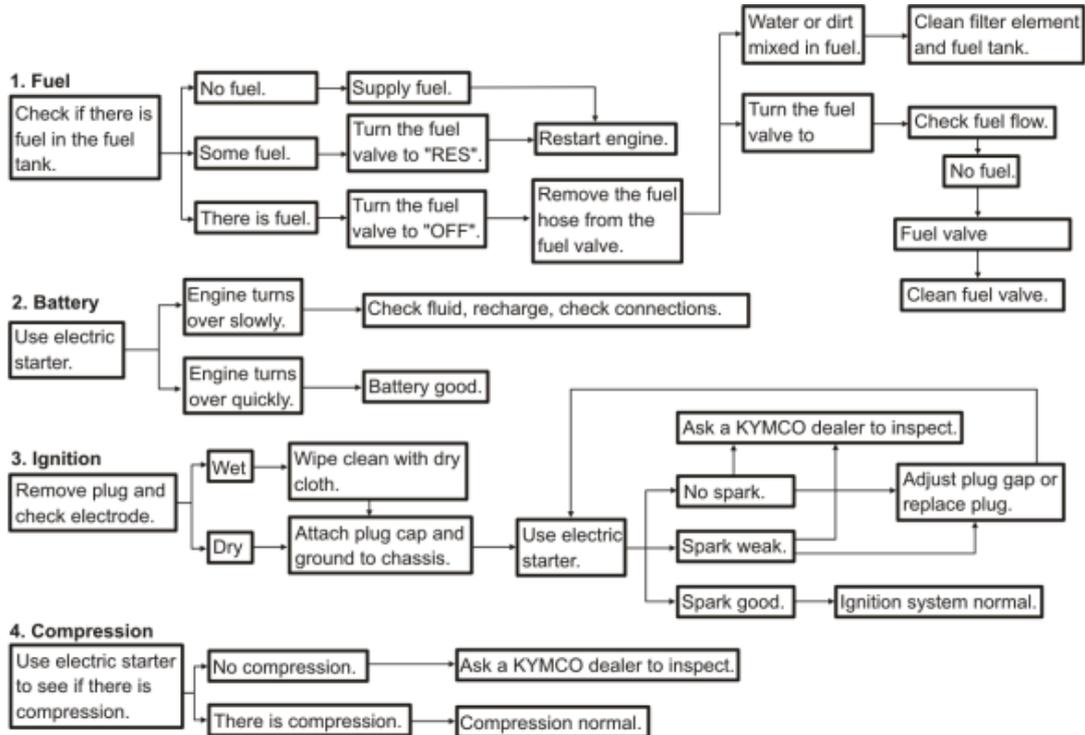
Do not smoke when checking fuel system components. Make sure there are no open flames or sparks in the area, including pilot lights from water heaters or furnaces.

If you encounter any difficulty with your vehicle's fuel system or are unsure of the cause of a performance problem with your ATV, seek assistance from your KYMCO dealer as soon as possible.

PERIODIC MAINTENANCE

Troubleshooting Chart

Follow the flow chart to find the probable cause and situation for your vehicle's difficulty.



PERIODIC MAINTENANCE

CLEANING YOUR ATV

Frequent and thorough cleaning of your ATV will not only enhance its appearance but will improve its general performance and extend the useful life of many components. Additionally, thorough cleaning will help you to become familiar with your ATV and you will be able to recognize changes in its condition that will alert you that the vehicle requires service or repairs. This will assist you in making sure your ATV is safe for you and others to operate.

1. Before cleaning the ATV:
 - A. Block the end of the exhaust pipe to prevent water entry. Use a commercially available, tapered rubber plug or a plastic bag with a strong rubber band to cover the end of the exhaust.
 - B. Make sure the spark plug and all fluid/oil filler caps are properly installed.
 - C. Remove any items, such as the tool kit or Owner's Manual that could be damaged by water during cleaning. After cleaning, stow these items in plastic bags within the storage compartments.
2. If the engine case is excessively dirty or greasy, apply degreaser with a paint brush. Do not apply degreaser to the drive chain and sprockets (if equipped) or the wheel axles.

