M210



www.**regalraptor**.com.tr

0 (850) 259 65 05 / info@regalraptor.com.tr Aşağıoba Mah. Toptancılar Birliği Sok.No:127/9 Döşemealtı / ANTALYA

"Regal Raptor reserves the right to make changes to the technical specifications and colors of its products without prior notice."

User and Maintenance Guide

Dear Customer,

First of all, thank you for choosing us. Welcome to the Regal Raptor family! We wish you a safe and enjoyable riding experience with your motorcycle. Regal Raptor motorcycles are manufactured with advanced technology and high-quality equipment to provide a long-lasting and reliable riding experience.

This User and Maintenance Manual provides detailed technical, maintenance, and usage information necessary to ensure your motorcycle operates safely and at full performance in all traffic conditions. Please read this manual carefully before using your motorcycle. The information in this manual is vital for your safety and the safety of your motorcycle and contains instructions that you must follow. By following these instructions, you will also contribute to the safety of those around you.

If you need any maintenance, repair, or service, we recommend that you take your motorcycle to a Regal Raptor Authorized Service Center. Professional maintenance at these centers will preserve your motorcycle's performance and extend its life. The warranty is only valid if maintenance services are performed at authorized service centers. Otherwise, the warranty will be void. Your motorcycle's warranty is valid for 2 years or 30,000 km (whichever comes first) from the date of delivery.

As Regal Raptor, we wish you a safe, durable, and high-quality riding experience. It is important to prioritize safety and responsiveness in all your rides. To ensure your motorcycle operates reliably and remains in good condition, you must follow the instructions in this guide.

We wish you pleasant and safe travels, Regal Raptor

Important Information

- No part of this User and Maintenance Manual may be copied, printed, or reproduced without prior permission.
- The information contained in this manual reflects the most current product specifications as of the date of publication.
 Regal Motor reserves the right to make changes to this manual without prior notice.
- Read this manual carefully before using your motorcycle. The motorcycle must be used in accordance with the conditions specified in this manual.
 The warranty is contingent upon proper use and maintenance.

Security Information

• Motorcycle riders are responsible for ensuring safe riding in traffic and fulfilling their legal obligations. These responsibilities include the safety of both yourself and other road users.

Driver Responsibilities:

- You must have a valid motorcycle license and carry the motorcycle's registration documents with you.
- Compulsory traffic insurance covers material and bodily damage caused to third parties in accidents.
- Always use protective equipment such as helmets, gloves, jackets, and boots. This equipment is vital in accidents.
- Driving under the influence of alcohol or drugs is not only a legal offense, but also poses serious safety risks.

Things to Keep in Mind for Safe Driving

Use of Protective Equipment:

- Wear a certified helmet that provides full protection.
- Wear impact-resistant, non-slip gloves and protective boots.
- Choose clothing with protective and reflective features.

Proper Driving Techniques:

- Assume other vehicles may not see you.
- Keep a safe distance and use your horn to communicate.
 - Slow down before turns and be cautious.

Environmental Factors:

- Reduce your speed on wet and slippery surfaces.
- Be cautious of hazards such as potholes and loose ground.

Booklet Guide

The engine of this motorcycle rotates at high speeds. To ensure normal operation of the engine, extend its life, and protect your interests, use the motorcycle in accordance with the following regulations.

This manual includes the ollowing models:

M210



- **1–2** Safe Driving and Important Warnings
- **3–4** Motorcycle Part Locations
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Motorcycle Safe Riding and Important Warnings

Protective Equipment

Motorcycle riders must wear a helmet to protect their heads from accidents. Protective equipment such as helmets, goggles, boots, and gloves should be used for personal safety. Passengers must also use the same safety equipment.

When riding a motorcycle, the exhaust muffler gets very hot. Passengers should wear boots or shoes that are high enough to cover their ankles and protect their feet to prevent burns. Riders should wear tight-fitting clothing to prevent it from getting caught on the handlebars, footrests, or tires.

Accessory

The accessories manufactured by our company are specially designed and tested to ensure the safety of the motorcycle. Users are responsible for the accessories they choose, install, and use. It is important to follow safe riding rules when using accessories not manufactured by our company. Please note the following points:

Carefully check your accessories.

Position them in a way that does not obstruct your field of vision.



Attention

Proper use can extend the life of the engine and allow the new motorcycle functions to perform optimally. Drive according to the following rules:

Avoid full throttle and do not strain the engine for the first 1000 km. The engine speed should be below 6000 rpm.

Clean the engine and change the oil after the first 300 km, 600 km, and 1000 km. The engine oil must be changed in accordance with the requirements in the operation and maintenance manual.

Warning

The EFI model has a power-driven fuel injection system. Please do not add any extra equipment. This may cause default problems or damage to the ECU.

Motorcycle Part Locations





Security Warning

WARNINGS indicate specific instructions or procedures that, if not followed correctly, could result in personal injury or loss of life.

Carefully read all WARNINGS in this guide.

Follow the instructions to stay safe.

The following cautionary signal words are used in this guide to convey the following messages:



1 This is a safety warning symbol.

When you see this symbol on your machine or in this manual, be careful to avoid personal injury. Your safety is at stake!



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



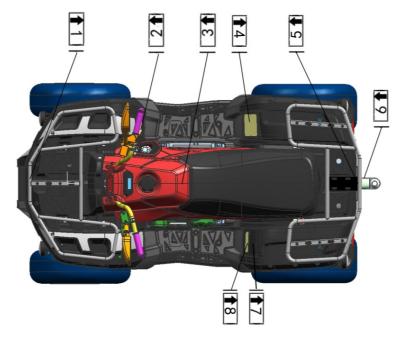
Indicates a potential hazard that could cause minor personal injury or damage to the ATV, and a situation that could damage the Machine.



The word "NOTE" in this guide is used to inform you of important information or instructions.

1 Note: Warning labels are placed on the vehicle for your safety. Carefully read and follow the instructions on each label.

If any label becomes illegible or falls off, contact your dealer for a replacement.



Security Warning



Warning

- DO NOT TOW FROM THE REAR OR BUMPER. Vehicle damage or rollover may occur, which could result in serious injury or death.
- Tow only using the tow hooks or tow hitch.
- Maximum combined load for front trunk and door: 22 lbs / 11 kg.



The use of this ATV by children under 16 increases the risk of serious injury or death for both the driver and passenger.

If you are under 16, NEVER use this vehicle.



Never use this vehicle on slopes steeper than

Use the throttle and brakes gradually to prevent tipping on sloped terrain.

Using an ATV in reverse can be dangerous, even at low speeds.

Steering and control of the ATV may become difficult.

Avoid sudden braking and sharp turns to prevent tipping over.



Warning

Improper ATV use can cause SERIOUS INJURY or DEATH.

Always wear an approved helmet and protective gear.

NEVER carry more than one passenger. NEVER operate under the influence of drugs or alcohol.

Do not carry passengers under 16 years of age or too small to securely place their feet on the footrests.

Passengers must always:

- Wear an approved helmet and protective gear.
- Hold on tightly and keep their feet firmly on the footrests.
- Tell the operator to slow down or stop if they feel uncomfortable, and get off and walk if necessary.

NEVER use:

- Without proper training or instruction
- Too fast for your abilities or the conditions

ALWAYS:

• Use proper riding techniques to prevent tipping over on hills and rough terrain.

