

OWNER'S / OPERATOR'S MANUAL

Linhai ATV 110



Warning: Adult supervision is required at all times. Operation is prohibited for anyone under age of 10. No passengers are allowed.

BEFORE OPERATING THIS VEHICLE, THE OWNER AND EVERY OPERATOR MUST READ AND UNDERSTAND THIS MANUAL, INCLUDING ALL INSTRUCTIONS, SAFETY WARNINGS, OPERATING GUIDELINES AND MAINTENANCE OF THE VEHICLE.

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FOREWORD

Congratulations on the purchase of your new LINHAI ATV. We take pride in offering you this product engineered and manufactured to the highest performance and quality standards. We are sure that you will enjoy high performance, reliability, riding comfort, and safety of this ATV.

This manual is provided to help the owner and operators of this ATV become familiar with the operation, characteristics, and features of this ATV. The manual also covers information on the care and maintenance of your ATV.

Read this manual carefully. The information contained in this manual and on the Warning Labels supplied with this product will help to handle your ATV. Make sure that you understand and follow all Warnings and Instructions in this manual.

Important Safety Notice

Never make any modifications to the engine, drive system, mechanical or electrical systems of your ATV.

Never install aftermarket parts or accessories intended to increase the speed or power of your ATV.

Failure to follow these warnings increases the possibility of accident, leading to **DEATH or SERIOUS INJURY!** Also, failure to follow these requirements will void the Warranty on your ATV.

Practice Responsible Riding

Make sure you understand and follow all local, state and national laws and requirements.

Remember.....Respect your vehicle, environment and the property of others. You are responsible for your safety and the safety of others when you ride!

 **DANGER**

This vehicle can be hazardous to operate. Drivers must meet these requirements:

1. The driver should be 10 years or older.
2. The driver should receive safety driving training from a certified instructor and should practice skills before riding.
3. Familiarize yourself with laws, regulations and permitted driving areas before operating this vehicle.
4. Read the owner's manual. Understand all safety warnings, precautions and operating procedures before operating this vehicle.
5. This is a children's vehicle and should only be used under the supervision of parents/adults under all circumstances.

Ensure the operator completes training.

Operation is prohibited if the driver cannot meet the requirements.

⚠WARNING

The engine exhaust from this product contains chemicals known to cause cancer, birth defects or other reproductive harms.

Evaporative Emission Control System (EVAP) (if equipped)

This vehicle is manufactured with an Evaporative Emission Control System (EVAP) to prevent fuel vapors entering the atmosphere from the fuel tank and fuel system.

During routine maintenance, visually inspect all hose connections for leaks or blockage. Ensure the hoses are not clogged or kinked, which could damage the fuel pump or deform the fuel tank. No other maintenance is necessary.

Contact your dealer if repair is required. Do not modify the EVAP system. Modifying any part of this system will violate environmental emissions regulations.

Catalytic Converter

CAUTION

Please pay attention to the following to protect your catalytic converter:

- Use only unleaded gasoline. Leaded gasoline can damage the catalytic converter and prevent it from functioning properly.

NOTES

- Some features described in this manual may not apply to all models.
- All descriptions and directions given are from the operator's perspective when seated.

FOREWORD

Signal Words

A signal word calls attention to a safety message or messages, a property damage message or messages, and designates a degree or level of hazard seriousness. The standard signal words in this manual are DANGER, WARNING, CAUTION, and NOTE / NOTICE.

The following safety signal words are used in this manual and on your vehicle to highlight important safety information. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual:

DANGER

Indicates a potential hazard that may result in serious injury or death.

WARNING

Indicates a potential hazard that may result in minor personal injury and/or damage to the vehicle.

CAUTION

Indicates a situation that may result in damage to the vehicle.

NOTE or NOTICE

A note or notice provides key information to make procedure easier or clearer.

FOREWORD

⚠ WARNING: This is 1-person vehicle only



**ALWAYS
USE AN
APPROVED
HELMET AND
PROTECTIVE
GEAR.**



**NEVER USE
ON PUBLIC
ROADS.**



**NEVER CARRY
A PASSENGER.**

FOREWORD

NEVER:

- NEVER operate without proper training or instruction.
- NEVER operate on public roads. A collision with another vehicle can occur.
- NEVER operate at speeds too fast for your skill or the conditions.
- NEVER use ALCOHOL or DRUGS before, or while driving this vehicle.

ALWAYS:

- ALWAYS use proper riding techniques to avoid vehicle from overturning on hills and rough terrain and when turning.
- ALWAYS wear approved helmet, eye protection and protective clothing

FOREWORD
READ THE OWNER'S MANUAL
FOLLOW ALL INSTRUCTIONS AND WARNINGS

 **WARNING**

Read, understand, and follow all of the instructions and safety precautions in this manual and on all warning labels. Failure to follow the safety precautions could result in serious injury or death.

Warning

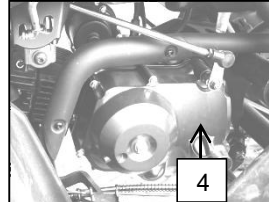
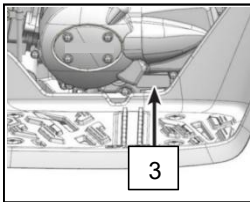
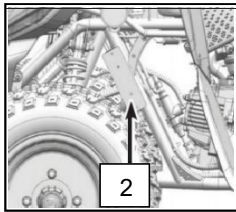
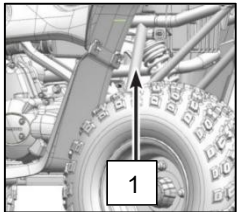
All assembly / service work must be carried out by adults.

Children under 3 years of age are at risk of suffocation because there are many small parts in the package before assembly. All fasteners must be fully tightened. Children must not touch parts such as batteries and electrical components, and must not assist in the assembly of the vehicle.

INTRODUCTION

V.I.N. - Vehicle Identification Number and Key Information

Record your vehicle's identification numbers in the spaces provided. This vehicle is delivered with 2 ignition keys. If both keys are lost, contact your LINHAI dealer about a new ignition key.



1 Vehicle Identification Number: _____

2 Vehicle Frame Number: _____

3 Engine Number: _____

4 Engine Certification Number: _____

**TECHNICAL SPECIFICATIONS
LINHAI LH110ATV-F**

Overall Length	1485 mm
Overall Width	945 mm
Overall Height	930 mm
Wheel Base	1030 mm
Minimum Ground Clearance	110 mm
Minimum Turning Radius	3000 mm
Weight	135 kg (with fuel)
Maximum Load Capacity:	75 kg

TECHNICAL SPECIFICATIONS

Engine Type	Single cylinder, 4-stroke, air cooled
Bore x Stroke	52.4 x 49.5 mm
Displacement	107 ccm
Compression Ratio	9.1 : 1
Starting	Electric
Fuel Supply System	Electronic Fuel Injection (EFI)
Lubrication Type	Pressure splash lubrication
Engine Oil Type	SAE 10W-40
Engine Oil Replacement	650 ml
Air Filter	Foam filter
Fuel	95 octane unleaded gasoline
Fuel Tank Capacity	6.6 l
Fuel Reserve	2 l

TECHNICAL SPECIFICATIONS

Front Suspension Rear Suspension	Oil damper, 5 position preload adjustable Oil damper, 4 position preload adjustable
Electrical System	
Ignition	START button
Battery	12V 5Ah
Lighting System: Headlight Position Light Taillight / Brake Light	LED
APP position Control	GPS + RF
Tires	
Front Tires Rear Tires Tire Pressure	AT19 × 6-10 AT18 × 9-8 35 kPa

OPERATOR SAFETY

Safety Precautions

 **DANGER**

Failure to follow the warnings in this manual can result in serious injury or death. This vehicle is not a toy and its operation could be hazardous. This vehicle handles differently from other vehicles, such as cars. A collision or rollover can occur quickly, even during routine maneuvers like turning or driving over obstacles, if you fail to take proper precautions.

Read and understand this manual. Understand all safety warnings, precautions, and operating procedures before operating this ATV.

Age Restrictions

Operation is prohibited for children under the age of 10. No passenger is allowed on this vehicle. Children differ in skills, physical abilities and judgment. Some children may not be able to operate an ATV safely. Use is permitted only if the parents determine that their child has the ability and maturity to operate the ATV safely. Be sure the operator can reach and operate all ATV controls, including handlebars, brake levers, throttle lever and kill switch.

Know Your Vehicle

Read and understand this manual. It includes valuable information about all aspects of this vehicle, including safe operating procedures.

OPERATOR SAFETY

Modifications to the ATV

LINHAI cares about the safety of its customers. We strongly recommend not to install any devices and not to make any modifications to this vehicle in order to increase its speed or power.

Any modifications to the vehicle may create a substantial safety hazard and increase the risk of injury.

If modifications made by the consumer result in malfunctions and damage to the vehicle, customer bears full responsibility for them. Also, the warranty will be terminated.

Please follow the national and local government regulations when using this vehicle.

DANGER

Consumers should not make any modification to the vehicle. Any unapproved modification may lead to serious safety hazards.

Modifications to the vehicle or electrical components may affect driving safety, service life, and vehicle performance.

Improper installation of accessories may lead to safety hazards.

Always use LINHAI original parts and LINHAI approved accessories. The vehicle performance will be influenced and legal requirements may also be broken if consumers use non-LINHAI parts or install accessories incorrectly. Please note that you are responsible for your own safety and the safety of others.

CAUTION

LINHAI recommends using only LINHAI original parts and accessories that are specially designed and approved for this vehicle.

OPERATOR SAFETY OPERATOR SAFETY

Upon takeover of the vehicle, the buyer, or the buyer and the future operator, is obliged to undergo professional briefing by the dealer, which covers vehicle operation, safety procedures, and basic maintenance. Before using the vehicle, it is also necessary to complete practical training course under expert supervision so that the buyer / future operator learns the proper driving techniques, including body weight shifting.

Safety Training

DANGER

Serious injury or death may occur if you do not follow the following instructions and procedures:

- Read this manual and all labels carefully, and follow the procedures.
- Never operate an ATV without proper instructions. Take a training course. Beginners should receive training from a certified instructor. Contact your authorized LINHAI dealer to find out about the training courses.
- Never permit a guest to operate the ATV unless the guest has read this manual, all product labels, and has completed a certified safety training course.
- Never operate an ATV without wearing an approved helmet that fits properly. Always wear eye protection (goggles or face shield), gloves, boots, a long-sleeved shirt or jacket, and long pants.
- Never consume alcohol or drugs before or while operating an ATV.
- Never operate an ATV at excessive speeds. Travel at speeds appropriate for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheelies, jumps and other stunts.

OPERATOR SAFETY

- Always inspect your ATV every time before use to make sure it's in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules outlined in this manual.
- Always keep both hands on the handlebars and both feet on the footrest of the ATV during operation.
- Always travel slowly and use extra caution when operating on unfamiliar terrains. Be alert to changing terrain conditions.
- Never operate on excessively rough, slippery, or loose terrains.
- Always follow proper turning procedures as described in this manual. Practice turnings at low speeds before attempting to turn at faster speeds. Do not turn at excessive speeds.
- Always have the ATV inspected by an authorized dealer if it's been involved in an accident.
- Never operate on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
- Always follow proper procedures for climbing hills. Check the terrain carefully before ascending a hill.
- Never go over the top of a hill at high speeds.
- Always follow proper procedures for going downhill and for braking on hills. Check the terrain carefully before you go down a hill. Shift your weight backward. Never go down a hill at high speeds. Avoid going down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.
- Always follow proper procedures for crossing the side of a hill. Avoid hills with excessively 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've mastered (on level ground) the turning technique outlined in this manual. Avoid crossing the side of a steep hill when possible.

OPERATOR SAFETY

- Always use proper procedures if you stall or reverse while 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. Always dismount on the uphill side, or to either side if the ATV is pointed straight uphill. Turn the ATV around and remount by following the procedure described in this manual.
- Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be careful of skidding or sliding. On slippery surfaces like icy roads, travel slowly and use extra caution to reduce the risk of skidding or sliding out of control.
- Avoid operating the ATV through deep or fast-flowing water. This vehicle is prohibited to cross any watery area.
- Wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them lightly several times while driving slowly to allow friction to dry out the pads.
- Always check for obstacles or people behind the ATV before operating in reverse gear. When it's safe to reverse, move slowly and avoid turning at sharp angles.
- Always use the size and type of tires specified for your ATV. Always maintain proper tire pressure.
- Never modify an ATV through improper installation or improper use of accessories.
- Always remove the ignition key when the vehicle is not in use to prevent unauthorized use or accidental starting.
- Never touch rotating parts, such as wheels, drive chain, etc.

FOR MORE INFORMATION ABOUT ATV SAFETY, PLEASE CONTACT YOUR DEALER.

OPERATOR SAFETY

Potential Hazards and How to Avoid Them

⚠WARNING

POTENTIAL HAZARD:

Operating this ATV without proper instruction.

WHAT CAN HAPPEN:

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

HOW TO AVOID THE HAZARD:

Beginners and inexperienced operators should receive a briefing on basic controls from the dealer upon delivery. Operators should regularly practice the skills learned during dealer's briefing and follow the operating techniques described in the owner's manual.

⚠WARNING

POTENTIAL HAZARD:

Failure to follow the age recommendations for this ATV.

WHAT CAN HAPPEN:

Severe injury and/or death could occur if a child under the minimum age recommendation operates this vehicle. Even though a child may be within the recommended age group for operating this kind of vehicle, he/she may not have the skills, abilities or judgment needed to operate this vehicle safely and could be susceptible to accident or injury.

HOW TO AVOID THE HAZARD:

Follow the age requirement. Operation in any situation should be under the supervision and protection of parents.

OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

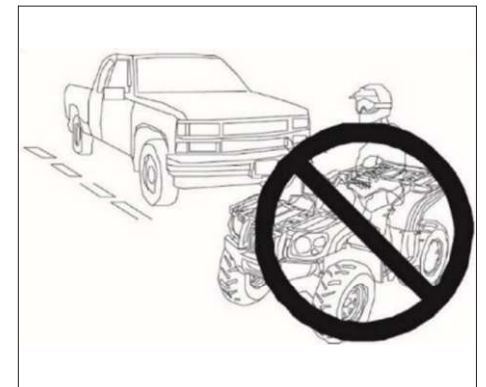
Operation on paved surfaces such as sidewalks, trails parking lots, or public highways and streets.

WHAT CAN HAPPEN:

ATV tires are designed for off-road use. Driving on paved surfaces greatly affects how an ATV handles, which can result in loss of control and/or an accident.

HOW TO AVOID THE HAZARD:

Never drive on paved surfaces. If it is unavoidable, slow down and do not make sudden turns or braking maneuvers.
Never operate his ATVs on public highways or streets.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

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

WHAT CAN HAPPEN:

Operating an ATV without an approved helmet increases the risk of a severe head injury or death in the event of an accident. Operating without eye protection could result in an accident and could increase the chance of a severe eye injury in the event of an accident. Operating without protective clothing could increase the chance of a severe injury.

HOW TO AVOID THE HAZARD:

Always wear an approved helmet that fits properly. Always wear eye protection (goggles or face shield), gloves, long-sleeved shirt or jacket, and long pants.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Operating the ATV after consuming alcohol or drugs.

WHAT CAN HAPPEN:

Consumption of alcohol and/or drugs could seriously affect operator's judgment. Reaction time may be slower and operator's balance and perception could be affected. Consumption of alcohol and/or drugs before or while operating an ATV could result in an accident causing severe injury or death.

HOW TO AVOID THE HAZARD:

Never consume alcohol or drugs before or while operating an ATV.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Operating the ATV at excessive speeds.

WHAT CAN HAPPEN:

Excessive speed increases the operator's chance of losing control of the ATV, which can result in an accident.

HOW TO AVOID THE HAZARD:

Always operate the ATV at a speed that's proper for the terrain, visibility and operating conditions, and your experience.

⚠️WARNING

POTENTIAL HAZARD:

Attempting wheelies, jumps and other stunts.

WHAT CAN HAPPEN:

Attempting stunts increases the chance of an accident, including an overturn.

HOW TO AVOID THE HAZARD:

Never attempt wheelies, jumps, or other stunts. Avoid exhibition driving.



OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

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

WHAT CAN HAPPEN:

Poor maintenance increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD:

Always inspect your ATV before each use to make sure it's in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in the owner's manual.

⚠WARNING

POTENTIAL HAZARD:

Removing hands from the handlebars or feet from the footrests during operation.

WHAT CAN HAPPEN:

Removing even one hand or foot can reduce ability to control the vehicle or could cause loss of balance and ejection from the ATV.

If the operator's foot is not firmly planted on the footrest, it could come into contact with the rear wheels and lead to an accident or injury.

HOW TO AVOID THE HAZARD:

Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.

OPERATOR SAFETY

⚠️ WARNING

POTENTIAL HAZARD:

Failure to use extra caution when operating the ATV on unfamiliar terrain.

WHAT CAN HAPPEN:

Unfamiliar terrain may contain hidden rocks, bumps, or holes that could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Travel slowly and use extra caution when operating on unfamiliar terrain. Always be alert to changing terrain conditions.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Failure to use extra caution when operating on excessively rough, slippery or loose terrain.

WHAT CAN HAPPEN:

Operating on excessively rough, slippery or loose terrain could cause loss of traction or loss of control, which could result in an accident or overturn.

HOW TO AVOID THE HAZARD:

Do not operate on excessively rough, slippery or loose terrain until you've learned and practiced the skills necessary to control the ATV on such terrain. Always use extra caution on rough, slippery or loose terrain.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Turning improperly.

WHAT CAN HAPPEN:

Improper turns could cause loss of control and lead to a collision or overturn.

HOW TO AVOID THE HAZARD:

Always follow proper procedures for turning as described in the owner's manual. Practice turning at slow speeds before attempting to turn at faster speeds. Never turn at excessive speed.

OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Climbing the steep hills or climbing hills improperly.

WHAT CAN HAPPEN:

Improper hill climbing could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Never operate on hills that are too steep for the ATV or for your abilities. Practice on smaller hills before attempting large hills. Always check the terrain carefully before ascending any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly while traveling uphill. The ATV could flip over backwards. Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Going down the hills improperly.

WHAT CAN HAPPEN:

Improperly descending a hill could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Never operate on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting large hills. Always check the terrain carefully before attempting any hill. Never descend hills with excessively slippery or loose surfaces.

NOTE

A special driving and braking technique is required while traveling downhill. Always check the terrain carefully before descending a hill. Shift your weight backward. Never travel down a hill at high speed. Avoid traveling down a hill at an angle, which would cause the vehicle to lean sharply to one side. Travel straight down the hill when possible.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Improperly crossing hills and turning on hills.

WHAT CAN HAPPEN:

Improperly crossing or turning on hills could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Never attempt to turn the ATV around on any hill until you've mastered the turning technique on level ground as described in the owner's manual.

Use extra caution when turning on any hill. Avoid crossing the side of a steep hill.

WHEN CROSSING THE SIDE OF A HILL:

Always follow proper procedures as described in the owner's manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Stalling, rolling backwards or improperly dismounting while climbing a hill.

WHAT CAN HAPPEN:

The vehicle could overturn.

HOW TO AVOID THE HAZARD:

Maintain a steady speed when climbing a hill.

IF YOU LOOSE ALL FORWARD SPEED:

Close the throttle. Keep your weight uphill. Apply the front brake. When fully stopped, apply also the foot brake.

IF THE ATV BEGINS ROLLING DOWNHILL:

Keep your weight uphill. Never apply engine power. Never apply the foot brake while rolling backwards. Apply the front brake. When fully stopped, apply also the foot brake. Dismount on uphill side, or to either side if ATV is pointed straight uphill. Turn the ATV around and remount, following the procedure described in this manual.



OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Operating over obstacles improperly.

WHAT CAN HAPPEN:

Improperly operating over obstacles could cause loss of control or overturn.

HOW TO AVOID THE HAZARD:

Before operating in a new area, check for obstacles. Avoid operating over large obstacles such as rocks and fallen trees when possible. If unavoidable, use extreme caution and always follow proper procedures as outlined in this manual.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Skidding or sliding.

WHAT CAN HAPPEN:

Skidding or sliding can cause loss of control. If the tires regain traction unexpectedly, the ATV could overturn.

HOW TO AVOID THE HAZARD:

On slippery surfaces such as ice, travel slowly and use extra caution to reduce the chance of skidding or sliding out of control.

⚠WARNING

POTENTIAL HAZARD:

Overloading the ATV or carrying/towing cargo.

WHAT CAN HAPPEN:

Overloading and carrying/towing cargo can cause changes in vehicle handling, which could lead to loss of control or an accident.

HOW TO AVOID THE HAZARD:

Never exceed the stated load capacity for this ATV.

Do not carry cargo or pull an object. Allow a greater distance for braking if the vehicle is weighted near the maximum load capacity.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Operation through deep or fast-flowing water.

WHAT CAN HAPPEN:

The tires may float, causing loss of traction and loss of control, which can lead to an accident or overturn.

HOW TO AVOID THE HAZARD:

Avoid operating the ATV through deep or fast-flowing water. If it is unavoidable to enter water that exceeds the recommended maximum depth, travel slowly, balance your weight carefully, avoid sudden movements, and maintain a slow and steady forward motion. Do not make sudden turns or stops, and do not make sudden throttle changes. Wet brakes may have reduced stopping ability. Always test the brakes after leaving the water. If necessary, apply brakes several times to dry out the pads.

OPERATOR SAFETY

⚠WARNING

POTENTIAL HAZARD:

Improperly operating in reverse.

WHAT CAN HAPPEN:

The ATV could collide with an obstacle or person, resulting in severe injury.

HOW TO AVOID THE HAZARD:

Before shifting into reverse gear, always check for obstacles or people behind the ATV. When it's safe to proceed, go back slowly.

⚠WARNING

POTENTIAL HAZARD:

Operating the ATV with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN:

Use of improper tires, or operation of the ATV with improper or uneven tire pressure, could cause loss of control or an accident.

HOW TO AVOID THE HAZARD:

Always use the size and type of tires specified in the owner's manual for the ATV. Always maintain proper tire pressure.

OPERATOR SAFETY

⚠️WARNING

POTENTIAL HAZARD:

Operating the ATV with improper modifications.

WHAT CAN HAPPEN:

Improper installation of accessories or modifications to the ATV may cause changes in handling which could lead to an accident.

HOW TO AVOID THE HAZARD:

Never modify the ATV through improper installation or use of accessories. All parts and accessories added to the vehicle must be genuine LINHAI parts or equivalent components designed for use on this ATV, and should be installed and used according to the instructions. Consult your LINHAI dealer for more information.

OPERATOR SAFETY

WARNING

POTENTIAL HAZARD:

Operating on frozen bodies of water.

WHAT CAN HAPPEN:

Severe injury or death can result if the ATV and/or the operator fall through the ice.

HOW TO AVOID THE HAZARD:

Never operate the ATV on a frozen body of water.

OPERATOR SAFETY

WARNING

Before operating this vehicle, inspect the frame and handlebars for cracks or broken connection points. Aggressive riding or crashing into objects may damage or destroy the frame or handlebars.

WARNING

After any rollover or accident, have an authorized LINHAI dealer inspect the entire vehicle for possible damage, including (but not limited to) brakes, throttle and steering systems.

WARNING

Do not operate the vehicle near flammable vapors (gasoline, paint thinner, acetone or liquid wax, etc.). Electrical switches may emit internal sparks that could cause an explosion or fire.

WARNING

Safe operation of this vehicle requires good judgment and physical skills. Persons with cognitive or physical disabilities who operate this vehicle have an increased risk of rollover and loss of control, which could result in severe injury or death.

OPERATOR SAFETY

Riding Gear

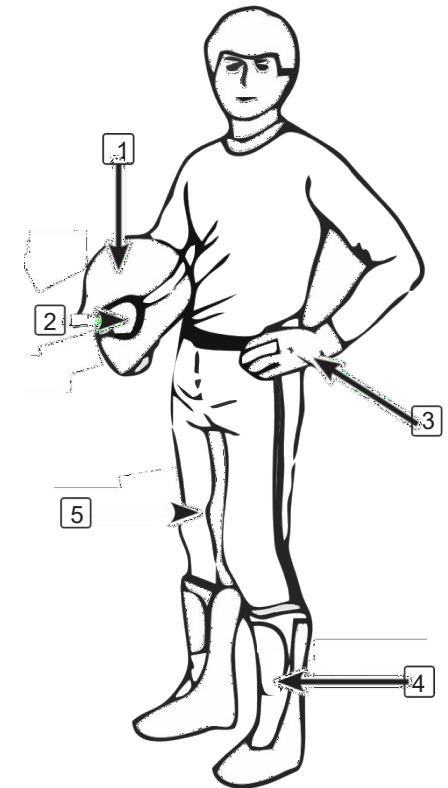
Always wear safe riding gear for children, including:

1. Approved helmet
2. Goggles
3. Gloves
4. Long-sleeved shirts or jackets
5. Long pants
6. Over-the-ankle boots

According to the actual weather, you may need extra apparel, such as anti-fog goggles, thermal underwear and a face shield for cold weather. The operator must never wear loose clothing that may get entangled in the vehicle or on tree branches and shrubs.

Helmet and Goggles

An approved helmet can prevent a serious head injury if an accident occurs. Please note that even the best helmet is no guarantee against injury. The helmet should meet ECE 22.05 or ECE 22.06 safety standards and its size should suit you. A closed-face helmet with face shield can give you good protection from insects, flying rocks, dust and scattered debris, etc., but the visor can fog up from the inside.



OPERATOR SAFETY

An open-face helmet can not offer the same level protection for your face and jaw.

Best protection and ventilation will give you motocross helmet with motocross goggles.

Do not use eyeglasses or sunglasses as they cannot provide enough eye protection. They can not prevent wind and airborne objects from getting into eyes, and they may fly out or shatter in case of an accident and cause secondary damage.

Use tinted goggles only during the day in bright light. Do not use them at night or in poor light. They may affect your ability to distinguish colors. Do not use them if you have a color perception disorder.

Gloves

Good motocross gloves can protect your hands from wind, sun, heat, cold, and splash. Well-fitted gloves are helpful for steering and relieving hand fatigue. The stronger motorcycle gloves, the better protection for your hands in the event of an accident or turnover, but if the gloves are too heavy, it will be difficult to operate the vehicle.

Snowmobile gloves offer better protection when operating in cold areas.

OPERATOR SAFETY

Jackets, Pants and Motorcycle Suits

Wear a jacket or a long-sleeved jersey and long pants, or a full set of riding suit. Quality protective gear will provide comfort, and it can help you avoid being distracted by adverse environmental elements. In case of an accident, quality protective gear made of sturdy material may prevent or reduce injury.

When riding in a cool weather, protect yourself against hypothermia. Low body temperature can cause loss of concentration, slowed reactions and loss of smooth, precise muscle movement. In cool conditions, proper protective gear like a wind proof jacket and insulated layers of clothing are essential. Even while riding at moderate temperatures, you can feel cold due to the wind. Protective gear that is appropriate for cold-weather riding may be too hot when the vehicle is stopped. Dress in layers so that clothing can be removed as desired. Topping the protective gear with a windproof outer layer can prevent cold air from reaching the skin.

Boots

Always wear quality over-the-ankle boots. Sturdy boots with non-slip soles offer more protection, and allow you to put your foot properly on the foot pegs. Avoid long shoelaces that could get entangled in the vehicle components. In winter, rubber-soled boots with both nylon or leather uppers and removable felt liners are best option. Avoid rubber boots which may get trapped behind- or in the foot brake pedal, impairing proper brake operation.