▲ CAUTION

Excessive water pressure may cause water and deterioration of wheel bearings, brakes, engine and transmission seals and electrical devices. Expensive repair bills can result from high-pressure water and detergent intrusion, which can be caused by a coin-operated car wash or even a small, home-style pressure washer. Damage caused by water intrusion of this type is not a defect, and repairs are not covered by the KYMCO Limited Warranty.

3. Rinse the dirt and degreaser off with a garden hose under normal pressure. Use only enough water pressure to rinse the engine clean.
4. Once the majority of the dirt has been rinsed off, wash all of the surfaces with warm water and a mild, detergent- type soap. Small brushes, such as a tapered bottle brush or old toothbrush, are effective for cleaning hard-to- reach areas.
5. Rinse the ATV off immediately with clean water and dry all surfaces with a chamois, clean towel or soft absorbent cloth.
6. If the ATV is equipped with a chain, dry the chain and lubricate it to prevent rust.

PERIODIC MAINTENANCE

7. Lubricate other items, such as the exposed ends of control cables, to dissipate any moisture and prevent corrosion.
8. Remove the seat and clean and dry the under-seat compartment, plus any components that may be dirty or wet.
9. Clean the seat with vinyl upholstery cleaner to keep the cover pliable and glossy.
10. Automotive type wax can be applied to all painted and chrome plated surfaces. Avoid combination cleaner-waxes as they may contain abrasives which may mar the paint or protective finish.
11. When finished, start the engine and allow it to idle for several minutes to evaporate any residual moisture.

⚠ WARNING

POTENTIAL HAZARD

Operating your ATV with wet brakes after washing.

WHAT CAN HAPPEN

Wet brakes have reduced stopping ability which can increase the chance of an accident.

HOW TO AVOID THE HAZARD

Test the brakes after washing. Apply the brakes several times at slow speeds to let friction dry out the brake pads and rotors.

PERIODIC MAINTENANCE

STORE THE ATV

Preparation

⚠ CAUTION

Excessive water pressure may cause water and deterioration of wheel bearings, brakes, engine and transmission seals and electrical devices. Expensive repair bills can result from high-pressure water and detergent intrusion, which can be caused by a coin-operated car wash or even a small, home-style pressure washer. Damage caused by water intrusion of this type is not a defect, and repairs are not covered by the KYMCO Limited Warranty.

KYMCO recommends the procedures listed on these pages to prepare your ATV for storage. Following these recommendations will help you avoid deterioration of your ATV from nonuse during an extended storage period. If you lack the technical ability to prepare your ATV for storage, consult an authorized KYMCO dealer about performing this service.

1. Change the engine oil.
2. Drain the fuel tank. Be sure to drain the fuel in a well-ventilated area, not in a garage or similar structure.

⚠ WARNING

POTENTIAL HAZARD

Handling fuel improperly when refueling the ATV.

WHAT CAN HAPPEN

Fuel can ignite or explode, causing severe injury or property damage.

HOW TO AVOID THE HAZARD

Always refuel the ATV or handle fuel in a well-ventilated area with the engine off. Do not smoke or allow open flames or sparks in the area where the fuel is being handled.

Do not overfill the tank or the fuel storage container. Be careful to not spill fuel when refueling or draining a fuel tank. After refueling, make sure the fuel filler cap is closed properly and securely.

If any fuel is spilled, make sure the area is dry before starting an engine.

If you encounter any difficulty with your vehicle's fuel, seek assistance from your KYMCO dealer.

- **NOTE: If you do not drain the fuel tank completely, add a fuel stabilizer to the fuel in the tank. See your KYMCO dealer to obtain this additive.**

PERIODIC MAINTENANCE

⚠ WARNING

POTENTIAL HAZARD

Prolonged contact of fuel with skin, or breathing fuel vapor.

WHAT CAN HAPPEN

Contact with fuel can cause skin irritation. Fuel vapor can cause lung damage.