FIND AND READ THE USER MANUAL. Follow all instructions and warnings.

Security Warning

- - DO NOT TOW FROM THE REAR OR BUMPER. Vehicle damage or rollover may occur, which could result in serious injury or death.
 - Tow only using the tow hooks or tow hitch.
 - Rear cargo maximum load: 44.5 lbs / 20 kg.
- Warning
 Pulling loads can cause the ATV to lose balance
 or control. Do not use a tow ball.

construction, rental track, or racing use.

This vehicle is designed for personal recreation and is not intended for industrial, agricultural,

The clutch will wear abnormally under prolonged use in combined speed conditions.

It is prohibited to operate the vehicle without training or on improper terrain/ramps/loads.

If the vehicle is stuck in mud, accelerating is prohibited; this will prevent the vehicle from moving forward and cause the clutch to burn out.

Warning

Incorrect tire pressure or overloading can cause loss of control.

Loss of control can result in serious injury or death.

• Cold tire pressure:

Front: 7 psi (48 kPa)

Rear: 7 psi (48 kPa)

• Maximum load capacity: 375 lbs (160 kg)

POTENTIAL HAZARD

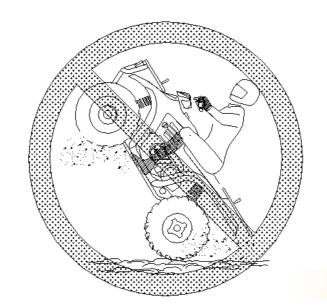
Trying to do a wheelie, jumping, or performing other stunts.

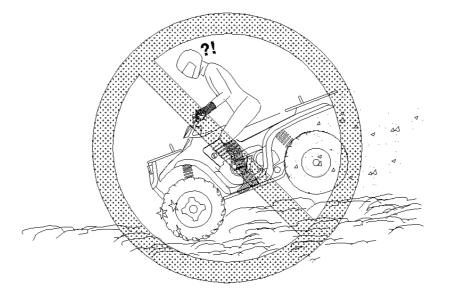
POSSIBILITIES

Increases the risk of accidents, including tipping over.

HOW TO AVOID DANGER?

Never attempt any stunts such as wheelies or jumps.





POTENTIAL HAZARD

Do not use this ATV in unfamiliar terrain without taking extra care.

POSSIBILITIES

You may suddenly encounter hidden rocks, bumps, or pits without enough time to react.

This can cause the ATV to tip over or lose control.

HOW TO AVOID DANGER?

When driving on unfamiliar terrain, drive slowly and be extra careful.

When using an ATV, always be alert to changing terrain conditions.

Descent:

Descend from the uphill side, or if the ATV is pointing straight up, descend from either side.

Turn the ATV over and remount it according to the procedure described in the Owner's Manual.

POTENTIAL HAZARD

The engine stalling while climbing a hill, rolling backward, or improperly getting on or off.

POSSIBILITIES

It could cause the ATV to tip over.

HOW TO AVOID DANGER

Maintain a steady speed when going uphill.

If you lose all forward momentum:

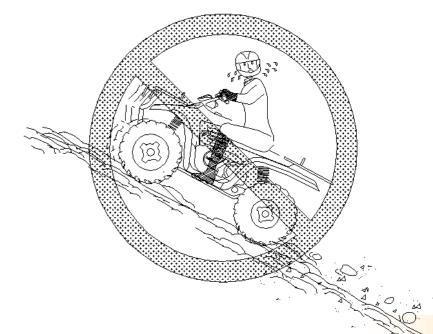
Shift your weight uphill. Apply the brakes.

When you come to a complete stop, lock the parking brake.

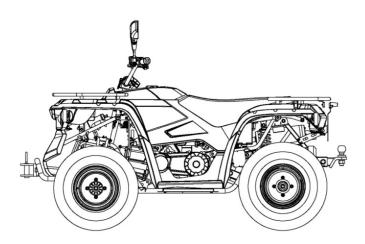
If you start sliding backward:

Use your body weight to climb uphill; never use engine power.

Never use the rear brake when rolling backward. Apply the front brake slowly and in a controlled manner. Once you have come to a complete stop, apply the rear brake and lock the parking brake.



Security Warning



Precautions to take when attaching equipment or towing a trailer with an ATV

When attaching towing equipment or a trailer, the engine must be turned off and the ATV must be parked in a safe location.

Please carefully read the equipment or trailer's installation instructions, warning signs, and user manual.

The procedure must be performed in accordance with the user manual.

It is strictly prohibited to start the vehicle with equipment or a trailer attached to the ATV before the installation of the towing equipment or trailer is complete.

When attaching towing equipment or a trailer to an ATV, there is a risk of personal injury for those without sufficient experience.

It is recommended that professionals perform the procedure when necessary.

Before people dismount from the ATV, the equipment must be completely lowered to the ground.

When the ATV is operating with a trailer attached, people should stay clear of the area between the ATV and the trailer.

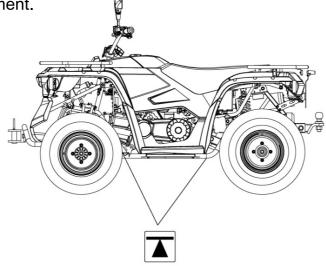
A front loader and/or rear excavator cannot be attached.

This ATV is not suitable for "forestry applications" or "working with agricultural spraying equipment."

DANGER

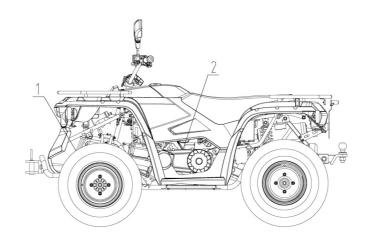
This ATV is not designed for use with front-mounted equipment such as front loaders or front dozers.

Do not operate the ATV with such front-mounted equipment.



CRITICAL POINTS

The location of this mark is the recommended jacking point.



Get these numbers from your ATV and record them in the spaces provided.

Chassis VIN number (is located at the front of the chassis)

Engine serial number (on the upper left side of the engine crankcase)

Remove the spare key and store it in a safe place. Your key can only be duplicated by providing a blank key and matching and cutting it with your existing key.

Record the key number.

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The vehicle chassis and engine serial numbers are important for model identification when registering your vehicle, obtaining insurance, or needing replacement parts.

In the event your vehicle is stolen, these numbers are necessary for locating your ATV and identifying it.

FUNCTION OF THE PARTS



Throttle Lever Function:
Engine speed and vehicle movement are controlled by pressing the throttle lever (1). The throttle lever is spring-loaded and returns to idle when released



Starting the Engine

- 1. Sit on the ATV.
- 2. Turn the key to the '() 'position.
- 3. Put the gear in neutral (N position).
- 4. Pull the handbrake lever.
- 5. Press the engine start button.
- Do not open the throttle more than 20% during operation.
- Press the starter button for no more than 5 seconds each time. If the engine does not start, wait 5 seconds and try again.

After starting the engine, allow it to idle for a short time.

Note: If the engine is difficult to start, check the battery and fuel levels. Pressing the starter button for a long time can cause the battery to drain and damage the starter motor.