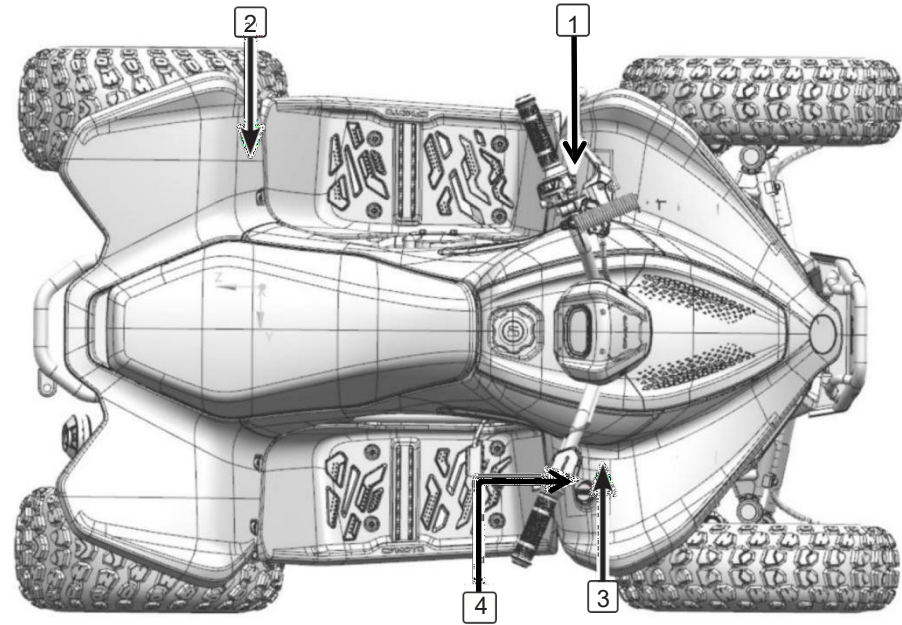
Other Riding Gear

Rain Gear

When riding in rainy weather, a rain suit or a waterproof riding suit is recommended. On long rides, it is a good idea to carry rain gear.

Safety Labels and Locations

Warning labels have been placed on the ATV for your protection. Read and follow the instructions on each label on the vehicle carefully. If a label becomes illegible or comes off, contact your dealer for replacement. Warning labels in the owner's manual are for reference.



OPERATOR SAFETY

1

⚠ 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.

2

⚠ 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: 5.0 psi (35 kPa)
 - Rear: 5.0psi (35 kPa)
- Maximum weight capacity: 155 lbs. (70.5 kg)

⚠ WARNING

NEVER ride as a passenger.



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

3




4




FEATURES & CONTROLS

Left Hand Controls

1 Horn Button


 Short press the button, the horn will sound.


2 Hi/Lo Switch


 In this position, the high beam is on.

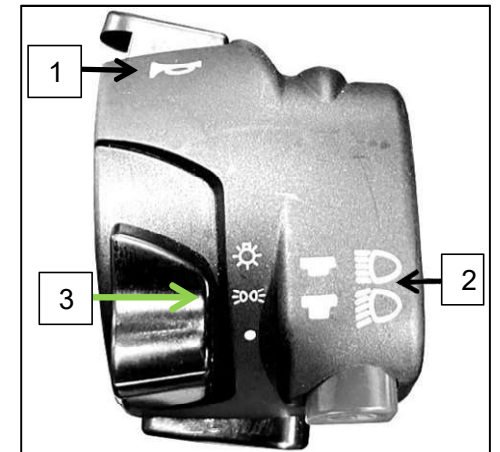
 When the switch pops out, the low beam is on.

3 Lights switch (Available in Select Markets)

 In this position, the headlights are on.


 In this position, rear lights and front daytime running lights (DRL) are on.

 In this position, only the front daytime running lights are on.



FEATURES & CONTROLS

4 Start button

 Press the start button to start the engine.

4



5 Safety Lock and Safety Lanyard (Kill Switch)

For the vehicle to operate, the end of the safety lanyard must be connected on the safety lock as shown. The other end of the safety lanyard should be connected to upper part of the operator's body or jacket. If an accident causes the driver to fall from the vehicle, the safety lanyard will disconnect from the safety lock and ignition immediately shuts off. When powering the vehicle, verify the safety lanyard is completely fitted well on the safety lock. The vehicle will not run without the safety lanyard in place.

5



If the safety lanyard is lost, contact your LINHAI dealer to purchase a new kill switch lanyard.

45

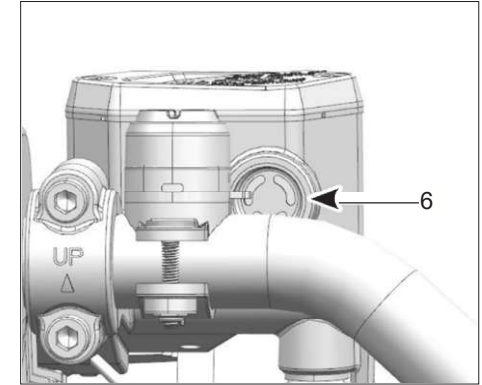
FEATURES & CONTROLS

6 Front (Hand) Brake Fluid Reservoir

Check the fluid level in the hand brake master cylinder before each use of the ATV. The hand brake master cylinder is located on the left handlebar. The fluid level can be viewed through the indicator window on the side of the master cylinder. If the fluid level is lower than the “Low” mark, add brake fluid as necessary.

WARNING

Overfilling the master cylinder may cause brake resistance or brake lock-up, which could result in serious injury or death. Maintain brake fluid at the recommended level. Do not overfill the reservoir.

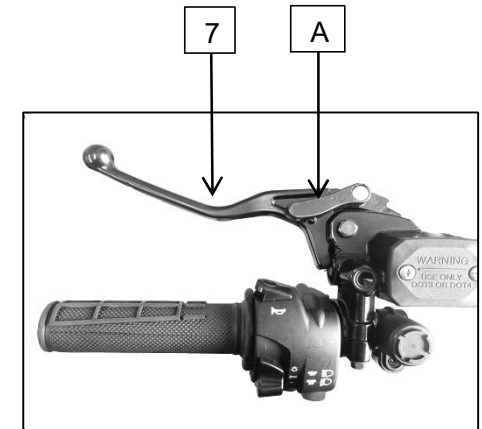


FEATURES & CONTROLS

7 Hand Brake Lever (including parking brake)

The hand brake lever is located on the left handlebar and controls the front brake. Pull the lever toward the handlebar to apply the brakes. When squeezed, the lever should feel firm. Spongy feel can indicate possible fluid leak or low brake fluid level in master cylinder reservoir. This must be corrected before riding. Contact your dealer for proper diagnosis and repair.

Hydraulic parking brake is on the hand brake lever. To activate the parking brake, squeeze the hand brake lever and step on foot brake at the same time, then press the parking brake lock **A**.



⚠ CAUTION

When parking on a slope, do not rely solely on the hydraulic parking brake. Block the wheels with a large object, for example a stone, to prevent the ATV from rolling.

FEATURES & CONTROLS

Right Hand Controls

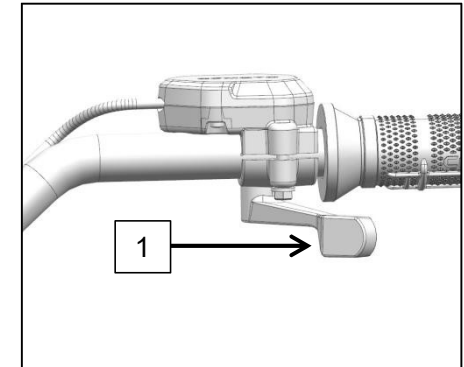
1 Throttle Lever

When the engine is running, press the throttle lever to increase the engine rpm. The vehicle speed is controlled by changing the throttle lever position. The throttle lever is a spring-loaded: if you release the throttle lever, the vehicle will slow down and the engine speed returns to idle.

Before starting the vehicle, inspect that the throttle lever operation is smooth. Make sure the lever returns back to the idle position when released.

CAUTION

Before starting the engine, inspect that the throttle lever operation is smooth. If not, check for reasons. If you cannot find a problem or solution, contact a LINHAI dealer.



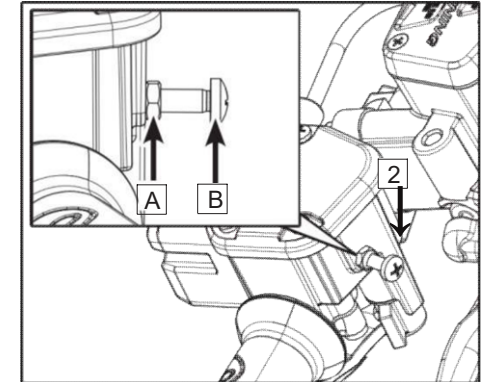
FEATURES & CONTROLS

2 Speed Limiter

⚠ WARNING

Vehicle's maximum speed is preset to 25 km/h in time of delivery to the consumer. To better ensure the safety of young riders, users are not permitted to dismantle or modify the vehicle's speed restriction settings.

We recommend that for the novice drivers, the parents screw the speed limiter screw in, so that the children can familiarize themselves with the vehicle and then set the speed limiter correctly.



Speed limiter adjusting steps:

1. Loosen the lock nut **A**.
2. Adjust the speed limiting screw **B**:
 - Turn to the screw in to reduce the speed
 - Turn the screw out to increase the speed.
3. After adjusting to the proper speed, tighten the lock nut **A**.

FEATURES & CONTROLS

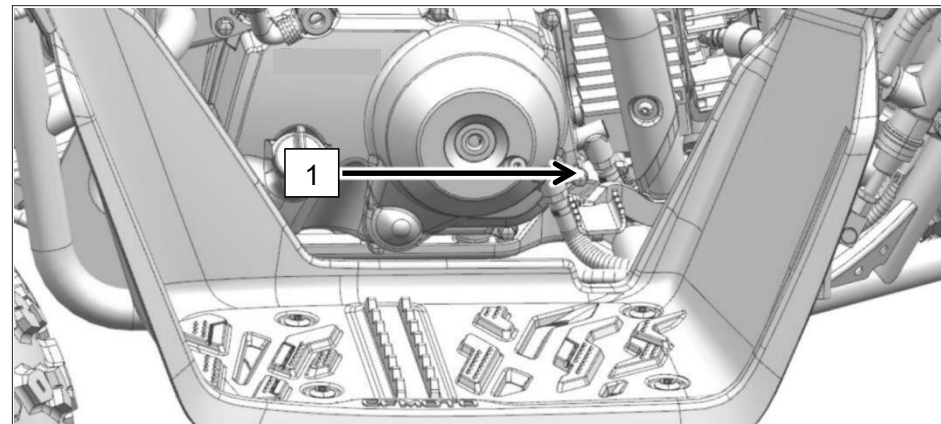
Foot Brake

The foot brake pedal **1** is located on the right floorboard. Step down on the pedal to apply the front and rear brakes at the same time.

The brake pedal should feel firm. A soft brake pedal may indicate a possible fluid leak or low fluid level in master cylinder. This must be corrected before riding. Contact your dealer for diagnosis and repair.

WARNING

Operating the ATV with a spongy brake pedal can result in loss of control, which could cause an accident.



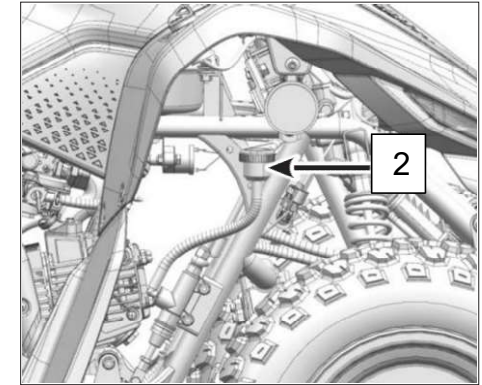
FEATURES & CONTROLS

Rear (Foot) Brake Fluid

The foot brake reservoir **2** is located at the front right side of the vehicle. The brake fluid level can be viewed here. When the brake fluid level is below the “MIN” mark, add the DOT4 brake fluid between the upper and lower marks.

WARNING

Never store or use a partial bottle of brake fluid. Brake fluid is hygroscopic, which means it rapidly absorbs moisture from the air. This moisture lowers boiling temperature of the brake fluid, which can lead to early brake failing and the possibility of accident or severe injury. After opening a bottle of brake fluid, always discard unused portion.



FEATURES & CONTROLS

Fuel Tank

Fuel tank cap is located at the front of the seat. Open the fuel tank cap **1** to fill the fuel.

Fuel Octane Rating

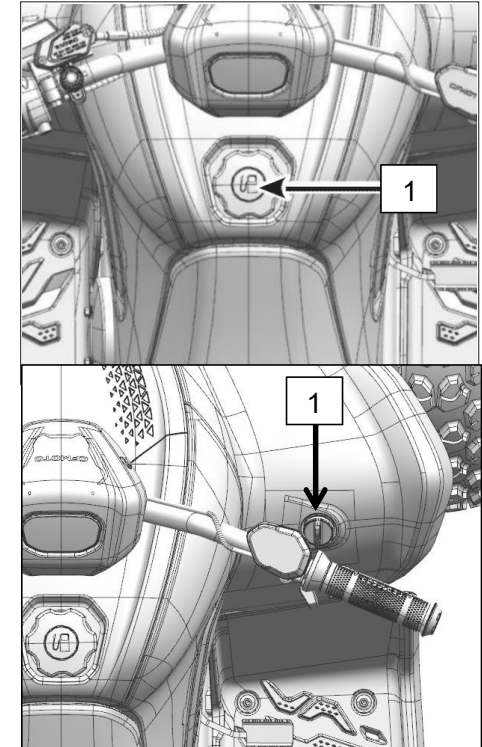
The recommended fuel for your ATV is 95 Octane unleaded (maximum 10% ethanol).

Ignition Switch

The ignition switch is located in the right front mudguard.

NOTE

Remove and store the spare ignition key. The key can only be duplicated if you have the existing key available. If you have lost both keys, the entire ignition switch assembly must be replaced.



