

IMPORTANT NOTICES

READ THIS MANUAL CAREFULLY

Your Owner's Manual contains important information on safety, operation, and maintenance. Anyone who operates this ATV should carefully read and understand the contents of this manual before riding the vehicle.

AGE RECOMMENDATION

50 c.c.: The minimum recommended age for this ATV model is 6. Children under age 6 should never operate this vehicle.

RIDER TRAINING

Anyone who operates this vehicle should get proper instruction.


FOR ON-ROAD USE ONLY

This machine is designed and manufactured for ON-ROAD use only. It is illegal and unsafe to operate this machine on any hills and rough or loose terrain.

This machine complies with all applicable ON-ROAD noise level and spark arrester laws and regulation in effect at the time of manufacture.

Please check your local riding laws and regulations before operating this machine.

SPECIAL MESSAGES

KYMCO provides many important safety messages both in this manual and on the vehicle. For your safety and the safety of others, pay special attention to all warnings preceded by this alert symbol . Failure to follow the warnings contained in this manual can result in SERIOUS INJURY or DEATH.



Indicates a strong possibility that serious injury or death may result if instructions are not followed.

CAUTION

Indicates a possibility that equipment or property damage could result if instructions are not followed.

Note:

Gives helpful information

The Owner's Manual should be considered a permanent part of your ATV. It should remain with the vehicle at all times and stay with the ATV if it is sold.

PREFACE

Congratulations on your purchase of the KYMCO ATV. KYMCO take pride in a worldwide reputation for quality-in research, design, production and service.

For replacement parts and accessories, we recommend genuine KYMCO products. They've been specially designed for your vehicle and manufactured to meet KYMCO's demanding standards.

This manual will provide you with a good basic understanding of the features and operation of this machine. This manual includes important safety information. It provides information about special techniques and skills necessary to ride your machine. It also includes basic maintenance and inspection procedures. If you have any questions regarding the operation or maintenance of your machine, please consult a KYMCO dealer.

We wish you have a safe and enjoyable riding. While reading this manual, remember:



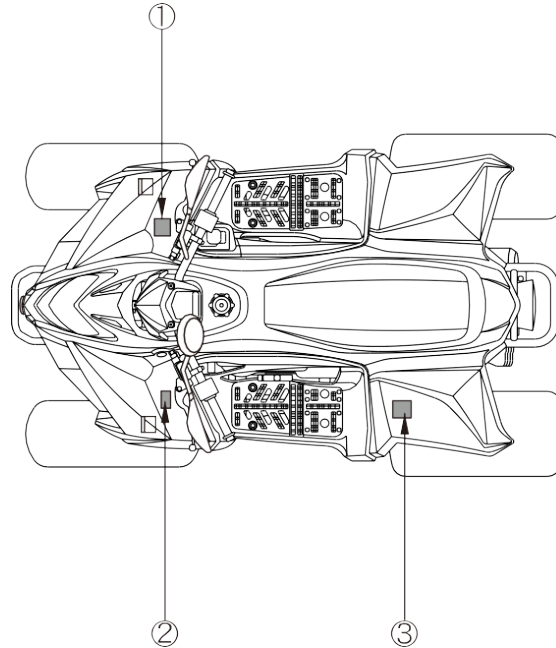
Indicates a strong possibility that serious injury or death may result if instructions are not followed.

All information in this publication is based on the latest product information available at the time of approval for printing. KWANG YANG MOTOR CO.,LTD reserves the right to make changes at any time without notice and without incurring any obligation.

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LOCATION OF THE WARNING AND SPECIFICATION LABELS




WARNING LABELS


① LABEL TIRE ON ROAD

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH.



ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR



NEVER USE WITH ALCOHOL OR DRUGS

NEVER operate :

- Without proper training or instruction.
- At speeds too fast for your skills or the conditions.

Do not operate the vehicle after consuming **ALCOHOL OR DRUGS.**


ALWAYS :

- Use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.
- For your safety, wear gear to include helmet gloves and foot protection.
- Gasoline is flammable shut off engine, avoid sparks and open flame when refueling.

READ OWNER'S MANUAL, FOLLOW ALL INSTRUCTIONS AND WARNINGS.

② CAUTION DRIVE AGE

⚠ WARNING



Operating this ATV if you are under the age of 6 increases your chance of severe injury or death.

NEVER operate this ATV if you are under age 6.

③ CAUTION LIST ON ROAD

IMPROPER TIRE PRESSURE OR OVERLOADING CAN CAUSE LOSS OF CONTROL.

LOSS OF CONTROL CAN RESULT IN SEVERE INJURY OR DEATH.

OPERATING TIRE PRESSURE : Set with tires cold •

Recommended :

FRONT : 22~28 kpa, (0.22~0.28 kgf/cm²), 3.2~4.0 psi

REAR : 22~28 kpa, (0.22~0.28 kgf/cm²), 3.2~4.0 psi

• Never set tire pressure over the recommended.



SAFETY INFORMATION

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE. An ATV handles differently from other vehicles including motorcycles and cars. A collision can occur quickly, even during routine maneuvers, if you fail to take proper pre-cautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures described.
- Never operate an ATV without proper training or instruction. Beginners should receive training from a certified instructor.
- Always follow the age recommendation:
 - A child under 6 years old should never operate an ATV with engine size greater than 70cc.
- Never allow a child under age 16 to operate an ATV without adult supervision, and never allow continued use of an ATV by a child if he or she does not have the abilities to operate it safely.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating this ATV.
- Never operate at speeds too fast for your skills or the conditions. Always go at a speed that is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheel, jump, or other stunt.
- 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 manual.
- Always keep both hands on the handlebars and both feet on the footboards of the ATV during operation.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when

operating the ATV.

- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at a low speed before attempting to turn at faster speeds. Do not turn at excessive speed.
- Never operate the ATV on hills.
- Always follow proper procedures for climbing slopes as described in this manual. Check the terrain carefully before you start up any slope. Shift your weight forward. Never open the throttle suddenly. Never go over the top of a slope at high speed.
- Always follow proper procedures for going down slopes and for braking on slopes as described in this manual. Check the terrain carefully before you start down any slope. Shift your weight backward. Never go down a slope at high speed. Avoid going down slope at an angle that would cause the vehicle to lean sharply to one side. Go straight down the slope where possible.
- Never attempt to turn the ATV around on any slope until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep slope if possible.
- Always check for obstacles before operating in a new area. Never attempt to operate 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 careful when skidding or sliding. Learn to safely control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely 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 that recommended in this manual. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.