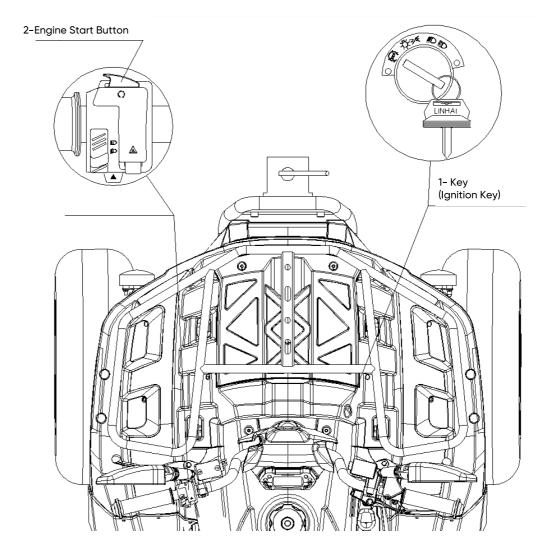
⚠ Warning

Do not start or operate the ATV with the throttle lever attached or malfunctioning. An attached or malfunctioning throttle lever can cause accidents that may result in serious injury or death. Always contact your dealer if there is a problem with the throttle lever.

Failure to check that the throttle system is working properly may cause the throttle lever to jam during operation and lead to an accident.

Before starting the engine and periodically during operation, ensure that the throttle lever moves freely and returns to its original position when released.





- 2. Engine Start Button
 Press this button to start the engine.

≜ Warni

This ATV is not equipped with lighting suitable for road use. It is only suitable for off-road use and should not be used on streets or highways. Be cautious and drive slowly in conditions where visibility is reduced, such as fog, rain, or at night.

Note: When the key is in the "-\tilde{\to}-\sigma\cdots" position, the rear light stays on. Turn off the key to prevent the battery from draining.

Cold Engine Start Procedure

⚠ Warning: Never operate the engine in a closed or airless environment. Exhaust gas contains carbon monoxide and can cause poisoning, loss of consciousness, or death within a short time. Always operate the engine in an open area.

Front and Rear Brakes

The front and rear brakes should be checked before every ride.

The front brake lever is located on the right handlebar.
The rear brake lever is located on the left handlebar.

Caution

Once opened, the brake fluid bottle should be used up to the required amount, and the remainder should be discarded. Do not store or reuse an open bottle. Brake fluid is hygroscopic, meaning it quickly absorbs moisture from the air. This lowers the boiling point, which can lead to premature reduction in brake performance and serious injury.

Front Brakes

The front brakes are located on the right handlebar and are operated with the right hand. They are hydraulic disc brakes.

Before each ride, test the movement of the brake lever and the fluid level in the reservoir.

The lever should feel firm when the brake is applied. A spongy feel indicates a fluid leak or low master cylinder fluid level; this must be corrected before riding.

Ensure that the front and rear brakes are working evenly. Test the brakes at low speed. Contact your dealer for proper diagnosis and repair when necessary.

Warning

Be careful when using the front brake. If you apply the brake too hard, the front wheels may lock up and the ATV may lose direction and tip over.

Rear Brakes

The rear brakes are located on the left handlebar and are operated with the left hand. They are hydraulic disc brakes.

Before riding, check the movement of the brake lever and the fluid level in the reservoir.

The lever should feel firm when squeezed. A spongy feel indicates a fluid leak or low master cylinder fluid level. This condition must be corrected before riding.

Consult your dealer when necessary.

Warning

Be careful when using the rear brake. If you apply the brake too hard, the rear wheels may skid, causing the ATV to swerve and lose control.

General Brake Warnings

Never use an ATV with spongy brakes. This can lead to brake failure and an accident.

Do not use an ATV with uneven front brakes. Uneven brakes can cause loss of control and pose a risk of accident.

Parking Brake

The rear parking brake is activated by turning the parking lever to the right. To release the lock, turn it to the left, and the lever returns to the free position.

⚠ Warning: Before starting the ATV, make sure the parking brake is fully released. Failure to release the parking brake can result in serious accidents.

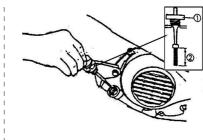
Fuel and Oil System

• Warning: Gasoline is highly flammable and poses an explosion risk. Always be careful, do not refuel without stopping the engine, refuel in an open area or well-ventilated place.

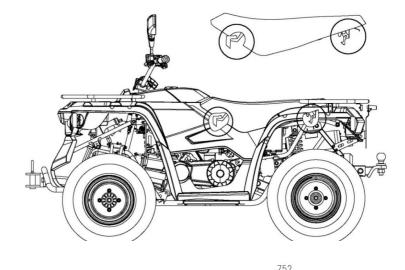
The fuel tank cap is located just behind the handlebar. Use regular unleaded gasoline.

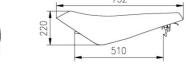
You can travel approximately 15 km on reserve fuel; in this case, refuel as soon as possible.

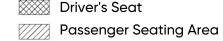
A Caution: Use only SAE 15W/40 SG motor oil. Mixing different brands or types of oil can cause serious damage to the engine and void the warranty.

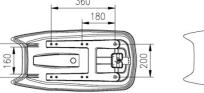


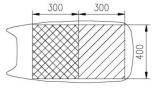
Seat / Saddle











A second passenger is not permitted.

Break-in Period

The break-in period for your new ATV is defined as the first 50 hours of use. The care you take during the break-in period is very important for the long life and efficient operation of your engine.

A Caution: Do not use full throttle or drive at high speeds for extended periods during the break-in period. Overheating can damage engine parts.

Recommendations:

- During the break-in period, open the throttle no more than halfway.
- Fill the fuel tank.
- Check the oil level with the dipstick and add oil if necessary.
- Drive slowly during the first few trips and choose an open area to get to know the vehicle.
- Try different throttle levels; do not use the same RPM continuously.
- Do not run the engine at idle for long periods.
- After the first 2 hours, lubricate the chain and check its tension.
- Do not pull any loads during the break-in period.
- Before each ride, check fluid levels, controls, and critical parts.

Following these rules will extend the engine's life and improve its performance.

Protective Driving Equipment

When riding an ATV, it is essential to always use appropriate protective gear. The right gear provides comfort and reduces the risk of injury in the event of an accident.

Helmet

It is the most important piece of protective equipment. The right helmet can prevent serious head injuries. Always use an approved helmet that fits your head properly.

Eye Protection

Use protective eyewear or a visor helmet to protect your eyes from dust, mud, stones, and insects.

Glove

Gloves suitable for off-road driving protect your hands from impacts, cold, and friction.

Bot

Choose sturdy, heeled, ankle-high boots with a solid sole. Moto-cross style boots provide the best protection.

Clothing

Long-sleeved tops and long pants are required. Knee-protected pants, shoulder-padded uniforms, or jackets provide additional protection.

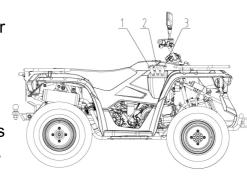


Gear System

This ATV has three gear positions:

- 1 Reverse Gear (R)
- 2 Neutral (N)
- 3 Forward Gear (F)

The gear indicator shows the selected gear position.



Pre-Drive Warning

⚠ Warning: Inspect your ATV before every ride. Failure to do so may result in serious injury or death.