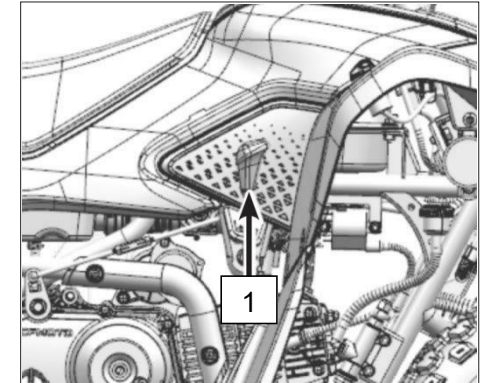
FEATURES & CONTROLS

Gear Shift Lever

Gear Shift Lever **1** is located at the right side of the vehicle.

CAUTION

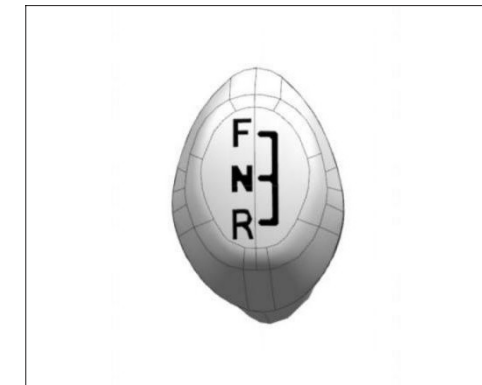
Do not attempt to shift the transmission while the vehicle is moving or when the motor RPM is in higher than the idle rpm. Damage to the transmission could result. Always shift when the vehicle is stationary and the engine is at idle.



F – Forward gear

N – Neutral

R – Reverse



FEATURES & CONTROLS

Front Service Cover

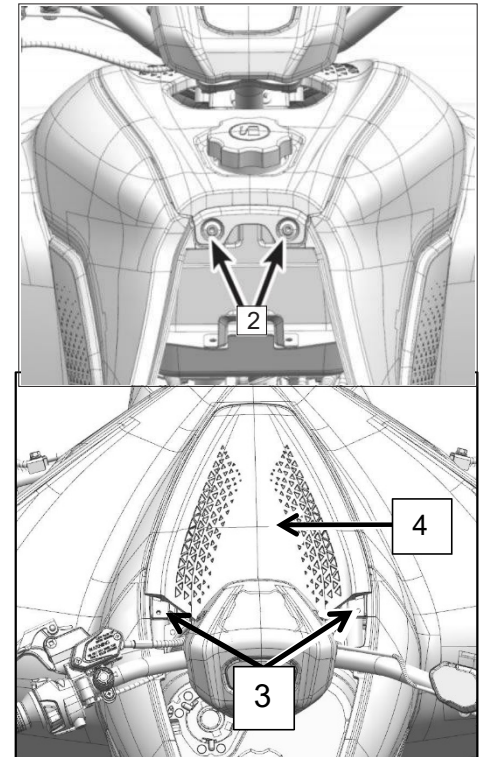
This vehicle is equipped with a service cover at the front.

Removal:

1. Remove the seat;
2. Remove the fuel tank cap;
3. Remove two bolts at the rear of the fuel tank cover;
4. Remove two screws at the front of the fuel tank cover, and remove the tank cover.

Installation:

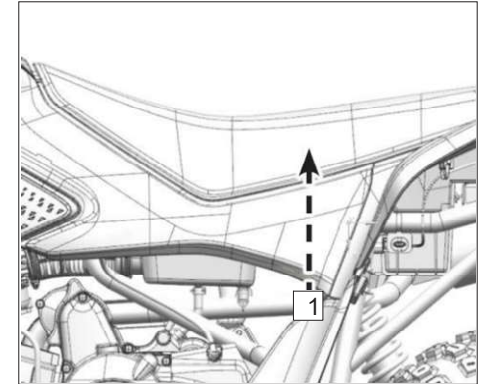
1. Install the tank cover and tighten the two front screws;
2. Install and tighten the two rear screws;
3. Install the fuel tank cap and seat.



FEATURES & CONTROLS

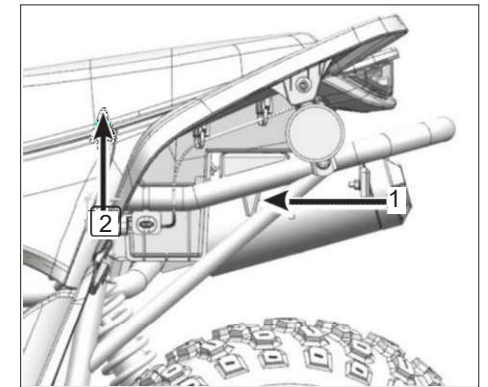
Tool Kit

Tool Kit **1** is located under the seat.



Seat

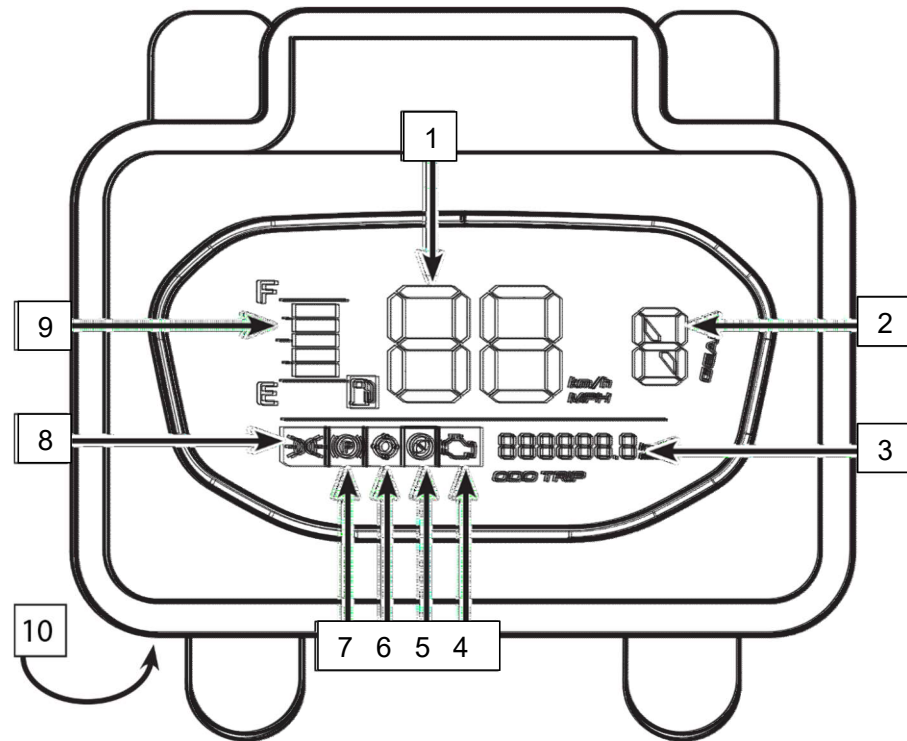
The seat lock **1** is under the seat at the rear of the vehicle.
To remove, pull the lock outward and remove the seat **2**.



FEATURES & CONTROLS

Dashboard Indicators and Warnings

(if equipped)



FEATURES & CONTROLS

1	Speedometer	2	Gear Position indicator	3	Odometer
4	EFI fault indicator	5	Kill Switch Indicator	6	Electronic Fence Indicator
7	Parking brake indicator	8	Headlight Indicator lamp	9	Fuel Gauge
10	Speed units button (kmh/mph)				

1. Speedometer

Displays the current speed.

(Units setting (kmh/mph): Press button 10 on the back of the speedometer to switch between speed units.)

2. Gear Position indicator

The current gear is displayed here.

Neutral: "N" is displayed on the dashboard;

Reverse: "R" is displayed on the dashboard;

Forward gear: "F" is displayed on the dashboard;

3. Odometer

Displays the total mileage.

(When the vehicle is turned on, the total milage is automatically displayed for 10 seconds.)

4. EFI fault indicator

A. This indicator lights up when a fault occurs in the Electronic Fuel Injection system. Stop the vehicle and contact your dealer to eliminate the fault, or it may result in serious engine damage.

B. The EFI indicator lights up when the ignition is on but engine is off.

5. Kill Switch Indicator

This indicator lights up when safety lanyard is pulled out of the kill switch.

OPERATING YOUR VEHICLE

Break-In Period

Break-in period of this vehicle is 20 hours or 320 km.

No single action on your part is as important as following the procedures for a proper break-in. Careful treatment of a new engine at the beginning of ownership will contribute to more efficient performance and longer life. Perform the following procedures carefully:

1. Select an open area that allows you to familiarize yourself with vehicle operation and handling.
2. Park the vehicle on a level surface.
3. Fill the fuel tank with gasoline.
4. Check the engine oil level. Add the recommended oil if necessary to maintain the oil level between the minimum and maximum marks on the dipstick.
5. Sit on the ATV and start the engine. Let the engine idle for a while before operating to warm it up.
6. Press the foot brake, select the desired gear, and then release the foot brake.
7. Apply the throttle. Drive slowly at first (up to $\frac{1}{2}$ throttle for 10 hours or 160 km), then another 10 hours / 160 km with up to $\frac{3}{4}$ throttle. Do not operate at a sustained idle speed or with throttle wide opened constantly.
8. Do not pull or carry loads during the break-in period.
9. Periodically check fluid levels, controls, etc. along with the items specified in the periodic maintenance chart.
10. At the end of the break-in period, replace the engine oil (at 20 hours or 320 km).

OPERATING YOUR VEHICLE

WARNING

When starting the vehicle, apply the hand brake or depress the foot brake.

Gear Shifting

Follow these steps to shift the gear:

- Make sure the throttle is off and the vehicle is completely stopped;
- Gear can be shifted to F, N, or R;
- When shifting to Forward, F is displayed on the dashboard;
- When shifting to Neutral, N is displayed on the dashboard;
- When shifting to Reverse, R is displayed on the dashboard;

WARNING

Make sure the vehicle is completely stopped before any gear shifting.

The dashboard will display the current gear position- If the display is not correct, please contact your LINHAI dealer to inspect the circuits of the shifting system.

Never load any cargo on this vehicle.

Reverse driving is dangerous. Make sure there are no people or obstacles behind the vehicle. Operate at low speed when in reverse.

OPERATING YOUR VEHICLE

Responsibility of Operators and Parents

The driver should be supervised by a parent or another adult at all times. The driver should wear the required safety riding gear.

Recreational, Group, and Distance Riding

One of the benefits of this vehicle is that the operator can go off-road driving under the supervision of parents within allowed areas, such as off-road trails or other places designated for ATV use. Stay away from areas designated for other types of off-road use unless it is specifically allowed.

Avoid Accidents or Rollover

The parents should pay attention to the operator's driving to avoid accidents.

Abrupt riding can lead to rollover or other accidents. Avoid:

- Turning at sharp angles or at excessive speeds.
- Driving on steep hills or crossing the obstacles.

OPERATING YOUR VEHICLE

Follow the guidelines below to reduce the risk of accident:

- Be careful when making turns. Reduce speed before entering into turns.
- Select an appropriate turning radius for the vehicle speed and riding conditions.
- Do not brake abruptly or aggressively while turning.
- Do not make sudden throttle changes during turning or at slow speeds.
- Never attempt wheelies, skidding, fishtailing, jumps or other stunts.
- If the vehicle happens to skid, turn the steering in the same direction the rear of the vehicle is skidding.
- This vehicle is designed for off-road use only. Do not operate on paved surfaces, sidewalks, or bicycle lanes as they are not designated for ATV use. If you must drive on a paved surface, reduce speed and avoid sudden turns, acceleration, or braking.

This vehicle can roll over sideways, or tip over forward or backwards on slopes or uneven terrain:

- Avoid driving on side-hills (driving along the slope rather than up or down a hill). When possible, drive straight up and down rather than across hills. If you must drive on side-hills, use extreme caution and avoid slippery surfaces, objects, or depressions. If you feel the vehicle start to roll over or slide sideways, steer downhill if possible.
- Avoid steep hills and follow the procedures in this manual for climbing and descending hills.
- Sudden changes in terrain such as holes, depressions, banks, softer or harder ground or other irregularities may cause the vehicle to tip or become unstable. Observe the terrain ahead and slow down in uneven terrain.

OPERATING YOUR VEHICLE

Avoiding Collisions

Never operate at excessive speeds. Always operate at a speed that is proper for the terrain, visibility, operating conditions, and your experience and skills.

This vehicle does not have the same kind of protection for collisions as cars; for example - there are no airbags, cab is not fully enclosed, no safety belts, and this ATV is not designed for collisions with other vehicles. Therefore, it is particularly important to operate carefully and wear proper riding gear.

Environment

Off-road recreation is a privilege. Maintain your privilege by respecting the environment and the rights of others to enjoy it:

- Chasing wildlife is illegal. Wildlife can die of exhaustion if chased by a motorized vehicle.
- Never purposely damage the terrain unless the operating area is designated for that type of activity.
- Follow the rule: "What you bring in, take out." Do not litter.

OPERATING YOUR VEHICLE

Practice Exercises

Before you go out for a ride, it is very important to familiarize yourself with the handling of your vehicle by practicing in a controlled environment.

Under the protection of a parent or guardian, find a suitable area to practice and perform the following exercises. It should be flat terrain, and free of obstacles like trees and large rocks.

If an incorrect driving technique is used, your ATV may continue to go straight. If the ATV does not turn, slow the vehicle and then practice the procedure again. If the riding surface is slippery or loose, it may help to transfer more of your weight to the front wheels by moving forward on the seat. Once you have learned the proper techniques, you should be able to perform maneuvers at higher speeds or in tighter curves.

Improper driving procedures such as abrupt throttle changes, excessive braking, incorrect body movements, or too much speed for the turn, may cause the ATV to tip over. If the ATV begins to tip over to the outside of the turn, lean more to the inside. It may also be necessary to gradually release the throttle and steer to the outside of the turn to avoid tipping over.

Remember: Avoid higher speeds until you are thoroughly familiar with the operation of your ATV.