HOW TO AVOID THE HAZARD

Avoid repeated or prolonged contact of fuel with skin or inhaling of fuel vapor.

KEEP FUEL OUT OF THE REACH OF CHILDREN.

3. Remove the spark plug and pour one tablespoon (15 - 20cc) of clean engine oil into the cylinder. Use the electric starter to turn the engine over a few revolutions to distribute the oil, and then reinstall the spark plug.
4. Remove the battery and store it in an area protected from freezing temperatures and direct sunlight, and that is out of the reach of children. Charge the battery at least once a month during storage, using a proper capacity battery charger at the rate specified for the battery.

⚠ WARNING

POTENTIAL HAZARD

Allowing open flames or sparks near the battery.

WHAT CAN HAPPEN

Gases from the battery may explode and may cause injury.

HOW TO AVOID THE HAZARD

Do not allow open flames or sparks near the battery.

If you encounter any difficulty with your vehicle's battery or its charging, seek assistance from local KYMCO dealer.

5. Wash and dry the ATV, and wax all painted surfaces.
6. Inflate the tires to their recommended pressures.
7. Place the ATV on block to raise all four tires off the ground.

⚠ CAUTION

Do not store your ATV outside in direct sunlight to avoid damage to the body work. If you place a cover over the ATV, make sure it is a ventilated type. Avoid using a plastic cover as moisture can condense on the ATV, causing rust and corrosion.

PERIODIC MAINTENANCE

Preparation of Your ATV for Riding after Storage

After storage, your ATV requires particular attention and adjustments to make sure you will enjoy many miles of trouble-free riding. To take your ATV out of storage, KYMCO recommends using the following procedure:

1. Clean your ATV thoroughly
2. Clean the engine. Remove the plug or the protective plastic sheet that is covering the exhaust system outlet
3. Check all control wires and cables for signs of wear or fraying. Replace any suspect items
4. Change the engine/transmission oil.
5. Charge the battery before installation. When installing the battery, connect the positive cable first.
6. Inspect the front and rear brake systems. Verify the good condition of the brake fluid and pads, and that the braking controls operate properly.
7. Verify the proper operation and adjustment of all controls, headlights, taillights, brake lights, and the headlight aim - adjust or replace items as necessary.
8. Check the tire pressures - inflate the tires to the recommended pressure.
9. Tighten all nuts, bolts, cap screws, and screws - tighten these fasteners to the proper torque specification. Make sure that the rivets holding components together are tight. Replace any loose rivets.
10. Make sure the steering moves freely and does not bind.
11. Check the spark plug - clean or replace as necessary.
12. Follow the recommendations listed in the Pre-Ride Inspection section of this manual.

▲ CAUTION

Before installing the battery, make sure the ignition switch is in the OFF position. Connect the positive cable to the battery first.

SPECIFICATIONS

SPECIFICATION CHART

DIMENSIONS	
Length (Overall)	74.4±0.79 in (1890±20 mm)
Width (Overall)	42.1±0.79 in (1070±20 mm)
Height (Overall)	46.3±0.79 in (1175±20 mm)
Seat height	32.3±0.39 in (820±10 mm)
Wheelbase	45.7±0.39 in (1160±10 mm)
Minimum ground clearance	9.25±0.39 in (235±10 mm)
Minimum Turning radius	114.17±3.94 in (2900±100 mm)
WEIGHT	
MXU 270i EURO with engine oil and full fuel tank	555.6±8.8lbs (252±4 kg)
MXU 270i EURO without engine oil and empty fuel tank	524.7±8.8 lbs (238±4 kg)
ENGINE	
Type	Liquid cooled, 4-stroke, DOHC
Cylinder arrangement	Single cylinder
Displacement	271
Bore and stroke	2.86 * 2.56 in (72.7 * 65.2 mm)
Compression ratio	10.8:1
Starting system	Electric starter
Lubrication system	Wet sump

* Specifications subject to change without notice.