Basic Driving Steps

- 1. Sit upright on the ATV, place both feet on the footrests and your hands on the handlebars.
- 2. Start the engine and let it warm up at idle speed.
- 3. Check your surroundings and determine the direction you will be traveling.
- 4. Release the parking brake.
- 5. Slowly press the throttle lever with your right thumb to move forward. The vehicle's speed depends on how much you press the throttle lever.
- Practice maneuvering and braking at low speeds on flat ground.

Turns

Practice turning at low speeds. This ATV has a fixed rear axle, so both rear wheels turn at the same time. During turns, the outer wheel travels a longer distance than the inner wheel, so the inner wheel may slip slightly. Lean your body toward the outer footrest when turning. This technique ensures a more balanced turn.

⚠ Warning: Avoid sharp turns, as there is a risk of tipping over and serious injury.

Driving on Slippery Surfaces

Be careful on wet roads, loose gravel, or icy surfaces. Always:

- Slow down.
- Avoid sudden maneuvers.
- During a skid, turn the handlebars in the direction of the skid and shift your weight forward.
- Do not brake during a skid.
- Avoid riding on very slippery surfaces.

• Warning: Careless driving on slippery surfaces can cause you to lose control of the vehicle and roll over.

ground.

Uphill Drive

Rules:

- Always climb uphill in a straight line.
- Avoid steep inclines (maximum 15%).
- Shift your weight forward.
- Maintain a steady speed and throttle angle.
- Avoid sudden movements.

• Warning: Driving on hilly terrain requires extreme caution. Improper braking or loss of control can cause the vehicle to roll over.



Downhill Driving

- Always descend slopes in a straight line.
- Shift your weight backward.
- Slow down and use the brakes gently.

⚠ Warning: Descending steep slopes at high speeds is dangerous. It can cause you to lose control of the vehicle and overturn.

Driving on a Slope

Driving on a side slope is the most dangerous type of driving and should be avoided if possible. If you must drive on a side slope:

- Drive slowly.
- Lean your body toward the upper side of the slope.
- Turn the steering wheel slightly toward the slope.
- If the vehicle starts to roll over, turn the front wheel downhill or immediately drive off the slope.

⚠ Warning: Incorrect side slope driving can lead to loss of control and rollover.



Water Crossing

Your ATV can be used in water up to 10 cm (4 inches) deep. Rules:

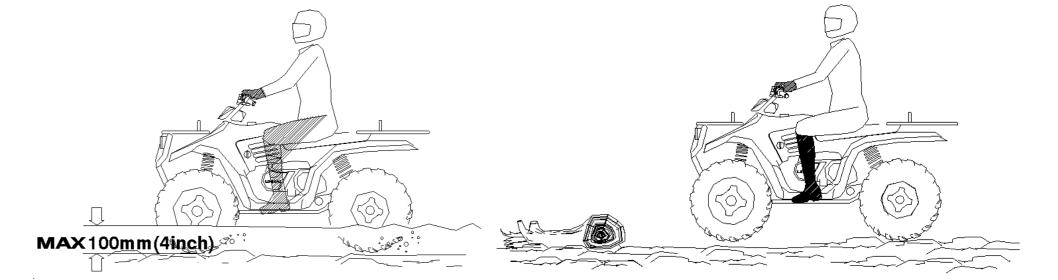
- Check the water depth and current.
- Choose points with gradual banks.
- Drive slowly and avoid sudden maneuvers.
- After exiting the water, dry it by gently pressing the brakes.

1 Caution: Do not use the ATV in deep or fast-flowing water. Vehicles exposed to water must be serviced (oil, filters, etc. must be checked).

Barrier Crossing

Follow the road while driving and be careful of obstacles.

- Avoid large rocks, logs, or hidden obstacles.
- If you must drive over an obstacle, do so very slowly and carefully.



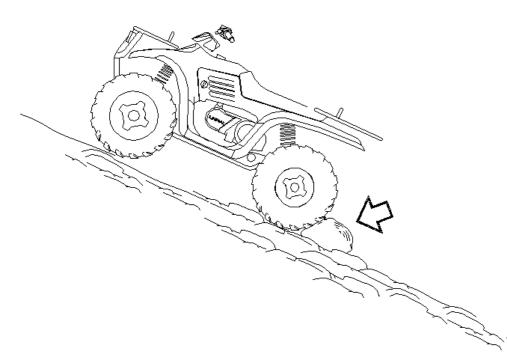
Turning and Parking on a Hill

If the vehicle stops on an incline:

- Apply the parking brake.
- Turn off the engine.
- Get off from the uphill side.
- Turn the ATV upright and get back on.

During parking:

- Turn off the engine.
- Apply the parking brake.
- Turn off the fuel.
- If parking on a slope is necessary, support the wheels with rocks or chocks.



1 UWarning: Do not leave the ATV on a slope for more than 5 minutes relying solely on the parking brake.

CVT System

The CVT (Continuously Variable Transmission) system rotates at high speeds and generates significant forces on its components. Therefore, it requires special attention during maintenance and use.

Warnings

⚠ Warning: Do not modify any component of the CVT system. This may reduce the durability of the parts and increase the risk of failure at high speeds.

⚠ Warning: The CVT cover must always be in place and properly closed during use. Failure to do so may result in serious injury.

⚠ Warning: Regular maintenance of the CVT system is the user's responsibility. Have all maintenance and inspections performed as specified in this manual and on time.

Pre-Drive Checks

Before riding, take a few minutes to check your motorcycle.

This reduces the failure rate and ensures safe riding.

Engine Oil Level:

Add oil when necessary. Check for oil leaks.

Brake Check:

Check the front and rear brakes.

Adjust the brake path and test the braking functions.

Tire Inspection:

Check the tire pressure and wear condition. If there is a problem, repair or replace it.

Throttle Control:

Check the throttle butterfly valve housing, adjust the cable connection, or replace it if necessary.

Light and Signal Control:

Check the functions of the headlights, taillights, turn signals, and horn.

Chain Control:

Check the tension or lubrication.

Replace if excessively worn or damaged.

Steering Control:

Check its flexibility and stability.

Motor Control:

Check the engine sounds and coolant.

10



General Warnings

⚠ Warning: When removing the battery, always disconnect the black (-) terminal first. When installing the battery, connect the black (-) terminal last. Failure to do so may result in an explosion.

⚠ Warning: Batteries produce explosive gas. Keep away from sparks, fire, or cigarettes. Ventilate the area during charging. Protect your eyes when working with batteries. Keep out of reach of children.

Battery Type

This ATV is equipped with a maintenance-free (MF) battery. You do not need to add battery fluid.

Removing the Battery

- 1. Remove the driver's seat and battery cover.
- 2. First, disconnect the black (-) cable.
- 3. Then disconnect the red (+) cable.
- 4. Carefully remove the battery from the ATV.

Installing the Battery

- 1. Place the battery in its compartment.
- 2. First connect the red (+) cable and tighten it.
- 3. Then connect the black (-) cable and tighten it.
- 4. Ensure the cables are correctly oriented.

Note: Battery terminals must be clean and free of corrosion. If necessary, clean them with a wire brush and apply a thin layer of grease or petroleum jelly.