OPERATING YOUR VEHICLE

Basic Operation

Familiar yourself with starting and shifting operations, then practice the following basic steps:

- Check your surroundings and determine your path of travel.
- Sit upright with both feet on the footrests and both hands on the handlebars.
- Press “START” button to power on the vehicle.
- Apply the brakes and shift the gear switch to the forward gear (F).
- Release the brakes.
- Slowly press the throttle lever with your right thumb. Operate the throttle smoothly and steadily. Vehicle speed is controlled by the throttle lever position. Abrupt or strong throttle movements may cause sudden acceleration.
- While driving, practice throttle and brake operation.
- Familiarize yourself with the throttle and braking operation, and then learn the turning and reversing operation and others.

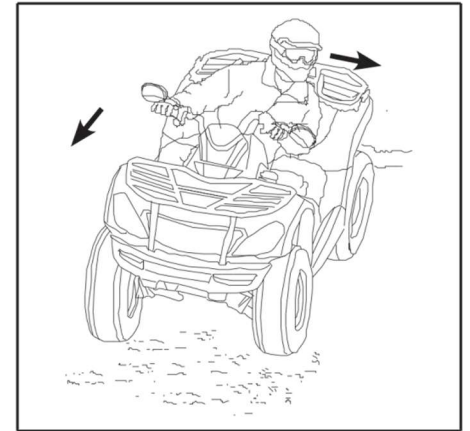
OPERATING YOUR VEHICLE

Turning Exercises

Turning is a basic driving technique, and it is one of the most frequent causes of accidents. It is easy for the vehicle to lose traction or rollover if you turn too sharply, or going too fast while turning. Slow down when you approach a turn.

Practice turning:

- Drive at low speed.
- Release the throttle.
- Check the path of travel; make sure there are no obstacles.
- Apply the throttle lever slowly, then turn the handlebars and steer in the direction of the turn you wish to make. The turning angle should be large enough to reduce the risk of rollover. Lean your upper body to the inside of the turn while supporting your weight on the outside footrest. This technique alters the balance of traction between the wheels, allowing the turn to be made smoothly.
- Return the handlebars to the straight position after completing a turn.
- After becoming familiar with the operations above, practice turning while maintaining a steady throttle.
- Practice turning in the opposite direction and performing U-turns to the left and right.
- After you are familiar with the slow speed turning operation, attempt to turn at faster speeds.



OPERATING YOUR VEHICLE

WARNING

Turning at sharp angles or at excessive speeds can result in vehicle's rollover and lead to serious injury. The higher the turning speed, the higher the risk of rollover. It is prohibited to turn at high speeds.

Abrupt throttle changes while turning may cause loss of balance or rollover.

Never practice on paved surfaces. Different operating conditions may increase the risk of rollover.

The actual conditions for turning can be complicated. Always keep alert and reduce speed, and flexibly use all the skills you have learned.

OPERATING YOUR VEHICLE

Reverse Riding Exercise

Reverse riding is another basic driving technique. Due to the vision limitation, riding in reverse is more dangerous than normal driving. Check your surroundings carefully to reduce the risk of accident.

Reverse Vision

ATV has smaller blind spots, but it is still important to keep alert.

- Place a cone marker on both sides of the vehicle beside each rear wheel.
- Ride the vehicle forward until you can see the cone markers behind you through rear mirrors or by turning your head.
- Stop your vehicle and know your blind spots, and be on high alert in following operations.

Follow these steps to practice reverse riding:

- Shift to reverse gear 'R'.
- Check for any people, obstacles or downhill slopes behind you.
- After making sure it is safe, release the foot brake pedal and press the throttle lever gradually.
- Familiar yourself with the vehicle feedback during reverse operation.

OPERATING YOUR VEHICLE

Practice turning in reverse by following the steps below:

- Shift to reverse gear (“R”).
- Check if any people, obstacles or downhill are behind you.
- Steer in the direction of the turn, with the turning angle as large as possible to reduce the risk of rollover. Lean your upper body to the inside of the turn while supporting your weight on the outer footrest. This technique alters the balance of traction between the wheels, allowing turn to be made smoothly and flexibly.
- Turn back the handlebar after the turn is completed.
- Familiarize yourself with the vehicle handling during reverse turning operation.
- Repeat the turning exercise for the other direction.

WARNING

Do not operate at wide open throttle. Never change the throttle abruptly. Open the throttle just enough to maintain a desired speed.

Never reverse downhill. Gravity will increase the speed beyond the limited reverse speed. Failure to use caution when operating in reverse can result in serious injury or death.

Applying brake mildly when reverse could help better operation of the vehicle.

Never make sharp turns during reverse.

OPERATING YOUR VEHICLE

Off-Road Riding

Off-road riding can be dangerous. Terrain may be uneven, steep, or unpredictable. Ride only where you can maintain control. Riding on unprepared terrain can lead to accidents. Always ride carefully and be aware of the terrain.

OPERATING YOUR VEHICLE

Driving on Slippery Surfaces

Slippery surfaces include wet trails, loose gravel or any surfaces during freezing weather. Riding on slippery surfaces can result in skidding, rollover, long braking distance and so on. Driving on stone or gravel roads may cause loose stones to be thrown, which could hit people or vehicles.



Follow these precautions when driving on slippery surfaces:

- Slow down when entering slippery area.
- Maintain a high level of alertness, familiarize yourself with the trail and avoid quick, sharp turns which can cause skidding.
- Correct a skid by turning the handlebars in the direction of the skid and shifting your body weight forward.
- Never apply the brakes during a skid.

OPERATING YOUR VEHICLE

Driving in Rough Terrain

- Never drive in rough terrain.

Driving over Obstacles

Obstacles include rocks, fallen trees, holes etc. Improperly crossing over obstacles may lead to rollover or people to be ejected out of the vehicle.

Follow these precautions:

- If possible, avoid crossing over obstacles.
- Never attempt to cross an obstacle higher than the ground clearance of the vehicle.
- Maintain an upright body position and stay centered to keep your balance while crossing the obstacle.
- Adjust speed without losing momentum and do not accelerate abruptly.



OPERATING YOUR VEHICLE

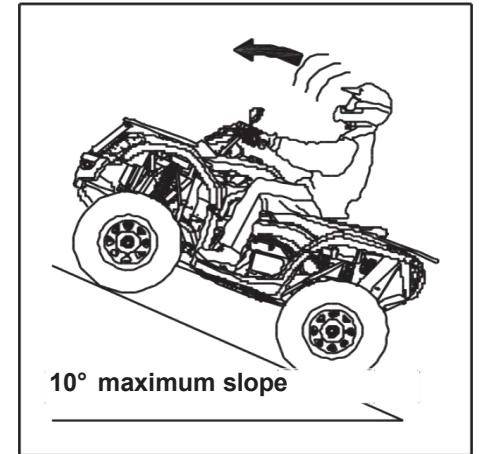
Driving on Hills

Operating on hills for young drivers is not recommended. If it is unavoidable to drive on the hills, follow these precautions:

Uphill Driving

Whenever driving uphill:

- Check the slope and avoid hills steeper than 10°.
- Keep your center of gravity forward.
- Always travel straight uphill and keep a steady speed.
- Keep both feet on the footrests; grasp both handlebars to avoid loss of balance.
- Remain alert and be prepared to take emergency actions.
- If you feel the slope is getting too steep to climb, or forward speed is lost and it is hard to continue to climb the hill, apply brakes to stop the vehicle, and give up this route if possible.
- If the vehicle begins to roll backward with no control when driving uphill, apply brakes to stop the vehicle.



OPERATING YOUR VEHICLE

Driving Downhill

When traveling down a hillside, follow these precautions:

- Check the slope and avoid hills steeper than 10°.
- Keep your center of gravity backward.
- Always travel straight downhill and keep a steady speed.
- Keep both feet on the footrests; grasp both handlebars to avoid loss of balance.
- Apply brakes lightly to reduce your speed if necessary.

WARNING

Excessive downhill speed can cause loss of control and lead to serious injury or death. Always reduce speed before traveling downhill.



Driving over Top of a Hill

When traveling over top of a hill, follow these precautions:

- Maintain a steady speed over the hilltops, and reserve enough time to react. Watch for people, obstacles, and sudden terrain changes.

PERIODIC MAINTENANCE

Careful periodic maintenance will help keep your vehicle in the safest, most reliable condition. Inspection, adjustment, and lubrication of important components are explained in the Periodic Maintenance Chart. Inspect, clean, lubricate, adjust, and replace parts as necessary. When inspection reveals the need for replacement of certain parts, always use original LINHAI parts from your dealer.

⚠ NOTE

Periodic maintenance and adjustments are critical. If you are not familiar with service and maintenance procedures, have a qualified LINHAI dealer perform the maintenance for you.

Severe Use

If the vehicle is used under severe conditions, shorten maintenance intervals by 50 % compared to the standard schedule.

LINHAI defines severe use of the vehicle as:

- Extreme hot weather operation
- Extreme cold weather operation
- Commercial usage
- Racing or race-style usage

PERIODIC MAINTENANCE

NOTE:

Owners should adjust maintenance intervals based on actual operating conditions and driving environment. Recommended intervals assume general use under ideal conditions.

Observe tires, the drive system, and brakes, and adjust maintenance accordingly. Do not follow the standard schedule rigidly.

Under ideal conditions, follow the standard maintenance intervals.

Under severe conditions, harsh usage, or frequent short riding, consult a LINHAI authorized dealer for more appropriate suggestions about maintenance intervals. Do not determine intervals by yourself, as this may reduce vehicle performance and service life.

WARNING

Procedures marked with “■” must be performed by an authorized LINHAI dealer. Improper repair may cause component failure or serious injury.

PERIODIC MAINTENANCE

LUBRICATION SCHEDULE:

Check all components at the intervals outlined in the Periodic Maintenance Chart. Items not listed in the chart should be lubricated at the general lubrication intervals.

- In demanding conditions, such as frequent operation in humid or dusty environments, change lubricants more often.
- Use All Season Grease on pivot points.
- Lubricate every 900 km, before long-term storage, after pressure washing, or after submerging the drive system.

Item	Specifications	Method
Engine oil	SAE 10W-40	Check the oil level between the marks on the dipstick.
Brake fluid	DOT4	Keep the level between upper and lower marks in the window.

PERIODIC MAINTENANCE

Pre-ride Maintenance Check

Before each use, check the vehicle according following Pre-ride Maintenance Check.

⚠ WARNING					
If a proper inspection is not done before each use, severe damage to the vehicle, severe injury, or death could occur. Always inspect the vehicle before each use to ensure it operates properly.					
	Item	Maintenance before each use			Notes
		Hour	Schedule	Km	
■	Steering system	--	Pre-Ride	--	Visually inspect, test, and check components. Make adjustments and/or repairs when required.
■	Throttle lever return	--	Pre-Ride	--	
	Front suspension / axles	--	Pre-Ride	--	
	Rear suspension / axles	--	Pre-Ride	--	
	Tires	--	Pre-Ride	--	
	Brake fluid level	--	Pre-Ride	--	
	Brake lever / brake pedal function	--	Pre-Ride	--	
	Brake system function	--	Pre-Ride	--	
	Wheels / fasteners	--	Pre-Ride	--	
■	LED Lights	--	Pre-Ride	--	Inspect. Replace lights with the new ones if necessary.

PERIODIC MAINTENANCE

Break-in Periodic Maintenance Chart

Maintain the following items as they reach 20 hours or in specified intervals, whichever comes first.

Item		▲ Break-in Maintenance Intervals (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
	General lubrication	20	-	320	Lubricate all grease points, pivots, cables etc.
	Engine oil	20	-	320	Change oil
▶	Air filter	20	-	320	Inspect; replace if dirty; do not clean
■	Valve clearance	20	-	320	Check and adjust as necessary.
▶	Brake pads	20	-	320	Inspect the thickness.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Break-in Maintenance Interval (Follow the interval for the items that becomes due first.)			Notes
		Hours	Months	Km	
	Battery	20	-	320	Check terminals, clean, test battery condition if required.
■	Idle condition	20	-	320	Test proper idle rpm. Contact LINHAI dealer for maintenance if the rpm is out of spec or erratic.
■	Steering / Wheel Alignment	20	-	320	Inspect the steering system. If wheel alignment is required, contact LINHAI dealer for maintenance.
▶	Foot brake / Hand brake	20	-	320	Inspect function. Adjust if necessary.
	Engine hoses, gaskets and seals	20	-	320	Inspect for leaks.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Periodic Maintenance Schedule

Maintain the following items that reach the intervals after 20-hour break-in period.

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
▶	Brake pads	10	1	160	Inspect pads thickness.
	Battery	20	-	320	Check terminals. Clean and test battery condition if necessary.
	Engine hoses, gaskets and seals	20	-	320	Inspect for leaks.
▶	Air filter	50	-	800	Inspect before each use. Inspect frequently if subjected to severe use. Replace if dirty. Do not clean.
▶	General lubrication	50	3	800	Lubricate all grease points, pivots, cables, etc.
▶	Engine oil	100	12	1600	Check for color change. Change oil if dirty. Change in specified intervals. Change yearly if hours or distance interval is not met.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
▶	Radiator	50	6	800	Inspect; clean external surfaces. Clean more frequently if subjected to severe use.
■	Steering system	50	6	800	Inspect. Lubricate.
▶	Front suspension	50	6	800	Lubricate. Check fasteners.
▶	Rear suspension	50	6	800	Lubricate. Check fasteners.
▶	Shift lever mechanism	50	1	800	Inspect, lubricate, and adjust if necessary.
▶ ■	Throttle body / Throttle cable	50	6	800	Inspect. Clean carbon deposits. Inspect cable and lubricate frequently if subjected to severe use.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
	Fuel filter and fuel hoses	100	24	3200	Inspect routing. Replace fuel filter and fuel hoses every 4 years.
▶	Valve clearance	100	-	3200	Inspect and adjust if necessary. Contact dealer for maintenance.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
●	Fuel system	100	12	800	Inspect fuel tank, cap, fuel pump and fuel pump relay.
	Spark plug	100	24	3200	Inspect; replace if worn or fouled.
■	Engine bracket	100	12	2400	Inspect.
	Exhaust pipe and spark arrestor	100	12	800	Inspect and clean.
▶	Wiring, fuses, connectors, relays, and cables	100	12	1600	Inspect wire routing for wear and ensure security. Apply dielectric grease if necessary to connectors subjected to water, mud, etc.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			
		Hours	Months	Km	Notes
▶ ■	Bearings	100	12	2400	Inspect for noise or looseness. Replace if necessary.
▶	Brake fluid	200	24	1600	Inspect fluid color change. Change brake fluid every 2 years.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

■ = Have an authorized dealer repair these components and systems.