SPECIFICATIONS

ENGINE & TRANSMISSION OIL TYPES & CLASSIFICATIONS

Engine oil type (viscosity chart)	<p>ENGINE OIL VISCOSITIES</p> <p>The chart displays the operating temperature ranges for five different engine oil grades. The x-axis is labeled with temperature in degrees Celsius (-10, 0, 10, 20, 30, 40) and degrees Fahrenheit (0, 20, 40, 60, 80, 100). The oil grades and their corresponding temperature ranges are:</p> <ul style="list-style-type: none"> 20W-40 20W-50: -10°C to 40°C 15W-40 15W-50: -10°C to 30°C 10W-40: -10°C to 20°C 10W-30: -10°C to 10°C 5W-50: -10°C to 0°C
Engine oil classification	API Service SJ type or higher
Transmission gear oil classification	SAE #90
Rear gear box oil classification	SAE #80
ENGINE & TRANSMISSION OIL CAPACITIES	
Engine oil (periodic oil change)	1.4 L
Engine oil (total amount)	1.6 L
Transmission gear oil (periodic oil change)	0.5L
Transmission gear oil (total amount)	0.6 L
Rear drive gear oil (periodic oil change)	0.1L
Rear drive gear oil (total amount)	0.15 L

* Specifications subject to change without notice.

SPECIFICATIONS

INTAKE, FUEL & IGNITION	
Air filter	Wet, foam type
Fuel (type)	UNLEADED Petrol
Fuel tank capacity	13L
Fuel tank reserve capacity	1.8L
Carburetion	KYMCO/ PTA1 fuel injection
Spark plug type	DPR7EA-9
Spark plug gap	0.8~0.9mm
BRAKES	
Front brake type	Disc brake
Rear brake type	Disc brake
SUSPENSION	
Front	Dual A-arm type
Rear	Swing arm
Front shock absorber	Coil spring/oil damper style
Rear shock absorber	Coil spring/oil damper style

* Specifications subject to change without notice.

SPECIFICATIONS

TIRES	
Tire type	Tubeless (BIAS RUBBER)
Front tire/ air pressure (driver only)	22 X 7-10/ 4.55 psi, 0.32 kgf/cm ² , 31.38 kpa
Rear tire/ air pressure (driver only)	22 X 10-10/ 3.41 psi, 0.24 kgf/cm ² , 23.53 kpa
ELECTRICAL	
Ignition system	ECU - automatic control
Generator system	A.C. magneto
Battery type	12V, 12AH MF-type
Headlight	12V 35W/ 35W*2
Brake light	12V 21W/ 5W *2
Tail light	12V 21W/ 5W*2
Position light	FR: 12V 0.5W*2 (LED)/ RR: 12V 21W/ 5W*2
Turn signal light	FR:12V 4.6W*2 (LED)/ RR:12V 10W*2
LOAD	
Maximum weight capacity	400lbs (182kg)
Maximum cargo rack capacity	FR: 44lbs (20kg)/ RR: 66 lbs (30kg)
Maximum tongue weight	35lbs (16kg)
Maximum towing capacity	500lbs (227kg)

* Specifications subject to change without notice

EMISSION & NOTES TAMPERING ALERTS

EXHAUST CONTROL SYSTEM

VEHICLE EMISSION CONTROL INFORMATION

ENGINE DISPLACEMENT: 271cc
ENGINE FAMILY: LKYMx.271MXU
PERMEATION FAMILY: LKYMPP403B03
THIS VEHICLE IS CERTIFIED TO OPERATE ON GASOLINE. THIS VEHICLE MEETS U.S. EPA AND CALIFORNIA REGULATIONS FOR 2020 MODEL YEAR NEW ATVS AND IS CERTIFIED TO 1.5 G/KM HC+NOX, 35 G/KM CO AND 1.2 G/KM HC, 15.0 G/KM CO EXHAUST EMISSION STANDARD IN CALIFORNIA.

ENGINE EXHAUST CONTROL SYSTEM: TBI, HO2S

KWANG YANG MOTOR CO., LTD
TAIWAN



ENGINE TUNEUP SPECIFICATIONS:
IGNITION TIMING: NOT ADJUSTABLE
IDLE SPEED: 1600±100rpm IN NEUTRAL
IDLE MIXTURE: NOT ADJUSTABLE
VALVE CLEARANCE: INTAKE & EXHAUST:
0.10±0.02mm
SPARK PLUG: NGK DPR7EA-9
SPARK PLUG GAP: 0.8~0.9mm
FUEL: UNLEADED GASOLINE ONLY -87(R+M)/2

OCTANE
OIL: 10W-30 (SEE OWNER'S MANUAL)
MANUFACTURED: / (MONTH/YEAR)

KYMCO USA Inc.
Spartanburg, SC 29307 USA 87234-AHNB-M30

VEHICLE EVAPORATIVE EMISSION CONTROL INFORMATION

EVAPORATIVE FAMILY NAME: LKYMU0008MXU
EVAP EMISSION CONTROL SYSTEM: EVAP Canister, EVAP Canister Purge Valve
TUNE-UP SPECIFICATIONS: NO OTHER ADJUSTMENTS NEEDED

MODEL NAME: MXU 270 Euro

THIS OFF-ROAD ALL TERRAIN VEHICLE CONFORMS TO CALIFORNIA EMISSIONS REGULATIONS APPLICABLE TO 2020 MODEL-YEAR NEW OFF-ROAD ALL TERRAIN VEHICLES & IS CERTIFIED TO 1 GRAM TOG/DAY EVAPORATIVE EMISSION STANDARD IN CALIFORNIA.

KWANG YANG MOTOR CO., LTD
TAIWAN



KYMCO USA Inc.
Spartanburg, SC 29307 USA

87234-AHNB-M31

Complying with EPA Exhaust Emission Standard, the vehicle is equipped with following parts in the Exhaust Control System:

- Electronic Control Unit (ECU)
- Crankcase Ventilation Valve
- Catalytic Converter
- Throttle Valve
- Canister
- Various sensors:
 - Air Intake Temperature Sensor
 - Air Intake Pressure Sensor
 - Throttle Position Sensor
 - O₂ Sensor
 - Temperature Sensor
 - Reverse Sensor

MAINTENANCE RECORD

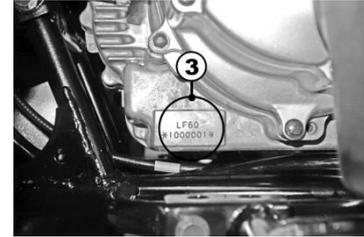
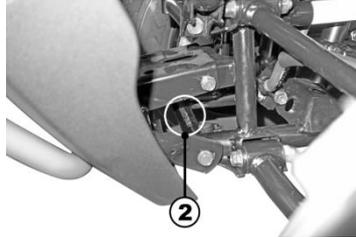
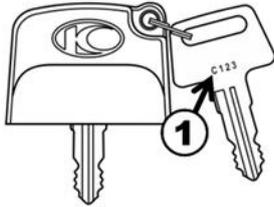
MAINTENANCE RECORD

In the event your ATV requires repairs that may be covered by the KYMCO Limited Warranty, you will be required to present records and documents chronicling the maintenance history for the vehicle. The chart below can help you organize your records and serves as a reminder of the essential maintenance intervals. The chart alone is not documented proof of service; you will need to maintain copies of dealership repair orders and receipts of all maintenance-related purchases.

MAINTENANCE INTERVAL	SERVICE DATE	SERVICE DEALER (AND ADDRESS)	SERVICE NOTES
90 mi (150 km)			
600 mi (1000 km)			
1200 mi (2000 km)			
1800 mi (3000 km)			
2400 mi (4000 km)			
3200 mi (5000 km)			
3800 mi (6000 km)			
4200 mi (5000 km)			
4800 mi (8000 km)			
5400 mi (9000 km)			
6000 mi (10000 km)			

IDENTIFICATION NUMBERS RECORD

IDENTIFICATION NUMBERS RECORD



IGNITION SWITCH KEY ID NUMBER ①

VEHICLE IDENTIFICATION NUMBER (VIN) ②

ENGINE SERIAL NUMBER (ESN) ③

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