Storage and Maintenance

- If the ATV will not be used for a month or longer, the battery should be removed and stored fully charged in a cool, dry place.
- Before using it again, have the battery checked and charged by your dealer.
- When installing a new battery, make sure it is fully charged. Using a battery that is not fully charged can shorten its life.

Exhaust System

General Warnings

⚠ Warning: Modifying the noise control system is prohibited. Do not tamper with any part of the exhaust system.

A Caution: The exhaust system is extremely hot after use. Do not touch the exhaust pipes or muffler; doing so may cause serious hurns.

⚠ Caution: Do not drive over tall grass, dry leaves, or flammable materials. The exhaust heat can cause a fire.

Spark Suppressor

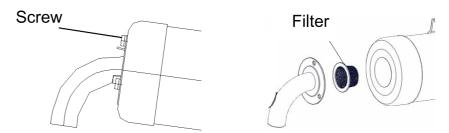
The spark arrestor located at the bottom of the muffler should be cleaned of carbon deposits at regular intervals.

Cleaning procedure:

- 1. Remove the spark arrestor screw located under the muffler.
- 2. Remove the metal mesh filter.
- 3. Clean the spark arrestor or replace it with a new one if necessary.

⚠ Warning: Do not perform this procedure immediately after the engine has stopped. The exhaust system may be very hot.

⚠ Warning: Do not keep flammable materials near the exhaust. Fire may occur during cleaning.





Regular maintenance is essential for the safe and efficient operation of your ATV. Failure to adhere to the specified maintenance intervals may result in loss of performance, malfunctions, and safety risks.

General Warnings

⚠ Warning: Incorrect adjustments or insufficient tightening torques can cause the steering wheel to lock, loosen, or cause you to lose control of the vehicle. This can result in serious injury or death.

Engine Oil and Filter Change

- Oil change: Every 30 hours or every 3 months (whichever comes first)
- First oil change after break-in: Must be done after 20 hours or 1 month
- More frequent changes may be required in cold weather

Steps:

- 1. Place the ATV on level ground and engage the parking brake.
- 2. Run the engine for 2-3 minutes to warm up the oil, then shut it off.
- 3. Remove the drain plug and drain the oil.
- 4. Install a new gasket and replace the plug (19 Nm torque).
- 5. Add new oil (SAE 15W/40 SG).

Storage Tips

⚠ Caution: Do not run the engine during storage. This may damage the protective film created by fogging.

Cleaning

Thoroughly clean the ATV.

Oil Change and Filter Replacement Warm up the engine and change the oil and oil filter.

Air Filter / Air Box

Check, clean, or replace the air filter element. Clean the air box.

Check All Fluid Levels

Check the following fluid levels and change if necessary:

Transmission fluid

Brake fluid (change every two years or if the fluid has thickened/become contaminated)

Engine Fogging

Spray a light amount of oil into the cylinder through the spark plug hole.

Check and Lubricate Cables and Grease Points Check and lubricate all cables.

Battery Maintenance

Remove the battery and apply dielectric grease to the terminals. Charge the battery.

NOTE: Do not use plastic or coated materials. These types of materials do not allow for adequate ventilation, may cause condensation, and can accelerate corrosion.

Maintenance Intervals

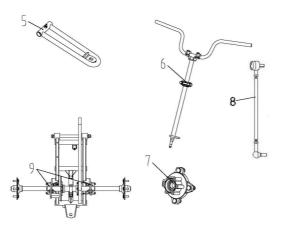
The table below shows the regular maintenance intervals for your ATV. Maintenance should be performed more frequently for vehicles used in harsh conditions (muddy, dusty, or excessively wet environments).

Part / System	Inspection Interval	Description
Brake System	Before each ride	Brake lever, hydraulic fluid and operation should be checked
Tires	Before each ride	Pressure and wear should be checked
Wheel Nuts	Before each ride	Nuts must be tight, safety pin should be checked
Air Filter	Weekly	Should be cleaned or replaced if necessary
Engine Oil	Every 30 hours / 3 months	Oil level should be checked and replaced
Spark Plug	Every 100 hours / 12 months	Should be checked and replaced if necessary
Chain	Before and after each use	Should be lubricated and tension adjusted
Gear Oil	100 hours / Once a year	Should be replaced
Battery	Monthly	Terminals should be cleaned and charge should be checked



Lubrication Recommendations Table

Item	Lube Rec	Method	Frequency
1. Engine Oil	SAE 15W/40 SG	Add to the proper level indicated on the dipstick	Check the level daily
2. Brake Fluid	DOT 3 (only)	Keep the level between the fill marks. See "7. INSPECTION" section	As needed; replace every 2 years every 200 hours
3. Transmission Oil	SEA 80W/90 GL5	See "15. MAINTENANCE / TRANSMISSION OIL" section	Annually or every 100 hours
4. Chain Lubricant	Graphite-based	Spray graphite-based chain lube	Before and after each use
5. Front A-arm	Grease	Locate the pivot pin lubrication point and grease with a grease gun	Every 3 months or 50 hours
6. Steering Post Bushings	Grease	Locate the lubrication point on the pivot shaft and grease with a grease gun	Every 3 months or 50 hours
7. Front Wheel Bearings	Grease	Inspect as needed and replace bearings	Twice a year (Semi-annually)
8. Tie Rods	Grease	Locate lubrication points and grease	Twice a year (Semi-annually)
9. Rear Axle Bearing	Grease	Locate lubrication points and grease	Every 3 months or 50 hours
10. Throttle Cable	Grease M	Lubricate, inspect, and replace if necessary	Monthly or every 20 hours



Maintenance Table

Item	Hours	Time	Notes
Engine ventilation hose	100 hours	6 months	Check
Throttle cable	50 hours	6 months	Check – adjust, lubricate, replace if necessary; pre-ride inspection item
Drive belt	50 hours	6 months	Check, replace if necessary
Steering	50 hours	6 months	Check daily, lubricate
• Rear axle	50 hours	6 months	Check bearings, lubricate
● Front suspension	50 hours	6 months	Tighten bolts
Rear suspension	50 hours	6 months	Check, tighten bolts
Spark plug	100 hours	12 months	Check – replace if necessary
Ignition timing	100 hours	12 months	Check and adjust when needed
Fuel system	100 hours	12 months	Inspect tank, cap, hoses, fuel tap, filter leakage; replace fuel lines once a year
Fuel filter	100 hours	12 months	Replace once a year
Chain	Before and after each use	Before and after each use	After the first 2 hours of use and before/after each ride, lubricate and adjust chain tension

Maintenance Table

Part / Section	Hours	Time	Description
Spark arrestor	10 hours	Monthly	Clean – replace if necessary
Clutches (drive and driven)	25 hours	3 months	Check, clean
Engine mounts	25 hours	3 months	Check
Valve adjustment	100 hours	12 months	Check / adjust
Brake fluid	200 hours	24 months	Replace every two years
Idle adjustment	As needed	As needed	Adjust
Toe adjustment (front wheel alignment)	As needed	As needed	Periodic inspection, adjust when parts are replaced
Headlight adjustment (if applicable)	As needed	As needed	Adjust if necessary



... Warning

Improper adjustment of the handlebar or incorrect torque on the adjustment block bolts may result in limited steering control or loosening of the handlebar. This situation may lead to loss of control and result in serious injury or death.