- Never modify an ATV through improper installation or use of accessories.
- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo. Allow greater distance for braking.



WARNING

POTENTIAL HAZARD

Improper handling of gasoline.

WHAT CAN HAPPEN

Gasoline can catch fire and you could be burned.

HOW TO AVOID THE HAZARD

Always turn off the engine when refueling. Do not refuel right after the engine has been running and is still very hot.

Do not spill gasoline on the engine or exhaust pipe/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 water heaters and clothes dryers.

When transporting the machine in another vehicle, be sure it is kept upright and that the fuel cock is in the "OFF" position.

Otherwise, fuel may leak out of the carburetor or fuel tank.

WHAT CAN HAPPEN

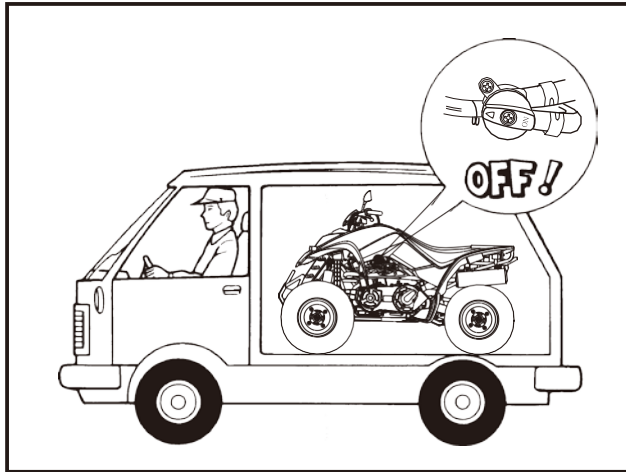
Gasoline is poisonous and can cause injuries.

HOW TO AVOID THE HAZARD

If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately.

If gasoline spills on your skin, wash with soap and water.

If gasoline spills on your clothing, change your clothes.



POTENTIAL HAZARD

Starting or running the engine in a closed area.

WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

Always operate your machine in an area with adequate ventilation.

DESCRIPTION AND MACHINE IDENTIFICATION

Identification number records

Record the keys identification number, frame serial number, engine serial number and model code information for assistance when order replacement parts.

IGNITION SWITCH KEY NO.

FRAME NO.

FRAME NO. ENGINE

MODEL CODE

Keys identification number

The keys identification number is stamped on the hang tag as shown in the following illustration.



(1) Ignition switch key identification number

PERIODIC MAINTENANCE AND ADJUSTMENT

Periodic inspection, adjustment and lubrication will keep your machine in the safest and most efficient condition possible. Safety is an obligation of the machine owner. The most important points of machine inspection, adjustment and lubrication are explained on the following pages.

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

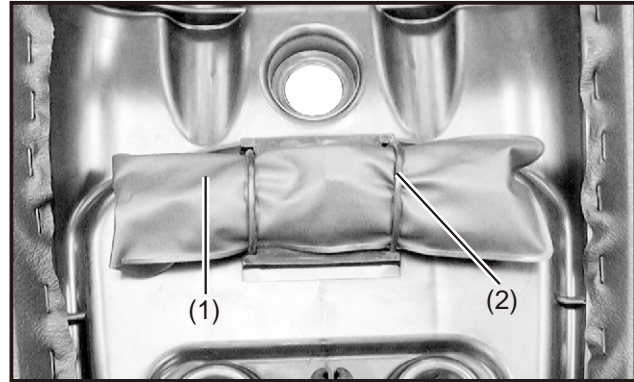
Turn off the engine when performing maintenance unless otherwise specified.

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

Tool kit

A tool kit is provide with your ATV.

You are recommended to put the tool kit in the vinyl bag and always carry them on the seat reverse side.



(1) Tool kit (2) Rubber band

The tools in the kit 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:

- Spark plug wrench
- Standard/Phillips screwdriver
- Air pressure gauge
- Screwdriver handle
- 10/12 mm wrench
- Tool bag
- Rubber band

 **WARNING**

POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situation could lead to an accident.

HOW TO AVOID THE HAZARD

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

PERIODIC MAINTENANCE / LUBRICATION

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Drive chain	<ul style="list-style-type: none"> • Check and adjust slack/alignment/clean/lube. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fuel line*	<ul style="list-style-type: none"> • Check fuel hose for cracks or damage. • Replace if necessary. 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transmission oil	<ul style="list-style-type: none"> • Check oil level/oil leakage. • Replace every 12 months. 	<input type="radio"/>				<input type="radio"/>
V-belt*	<ul style="list-style-type: none"> • Check operation. • Replace if damage or excessive wear. 	<input type="radio"/>				<input type="radio"/>
Air filter element	<ul style="list-style-type: none"> • Clean. • Replace if necessary. 	Every 20-40 hours (More often in wet or dusty areas.)				
Brake*	<ul style="list-style-type: none"> • Check operation and brake fluid/cable. • Replace brake pads/shoes if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Battery*	<ul style="list-style-type: none"> • Check specific gravity if necessary. • Check breather hose for proper operation if necessary. • Correct if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carburetor*	<ul style="list-style-type: none"> • Check idle speed/starter operation. • Adjust if necessary. 		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wheels*	<ul style="list-style-type: none"> • Check balance/damage/runout. • Replace if necessary. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spark plug	<ul style="list-style-type: none"> • Check condition. • Adjust gap and clean. • Replace if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exhaust system*	<ul style="list-style-type: none"> • Check leakage. • Retighten if necessary. • Replace gasket if necessary. 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Wheel bearings*	<ul style="list-style-type: none"> • Check bearing assembly for looseness/damage. • Replace if damaged. 	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Steering system*	<ul style="list-style-type: none"> • Check operation. • Replace if damaged. • Check toe-in. • Adjust if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knuckle shafts/ Steering shaft*	<ul style="list-style-type: none"> • Lubricate every 6 months. 			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fittings and Fasteners*	<ul style="list-style-type: none"> • Check all chassis fittings and fasteners. • Correct if necessary. 	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

** : Lithium soap base grease.

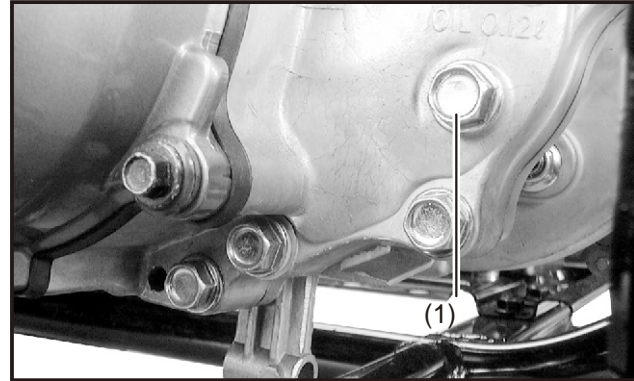
Transmission oil

1. Transmission oil measurement

- A. Place the machine on a level place.
- B. Remove the oil filler bolt and check the oil level. It should be up to the brim of the hole. If the level is low, add oil to raise it to the proper level.
- C. Reinstall the oil filler bolt and tighten to specification.