PERIODIC MAINTENANCE

Item		▲ Periodic Maintenance Interval (Follow the interval for the items that becomes due first.)			Notes
		Hours	Months	Km	
	Idle condition	-	12	-	Test proper rpm. Contact dealers for maintenance if the idle rpm is out of spec or erratic.
■	Steering / Wheels alignment	-	12	-	Inspect steering system. Contact dealers for maintenance whenever steering parts or wheel alignment are required.
▶	Brake pedal height	-	12	-	Inspect. Replace brake pads or adjust brake pedal height if required.

▲ = The maintenance interval is shortened by 50% for vehicles subjected to severe use.

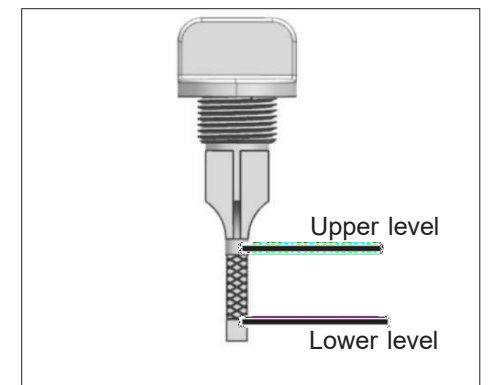
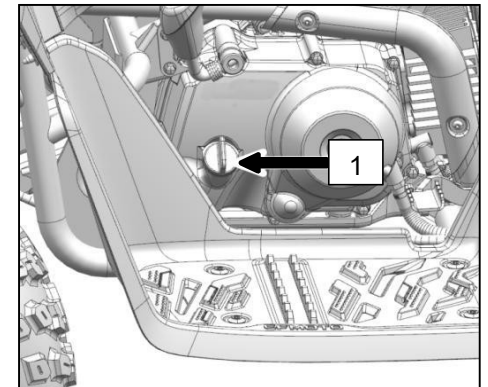
■ = Have an authorized dealer repair these components and systems.

MAINTENANCE & LUBRICATION

Engine Oil Inspection

To inspect the Engine Oil Level:

- Park the vehicle on level ground.
- Start and idle the engine for 30 seconds, then stop the engine.
- Wait for a few minutes to allow the engine oil to settle inside the engine.
- Remove the oil dipstick **1** and clean it.
- Insert the oil dipstick into the oil filler hole (do not screw it in).
- Remove the oil dipstick and make sure the oil level is between upper and lower level.
- Reinstall the oil dipstick and tighten it.



MAINTENANCE & LUBRICATION

Engine Oil replacement

Have the engine oil and oil filter changed by an authorized LINHAI dealer at the intervals according the maintenance chart.

Recommended engine oil: **MAXIMA ATV PREMIUM 10W-40 4T**

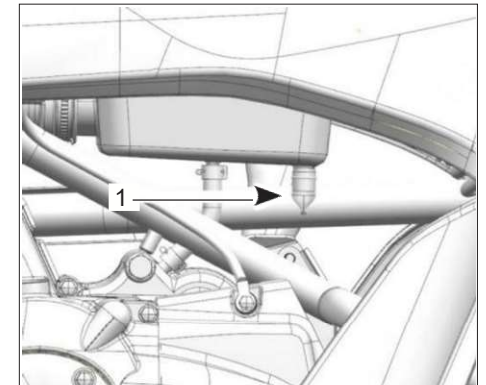
MAINTENANCE & LUBRICATION

Air Filter

There is a check hose **1** at the bottom of the air filter housing. If dust or water can be viewed in this hose, empty the check hose and clean the air filter housing thoroughly.

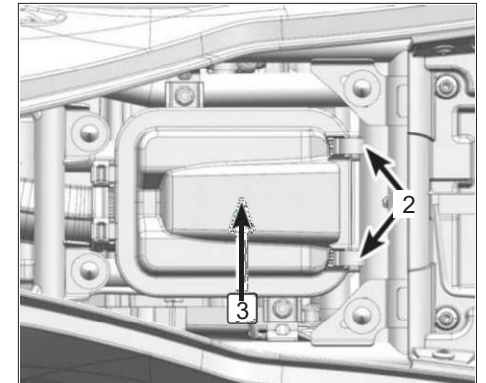
NOTE:

If there is a large amount of water in the air filter, have your dealer check the engine crankcase.



Air Filter Maintenance

- Remove the seat;
- Loosen clamps **2**;
- Remove the air filter cover **3**;
- Remove the filter element **4**;
- Remove the air filter mesh screen **5**;



MAINTENANCE & LUBRICATION

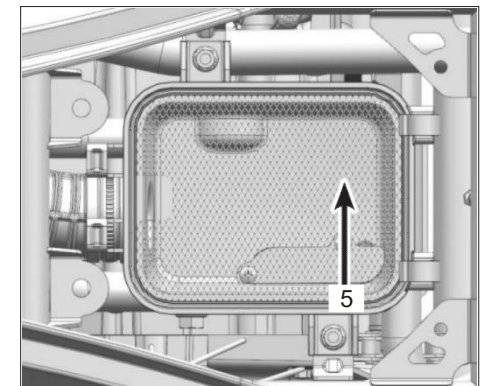
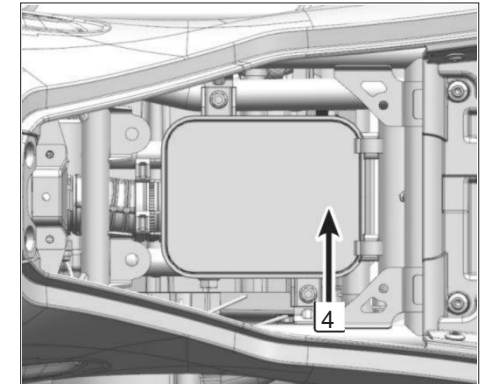
- Install the steel screen and air filter element.
- Apply lubricating oil to the inner surface of the air filter sealing ring.
- Install air filter cover and clamps. Ensure the filter is installed correctly and completely sealed.

NOTE:

The air filter must be checked and replaced more often if the ATV is operated in extremely dusty areas or if it becomes wet. Each time air filter maintenance is performed, check the air inlet to the air filter box for obstructions, the fittings of the air filter housing rubber joint, throttle body, and manifold for an airtight seal. Check that all fittings are tightened securely to avoid the possibility of unfiltered air entering the engine.

CAUTION

Do not start engine without the air filter. Air that is not filtered by air cleaner can enter the engine, causing engine wear and damage. Driving without the air filter may also reduce performance and lead to engine overheating.



MAINTENANCE & LUBRICATION

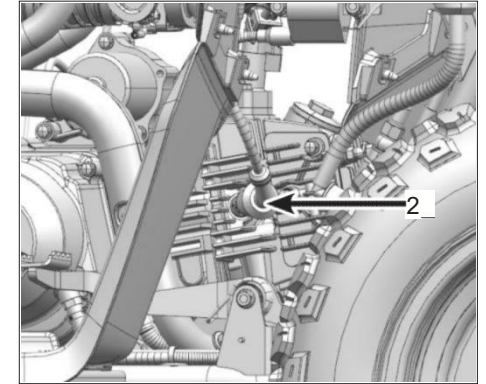
Spark plug inspection

Remove the spark plug cap. Use the spark plug wrench from the tool kit to remove the 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. The ideal color on the white insulator around the center electrode is a medium-to-light tan color for an ATV that is being ridden normally. Do not attempt to diagnose such problem yourself. Instead, take your ATV to a 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, or if carbon and other deposits are excessive, you should replace the spark plug with the specified plug.

Recommended spark plug: NGK C7HSA



MAINTENANCE & LUBRICATION

Measure the electrode gap with a thickness gauge, and if necessary, adjust the gap to specification.

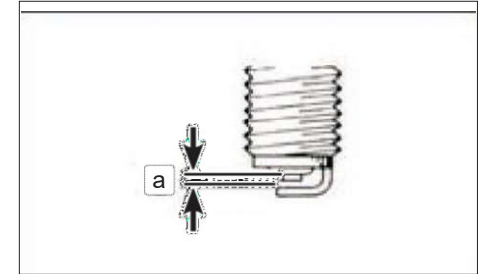
Spark plug gap a : 0.6-0,7 mm

Spark plug Installation:

1. Clean the spark plug gasket surface. Wipe off any grime from the threads.
2. Install spark plug and tighten it to specified torque.

Spark Plug Tightening Torque: 12 Nm

If a torque wrench is not available when installing the spark plug, tighten it 1/4 to 1/2 turn past finger tight. Have the spark plug torque to the specified value as soon as possible.



MAINTENANCE & LUBRICATION

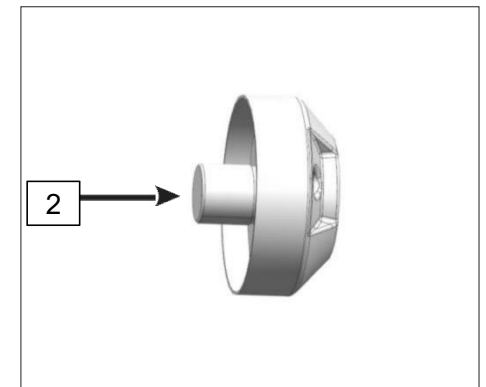
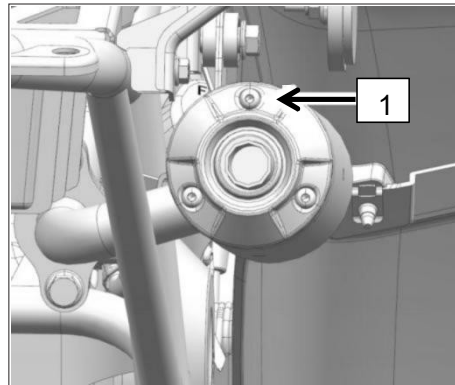
Spark Arrestor

Clean the spark arrestor when the muffler and exhaust pipe is at a normal temperature. Do not clean the spark arrestor when the engine and exhaust system is hot.

- Remove three bolts (1)
- Remove the spark arrestor (2)
- Tap the exhaust pipe gently and use a steel brush to clean the carbon deposits from the spark arrestor.
- Reinstall the muffler into the exhaust pipe
- Install three bolts (1)

⚠WARNING

When cleaning the spark arrestor, make sure the exhaust pipe has cooled completely. Do not start the engine when cleaning the exhaust system.

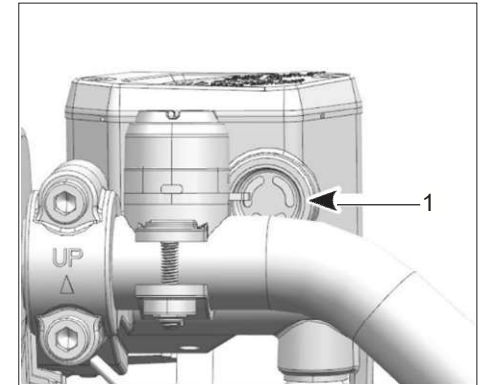


MAINTENANCE & LUBRICATION

Braking System

Brake Fluid Inspection

Front brake fluid reservoir is located at the left handlebar.
Check if brake fluid level is between the upper and lower marks
through the indicator window 1.



MAINTENANCE & LUBRICATION

Brake Pad Inspection

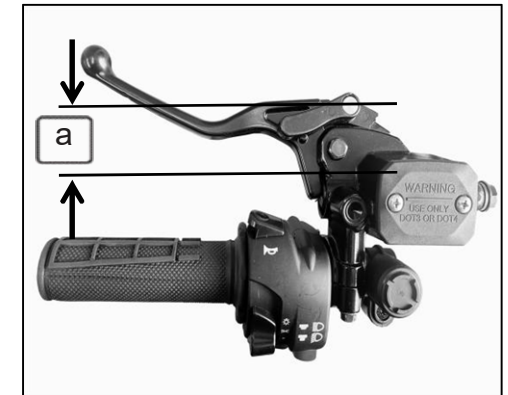
Check front brake lever free play **a**: **10-15 mm**
Contact your dealer for repair or adjustment.

DANGER

After brake pads replacement:

- Make sure the brakes operate smoothly and lever free play is correct.
- Make sure that brakes do not drag and the brake feel is firm, not spongy.
- Make sure all air is removed from the brake system.

Maintenance of brake components requires professional knowledge. These procedures should be performed only by authorized LINHAI dealer.

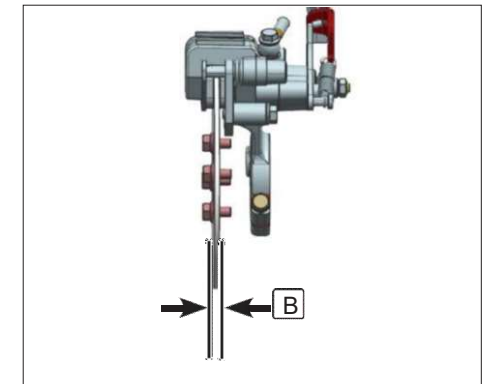
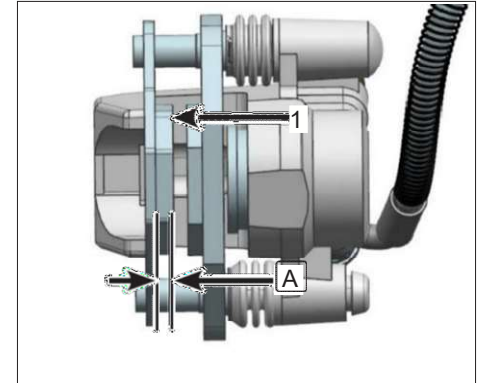


MAINTENANCE & LUBRICATION

Brake Pads Inspection

Check the brake pads **1** for damage and wear.

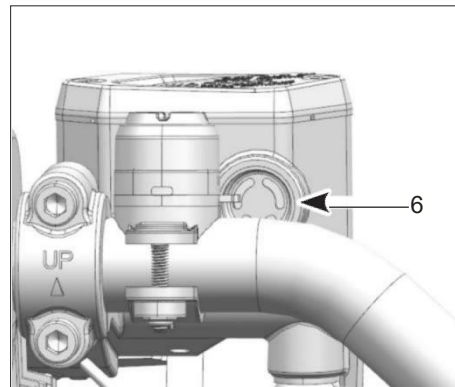
If the pad thickness **A** is less than 1.5 mm and the disc thickness **B** is less than 3.0 mm, have your LINHAI dealer replace these components. Replacement of brake components requires professional knowledge. These procedures should be performed by your LINHAI dealer.



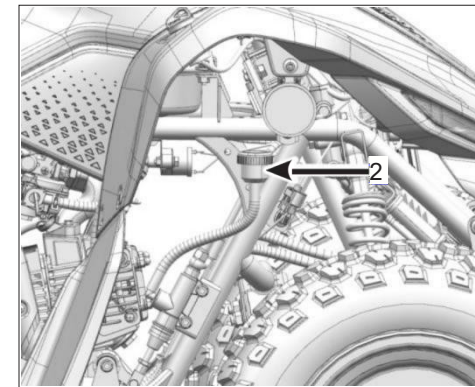
MAINTENANCE & LUBRICATION

Brake Fluid replacement

Complete brake fluid replacement should be done only by trained service personnel. Have your LINHAI dealer replace the following components during periodic maintenance or when damaged or leaking. Replace the brake hoses every 4 years. Inspect the brake fluid level to see if it is between the upper and lower marks. Insufficient brake fluid level may let air enter the brake system, possibly causing the brakes to become ineffective. Before riding, make sure that the brake fluid is above the lower level and replenish it if necessary. The front brake fluid reservoir is located on the left handlebar. The rear (foot) brake reservoir is located at the front right side of the vehicle.



Front brake fluid reservoir



Rear (foot) brake reservoir

MAINTENANCE & LUBRICATION

CAUTION

- When checking the front brake fluid level, make sure the master cylinder reservoir is in a horizontal position by turning the handlebars until the brake fluid reservoir is horizontal.
- Use only the recommended brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage and poor brake performance.
- Recommended brake fluid: DOT4.
- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor brake performance.
- Be careful not to allow water to enter the master cylinder reservoir when refilling. Water will significantly lower the brake fluid boiling point and may result in vapor lock.
- Brake fluid may damage painted surfaces or plastic parts. Always clean spilled brake fluid immediately.
- Have your LINHAI dealer check the cause if the brake fluid level goes down quickly or frequently.

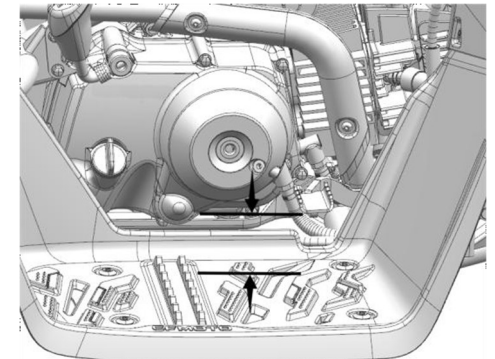
MAINTENANCE & LUBRICATION

Foot Brake Pedal Height Adjustment

The top surface of the brake pedal should be 60-70 mm above the footrest. If pedal height is beyond the specification, contact your LINHAI dealer to adjust brake pedal height.

⚠ DANGER

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



Foot Brake Light Switch

In case of brake light failure check the switch assembly or cable to see if they are properly fixed. If brake light still does not work normally, contact your LINHAI dealer.

Cables Inspection and Lubrication

⚠ WARNING

Inspect cables frequently and replace if damaged.

Lubricate inner cable and cable ends. If a cable does not operate smoothly, have it replaced by an authorized LINHAI dealer.

MAINTENANCE & LUBRICATION

Wheel and Tires

Removal and Installation

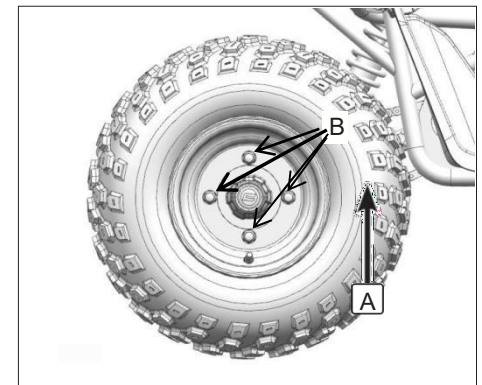
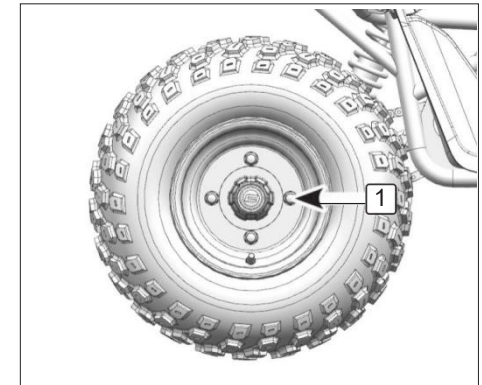
Removal

1. Stop the engine, and activate the parking brake.
2. Loosen the wheel nuts **1** slightly.
3. Elevate the side of the vehicle by placing a suitable stand under the footrest frame.
4. Remove the wheel nuts and remove the wheel.

Wheel Installation

5. With the transmission in gear and the parking brake locked, place the wheel **A** in the correct position on the wheel hub. Be sure the valve stem is toward the outside, and rotation arrows on the tire are pointing toward rotation.
6. Attach the wheel nuts and finger tighten them.
7. Lower the vehicle to the ground.
8. Torque the wheel nuts to specification.

Wheel nuts tightening torque: 60 ~ 65 Nm.



MAINTENANCE & LUBRICATION

Tire Pressure

Inspect the tire pressure before riding:

Tire:

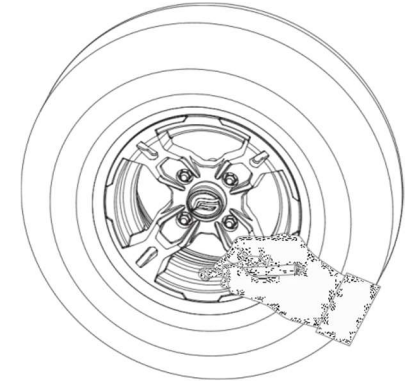
Front tire: AT19×6-10 14F

Rear tire: AT18×9-8 26F

Pressure:

35 kPa

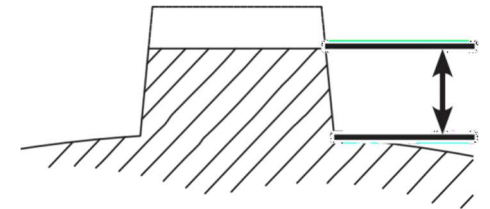
35 kPa



Tread Depth

Inspect the tread depth regularly and replace the tires if the minimum tread depth is less than:

Minimum tread depth: 1.6 mm



MAINTENANCE & LUBRICATION

Drive Chain Inspection

For safety and preventing excessive wear, drive chain slack and lubrication must be checked daily before riding as described in the Periodic Maintenance Chart.

If the chain becomes badly worn or misadjusted, it will make the chain too loose or too tight.

If chain is too tight, it will accelerate wear of the chain, sprocket, rear sprocket and rear bearings. Parts may crack or break when overloaded.

If the chain is too loose, the chain may fall off from the front or rear sprocket, which may cause locking of the rear wheel or motor damage.

The service life of the drive chain largely depends on the maintenance.

Chain Inspection

Inspect periodically the chain or inspect the chain for dirt after driving in severe conditions.

If the chain is dirty, flush any dirt particles with a soft jet of water. Clean any residual dirt and lubricate the chain with a proper chain cleaner. Spray the chain with a proper chain lubricant after the chain is dry.

 NOTE
--

When spraying chain lubricant, do not spray the lubricant onto other parts. Lubricant on the tires will decrease the tire grip, and lubricant on the brake discs will decrease the brake performance. Clean these components with a proper cleaner if over-spray occurs.
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MAINTENANCE & LUBRICATION

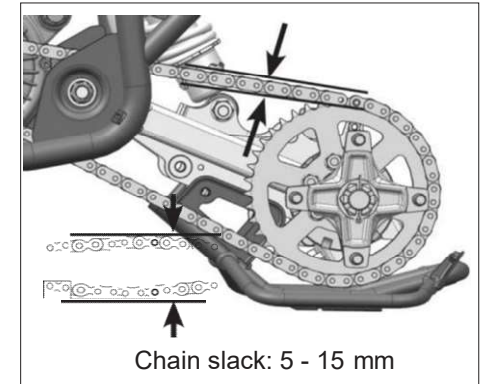
Drive Chain Tension Inspection

Shift to Neutral;
Pull up the chain and check its tension;
If the tension is out of specification, adjust it.

Drive chain slack: 5 mm ~ 15 mm

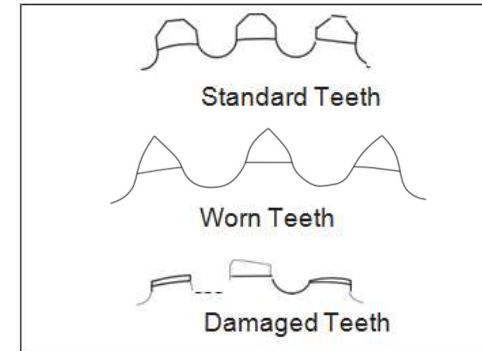
NOTE:

The wear of chain is not always the same. Rotate the rear wheel to repeat the measurement at different positions.



NOTE

For your safety, use the drive chain recommended by LINHAI. If the chain is elongated, have it replaced by an authorized LINHAI dealer. Inspect the front and rear sprockets teeth for any kind of wear. If the front sprocket or rear sprocket is worn or damaged, replace both sprockets and the drive chain as a set.



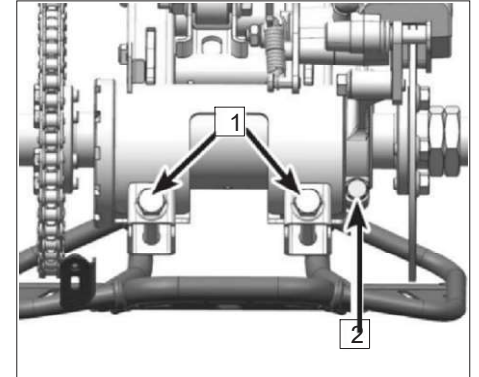
MAINTENANCE & LUBRICATION

Chain Adjustment

Remove chain sprocket cover.

Loosen bolts **1**.

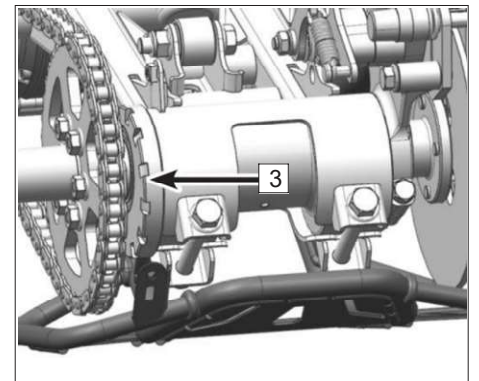
Loosen screw **2**.



Use a spanner to rotate the axle housing **3**.

Adjust chain tension to specifications.

Tighten the bolts **2** and **1**.



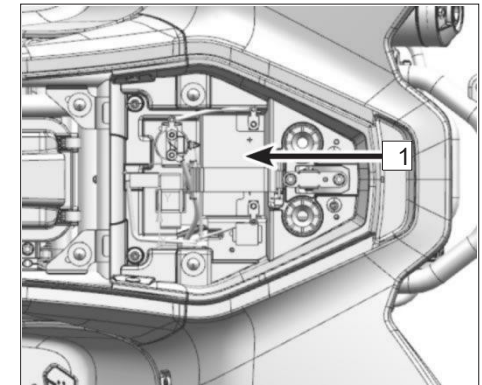
MAINTENANCE & LUBRICATION

Battery

This ATV is equipped with a low-maintenance MF 12V 5Ah battery **1** located under the seat. The maintenance-free (MF) battery does not require electrolyte inspection or adding the distilled water. If the battery appears discharged, fully charge it first. If the problem persists, consult your dealer.

Battery Use Guidelines:

- Store the battery in a cool, dry place with good ventilation.
- Storage temperature: 5~40°C.
- Fully recharge the battery before re-installation.
- Always make sure the cable connections are correct when removing and installing the battery.
- When removing:
 - Disconnect the BLACK (negative) cable first;
 - Disconnect the RED (positive) cable next.
- When installing:
 - Connect the RED (positive) cable first;
 - Connect the BLACK (negative) cable next.
- Corroded battery poles can be cleaned with a Maxima Electrical Contact Cleaner.



MAINTENANCE & LUBRICATION

Battery charging:

A special battery charger (constant low voltage/ampere charger) is required for charging MF low-maintenance batteries. Using a conventional battery charger may shorten the battery life.

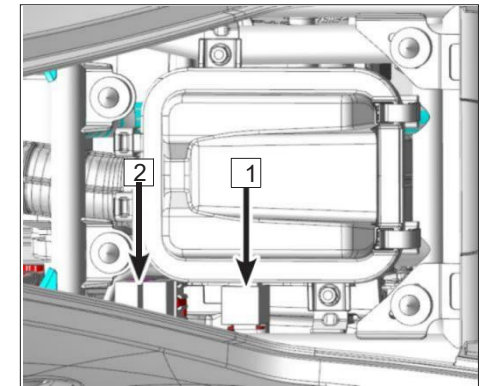
Recommended battery charger: Fully Automatic Smart 8-Stage Shark CT-4000 charger.

Fuse Box

The fuse box **1** is located under the seat.

Relay Box

The relay box **2** is located under the seat.



MAINTENANCE & LUBRICATION

Battery Maintenance Guidelines:

- If the vehicle will not be used for a month or longer, remove the battery and store it in a cool, dry place with good ventilation.
- A special battery charger (constant low voltage/ampere) is required for charging low maintenance batteries. Using a conventional battery charger may shorten the battery life.
- Always make sure the cable connections are correct when reinstalling the battery.
- Remove and install the battery following the procedure on page 106.
- Corroded battery connections can be cleaned with a Maxima Electrical Contact Cleaner.

⚠ WARNING

Do not try to remove the sealing caps of the battery cells of MF battery, or you will damage the battery.

⚠ DANGER

Avoid contact with skin, eyes or clothing. Always protect eyes when working near batteries. Keep battery out of reach of children.
--

Emergency Measures

EXTERNAL: Flush the affected area with water.

INTERNAL: Seek medical treatment immediately.

EYES: Flush eyes with water for 15 minutes and seek medical treatment immediately.

Keep batteries away from sparks, flames, cigarettes or other sources of ignition. Ventilate when charging or using the battery in a closed area.

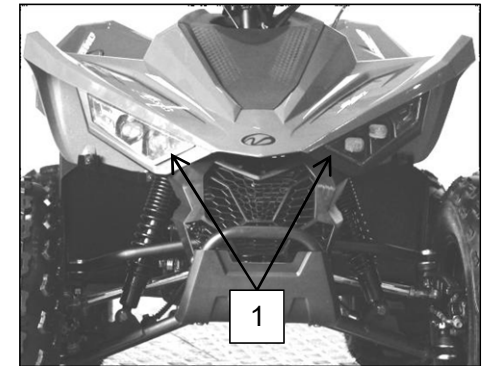
MAINTENANCE & LUBRICATION

LED Lights

LED lights replacement

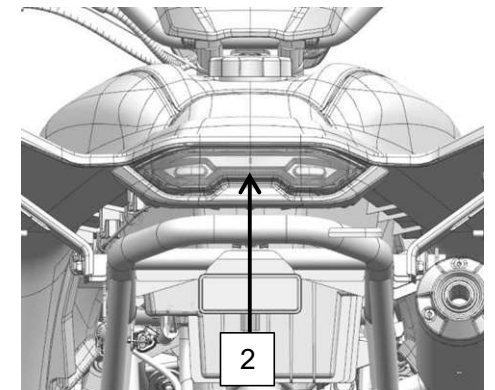
Both Position lights **1** and Taillight **2** are LED type, and cannot be repaired if damaged or failed.

Have your dealer replace the entire light when the LED light is damaged or failed.



LED Tail Light / Brake Light Replacement:

Tail light/brake light is LED light and cannot be replaced. Please have your dealer replace the entire assembly when the LED light is damaged or failed.



MAINTENANCE & LUBRICATION

Front and Rear Shock Absorber

Standard Shock Absorber

The spring preload can be adjusted to suit the rider's weight and riding conditions.

Adjust the spring preload as follows:

To decrease the spring preload, turn the adjusting ring **2** in direction **A**.

To increase the spring preload, turn the adjusting ring **2** in direction **B**.

NOTE

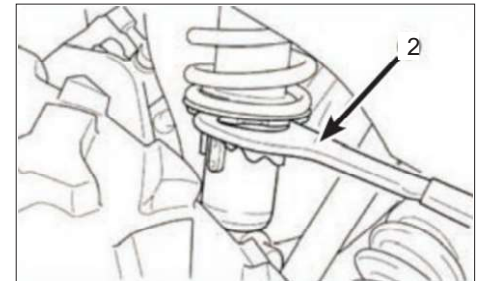
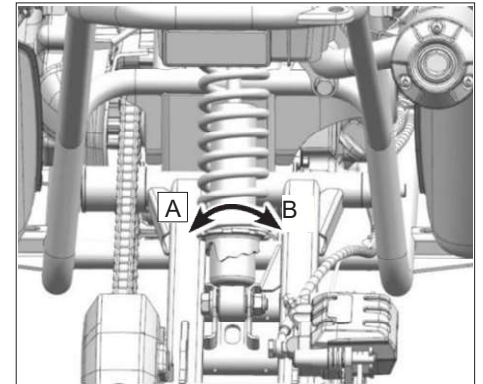
Use a special spanner wrench from a tool kit for this adjustment. (If not supplied in tool kit, please contact your dealer).

Standard preload setting:

Position #3

NOTE

Always adjust the shock absorbers on the left and right side to the same setting.

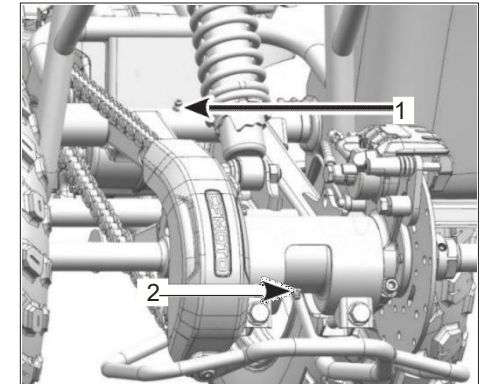


MAINTENANCE & LUBRICATION

Lubrication

Grease nipples on rear suspension **1**, and on the rear shaft **2**.
Use a grease gun to add grease into the nipples until grease lightly flows from the bushing.

Recommended lubricant:
MAXIMA WATERPROOF GREASE (All-Season Grease)



Cleaning and Storage

Cleaning the ATV

Keeping your ATV clean will not only improve its appearance, but it can also extend the life of various components. With a few precautions, your ATV can be cleaned much like an automobile.

⚠ WARNING

Before cleaning, remove the battery and keep it out of reach of children. After cleaning, wipe off all water and install the battery only after it is completely dry.

- Always clean the vehicle after the engine, exhaust and brakes have cooled.
- Do not use harsh detergents on seals, brake pads, and tires.
- Wash the vehicle by hand.
- Avoid all harsh chemicals, solvents, detergents, and household cleaning products to clean your vehicle.
- Brake fluid will damage painted and plastic surfaces. Immediately wash off any brake fluid spilled on painted or plastic surfaces.
- Avoid metal brushes, steel wool and all other abrasive pads or brushes to clean the vehicle.
- Pay more attention when washing the body panels, headlight covers, and other plastic parts as they can be easily scratched.
- Do not spray water onto the battery, LCD display, or electrical components

CLEANING & STORAGE

Preparation for Storage

Clean the entire vehicle thoroughly.

NOTE: After cleaning, wipe off all water and check the vehicle to ensure no moisture remains.

DANGER

Oils used on motorcycles and ATVs are toxic and used oils should be well disposed of. Keep used oil out of reach of children and dispose of it properly. If oil contacts your skin, wash it off immediately.

Reduce the tire pressure by 20% during storage.

Clean and lubricate the drive chain with a quality chain lube

Spray a corrosion inhibitor on all unpainted metal surfaces to prevent rusting. Avoid spraying it on rubber parts or on the brakes.

Remove the battery and store it in a cool dry place.

During storage, the battery must be charged every month.

Cover the vehicle to prevent dust. Do not use plastic, rubber, or non-breathable covers. Moisture can accumulate and cause corrosion.

NOTE

During long-term storage, the ATV must be stored in accordance with the above procedures to prevent damage to the battery, tires, chain, and other parts.

CLEANING & STORAGE

Waxing the ATV

Your ATV can be waxed with any non-abrasive automotive wax. Avoid the use of harsh products as they can scratch the vehicle's surface.

 CAUTION
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Certain products, including insect repellents and other chemicals, will damage plastic surfaces. Use caution when using these products near plastic surfaces.

Storage

Make necessary repairs to your vehicle before storing to prevent further damage when you ride it next time.

In rainy or snowy weather, the vehicle should be stored indoors.

To prevent unauthorized use of the vehicle, remove the battery and keep it out of reach of children.

Check tires

Inspect the tire treads and overall condition. Reduce the tire pressure by 20%.

Check fluid levels

Check the fluid level and change the fluid if necessary:

- Brake fluid (change every 2 years, or as required if the fluid looks dark or is contaminated).

CLEANING & STORAGE

Battery Storage

Remove the battery from the vehicle and ensure that it is fully charged before storage. Protect the battery from freezing temperatures to prevent damage.

Lubrication

Inspect all cables and lubricate them with cable lubricant according to instructions. Apply all-season grease to all lubrication points. Clean and lubricate the drive chain.

Fog the Engine

- Remove the left cover to inspect the spark plug(s).
- Remove the spark plug, rotate the piston to bottom dead center and pour approximately 15 ~ 20 ml of SAE 10W-40/SG engine oil into the cylinder.

NOTE

Be careful! If oil misses the spark plug hole, it may leak from the cylinder. To get oil into the spark plug hole, use a clean hose and small plastic squeeze bottle filled with a measured amount of oil.

- Do not connect spark plug cap at this stage. Reinstall the spark plug.
- Crank the engine several times using the electric starter. Oil will coat the piston, piston rings, and cylinder walls.
- Reinstall the spark plug and torque it to specifications. Reinstall the spark plug cap, and the side panel.

NOTE

Starting the engine during the storage period will disturb the protective film created by fogging. Corrosion could occur. Never start the engine during the storage period.

CLEANING & STORAGE

Storage Area and Covering

Reduce the tire pressure by 20% and support the vehicle. Make sure the storage area is well ventilated and cover the vehicle with ATV cover.

In rainy or snowy weather, the vehicle should be stored indoors.

NOTE

Do not use plastic or coated ATV covers. They do not allow enough ventilation to prevent condensation, and may lead to corrosion and oxidation.

TRANSPORTING THE VEHICLE

Follow these procedures when transporting the vehicle:

- Turn off the engine and remove the key to prevent it from losing during transportation.
- Ensure the fuel cap is installed correctly and safely.
- Ensure the seat is installed correctly and safely.
- Block the front and rear wheels to prevent the vehicle from moving.
- Secure both the front and rear of the vehicle frame to prevent the vehicle from moving.

VEHICLE DIAGNOSIS

VEHICLE DIAGNOSIS

This section helps the owner identify simple causes of operating problems. Some issues may require a skilled technician. Contact your dealer if the problem cannot be resolved.

Engine Does not Turn Over

Possible Cause	Solution
Blown fuse	Replace or reinstall the fuse.
Low battery voltage	Recharge battery. Make sure the battery is in good condition.
Loose battery connections	Check all connections and tighten them if necessary.
Loose starter system electrical connections	Check all connections and tighten them if necessary.
Kill switch	Check all functions.

Engine Pings or Knocks

Possible Cause	Solution
Poor quality or low octane fuel	Replace it with new 95 octane unleaded fuel.
Incorrect ignition timing.	Contact your dealer
Incorrect spark plug gap or heat range	Set spark plug gap to specs or replace plug

VEHICLE DIAGNOSIS

Engine Stops or Loses Power

Possible Cause	Solution
Overheated engine	Clean the radiator and engine surface. Contact your dealer if the problem persists
Fuel shortage	Fill the tank with new 95 octane unleaded fuel.
Kinked or plugged fuel tank vent line	Inspect and replace. Contact your dealer.
Water in fuel	Replace the fuel with a new one.
Fouled or defective spark plugs	Inspect and clean or replace the spark plug.
Worn or defective spark plug wires	Contact your dealer.
Incorrect spark plug gap or heat range	Set the gap to specs or replace the plug.
Loose ignition connections	Check all connections and tighten them.
Low battery voltage	Recharge battery. Check the charging system and make sure the battery is in good condition.
Clogged air filter	Inspect and replace if necessary.
Electronic throttle control malfunction	Contact your dealer.
Other mechanical failure	Contact your dealer.

Engine Turns Over, Fails to Start

Possible Cause	Solution
Engine turns over, Fails to start	Refuel.
Clogged fuel filter	Inspect and replace if necessary.
Water in fuel	Replace the fuel with 95 octane unleaded fuel.
Inoperative fuel pump	Inspect pump and fuse; Replace if necessary.
Old or non-recommended fuel	Replace the fuel with 95 octane unleaded fuel.
Fouled or defective spark plug	Inspect spark plug, replace if necessary.
No spark	Inspect spark plug; make sure the kill switch is on.
Crankcase filled with water or fuel	Immediately contact your dealer.
Clogged air filter	Inspect and replace if necessary.
Clogged fuel injector	Contact your dealer.
Low battery voltage	Recharge the battery. Make sure the battery is in good condition.
Mechanical failure	Contact your dealer.

Engine Backfires

Possible Cause	Solution
Weak spark	Inspect and replace spark plug if necessary
Incorrect spark plug gap or heat range	Set gap to specs or replace plug
Old or non-recommended fuel	Replace the fuel with 95 octane unleaded fuel.
Incorrectly installed spark plug wires	Contact your dealer.
Incorrect ignition timing	Contact your dealer.
Mechanical failure	Contact your dealer.
Speed limiter malfunction	Contact your dealer.

Engine turns over, Fails to start

Possible Cause	Solution
Fouled or defective spark plug	Inspect and replace spark plug if necessary.
Worn or defective spark plug wires	Contact your dealer.
Incorrect spark plug gap or heat range	Set gap to specs or replace spark plug.
Loose electrical connections	Check all connections and tighten them.
Water in fuel	Replace the old fuel with a new one.
Low battery voltage	Recharge the battery; Check the charging system.
Kinked or plugged fuel tank vent line	Inspect or replace.
Incorrect fuel	Replace the fuel with 95 octane unleaded fuel.
Clogged air filter	Inspect and replace.
Electronic throttle control malfunction	Contact your dealer.
Other mechanical failure	Contact your dealer.
Fuel mixture too lean or too rich	Contact your dealer.
Low or contaminated fuel	Add or change fuel, clean the fuel system.
Low octane fuel	Replace the fuel with 95 octane unleaded fuel.
Clogged fuel filter	Replace filter.
High octane fuel	Replace the fuel with 95 octane unleaded fuel.

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LINHAI Power Machinery Group Co.,Ltd. reserves the right to change specifications and product design without prior notice. In case of questions, please contact your local LINHAI dealer.

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