Handlebar Adjustment and Maintenance

Your ATV's handlebar can be adjusted according to your personal preference.

Remove the handlebar cover. Loosen the four bolts.

Adjust the handlebar to the desired height. Make sure that when the handlebar is turned fully to the left or right, it does not hit the fuel tank or any other part of the machine. Tighten the handlebar adjustment block bolts to 10–12 ft.lbs (14–16 Nm) of torque.

Tighten the bolts so that there is an equal gap between the front and rear of the handlebar block. Incorrect spacing will prevent the upper pod from fitting properly.



The following parts should be checked periodically for tightness; or if they have been loosened for maintenance, they should be retightened.

Wheel Nut Torque Values

Bolt Size	Specification	
Front – M10X1.25	33-37 ft.lbs (45-50 N·m)	
Rear – M10X1.25	33-37 ft.lbs (45-50 N·m)	

NOTE:

All nuts using cotter pins must be inspected and serviced only by an authorized service center.

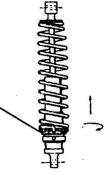
Front Wheel Hub Clamp

Front wheel bearing tightness and axle nut tightness are critical component procedures.

These service procedures should only be performed by an authorized service center.

Rear Spring Adjustment

The rear shock absorber spring is adjusted by turning the adjustment ring. This rotation must be performed in the necessary direction to increase or decrease the spring tension.



Air Filter Service

Open the three cover latches.

Remove the cover from the latch and carefully separate it from the air box.

Remove the filter.

Check the air box for oil or water deposits.

Clean any deposits by wiping them with a clean cloth.

Note: If the filter is soaked with fuel or oil, it must be replaced.

Check the air filter and replace it if necessary.

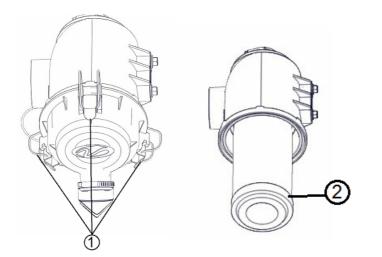
Note: Do not attempt to clean the air filter with compressed air.

Replace the air filter in the air box and reassemble the cover.

Note: Ensure the tabs are properly seated in the hinge.

Ensure the O-ring is correctly installed inside the cover.

Close the cover latches again.



Steering Control

The steering system of the machine should be periodically checked for loose nuts and bolts.

If loose nuts or bolts are found, have them tightened by your dealer before operating the machine.

Camber and Caster

The camber and caster angles are not adjustable.

⚠ WARNING

Do not attempt to adjust the toe (front-to-back parallelism) by adjusting the rotor arm.

Incorrect adjustment can cause serious injury or death.

Contact your dealer to have these adjustments made. Your dealer has the training and equipment to make this adjustment.

Maintenance

Toe (Front–Rear Parallelism) Adjustment Check

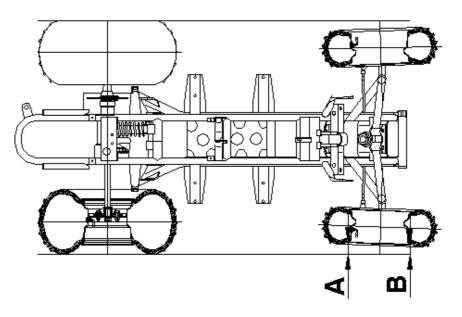
The recommended toe setting is 1/8" – 1/4" (3–6 mm) toe-out.

Bring the handlebar to a straight forward position and hold it steady in this position.

Take measurements A and B.

The value of A minus B should be 1/16" – 1/8" (1.5 – 3 mm).

If this measurement requires adjustment, contact your dealer for service.



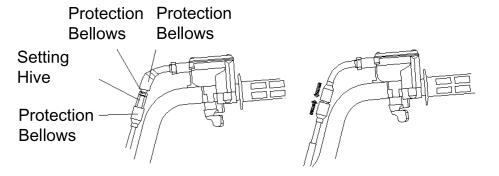
Front / Rear Brake

After opening a brake fluid bottle, use only the required amount and discard the rest.

Do not store or reuse brake fluid from an opened bottle.

Brake fluid is hygroscopic, meaning it quickly absorbs moisture from the air.

This causes the boiling point of the brake fluid to drop, which can lead to premature loss of braking performance (brake fade) and a risk of serious injury.



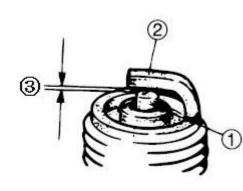
Spark Plug Inspection and Maintenance

- Insulator ①
 Abnormal color: Replace.
 Normal color is medium-light brown.
- Electrode ②
 Wear/damage: Replace.
 Cleaning:
- Spark plug (can be cleaned with spark plug cleaner or wire brush)

Measurement:

Spark plug electrode gap③

If measurement is out of range: Adjust.



Spark Plug Gap: 0.6 – 0.8 mm

Standard spark plug: CR7HSA (NGK) Spark Plug Removal and Installation

⚠ WARNING

Never attempt to remove the spark plug while the engine is hot.

The exhaust system or engine could cause serious burns.

Removal Procedure:
The spark plug is removed by turning it counterclockwise.

Installation Procedure:
Reinstall the spark plug by turning it in the opposite direction.

Tightening torque: 17 ft-lbs (23 N·m) Spark Plug Gap:

Oil and Filter Change

The recommended engine oil change interval is every 30 hours or 3 months, whichever comes first.

The first oil change during the break-in period should be performed after 20 hours or 1 month, whichever comes first.

More frequent maintenance is required under heavy use conditions.

Heavy use includes continuous operation in dusty or wet conditions and driving in cold weather.

NOTE:

Heavy use – Cold weather driving, all driving below -12°C (10°F),

and driving between -12°C and 0°C (10°F–30°F) where speeds are typically low, (below 5 mph / 8 km/h) is considered heavy use.

When changing the oil, the oil filter must also be replaced.

ATTENTION

The oil may be hot. Do not allow hot oil to come into contact with your skin; it can cause serious burns.

Oil Change Steps

Place the vehicle on level ground and engage the parking brake.

Run the engine for 2–3 minutes to warm it up, then turn it off.

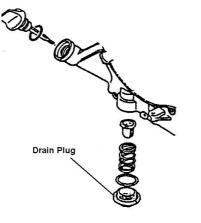
Clean around the drain plug.

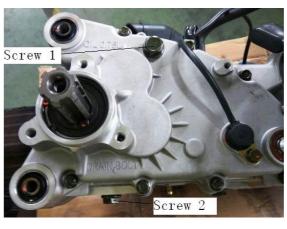
Place an oil collection container under the engine crankcase and remove the drain plug.

Wait for the oil to drain completely.

Replace the drain plug's O-ring seal/gasket with a new one.

Reinstall the drain plug and tighten it to 14 ft-lbs (19 N·m) torque.





Transmission Lubrication

The transmission oil filler cap is located on the right side of the machine.

The transmission oil level should be checked once a month or every 20 hours, whichever comes first.

The transmission oil should be changed once a year.

The correct transmission oil to use: SAE 80W/90 GL5 lubricant.

Transmission Oil Change Procedure

Remove screw (1).

Remove screw (2) and drain the oil. Collect and dispose of used oil properly.