Tightening torque

Oil filler bolt: 15 Nm (1.5 m·kg, 11 ft·lb)



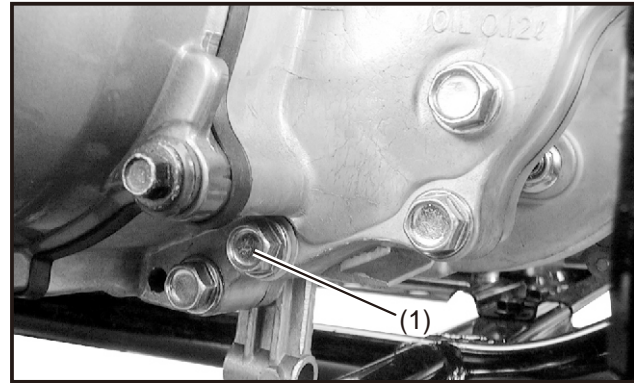
(1) Oil filler bolt / measurement hole

2. Transmission oil replacement

- A. Place the machine on a level place.
- B. Place a container under the engine.
- C. Remove the oil filler bolt and drain plug to drain the oil.
- D. Reinstall the drain plug and tighten to Specification.

Tightening torque

Drain plug: 15 Nm (1.5 m·kg, 11 ft·lb)



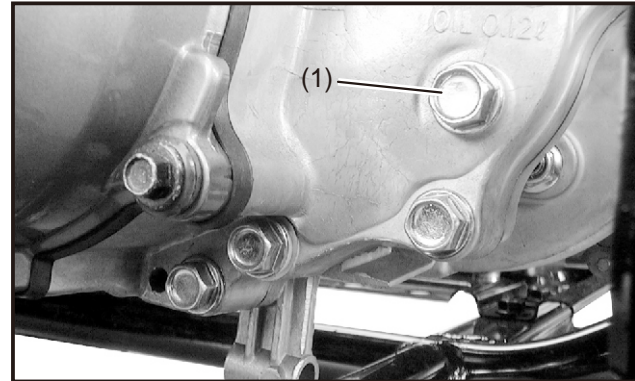
(1) Drain plug

E. Fill the engine with oil and install the oil filler bolt.

Oil quantity:

Periodic oil change: 0.2L

Total amount: 0.4L



(1) Oil filler bolt

Tightening torque Oil filler bolt:

15 Nm (1.5 m-kg, 11 ft-lb)

F. 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.

Spark plug inspection

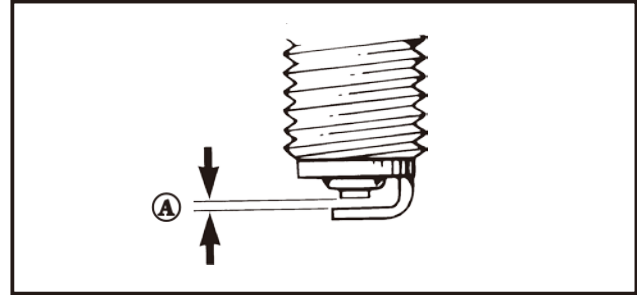
The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine.

For example, a very white center electrode porcelain color could indicate an intake air leak or carburetion problem for that cylinder. Do not attempt to diagnose such problems yourself. Instead, take the machine to a KYMCO dealer. You should periodically remove and inspect the spark plug because heat and deposits will cause the spark plug to slowly break down and erode. If electrode erosion becomes excessive, you should replace the spark plug with one of the proper type.

Standard spark plug:
NGK BR8HAS

Before installing the spark plug, measure the electrode gap with a feeler gauge and adjust to specification.

Spark plug gap:
0.6-0.7 mm (0.024-0.028 in)



A. Spark plug gap

When installing the spark plug, always clean the gasket surface and use a new gasket. Wipe off any grime from the threads and tighten to the specified torque.

Tightening torque: Spark plug:
12.5 Nm (1.25 m.kg, 9.1 ft.lb)

Air filter cleaning

The air cleaner accumulates dust and must be cleaned periodically. If the ATV is ridden in dusty areas, the air cleaner must be cleaned at more frequent intervals than specified in the Maintenance Schedule. If the ATV is submerged in water, the air cleaner should be checked and water should be drained from the air cleaner housing before starting the engine.

To clean the air cleaner:

1. Remove the air filter case cover.
2. To clean the air cleaner:
3. Remove the air filter element, and separate it from the box.
4. Wash the element gently but thoroughly in solvent.
5. Squeeze the excess solvent out of the filter and let it dry.

WARNING

POTENTIAL HAZARD

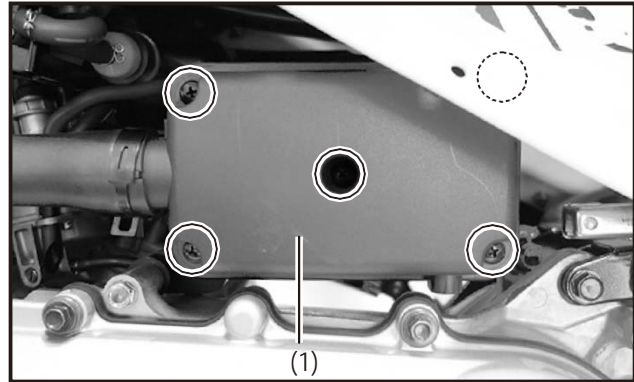
Using low flash point solvents or gasoline to clean the air filter element.

WHAT CAN HAPPEN

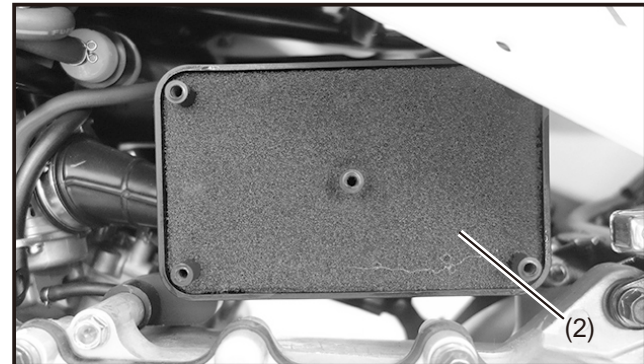
Low flash point solvents or gasoline can catch fire or explode.

HOW TO AVOID THE HAZARD

Use parts cleaning solvent to clean the air filter element.



(1) Filter case cover.



(2) Air filter element

CAUTION:

Do not twist the filter element when squeezing it.

6. Inspect the element. If damaged, replace it.
7. Apply quality foam air filter oil to the element. If foam air filter oil is not available, motor oil may be used.

NOTE:

The element should be wet but not dripping.

8. Reinstall the element to the air filter case.
9. Reinstall the element assembly and parts removed for access.

Idle speed adjustment

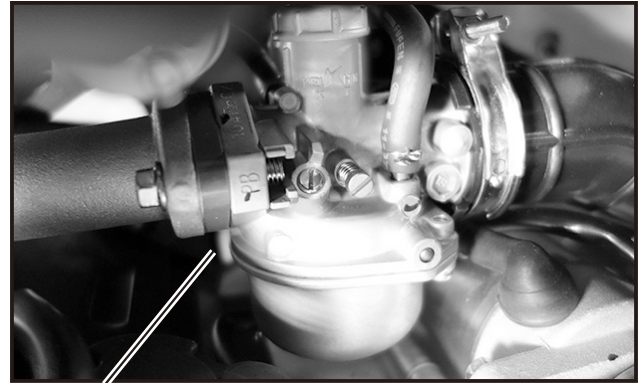
NOTE:

A diagnostic tachometer must be used for this procedure.

1. Start the engine and warm it up for a few minutes at approximately 1,000 to 2,000 r/min. Occasionally rev the engine to 4,000 to 5,000 r/min. The engine is warm when it quickly responds to the throttle.
2. Connect the tachometer and set the idle to the specified idling speed by adjusting the throttle stop screw. Turn the screw in to increase engine speed, and out to decrease engine speed.

Specified idle speed :

1800 RPM



Throttle stop screw

Throttle lever adjustment

NOTE:

Adjust the engine idling speed before adjusting the throttle lever free play.

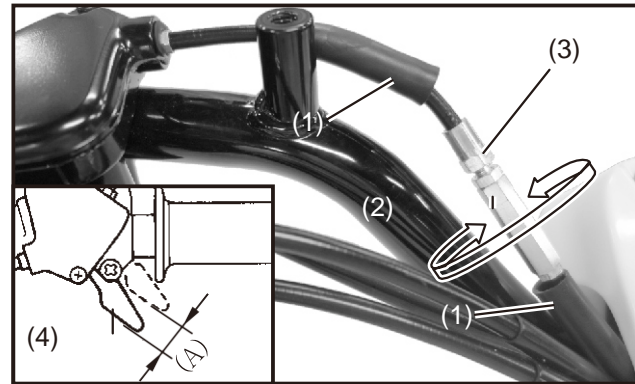
To adjust throttle free play:

1. Slide the rubber sleeves back to expose the throttle cable adjuster.
2. Loosen the lock nut, then turn the adjuster to obtain the correct free play. (1~4 mm or 0.04~0.16 in)
3. Tighten the locknut and reinstall the sleeve.

Other checks:

Check the throttle cable for kinks and signs of wear that could cause stretching or failure.

Lubricate the throttle cable with a commercially available lubricant to prevent premature wear and corrosion.



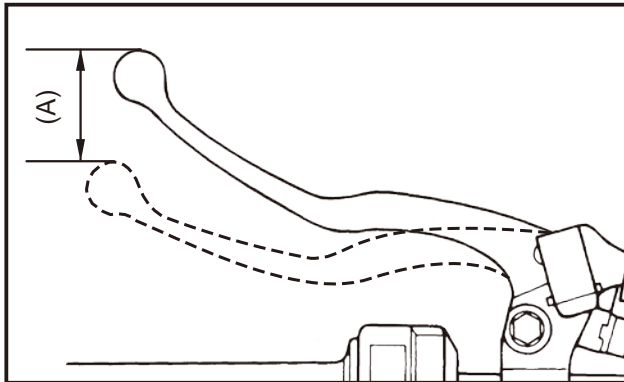
- (1) Rubber sleeve
- (2) Cable adjuster
- (3) Locknut
- (4) Throttle lever (A) 1~4 mm (0.04~0.16 in)

Front and rear brake shoes (Drum brake) inspection

When turn the adjusting nut fully to decrease brake lever free play and the free play exceeds the specification (1~2 cm), it means the brake shoe is worn out. Go to our designated distributors or service stations for brake shoe replacing.

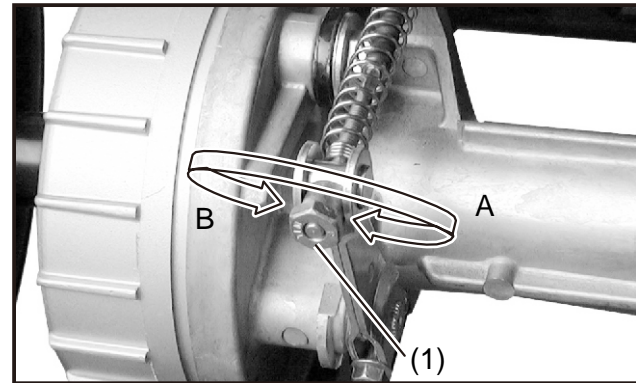
Rear brake lever free play adjustment (Drum brake)

The rear brake lever free play should be adjusted to 10-20 mm (0.4-0.8 in) at the tip of the brake lever. If the free play is incorrect, adjust as follows:



A. Free play 10-20 mm (0.4-0.8 in)

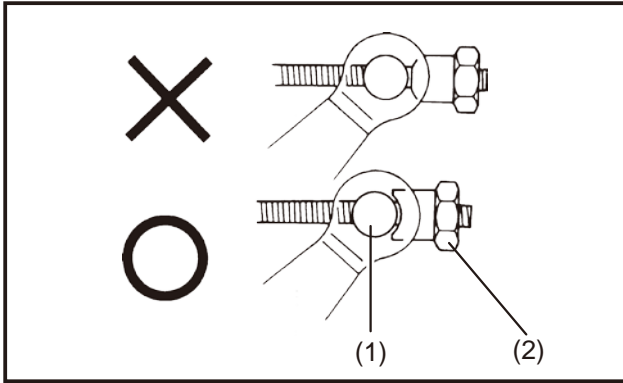
Turn the adjusting nut on the brake hub in direction A to decrease play, and in direction B to increase play.



- (1) Adjusting nut
- (A) Decrease play
- (B) Increase play

NOTE:

Make sure the cut-out on the adjusting nut is seated on the brake arm pin after making final free play adjustment.



(1) Arm pin

(2) Adjusting nut

WARNING

POTENTIAL HAZARD

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

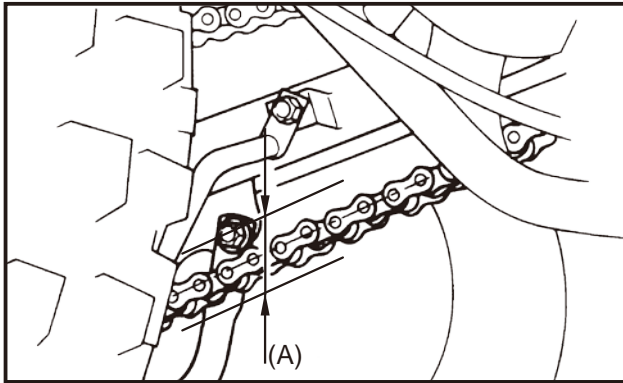
HOW TO AVOID THE HAZARD

After servicing:

- Make sure the brakes operate smoothly and that the free play is correct.
- Make sure the brakes do not drag. Replacement of brake components requires professional knowledge. These procedures should be performed by KYMCO dealer.

Drive chain slack check

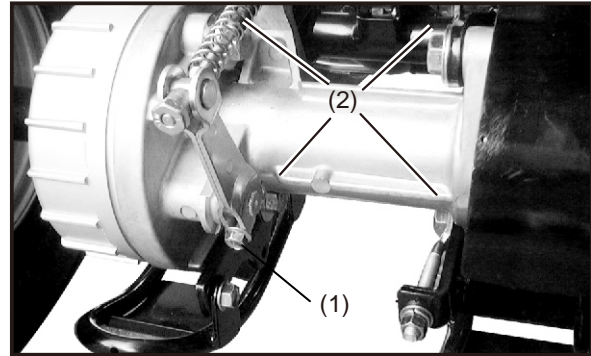
Inspect the drive chain while all tires are touching the ground. Check the slack at the position shown in the figure. The normal vertical deflection is approximately 10–20 mm (0.4–0.8 in). If the deflection exceeds 20 mm (0.8 in), adjust the chain slack.



A. 10–20 mm (0.4–0.8 in)

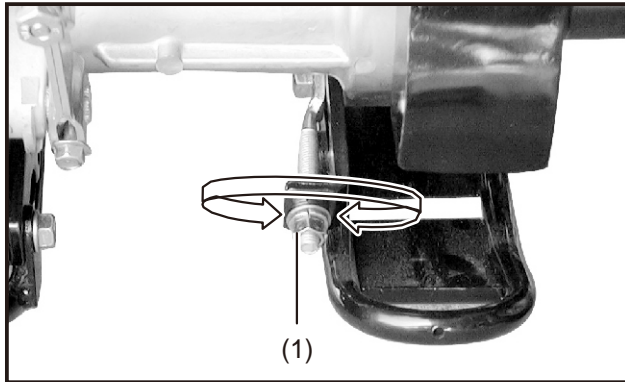
Drive chain slack adjustment

1. Loosen the upper and lower axle holding bolts.



(1) Hub stopper nut (2) Axle holding bolt x 4

2. Turn the adjusting nut, to decrease or increase chain slack.



(1) Adjust nut

3. Retighten the upper and lower axle holding bolts.

Tightening torque:

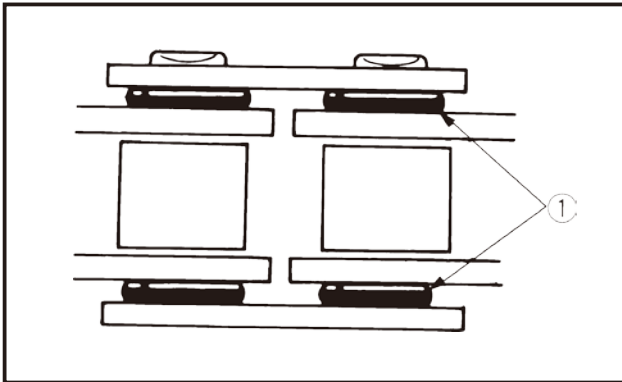
Axle holding bolts (upper):
70 Nm (7.0 m-kg, 48 ft-lb)

CAUTION:

Too little of chain slack will overload the engine and other important parts. Keep the slack within the specified limit.

4. Retighten the upper and lower axle holding bolts.

The drive chain is equipped with rubber O-rings between the chain plates. Steam cleaning, high-pressure washes, and certain solvents can damage these O-rings. Use only kerosene to clean the drive chain. Wipe it dry, and thoroughly lubricate it with SAE 30~50 motor oil. Do not use any other lubricants on the drive chain. They may contain solvents that could damage the O-rings.



① O-rings

Cable inspection and lubrication

WARNING

POTENTIAL HAZARD

Damaged control cables.

WHAT CAN HAPPEN

Corrosion can result when the outer covering of control cables becomes damaged.

Cables can also become frayed or kinked. Operation of controls could be restricted, which could cause an accident or injury.

HOW TO AVOID THE HAZARD

Inspect cables frequently. Replace damaged cables.

Lubricate the inner cables and the cable ends. If the cables do not operate smoothly, ask a KYMCO dealer to replace them.

Recommended lubricant:

KYMCO chain and cable lube or SAE 10W40 motor oil

Brake lever lubrication

Lubricate the pivoting parts of the brake levers.

Recommended lubricant:

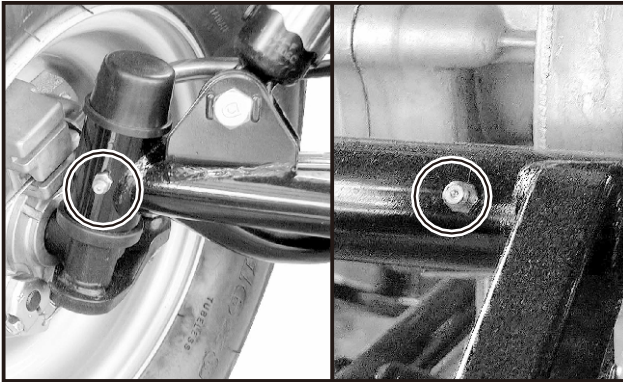
Lithium-soap-based grease (All-purpose grease)

Knuckle shaft and rear fork shaft lubrication

Lubricate the pivot points using a grease gun.

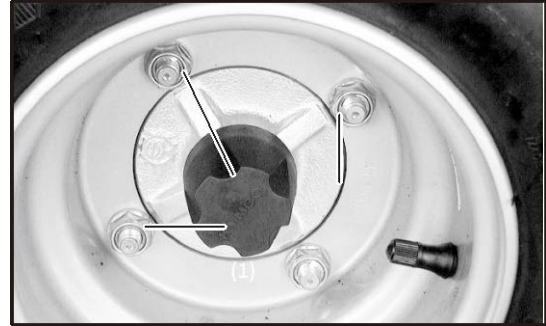
Recommended lubricant:

Lithium-soap-based grease



Wheel removal

1. Elevate the wheel by placing a suitable stand under the frame.
2. Remove the nuts from the wheel.
3. Remove the wheel assembly.



Wheel installation

When installing the wheel, reverse the removal procedure. Pay attention to the following.

Wheel nut torque:

Front: 40 Nm (4.0 m-kg, 30 ft-lb)

Rear: 40 Nm (4.0 m-kg, 30 ft-lb)

Battery

Your ATV battery is located in a compartment under the seat. The battery is sealed, so it is not necessary to check the electrolyte level or add distilled water. If the battery seems weak, see your authorized KYMCO dealer for information on recharging or replacement. If you replace the battery, choose one that is sealed and equivalent to the original. Be sure to read and follow all safety precautions indicated on the battery.

CAUTION:

- Do not attempt to remove the caps from the battery cells as this may damage the battery.
- Although the battery is sealed, it vents explosive gases and should be handled with appropriate care.
- When the ATV is to be stored for an extended period, 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 cable from the battery terminal.
- Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

WARNING

POTENTIAL HAZARD

Allowing open flames or sparks near the battery.

WHAT CAN HAPPEN

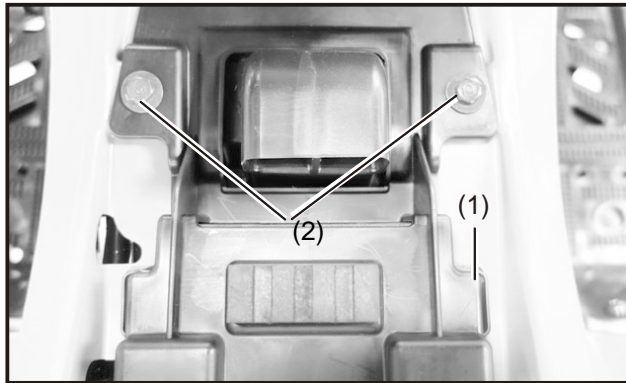
Gases may explode and possibly cause injury.

HOW TO AVOID THE HAZARD

Do not allow open flames or sparks near the battery.

Battery remove

1. Make sure the ignition switch is OFF.
2. Remove the seat.
3. Remove the battery cover, by removing the mount bolts.
4. Disconnect the negative (-) terminal lead from the battery first, then disconnect the positive (+) terminal lead.
5. Remove the battery.



(1) Battery cover (2) Mount bolt

Battery installation

1. Install in the reverse order of removal.
2. Check all bolts and other fasteners are secure.
3. After installing the battery, check to see if the battery cables are routed correctly.



(1) Battery (2) Positive (+) terminal lead
(3) Negative (-) terminal lead

Fuse replacement

When frequent fuse failure occurs, it usually indicates a short circuit or an overload in the electrical system. See your authorized KYMCO dealer for repair.

CAUTION:

To prevent accidental short-circuiting, turn off the 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 electrical system which could lead to a fire.

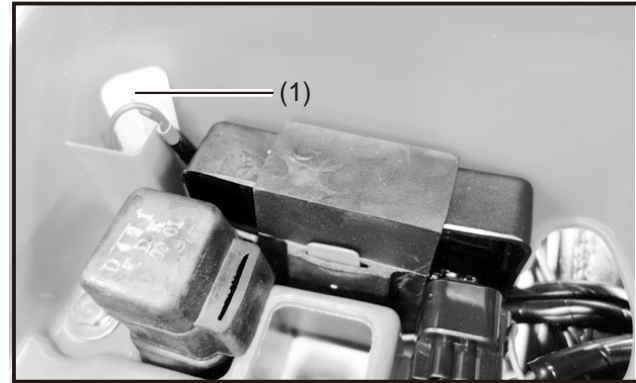
HOW TO AVOID THE HAZARD

Always use a fuse of the specified rating. Never use a material in place of the proper fuse.

Fuse holder

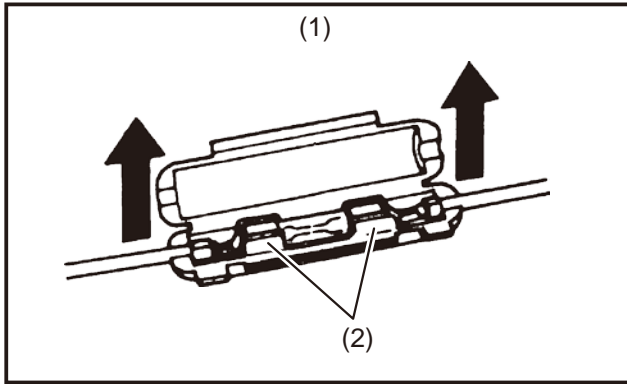
The fuse holder is located in the storage box under the seat.

The specified fuses are: 7A



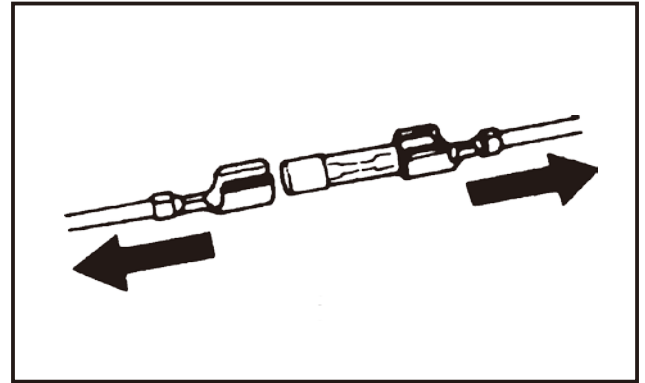
(1) Fuse holder

1. Lift the seat.
2. Open the fuse holders and lift out the fuse with the clips.



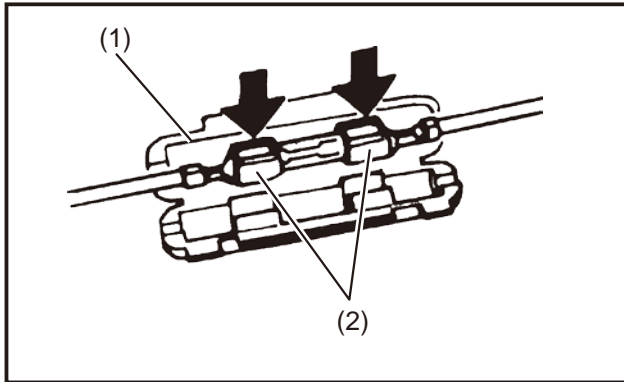
(1) Fuse holder (2) Clip

3. Slide the old fuse out of the clips and discard it.



- Slide the clips onto the ends of the new fuse, push them back into the fuse holder, and close the fuse holder.

The spare fuse is on the battery cover



(1) Fuse holder

(2) Clip

CAUTION:

- Do not pry the clips open to get a fuse out; you could bend them and cause poor contact with the new fuse. A loose fuse could cause damage to the electrical system and even start a fire.
- After replacing the fuse, be sure return the fuse holder to its original location.

Headlight beam adjustment

Vertical adjustment:

Turn the ignition switch ON and start the engine. Turn on the headlight switch.

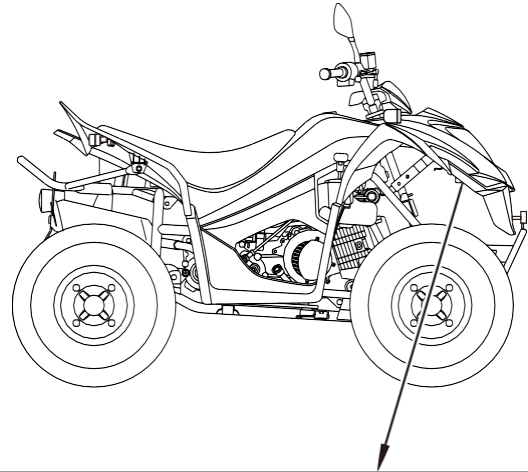
Adjust the headlight aim by losing the headlight aim adjusting screw then adjusting its position.

CAUTION:

It is advisable to have a KYMCO dealer make this adjustment.

⚠ WARNING

If instructions are not followed that may cause an accident without properly adjust the headlight.



(1) Adjusting screw

Troubleshooting

Although KYMCO machines receive a rigid inspection before shipment from the factory, trouble may occur during operation. Any systems can cause poor starting and loss of power. The troubleshooting chart describes a quick, easy procedure for making checks. If your machine requires any repair, take it to a KYMCO dealer.

The skilled technicians at a KYMCO dealership have the tools, experience, and know-how to properly service your machine. Imitation parts may look like KYMCO parts, but they are often inferior. Consequently, they have a shorter service life and can lead to expensive repair bills.

WARNING

POTENTIAL HAZARD

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

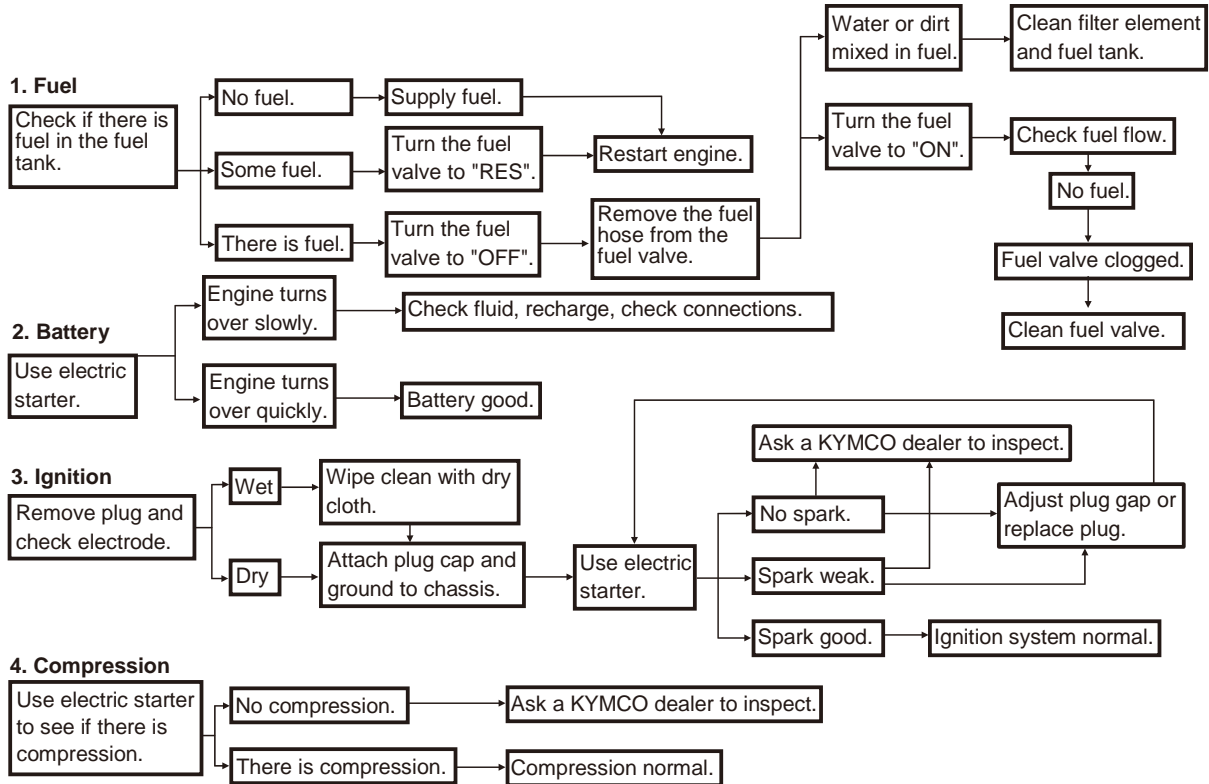
WHAT CAN HAPPEN

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

HOW TO AVOID THE HAZARD

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

Troubleshooting chart



CLEANING AND STORAGE

CLEANING

Frequent, thorough cleaning of your machine will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

1. Before cleaning the machine:
 - A. Block off the end of the exhaust pipe to prevent water entry. A plastic bag and strong rubber band may be used.
 - B. Make sure the spark plug and all filler caps are properly installed.
2. If the engine case is excessively greasy, apply degreaser with a paint brush. Do not apply degreaser to the chain, sprockets or wheel axles.
3. Rinse the dirt and degreaser off with a garden hose. Use only enough pressure to do the job.
4. Once the majority of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap. An old toothbrush or bottle brush is handy for hard-to-get-at places.
5. Rinse the machine off immediately with clean water and dry all surfaces with a chamois, clean towel or soft absorbent cloth.
6. Dry the chain and lubricate it to prevent rust.
7. Clean the seat with a vinyl upholstery cleaner to keep the cover pliable and glossy.
8. Automotive type wax may be applied to all painted and chrome plated surfaces. Avoid combination cleaner-waxes.

Many contain abrasives which may mar the paint or protective finish. When finished, start the engine and let it idle for several minutes.

CAUTION:

Excessive water pressure may cause water seepage and deterioration of wheel bearings, brakes, transmission seals and electrical devices. Many expensive repair bills have resulted from improper high pressure detergent applications such as those available in coin-operated car washers.

WARNING

POTENTIAL HAZARD

Operation with wet brakes after washing.

WHAT CAN HAPPEN

Wet brakes may have reduced stopping ability, increasing 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 linings.

STORAGE

Before storing your ATV for an extended time, be sure you thoroughly check the vehicle for needed repairs and have them corrected. Otherwise, the repairs may be forgotten by the time you remove the vehicle from storage.

In addition, extended storage requires that you take the following steps to reduce the effects of deterioration from non-use of the vehicle:

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

WARNING

POTENTIAL HAZARD

Refueling this ATV or handling fuel improperly.

WHAT CAN HAPPEN

The fuel could explode or ignite.

HOW TO AVOID THE HAZARD

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

Do not overfill the tank. Be careful not to spill fuel when refueling. After refueling, make sure the fuel fill cap is closed properly and securely.

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

 **WARNING**

POTENTIAL HAZARD

Prolonged contact of fuel with the skin.
Breathing fuel vapor.

WHAT CAN HAPPEN

The fuel can cause skin irritation.
Fuel vapor could cause lung damage.

HOW TO AVOID THE HAZARD

Avoid repeated or prolonged contact of fuel with the skin
or breathing of fuel vapor.

KEEP OUT OF REACH OF CHILDREN.

3. Remove the spark plug and pour one tablespoon (15 - 20 cc) of clean 2-stroke engine oil into the cylinder. Operate the starter for a few seconds to distribute the oil, then reinstall the spark plug, make sure the engine stop switch is OFF before pressing the starter button.
4. Remove the battery and store it in an area protected from freezing temperatures and direct sunlight and out of the reach of children, slow charge the battery once a month.

 **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.

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

NOISE REGULATION

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED

Federal law prohibits the following acts or the causing there of

- (1) The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use or
- (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

"AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW".

These acts include tampering with the following systems; i.e., Modification, removal, etc.

Exhaust system Exhaust system	Muffler Exhaust pipe Silencer
Intake system	Air cleaner case Air cleaner element Intake duct

SPECIFICATIONS

Overall length.....	1385 mm (54.53 in)
Overall width.....	820 mm (32.28 in)
Overall height.....	900 mm (35.43 in)
Seat height	620 mm (24.41 in)
Wheel base.....	900 mm (35.43 in)
Minimum ground clearance.....	75 mm (2.95 in)
Basic weight with oil and fuel.....	111 kg (244.7 lbs)
Cylinder arrangement.....	Air cooled 2-stroke
Displacement Single cylinder.....	49.4 cm ³
Bore x stroke (mm).....	39X41.4
Compression ratio	7.2:1
Starting system	Electric starter and kick starter
Lubrication system	Separate type
Engine oil classification	2-stroke engine oil
Transmission Oil classification.....	SAE 90
2-stroke engine oil Quantity.....	1.0 L (0.9 Imp qt)
Transmission oil change	0.2 L (0.18 Imp qt)
Transmission oil total amount	0.4 L (0.35 Imp qt)
Air filter.....	Wet type element
Fuel type.....	UNLEADED 92
Tank capacity.....	5.3L(1.17 Imp gal)
Reserve amount.....	1.2L(0.26 Imp gal)

Spark plug type	NGK BR8HAS
Clutch type.....	Dry, centrifugal automatic
Front brake type	Drum brake
Rear brake type.....	Drum brake
Suspension Front	Swing axle
Suspension Rear	Swing arm
Shock absorber Front	Coil spring
Shock absorber Rear.....	Oil damper
Ignition system	C.D.I.
Battery type.....	12V4AH
Tire Size Front/Rear	16X8-7
Headlight	12V35/35W
Taillight.....	12V5W

MAINTENANCE RECORD

Copies of work orders and/or receipts for parts you purchase and install will be required to document maintenance done in accordance with the warranty. The chart below is printed only as a reminder to you that the maintenance work is required. It is not acceptable proof of maintenance work.

Maintenance Interval	Date of service	Mileage	Servicing dealer name and address	Remark
1 Month				
3 Months				
6 Months				
12 Months				
18 Months				
24 Months				
30 Months				
36 Months				
42 Months				
48 Months				
54 Months				
60 Months				

KWANG YANG MOTOR CO.,LTD.
NO.35 Wan Hsing Street, San Min District
Kaohsiung, Taiwan, Republic of China
Telephone : 886-7-3822526
FAX : 886-7-3950021

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