Clean screw (2) and reinstall it. Tighten to 12–16 ft.lbs (17–23 Nm) torque.

Add the correct amount of SAE 80W/90 GL5 oil (300 ml).

Clean screw (1) and reinstall it. Tighten to 12–16 ft.lbs (17–23 Nm) torque.

Check for leaks.



Using an ATV with worn tires, tires with incorrect air pressure, non-standard tires, or improperly mounted tires negatively affects the vehicle's road holding and can cause accidents resulting in serious injury or death.

To prevent such situations, follow the safety precautions listed below.

Important Safeguards

Maintain the correct tire pressure according to the values specified in the table below.

Incorrect tire pressure can affect the ATV's maneuverability.

Do not use inappropriate tires.

Using non-standard size or type tires can affect the ATV's road holding.

Ensure that the wheels are properly mounted.

Improperly mounted wheels negatively affect vehicle control and tire wear.

Wheel Removal Procedure

Stop the engine and engage the parking brake.

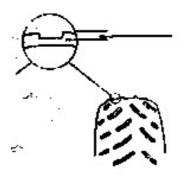
Loosen the wheel nuts slightly.

Place a suitable jack stand under the footrest frame and lift the corresponding side of the vehicle.

Remove the wheel nuts completely and remove the wheel.

Tire Pressure

Front Back
Pressure 48 kPa / 7 PSI 48 kPa / 7 PSI



Wheel Installation

With the parking brake engaged, position the wheel toward the hub. Ensure that the valve stem is facing outward and that the rotation arrows on the tire are pointing in the correct direction.

Install the wheel nuts and tighten them lightly by hand.

Lower the vehicle to the ground.

Fully tighten the wheel nuts to the specified torque values.

Tire Tread Depth

Tires must be replaced when the tread depth is 3 mm (1/8") or less.

Maintenance

Chain

Use appropriate lubricants

Apply the appropriate type of spray chain oil to the inner and outer plates and rollers of the chain. If necessary, move the ATV to access the entire chain.

Check

Push the chain back and forth from the midpoint between two sprockets and measure the total slack. If the slack is over 1/2" (12 mm), adjust the chain. See the adjustment section.

Check the chain sprocket for wear.

If the sprockets are worn, replace the sprockets and chain as a set.

Replace damaged protective covers.

Setting

Loosen the four mounting bolts (1) but do not remove them completely.

Turn the chain adjuster (2) to set the chain slack to 1/4 (6 mm) -3/8" (10 mm).

Turn the adjuster (2) clockwise to tighten the chain.

To loosen the chain, turn the adjuster (2) counterclockwise and push the rear axle forward.

Fully tighten the mounting bolts (1).

Torque Value: 63–66 ft-lbs (85–90 N·m)

Recheck the chain tension. See the inspection section.

Removal

Turn the rear wheel to position the main sprocket (3) between the two sprockets where it is accessible.

Slide the safety clip (1) off the main sprocket (3) and remove the clip and side plate (2).

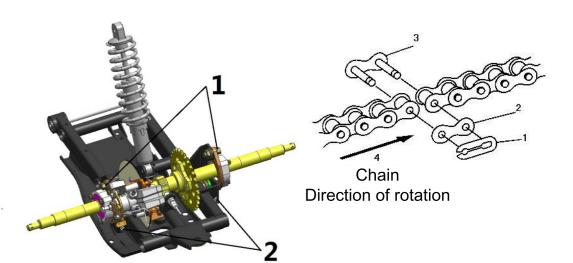
Slide the main sprocket out and remove the chain.

Installing the Chain

Slide the pin section of the main sprocket (3) onto both ends of the chain to be joined.

Attach the side plate (2) section onto the pins.

Slide the safety clip (1) onto the pins and press it into place until it is fully seated.



Headlight Replacement

Remove the headlight connector.

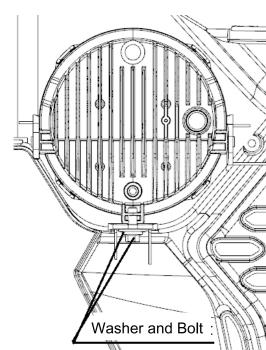
Remove the screw and washer.

Remove the headlight from the housing.

Place the new headlight into the housing.

Install the washer and screw.

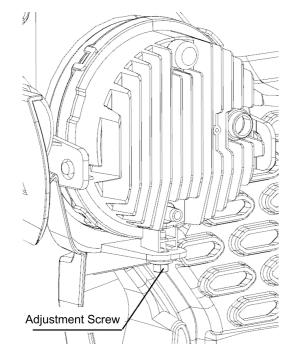
Connect the connector to the wiring harness.



Headlight Alignment

To lower the brightness cutoff line, turn the adjustment screw backward.

To raise the brightness cutoff line, turn the screw forward.



Rear Parking Light / Brake Light and Rear Turn Signal Light Replacement

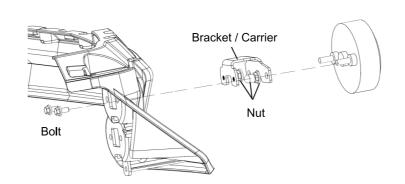
If the rear parking/brake light or rear signal light is not working, you may need to replace the bulb.

Remove the connector and unscrew the two bolts from the cover.

Unscrew the two nuts and the blind nut on the bulb bracket, then remove the bulb.

Install the new bulb into the bracket.

Attach the bracket to the cover and connect the connector to the wiring harness.



Maintenance

Low Beam Replacement

Remove the headlight connector and unscrew the nuts and washers on cover ①.

Remove cover ② from the low beam bracket.

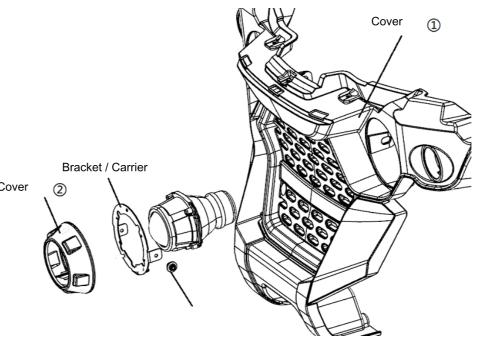
Remove the low beam from the bracket.

Place the new low beam into the bracket.

Attach cover ② to the bracket.

Attach the bracket to cover ①.

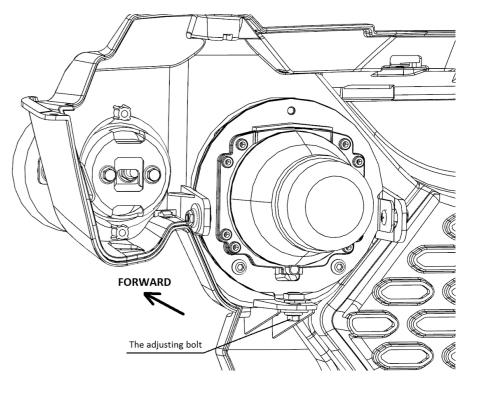
Connect the connector to the wiring harness.



Low Beam Adjustment

To lower the brightness cut-off line, turn the adjustment screw backward.

To raise the brightness cut-off line, turn the screw forward.



Nut and Washer



This section covers the possible causes and solutions for common problems. If you experience a malfunction not listed here, contact an authorized service center.

1 Note: If your ATV has problems not listed in this table, do not continue to use it. Contact an authorized service center.

Common Problems and Solutions

Troubleshooting Table

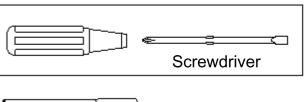
No	Problem	Possible Cause	Solution
1	Engine does not start	Fuel tank emptyFaulty spark plugWeak battery	Fill the fuel tankCheck or replace spark plugCharge the battery
2	Engine hard to start	Dirty air filterClogged fuel filter	Clean or replace the air filterReplace the fuel filter
3	Unstable idling	Incorrect idle adjustmentProblem with spark plug	Check idle adjustmentCheck spark plug gap
4	Engine overheating	Insufficient oil levelBrakes dragging	Check oil level and add if necessaryHave the brakes checked
5	Poor acceleration	Dirty air filterWorn CVT belt	Replace air filterCheck CVT belt
6	Battery discharging	Engine left idling for long periodsElectrical issues	Run engine at normal RPMHave electrical system checked at service



Your ATV comes with a set of hand tools for basic maintenance and emergencies. These tools help you make simple adjustments and perform minor maintenance tasks while riding.

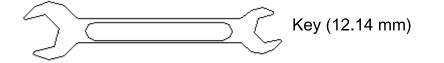
Standard Tool Set

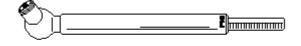
- Spark plug wrench
- Screwdriver (flat and Phillips head)
- Allen wrench set
- Socket wrench
- Pliers
- Wrench suitable for jack points
- Simple lubrication device for greasing
- Wrench set (various sizes)
- 1 Note: The tool kit is designed only for basic maintenance and emergency repairs. For more extensive maintenance and repairs, contact an authorized service center.











Tire Pressure Gauge (Provided by the Dealer)

M210 Technical Specifications

Dimensions and Capacities

Feature	Unit + Value
Fuel capacity	8.35 L
Engine oil capacity	1050 ml
Turning radius	3600 mm
Height	1325 mm
Length	2058 mm
Width	1048 mm
Seat height	800 mm
Wheelbase	1180 mm
Dry weight	208 kg
Carrying capacity	180 kg

Transmission and Tires

	Feature	Unit + Value
1	Transmission system	CVT
2	Front tire	21×7-10
3	Rear tire	22×10-10
4	Front tire pressure	48 kPa (7 PSI)
5	Rear tire pressure	48 kPa (7 PSI)

Electrical System

	Feature	Unit + Value
1	Battery	12V 9Ah
2	Headlight	12V LED
3	Tail/brake light	12V LED

Engine

	Feature	Unit + Value
1	Туре	4-stroke, single cylinder, OHC
2	Model	LH1P63FMK-2
3	Displacement	177.3 cc
4	Cylinder bore × stroke	62.5 mm × 57.8 mm
5	Starting system	Electric start
6	Cooling	Air-cooled
7	Lubrication system	Wet sump
8	Ignition system	EFI (Electronic Fuel Injection)
9	Ignition control	ECU
10	Spark plug type	CR7HSA (NGK)

Brake System

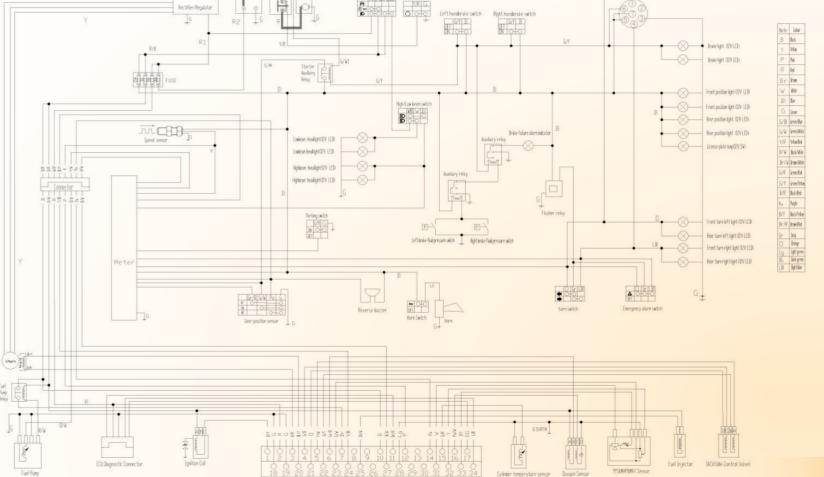
	Feature	Unit + Value
1	Front brake	Hydraulic disc
2	Rear brake	Hydraulic disc
3	Parking brake	Mechanical lock

Electrical Diagram

This section contains a schematic representation of your ATV's electrical system. The electrical diagram serves as a reference for making the correct connections during maintenance and repairs.

⚠ Warning: Incorrect connections in the electrical system may cause fire, battery damage, or failure of the electronic control unit. If there is a problem with the electrical system, contact an authorized service center immediately.

Note: The connections shown in the electrical diagram may vary depending on the model year and trim level. Always use parts and cables that are compatible with your vehicle's specific wiring.



Told Purps

Fiel Purp



Chassis No	

500 KM.	2.000 KM.	4.000 KM.	
км:	км:	км:	
DATE/20	DATE/20	DATE/20	
STAMP	STAMP	STAMP	
6.000 KM.	8.000 KM.	10.000 KM.	
км:	км:	км:	
DATE/20	DATE/20	DATE/20	
STAMP	STAMP	STAMP	
12.000 KM.	14.000 KM.	16.000 KM.	
KM:	KM:	км:	
DATE/20	DATE/20	DATE/20	
STAMP	STAMP	STAMP	

18.000 KM.	20.000 KM.	22.000 KM.
(M:	KM:	KM:
DATE/20	DATE/20	DATE/20
STAMP	STAMP	STAMP
24.000 KM.	26.000 KM.	28.000 KM.
(M:	KM:	KM:
DATE/20	DATE/20	DATE/20
STAMP	STAMP	STAMP
30.000 KM.	ODOMETER	REPLACEMENT
(M:	км:	DATE/20
DATE/20	KM:	DATE/20
STAMP	Note: The details of the perfo completed and stamped by o Warranty cards with missing will be considered invalid.	ur authorized service center.

Checks to Be Completed Before Delivery

Checklist - Part 1	✓	Checklist - Part 2
No scratches, dents or damage on the outer surface		Checks in the service booklet were completed
Turn signals are working properly		Spare key delivered
Tires have been inspected		Brake, clutch, throttle, and overall ride performance are appropriate
All lights checked for proper operation		Road test completed
Engine oil level is appropriate		Type of fuel to be used was explained
Brake fluid level is sufficient and brakes are effective		All warranty conditions and service intervals were explained
Chain/belt tension and lubrication have been checked		How to check the engine oil was explained
Clutch and throttle operate properly		Information about the break-in period was provided
Coolant level is sufficient		Information about correct motorcycle usage was given
Battery is charged and operational		Reminder to turn off the ignition during refueling was given
Speed, RPM and fuel gauges function correctly		Warranty coverage information was provided
Key works properly		Confirmation that the motorcycle was delivered complete

VEHICLE OWNER

Full Name

Phone:

Signature: