



OWNER'S MANUAL

★ This manual for the English version



Access Motor Co., Ltd.



P/N **72117-A47-000**

Data: JUNE / 2024 Edition No.1

Dear Customers,

Thank you for purchasing SP450_EFI

You will find it easier to start your engine with actuation of the manual choke for 20-30 seconds after you receive your new **ATV**. That is because we have drained out the fuel in the carburetor when we finished assembling the **ATV**. This will ensure **ATV** performance and safety.

This manual describes detailed instructions of correct operation, maintenance and adjustment of SP450_EFI to ensure durable, safe and comfortable riding.

In order for you to ride more safely and more comfortably, please read this manual thoroughly before riding it. Have a nice time riding!

If data and relevant pictures contained in this manual differ from the real ATV, the data of the real ATV shall supersede data contained herein.



This manual should be considered a permanent part of the vehicle and should remain with the vehicle when resold or otherwise transferred to a new owner or operator. The manual contains important safety information and instructions which should be read carefully before operating the vehicle.

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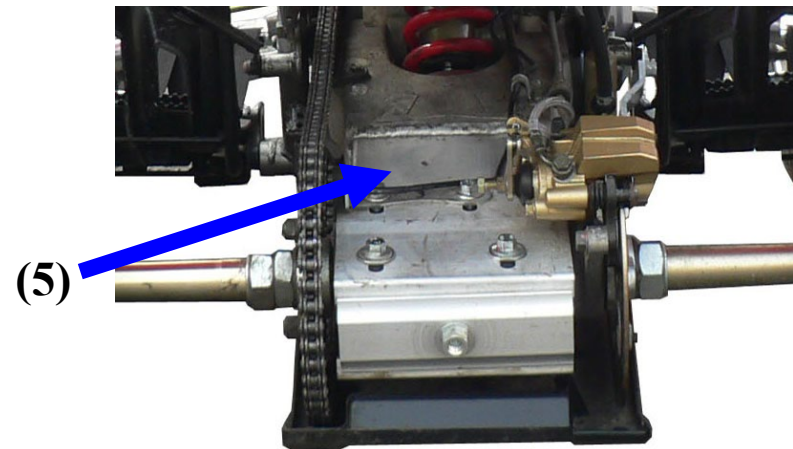
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© Important Message

Negligence of the following signs and warnings may cause serious damage and even death.

Sign location

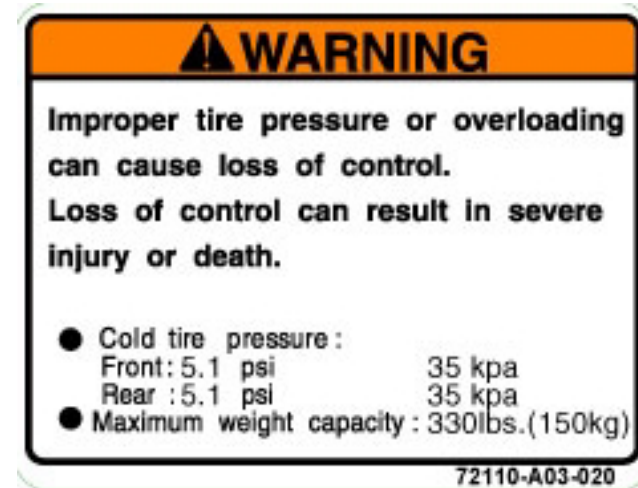




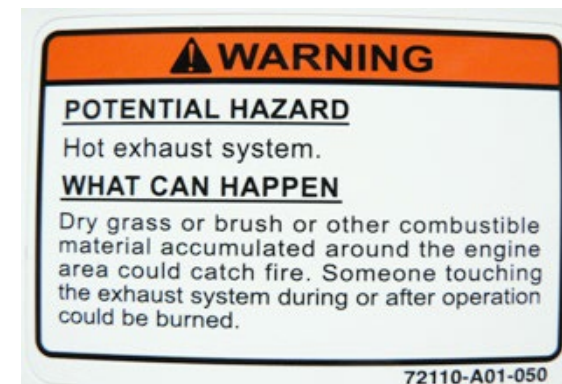
(1)



(2)



(3)



(4)



(5)

1. Riding Precautions

SP450_EFI ATV is a special multipurpose four-wheel motorbike with entertainment features. In this section, we will describe important notes and techniques in order for you to safely ride this **ATV**. Please read this manual thoroughly and spend some time practicing on your new **ATV**. Pay attention on your safety and that of others.

- If you do not have any experience riding an **ATV**, you can only ride it with instruction by a licensed or qualified instructor. First of all, you have to ride it slowly to feel and adjust yourself to the **ATV**, even if you are an experienced rider.
- Do not attempt to utilize the maximum limits of this **ATV**.

Notes: 1. You should familiarize yourself with basic operations of this **ATV** before you try more difficult operational techniques.

2. To ensure the rider's and others' safety, anyone who drinks, takes drugs or medicine is not permitted to ride this **ATV**.

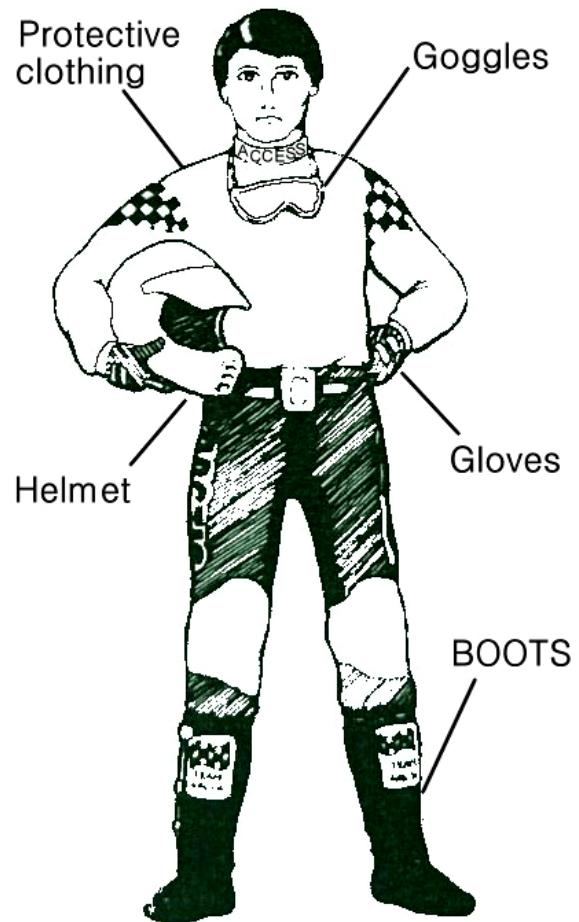
The rider's ability to control this **ATV** will be reduced by the effects of medicine or alcohol.

NOTE :

- Functionality of the **ATV** is dependant upon its structure. Any modification without our permission may cause performance degradation and in turn affect the service life of the **ATV** and riding safety.
- It is illegal to modify this **ATV** without our permission. Do not attempt to make any modification.

■ Attire

- To ensure safety, the rider shall wear a safety helmet, goggles, gloves, boots and protective clothing when riding this **ATV**.



■ Check Before Riding

- Conduct a pre-riding check in accordance with “Check before riding” in user’s manual on Page **43** before riding to ensure safety and the service life of this **ATV**.
- Your ability of controlling this **ATV** will be affected by insufficient tire pressure or a tire that is out of specification. Contact your service center for inspection to reduce the risk of an accident.



■ Particular Attention on Parts That May Cause Burn

- The exhaust pipe and the engine become very hot when or after the **ATV** runs for a period of time. To avoid personal injury (including human and objects, etc), do not touch these parts. When the **ATV** is parked, also note that children or passers-by should not touch these parts to avoid injury.
- To reduce the risk of fire, do not park this **ATV** near a dry lawn or flammable substances.



■ Load Weight Limit

- Maximum allowable weight for this **ATV** is 150 kg (two riders)
- When you carry loads on the **ATV**, slow down your speed to increase effective braking distance.
- When you carry loads on the **ATV**, you should keep loads in balance to avoid loss of control of the **ATV** due to imbalance.



- Notes:
1. Load weight limit: 150 kg
 2. Exceeding the maximum load weight for this **ATV** may cause an accident.
 3. When using this **ATV** as a trailer, slow down your riding speed.

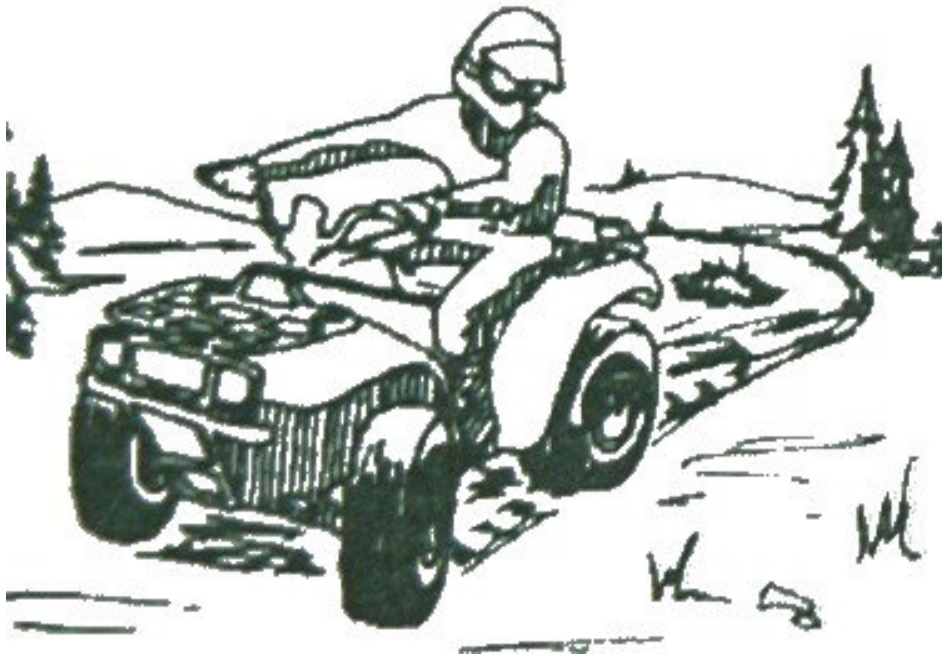
■ Looking At The Terrain

- Watch your speed and control technique when you ride on excessively flat, loose and rough surface, and keep an eye on any potential hazards such as pits, water puddles, rocks, root blocks, etc to avoid the risk of an accident.
- When riding with poor visibility, e.g. riding at night, turn on the headlight and slow down your speed to ensure safety.
- When riding in the area where your viewing angle is limited, e.g. riding on a rough road in hills, it is advisable to attach a flag of some height in the rear of the **ATV** for warning purposes. This can assure safety for the rider, other riders and onlookers.



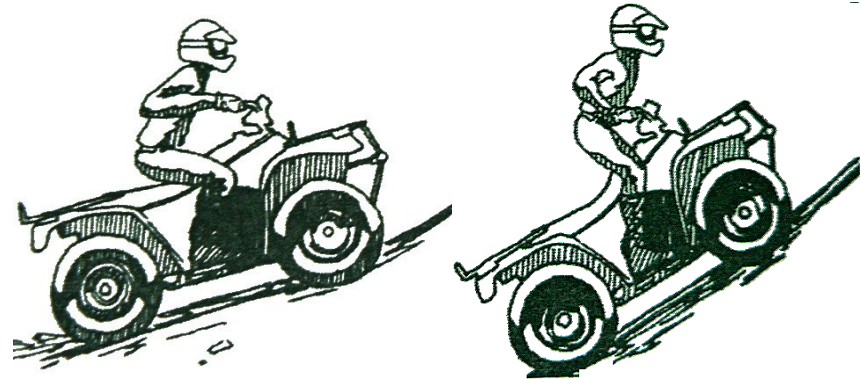
■ Making Turns

- When you approach a turn, first slow down and smoothly turn the handlebars to the direction you are going. Also, move your gravity to the outer floor panel and tilt your upper body to the inner side of the turn, which enables your control at the turn to be smoother and safer.



■ Going Uphill

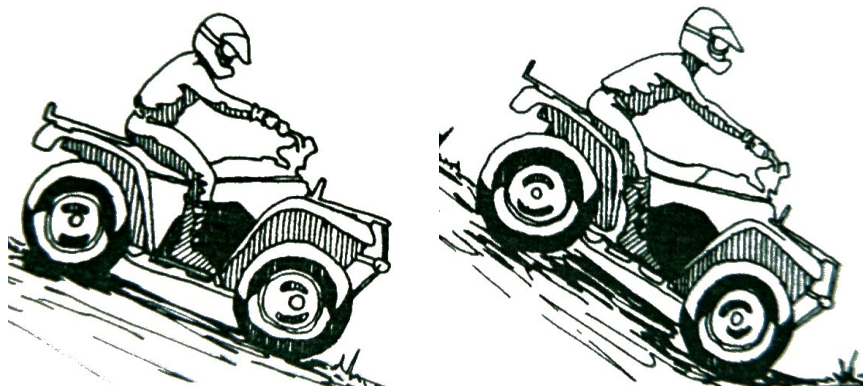
- When going uphill, move your gravity as forward as possible. Also, sit in the front part of the seat and bend your upper body forward. Keep a steady speed in the uphill process and keep the **ATV** balanced.



- Notes:**
1. If the slope is too high to proceed and the **ATV** is moving backward, apply the front brake to slow down and carefully control the **ATV** to slip down. If it is beyond control, the rider should immediately get off from the left side to avoid the risk of being crushed by the **ATV** once it turns over.
 2. Do not apply only the rear brake to avoid the **ATV** flipping over.
 3. Do not abruptly apply the accelerator.

■ Going Downhill

- Place your gravity as backward as possible and straighten both of your arms. Keep the **ATV** in balance and apply the rear brake to slow down your speed.
- Unless otherwise necessary, do not press the accelerator lever.
- Do not apply only the front brake to avoid the **ATV** flipping over.



■ Riding Through Water

- Watch the speed of water current and its depth if riding through water is necessary. If water flows very fast or is deep, the performance of the **ATV** will be affected, which may cause unsafety to the rider.

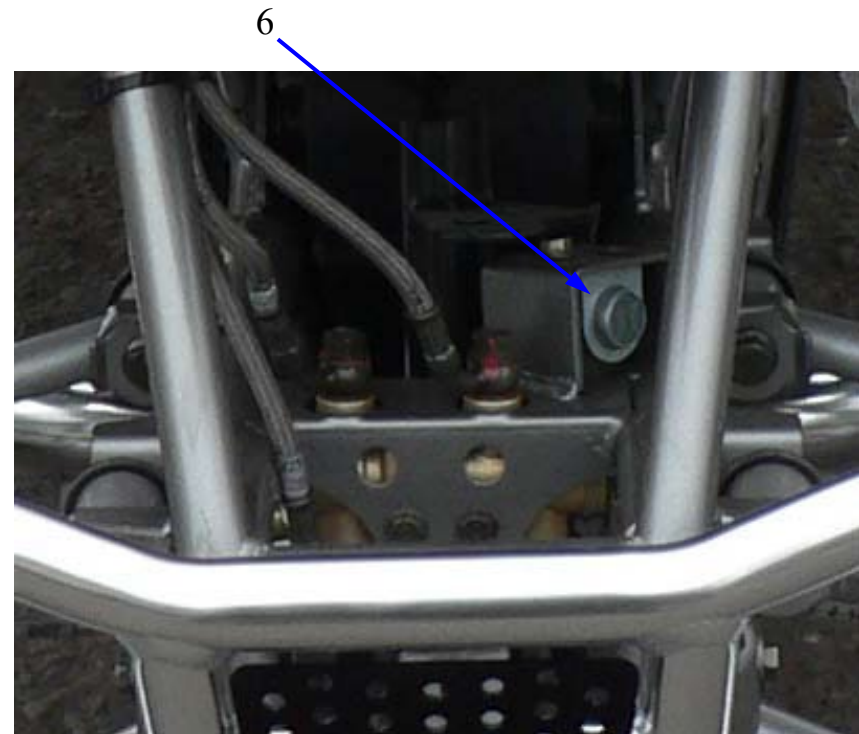
Notes:

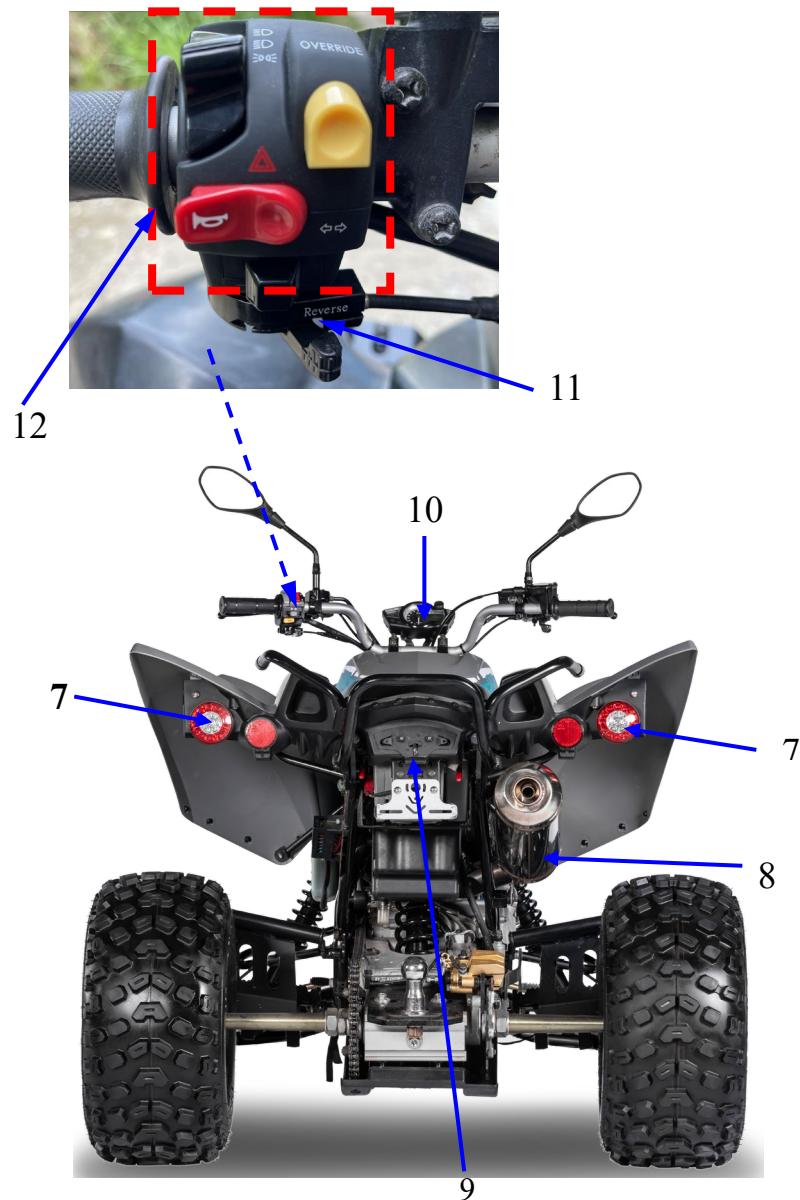
- Do not ride across a river with fast current or great depth to avoid loss of control of the **ATV** and cause risk of hazard to the rider.
- After crossing the water area, you should check that the brake function is normal. If it is not, slow down your speed and also intermittently apply both front and rear brakes to restore the brake function.
- If it takes a long period of time to ride through the water area and the brake system submerges in water too long, it will lead to loss of brake function. Do not ride this **ATV** any longer and take it to the nearest service center for inspection and servicing.

2. Naming of Each Component



- (01) Clutch lever Ass'y (include **Parking lever**)
- (02) Front brake handle lever
- (03) Headlight / position light
- (04) Right front turn signal light
- (05) Left front turn signal light
- (06) Handlebar to lock





(07) Rear light / brake light /rear turn signal light

(08) Exhaust pipe

(09) License plate light

(10) Speed instrument panel

(11) Reverse lever

(12) Left handle switches

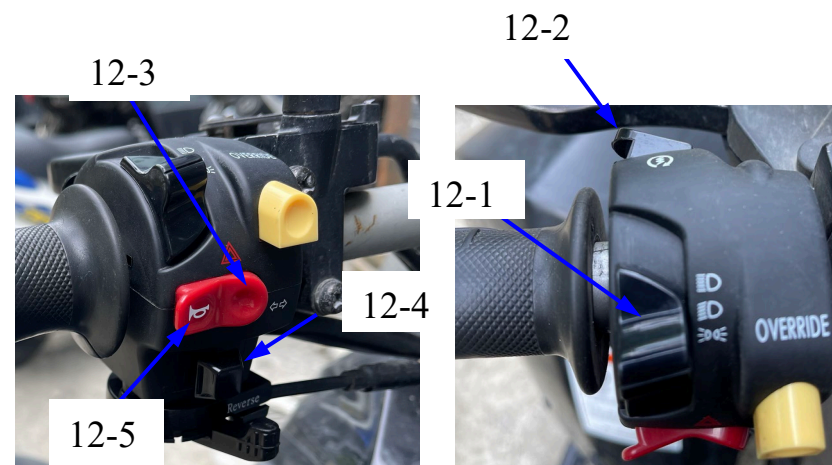
12-1 High/low beam switch

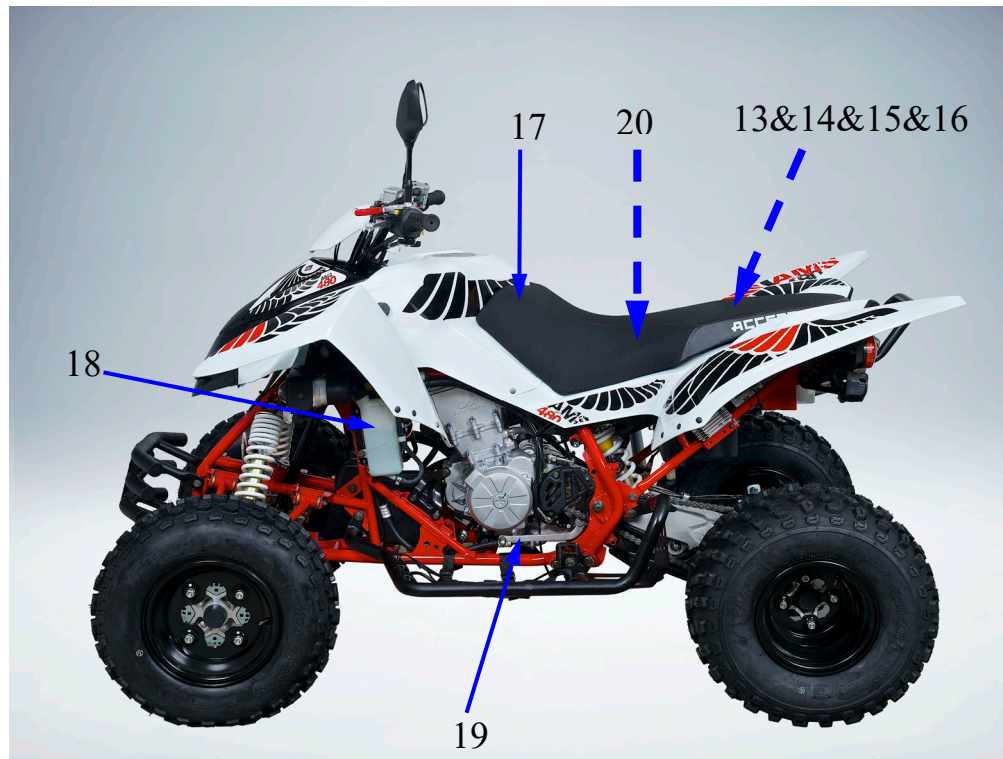
12-2 Startup rocker switch

12-3 Warning light switch

12-4 Turn signal light switch

12-5 Horn switch

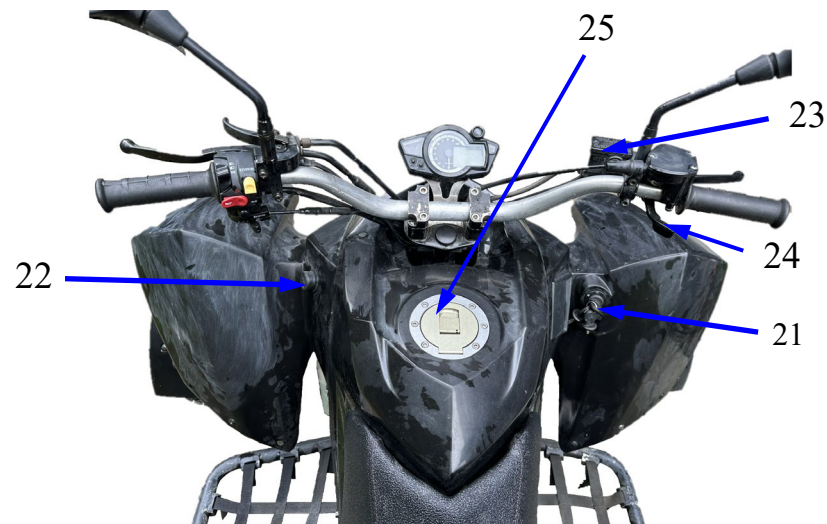




- (13) Battery
- (14) Accompanying tools
- (15) Fuse
- (16) Tools
- (17) Seat
- (18) Coolant reservoir tank
- (19) Gearshift lever
- (20) Air cleaner

NOTE :

— — — — — ➔ Means the invisible parts



- (21) Ignition switch
- (22) Power Supplier-**12V**
- (23) Front brake fluid reservoir
- (24) Accelerator lever
- (25) Fuel tank cap
- (26) Engine oil filter
- (27) Engine oil tank
- (28) Right footrest
- (29) Radiator
- (30) Spark plug
- (31) Rear brake pedal
- (32) Water pump
- (33) Rear brake fluid reservoir

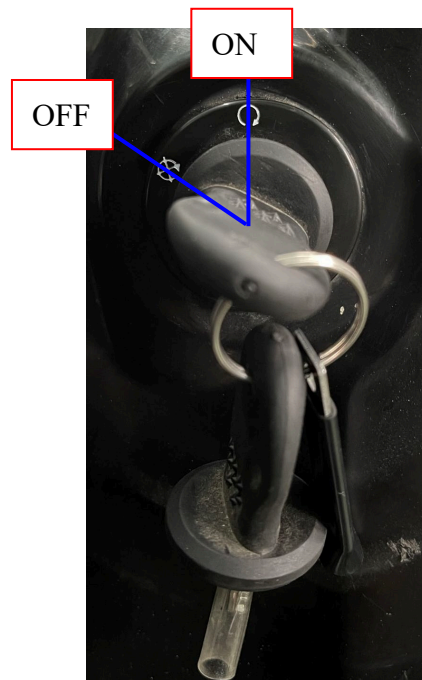


3. Operation of Each Component

■ Ignition switch

OFF : At this position, power supply to the **ATV** is completely cut off. The key can be removed. (The engine stops)

ON : At this position, power supply to the **ATV** is connected. The key cannot be removed at this position. (The engine can be started up.)



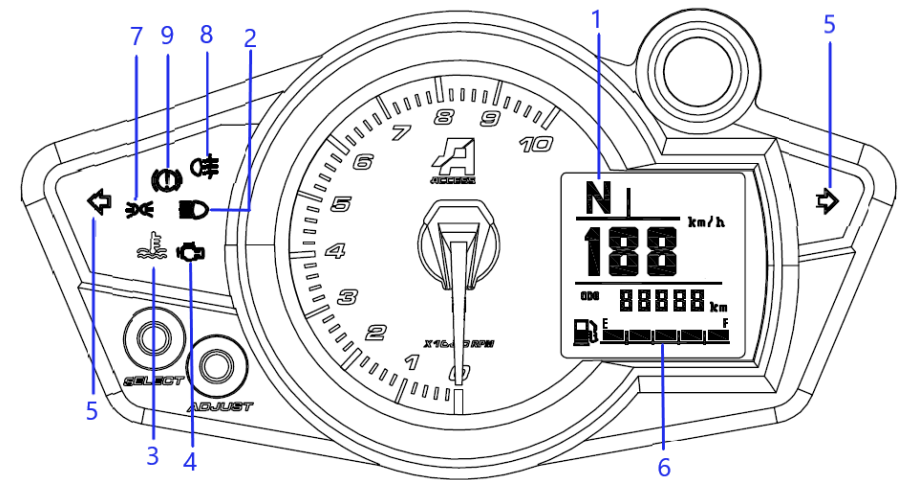
Note:

- Do not turn the key to the OFF position while riding. This is the major cause of an accident.

1. Gear display:

The neutral indicator light(green light) will show on when you turn on the ignition switch, when the transmission is at the neutral gear.

The reverse indicator light comes on (yellow light) when the transmission is at the reverse position.



Note:

- When starting the engine, the transmission should be at the neutral position to avoid any risk of hazard.

2. High Beam Indicator Light:

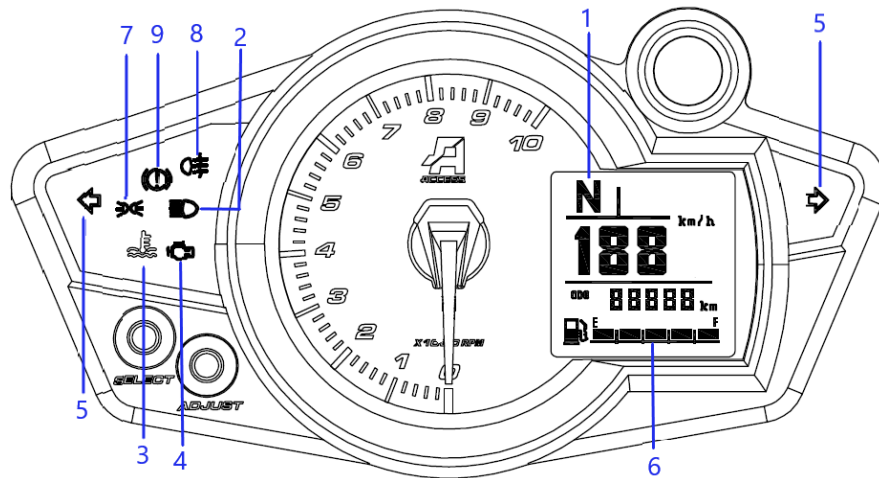
When this light comes on, the headlight is using high beam light.

3. Temperature Indicator Light:

When this light comes on, it means the engine temperature is too high. Check the coolant level in the Aux Liquid Bottle.

4. Engine Indicator Light:

When this light comes on, it means the engine have some problem. Please check the DTC to found the problem and repair it.



Note:

- When the engine over-temperature indicator light comes on, you must stop the engine and let it cool down.

5. Left/Right signal indicator:

When operating the Left/right turn signal light switch, this indicator will come on.

6. Fuel level indicator:

When the pointer of the fuel level indicator rests near the last scale, the fuel remaining in the tank is about 1.8 liters. Refuel with 95 unleaded gasoline as early as possible.

Note:

- There is no need to add any additive to the fuel when refueling.
Addition of any additive in fuel may cause engine failure.

7. Position indicator light:

When the ignition switch turn on, the position indicator light come on.

8. Fog indicator light(Option the fog light)

When use the fog light function, the fog indicator light come on.

9. Brake failure indicator light:

It will come on for 3 seconds when the ignition switch turn on.
If the brake failure indicator light come on when using the vehicle, that mean the brake system have problem.

■ Headlight Switch



: At this position, when key on, the position light will come on.



: At this position, the headlight comes on and the light is beaming at a short distance. (The headlight will not come on if the ignition switch is not turned on.)



: At this position, the headlight comes on and the light is beaming at a far distance. (The headlight will not come on if the ignition switch is not turned on.)



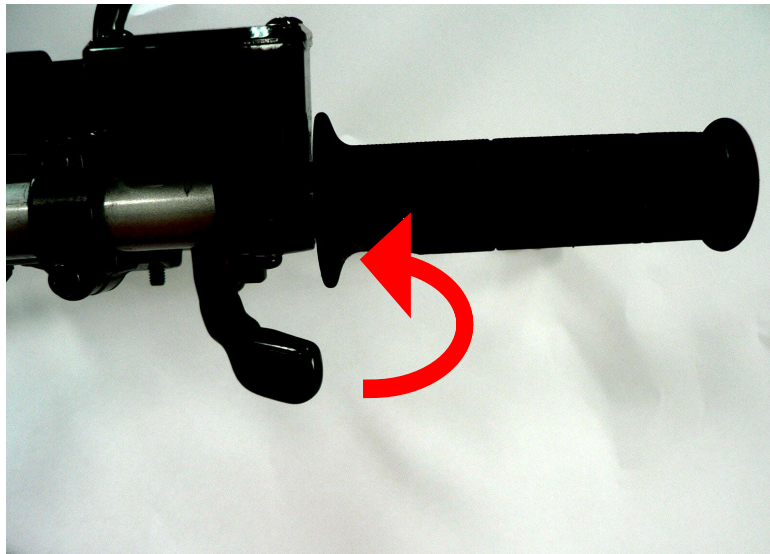
■ Startup Rocker Switch

- When the engine is started electrically, be sure to pull tight the front or rear brake handle lever to energize the system. Then the engine can be started while pressing the startup rocker switch.



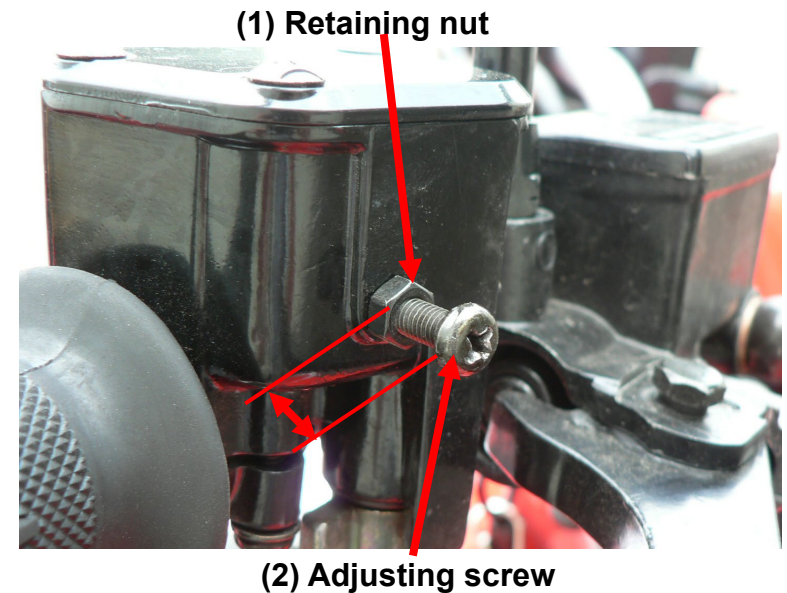
■ Accelerator Lever

- The speed of the **ATV** is controlled via the accelerator lever. The **ATV** speed increases when pressing the accelerator lever using your thumb. Press the accelerator lever slowly. When starting the engine or riding uphill, press the accelerator lever slowly, the engine revs up and produces more power.
- To reduce the speed, release the accelerator lever.



■ Accelerator Limiting Device

- To protect a new rider who is not familiar with this **ATV** from an accident, this **ATV** is fitted with an accelerator limiting device that can adjust the travel of the throttle valve, which in turn limits engine power.
- **Adjustment:**
Loosen the retaining nut, and then turn the adjusting screw with a screwdriver rider. Turning clockwise will reduce the travel of the throttle valve, while turning counterclockwise will increase the travel and increase the engine power up to its maximum. When the appropriate engine power is reached, tighten the retaining nut again.



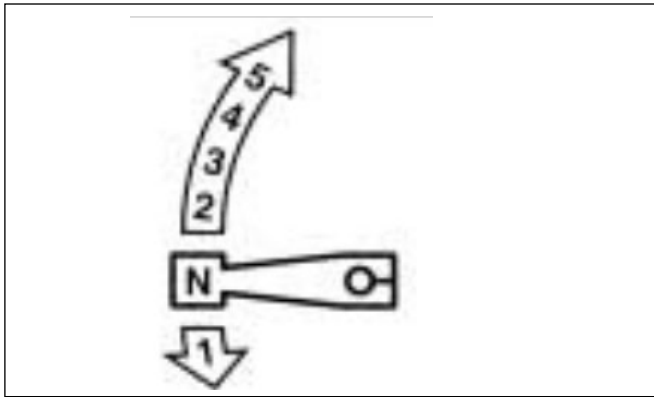
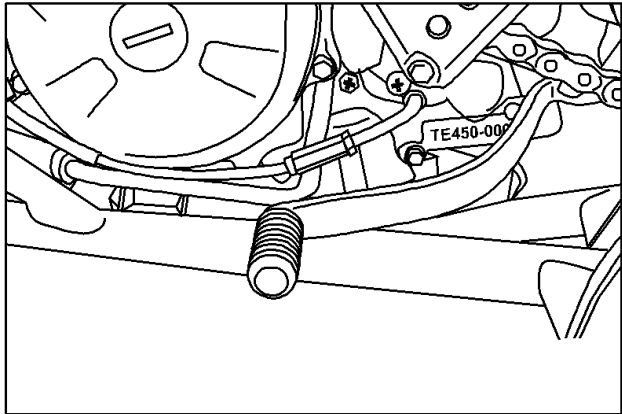
■ Flagpole Holder

- This allows you to position the desired flags in the holder.



■ Gearshift Lever

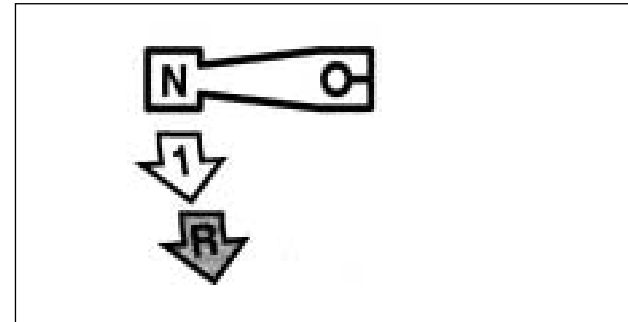
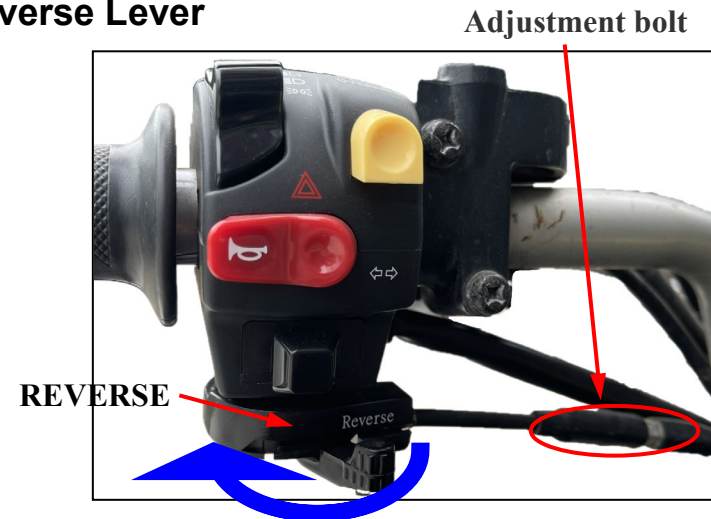
- This **ATV** has a 5-speed transmission which operates as shown in the illustration.
- This shift lever is attached to a ratchet type mechanism in transmission.
- To shift properly, pull the clutch lever and close the throttle at the same time you operate the gearshift lever.
- Whenever a gear is selected, the gearshift lever will return to its normal position ready to select the next gear.
- Lift the gearshift lever to up shift and depress the lever to downshift.
- Neutral is located between first and 2nd gear.
- When neutral is desired, depress or lift the lever halfway between first and 2nd gear.
- It is not possible to up shift or downshift more than one gear at a time.
- When shifting from first to 2nd gear or 2nd gear to low, neutral will be automatically skipped.
- Reduce the **ATV** speed before downshifting.
- When downshifting, the engine speed should be increased before the clutch is engaged.
- This will prevent unnecessary wear on the drive train components and the rear tire.



CAUTION :

- ! When the transmission is in neutral, the green indicator lamp on the instrument panel will be lit.
- ! However, even though the light is illuminated, cautiously release the clutch lever slowly to determine whether the transmission is positively in neutral.

■ **Reverse Lever**



- This **ATV** has a reverse gear.
- To shift into reverse gear, completely stop the **ATV** and
- shift the transmission into 1 st gear while holding the clutch lever in.
- Turn the reverse lever clockwise and push down the gearshift lever.
- To shift into 1st gear, lift up the gearshift lever.

WARNING :

- ◆ Shifting into reverse gear when the **ATV** is moving can be hazardous.
- ◆ If you shift the **ATV** into reverse gear when the **ATV** is moving, it could stop suddenly, throwing you from the **ATV**.
- ◆ Always come to a complete stop and shift into neutral before shifting into reverse gear.

WARNING :

- ◆ Always be sure there are no obstacles or people behind you when you operate in reverse.
- ◆ When it is safe to proceed in reverse, go slowly.

Note :

- ◆ After driving the **ATV** for a period, the wiring could be extended, so reverse difficulty could be happened. Please adjust the bolt of reverse wiring and put the wiring in the suitable position to solve the issue.

Note:

- Depress the rear brake pedal and engage clutch partially if it is hard to shift into reverse or return to 1st gear.
- Check that the reverse indicator lamp is lit after shifting into reverse.

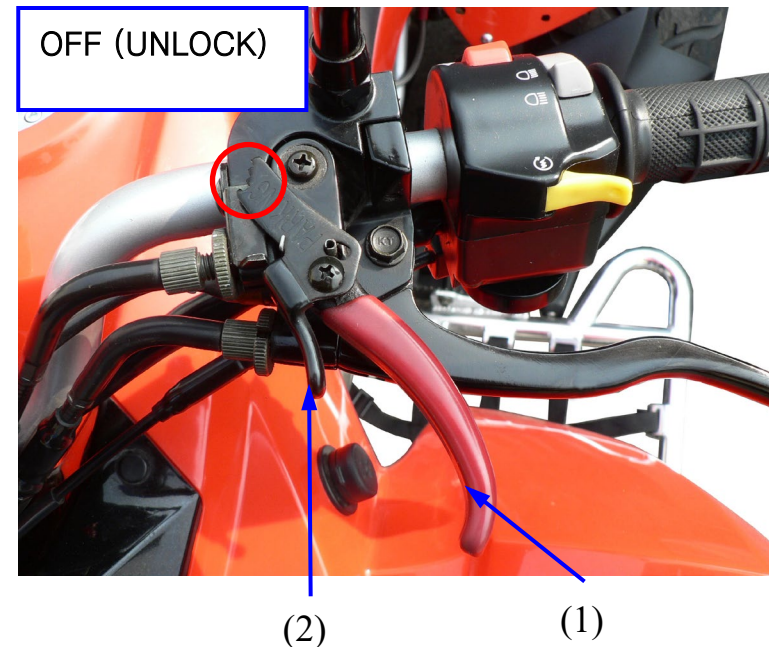
■ **Parking Lever (Rear Brake)**

How to use it:

- ⊙ First, Pull parking lever (1) to left and pull lever (2) to fix it.

How to release it:

- ⊙ Pull parking lever (1) to left and release the parking.



Note:

- When starting the engine or parking the ATV, apply the parking lever to lock the rear wheels to prevent the ATV from moving and causing the risk of hazard.
- If the play of the brake handle level is incorrect, the rear wheels may not be locked, which may cause the risk of a hazard.



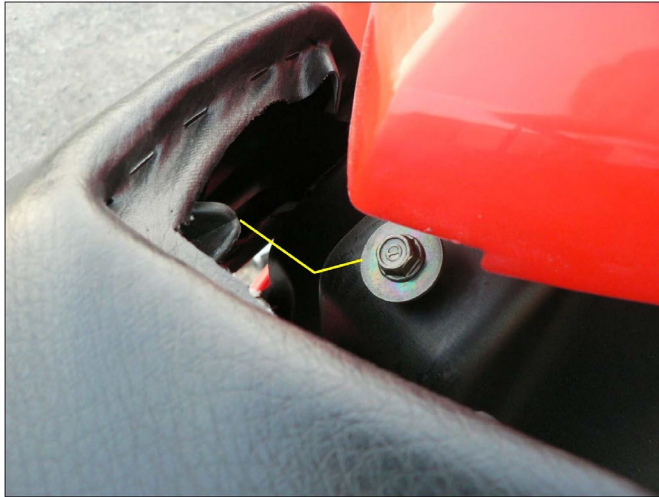
■ Seat Lock

- The seat can be removed. The battery, fuses, and tool kit are located under the seat.
- How to remove the seat :
Pull the locking lever rightward, and then lift rear part of the seat backward. Now the seat can be removed.



- How to mount the seat:

Push the retaining tab under the front seat into the holder on the frame. Then push downward the rear part of the seat, and the seat can be attached on the frame.

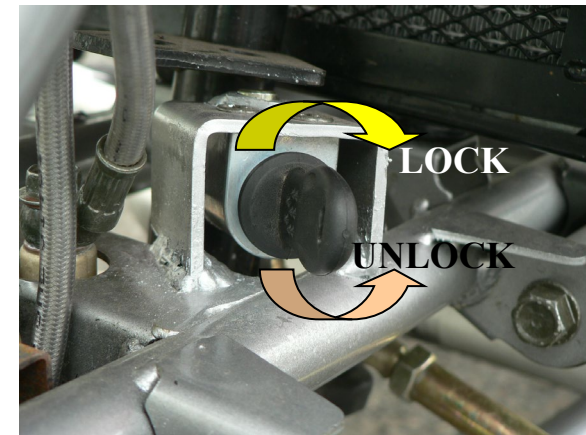


Note:

- After the seat is mounted, you need to ascertain that it is firmly attached to the frame by moving it upward/downward, and forward/backward. If the seat is not firmly attached, it may cause the rider to lose control of the **ATV** and lead to an accident.

■ Steering Handle Lock

- To prevent theft, the handlebars can be locked when the **ATV** is parked.
- How to lock the handlebar:
Turn the handlebars to the left all the way until it stops, and then turn the key clockwise to lock the handlebars. Then, remove the key.
- How to unlock the handlebar:
Turn the key counterclockwise to unlock the handlebars, and then remove the key.



Notes:

- After the handlebars are locked, verify that they are really locked by slightly turning them.
- After the handlebars are unlocked, verify that they are really unlocked by rotating the handle. This can prevent risk of hazard when riding.

■ Rear Brake Pedal

- Depressing the rear brake pedal will apply the rear brake. The brake lamp will be illuminated when the rear brake is operated.



■ Front Brake Lever

- The front brake is applied by squeezing the front brake lever gently toward the handle grip.
- The brake lamp will come on when the lever is squeezed.



WARNING :

- ◆ Apply the brake lightly and with great care on slippery surfaces to avoid skidding .

■ LCD Instrument Panel Adjustment

MARK MEANING:

NOTE You could get the Installation details from the Information behind the mark.

⚠ Some processes must be followed to avoid the affection caused by wrong installation.

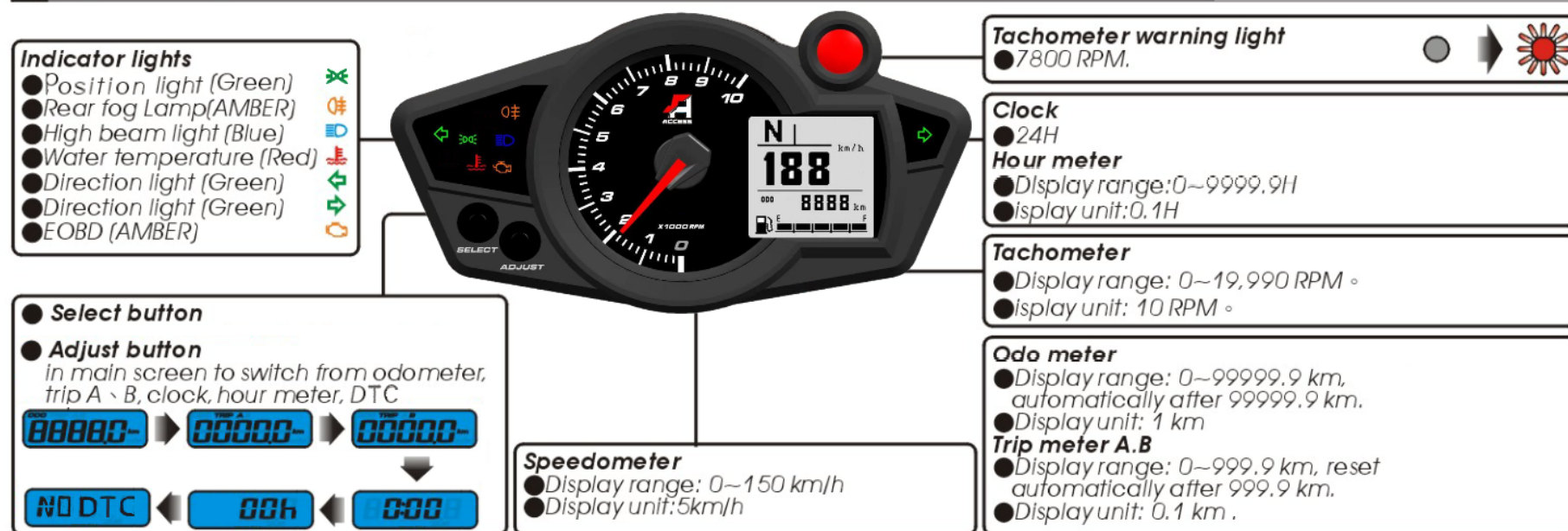


PRESS



PRESS THE BUTTON
3 SECONDS

1 Instruction of function



2 Function setting instruction

●Select+Adjust button function instruction X3 seconds



- In main screen, hold pressing the **Adjust+Select** buttons at the same time for 3 seconds to enter the setting page.

●The clock (Hour) setting



- EX: You want to set the hour at 14.
- Press the **Select** button to choose the hour you want to set.

00:00 → 14:00

NOTE Setting range: 0~23 H.



- EX: Now the setting is changed from 0:00 to 14:00.
- Press the **Adjust** button to enter the minute setting.

14:00 → 14:00

NOTE Press the **Select** button to move to the digit you want to set.

●The clock (minute) setting



- EX: To change the setting to 14:05.
- Press the **Select** button to choose the minute you want to set.

14:00 → 14:02 → 14:05

NOTE Setting range: 0~59 minutes.



- EX: Now the minute is changed from 14:00 to 14:05.
- Press the **Adjust** button to enter the Tire circumference setting.

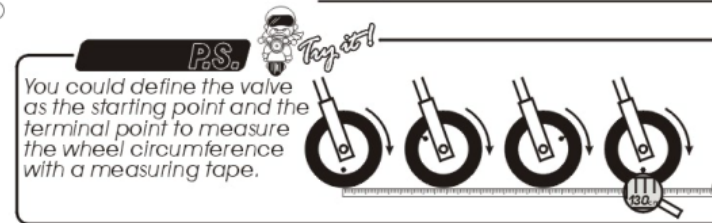
●Tire circumference setting.



- EX: The tire circumference is 1,450 mm.
- Press the **Adjust** button to move to the digit you want to set.

0000 → 1000 → 1000

NOTE The tire circumference setting range: 300~2,500 mm
Setting unit: 1 mm.



- Press the **Select** button to change the setting

0000 → 1000 → 1400
1450 ← 1400 ← 1400

- EX: The tire circumference setting is changed from 1,000 mm to 1,450 mm.
- Press the **Adjust** button for three times to enter the sensor point setting.

●Sensor point setting.



- EX: The sensor point you want to set is 6.
- Press the **Select** button to move to the digit you want to set.

NOTE The sensor point setting range: 01~20 points.



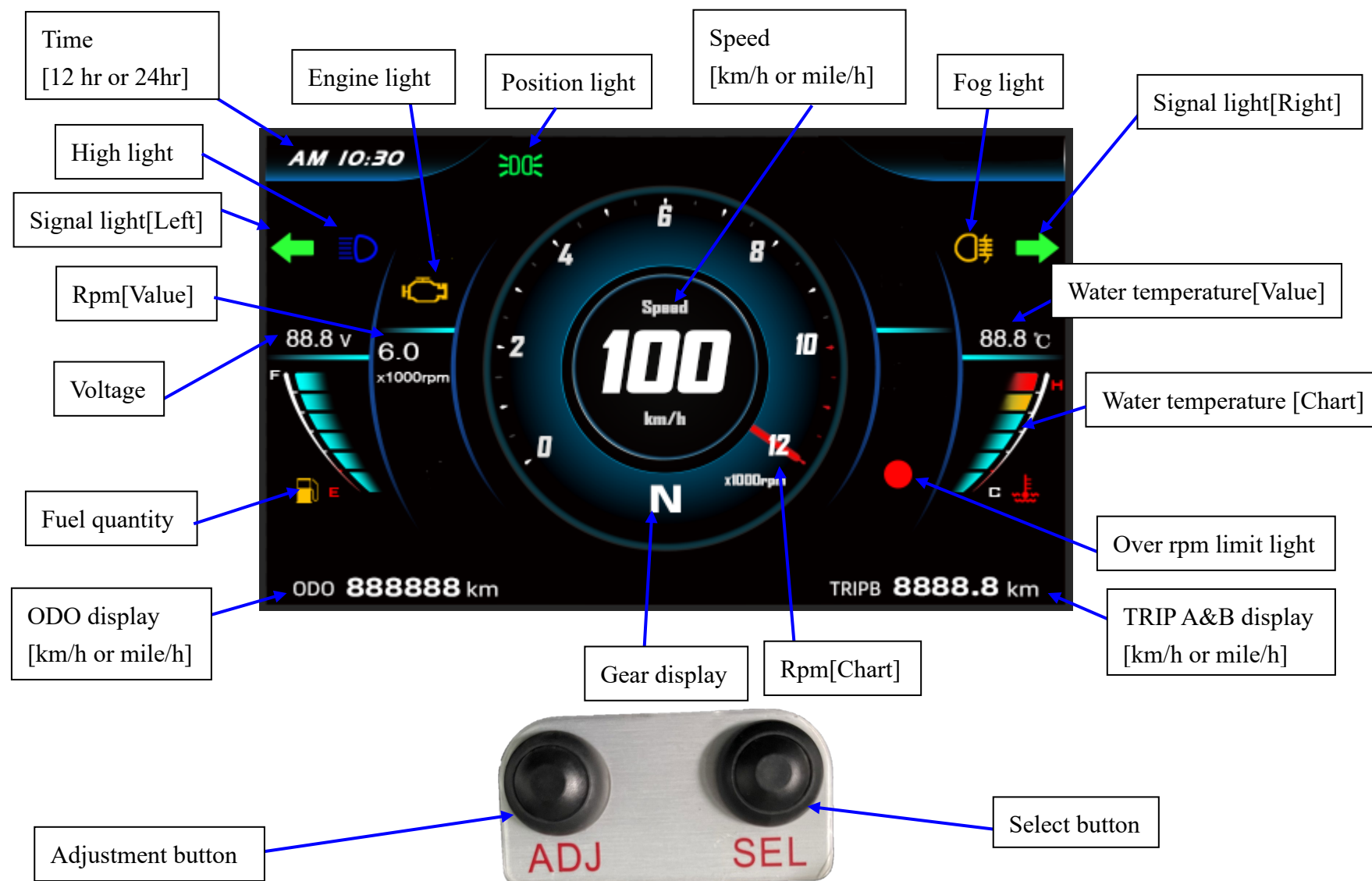
- EX: the sensor point setting is changed from 00 to 01.

00 → 01

- Press the **Adjust** button to enter the RPM input pulse setting screen.

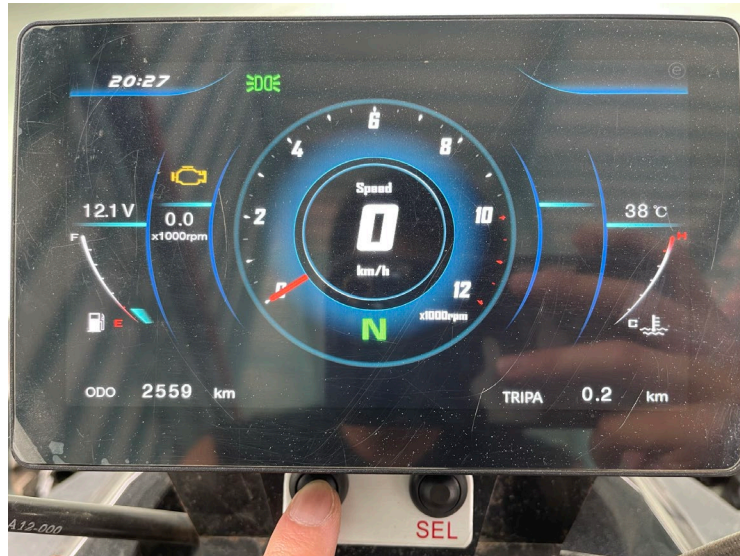
■ TFT Panel Adjustment[Option]

1.Instruction of function



2.Function setting instruction

- ADJ button function instruction

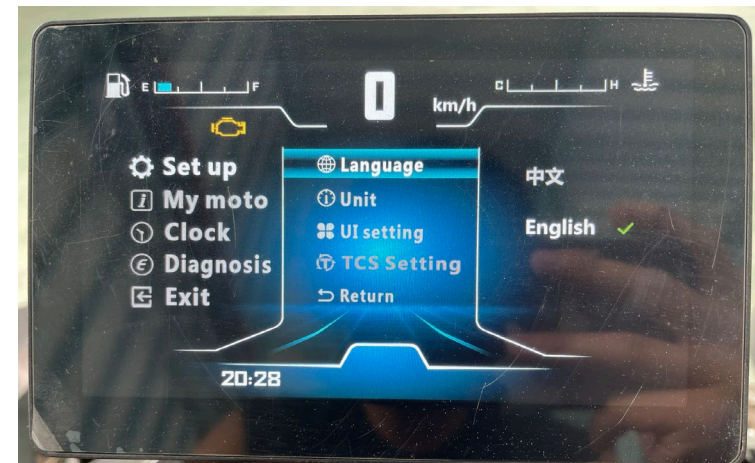


In main screen, hold pressing the ADJ button for 3 seconds to enter the setting page.



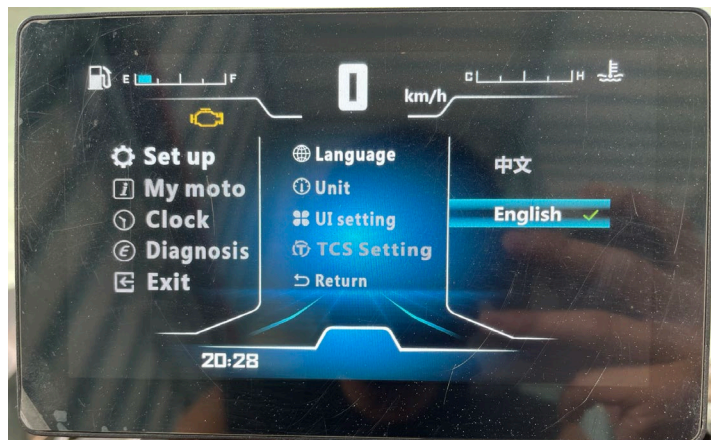
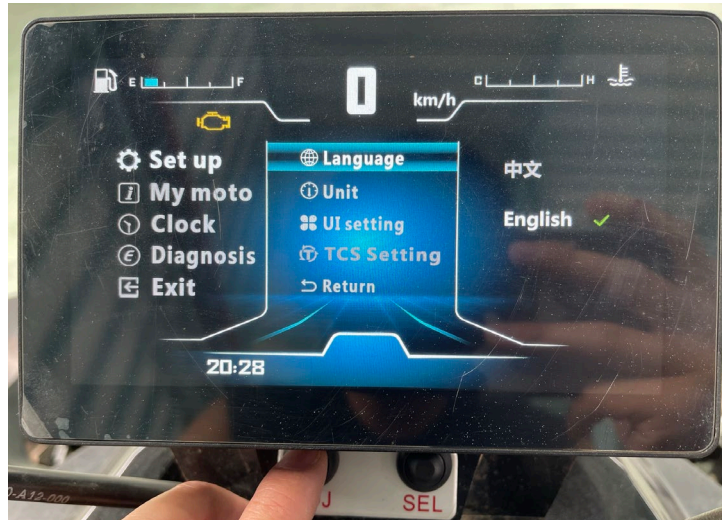
- Set up

In setting screen, hold pressing the ADJ button for 3 seconds to enter the “Set up” page.

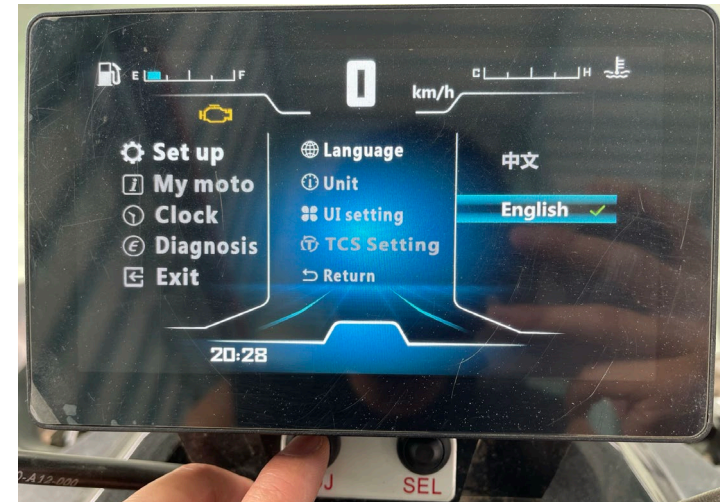


- Language setting

In “Set up” screen, hold pressing the ADJ button when the mark on “Language” column to enter the language setting.

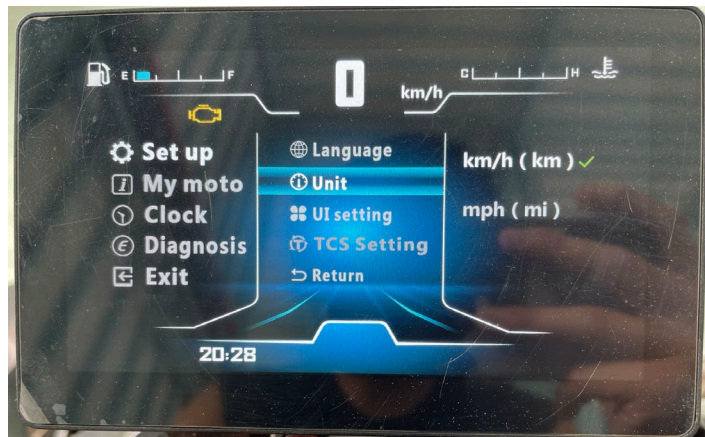
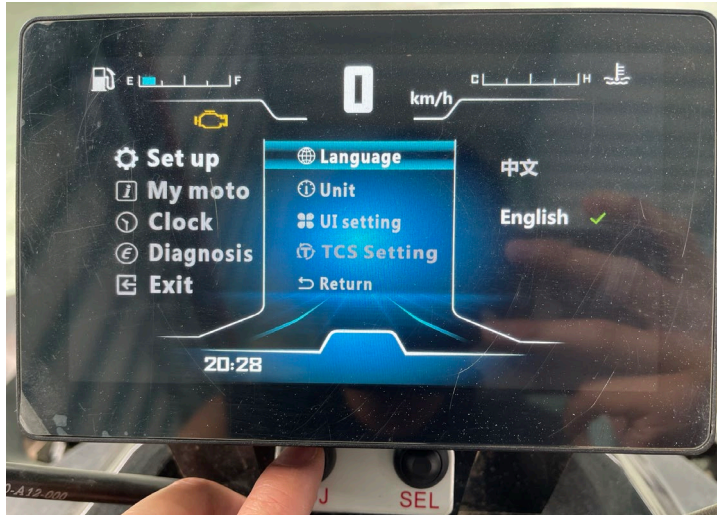


Short pressing the ADJ button once to select the language(Chinese or English), and then hold pressing ADJ button to exit the “Language” setting function.

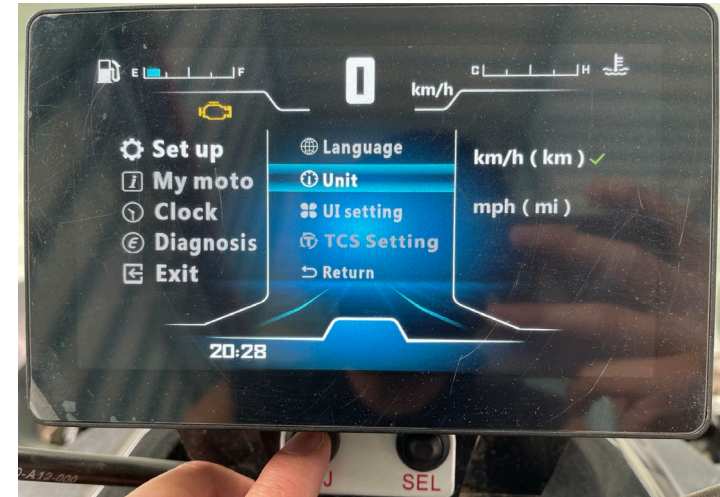


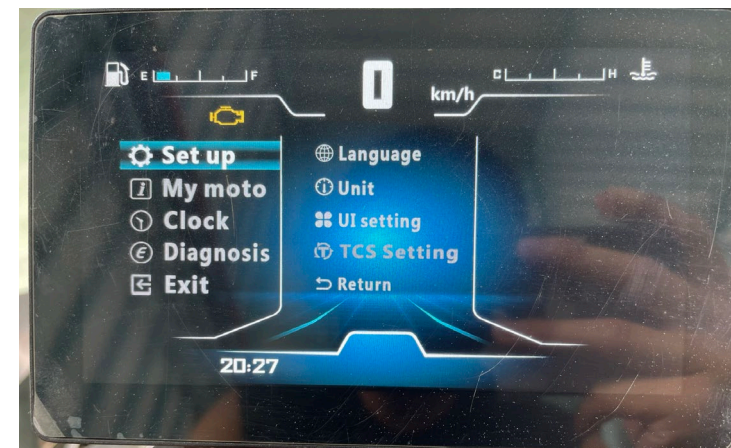
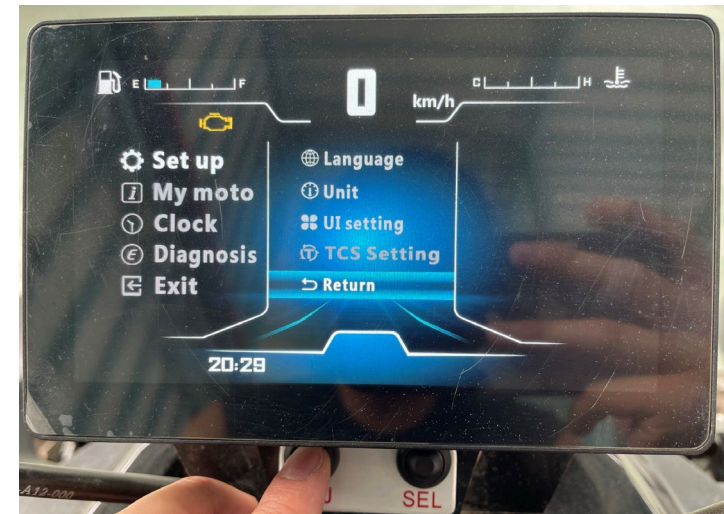
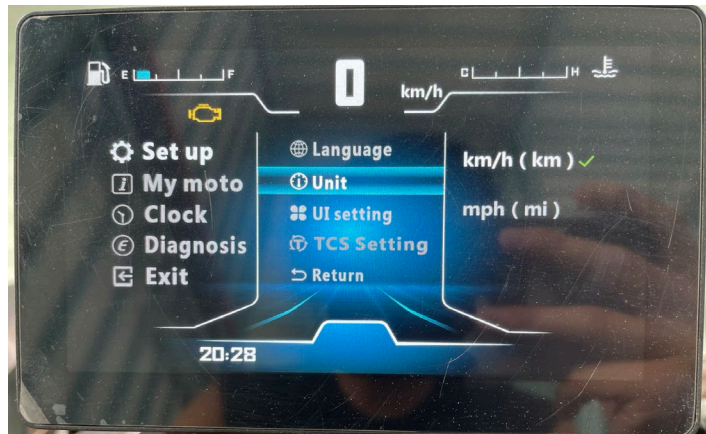
- Unit setting

In “Set up” page, short pressing the ADJ button let the mark from “Language” to the “Unit”, and then hold pressing the button for 3 seconds to enter the “Unit” setting page.



Hold pressing the ADJ button for 3 seconds to enter the “Unit” setting page, and then short press the button to select the column(km/h or mi/h), finally hold pressing for 3 seconds the button to exit the “Unit” setting function.



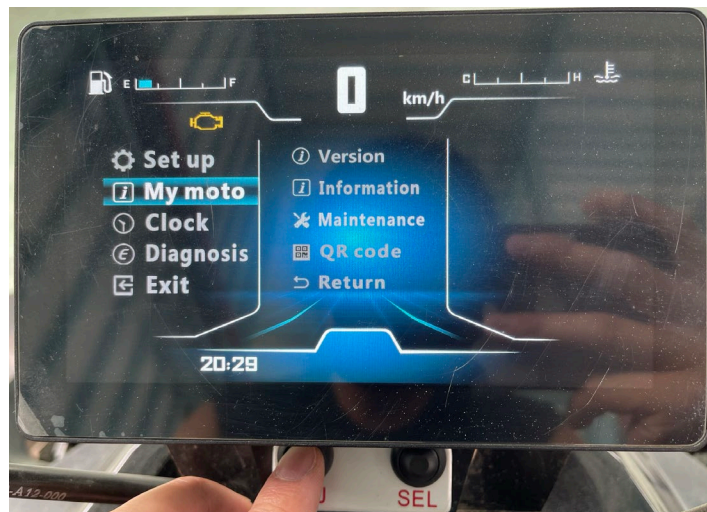
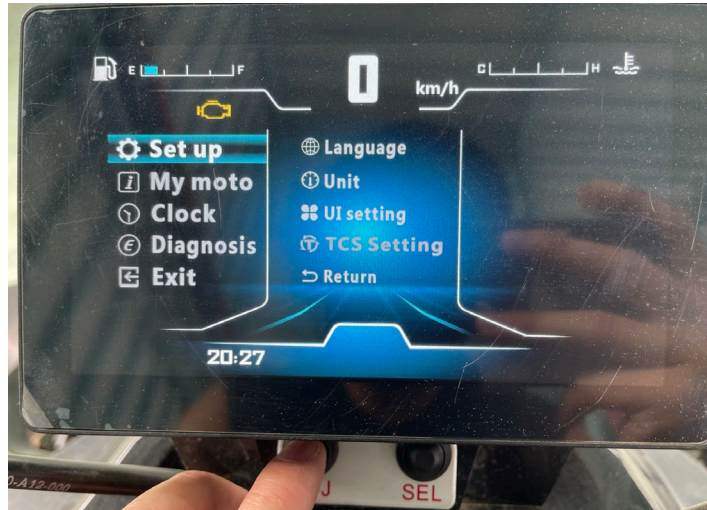


When back to the “Set up” page, short press the ADJ button twice, let the mark column jump to the “Return” column from “Unit” column, and hold pressing for 3 seconds to exit the “Set up” function.



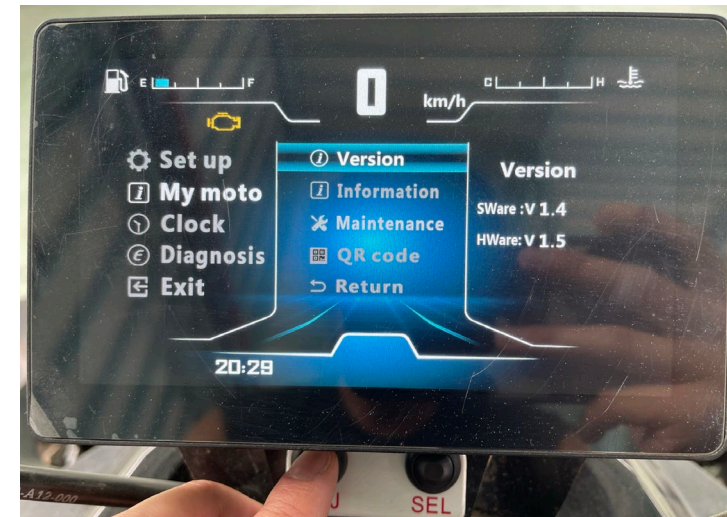
- Version check

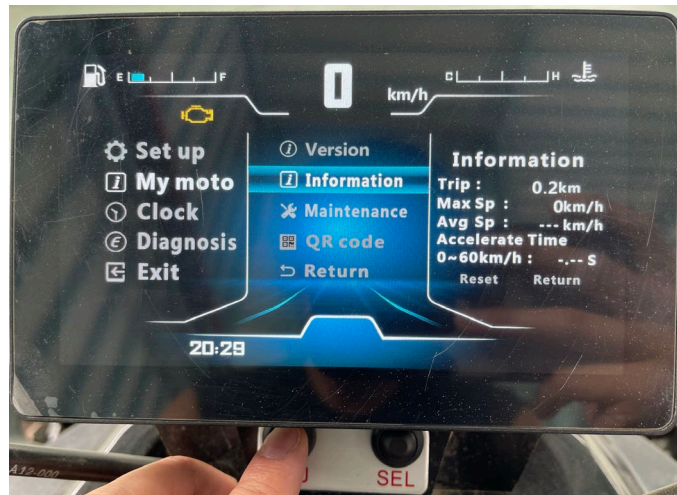
In setting screen, short pressing the ADJ button once, let the mark column jump to “My moto” column from the “Set up” column, and then hold pressing the button to enter the “My moto” setting.



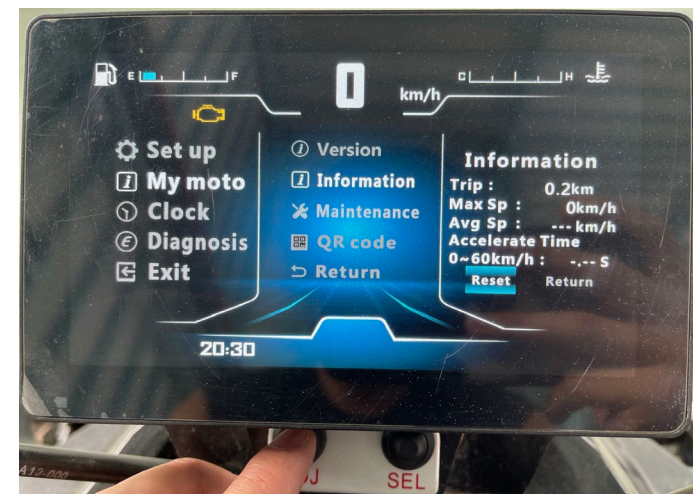
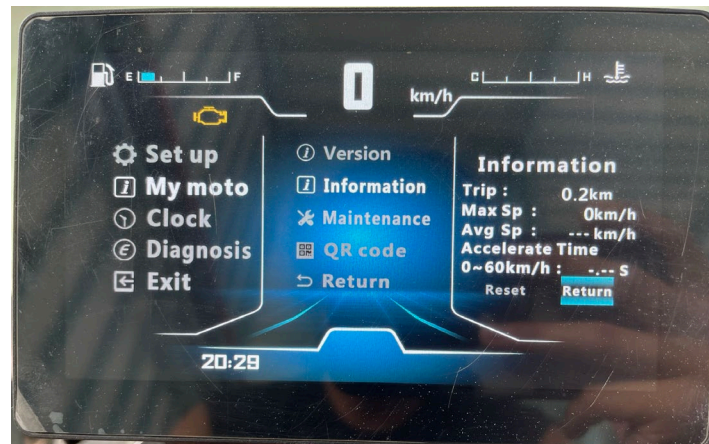
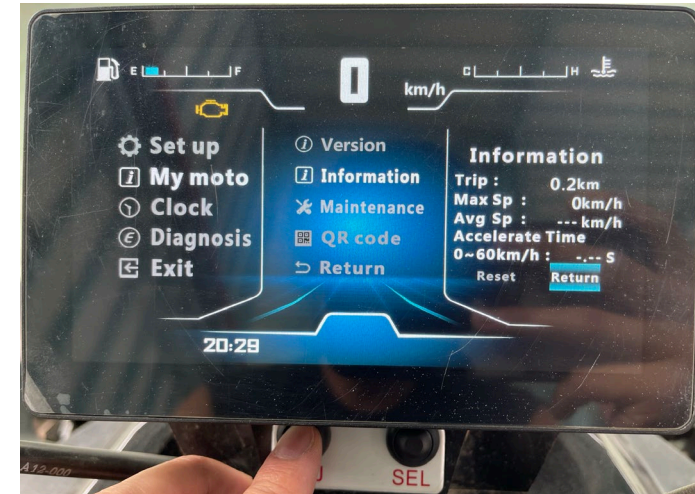
- Information setting & check

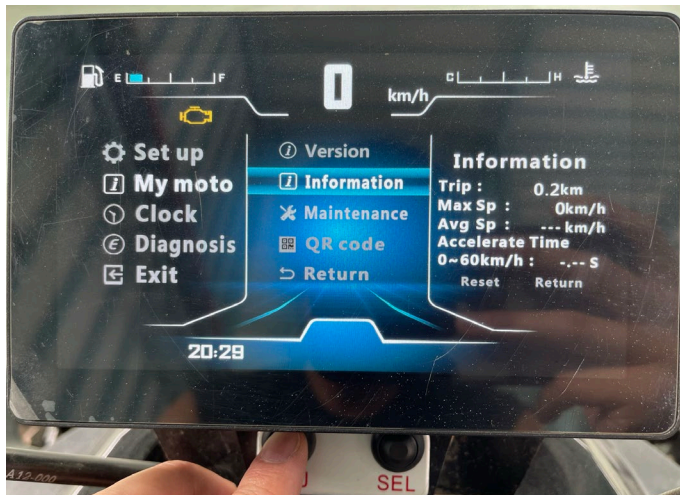
In “My moto” page, short pressing the ADJ button once, let the mark column jump to the “Information” column, finally hold pressing the button to enter the “Information” page.





In “Information” page, short pressing the ADJ button let the mark column jump to “Reset” column from the “Return” column, at last hold pressing the button for 3 seconds to reset the “Information” page value and auto turn back “My moto” page.





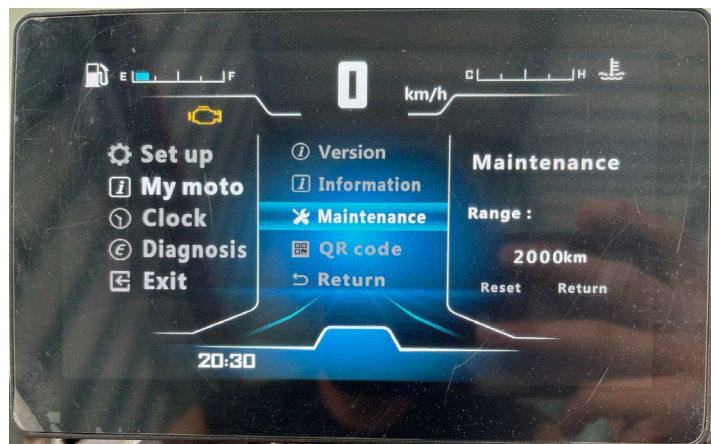
- Maintenance

In “My moto” screen, short pressing the ADJ button twice let the mark column jump to “Maintenance” column from “Version” column.



Then hold pressing the button to enter the “Maintenance” page, short pressing the button to change mark column from “Return” to “Reset”, at last hold pressing the button to reset the “Maintenance” rage.





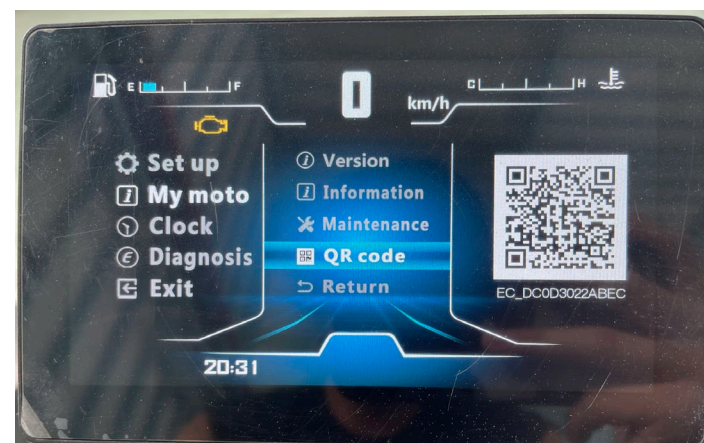
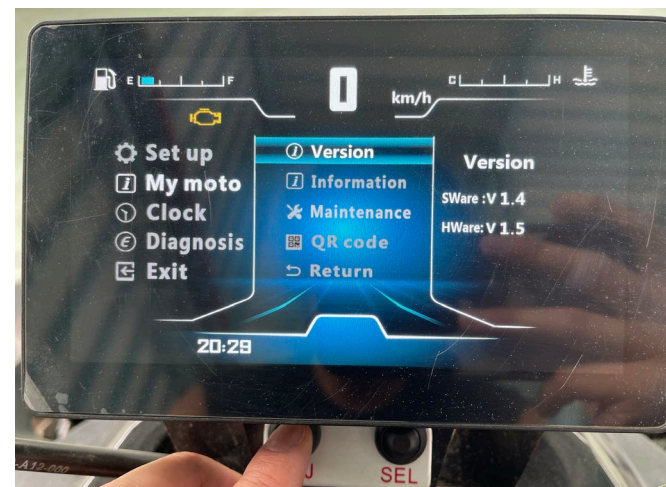
※If the icon show bottom right of the main screen, please use “Maintenance” function to clear it.



[The maintenance icon will show after drive 500km, next time show the icon is after the 2000km]

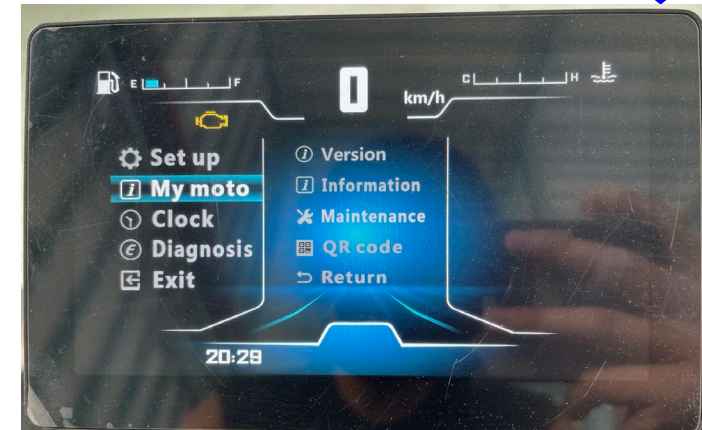
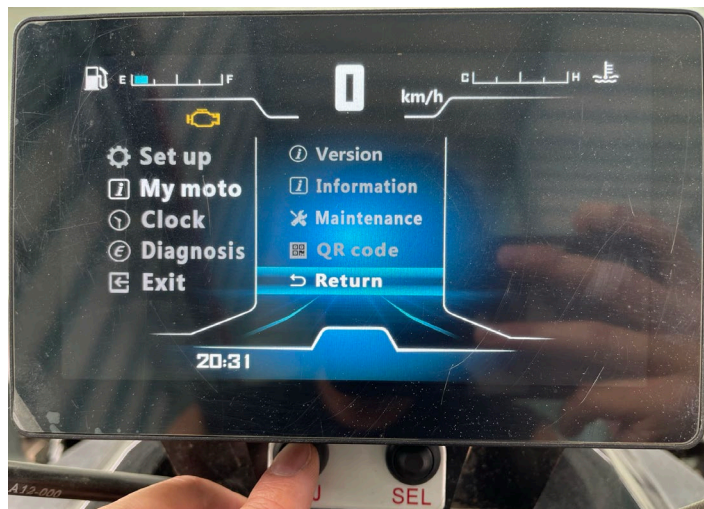
- QR code

7” Thin Film Transistor have navigation system, please short pressing the ADJ button three times let the mark column jump to “QR code” column from the “Version” column.



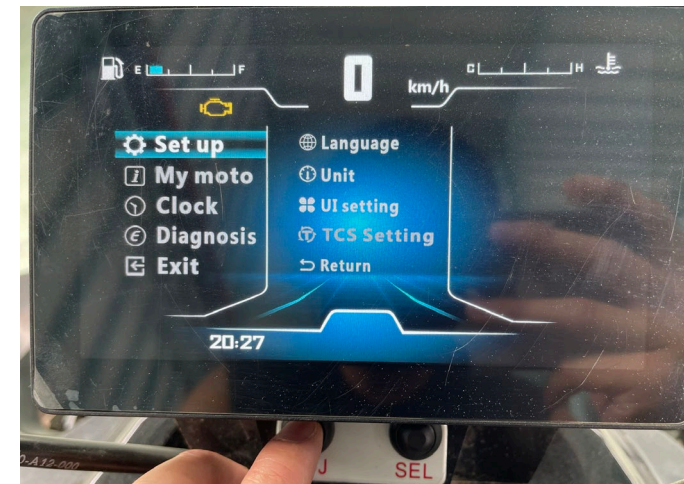
※Please use smart phone’s camera to scan the QR Code and download the APP, follow the APP guidelines to connect and start the navigation function.

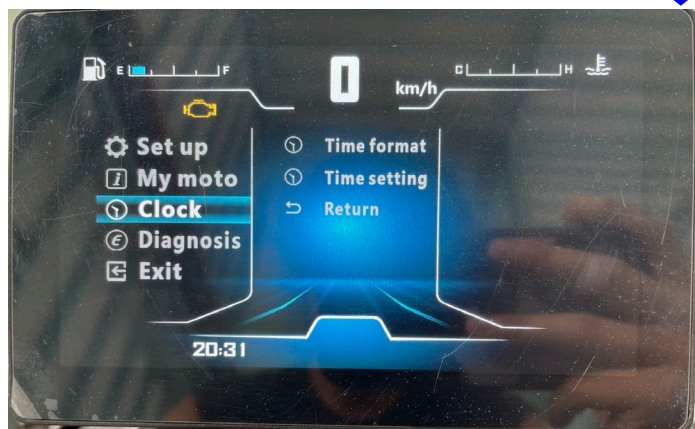
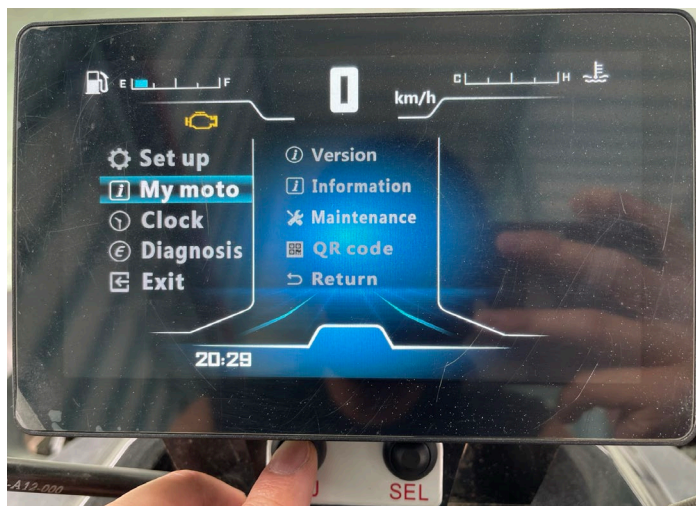
When back to the “My moto” page, short pressing the ADJ button once let the mark column jump to “Return” column from “QR code” column, at last hold pressing the button to exit the “My moto” function.



- Time format

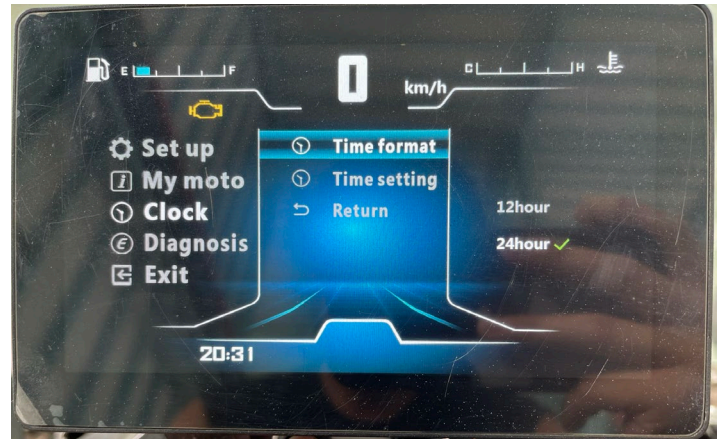
At setting screen, short pressing ADJ button twice let the mark column from “My moto” column to “Clock” column, hold pressing the button to enter the “Clock” setting page.





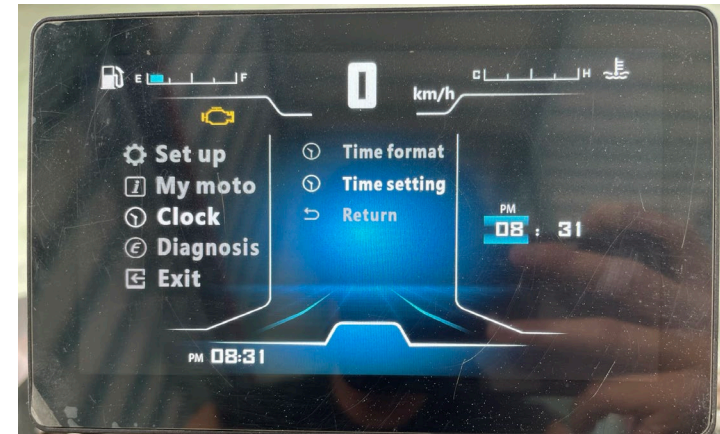
When the mark column at “Clock” column, hold pressing the ADJ button for 3 seconds to enter the “Clock” setting.

Enter the “Clock” setting page, when the mark column at “Time format” ,hold pressing the ADJ button for 3 seconds to enter hour clock setting, short pressing to select 12 or 24 hour clock, at last hold pressing the button to exit the “Time format” function.



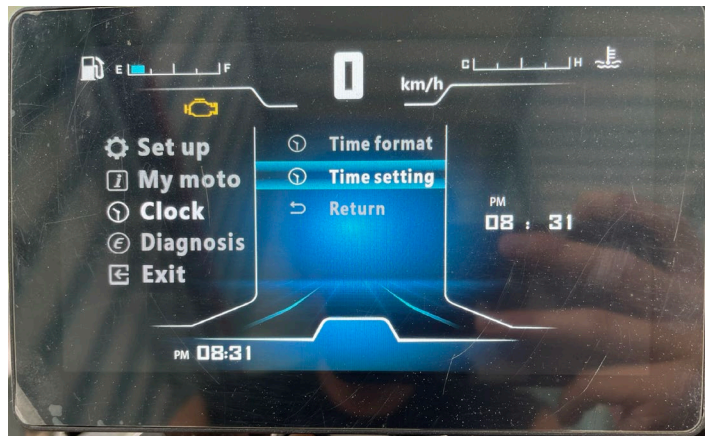
- Time setting

At “Clock” page, short pressing the ADJ button once let the mark column jump to the “Time setting” column, and then hold pressing the button for 3 seconds to enter the “Time setting”.

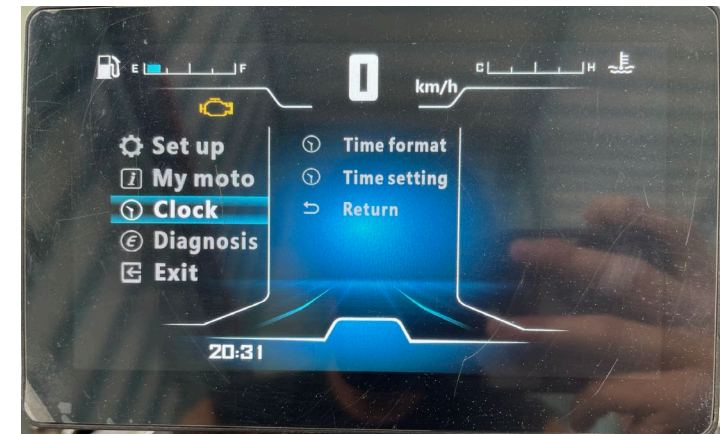
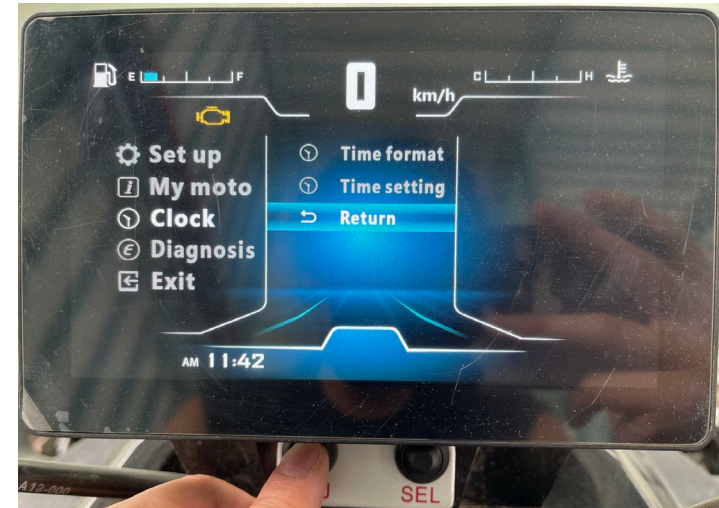


At “Time setting” page, short pressing the ADJ button to select the value(12hour clock:1~12;24hour clock:1~23), when confirm the hour column, hold pressing the button for 3 seconds to change the column from hour to minute, at last make sure the minute column value correct, hold pressing the button for 3 seconds again to exit the “Time setting” function.



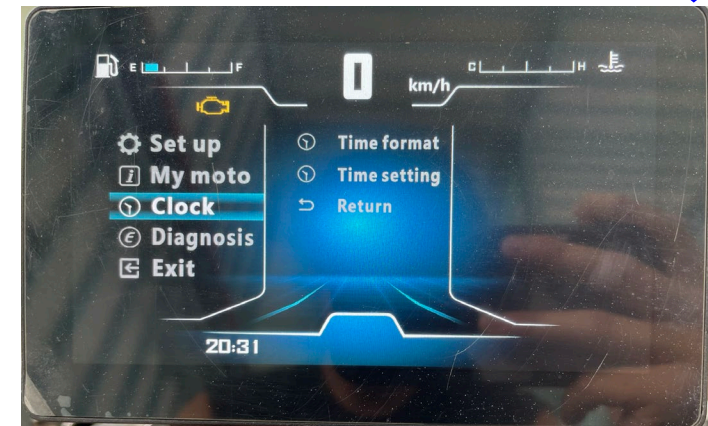
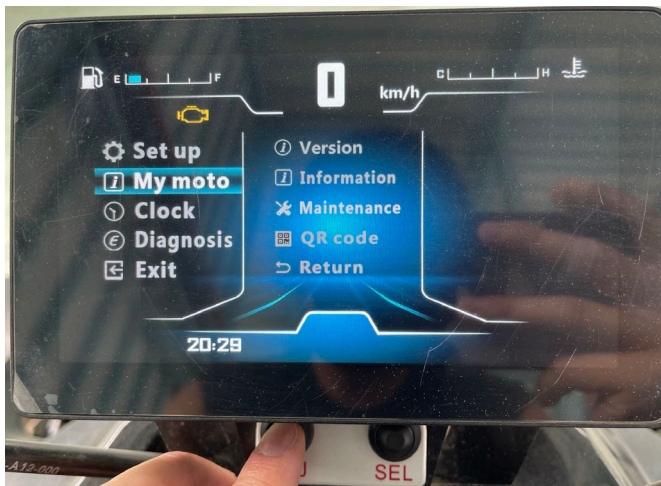


When finish the clock setting, short pressing the ADJ button once let the mark column jump to “Return” column from “Time setting” column, at last hold pressing the button for 3 seconds to exit the time setting function.



- Diagnostic Info

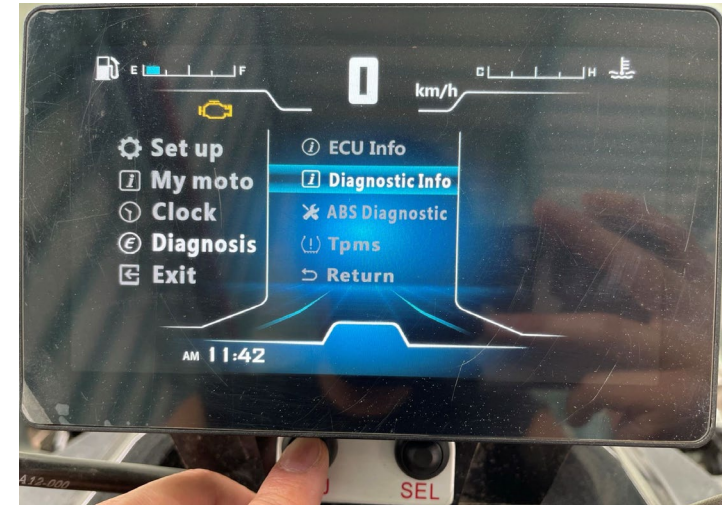
At setting screen, short pressing ADJ button three times let the mark column from “Set up” column to “Diagnosis” column, hold pressing the button to enter the “Diagnosis” setting page.



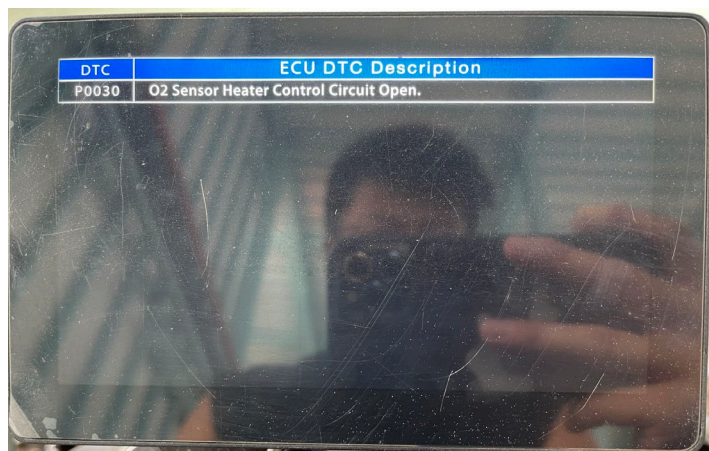
When the mark column at “Diagnosis” column, hold pressing the ADJ button for 3 seconds to enter the “Diagnosis” setting page.



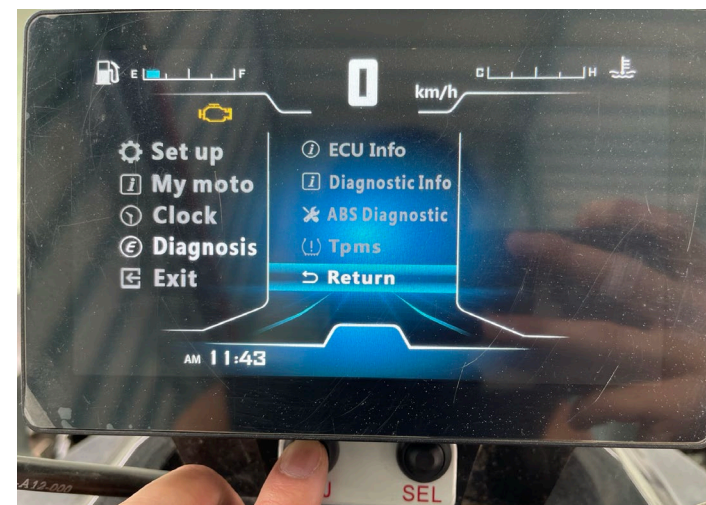
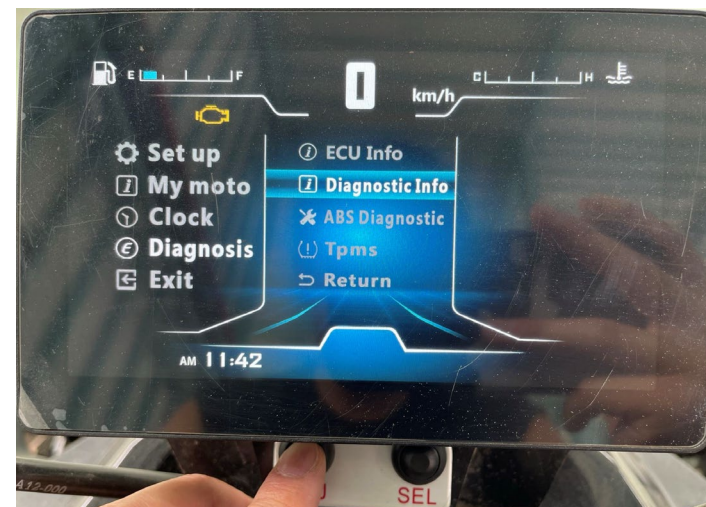
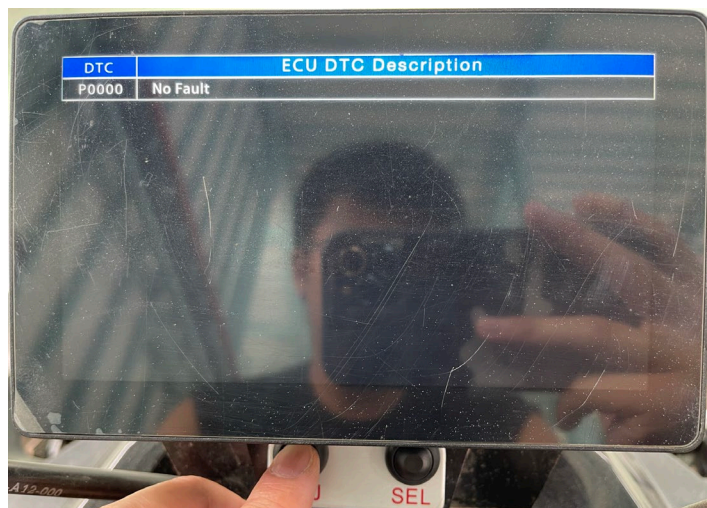
At “Diagnosis” screen, short pressing the ADJ button once let the mark column jump to “Diagnostic Info” from the “ECU Info”, and next step is hold pressing the button for 3 seconds enter the “Diagnosis” page.

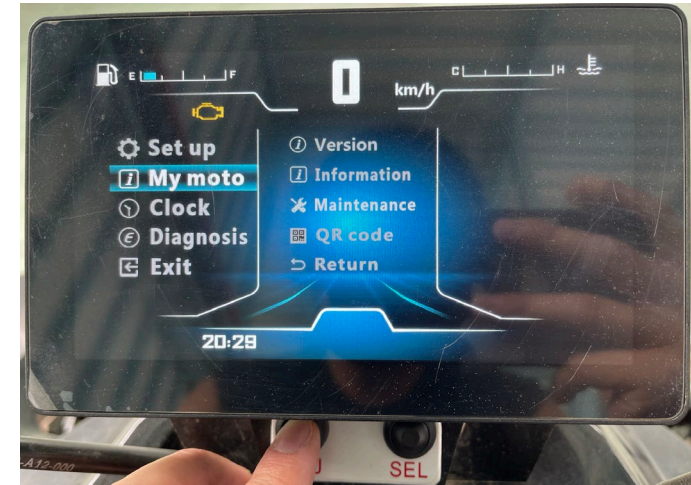


※ If system have any problem or broken, the error information will show on this screen.



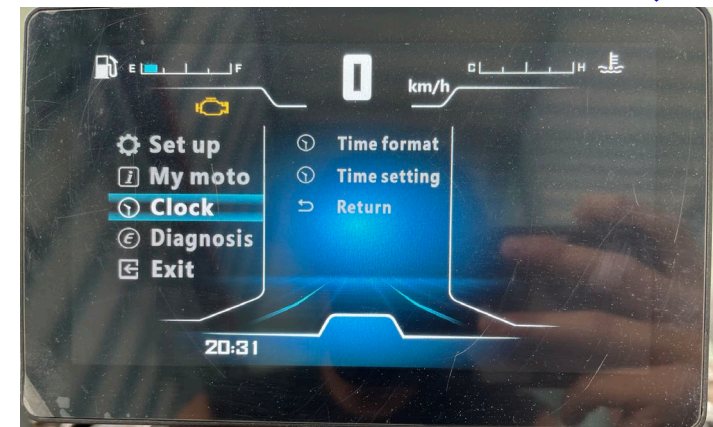
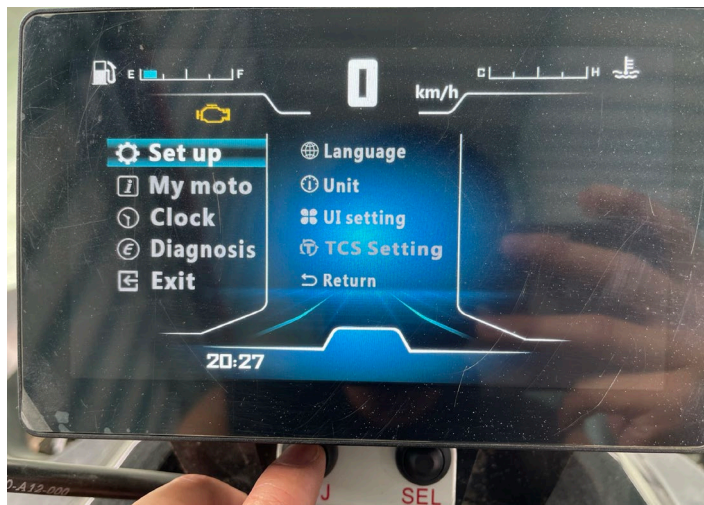
Hold pressing the ADJ button to exit the “Diagnosis” page, at then short pressing the button three times let the mark column jump to “Return” from “Diagnosis” column, finally hold pressing the button for 3 seconds exit the “Diagnosis” page.

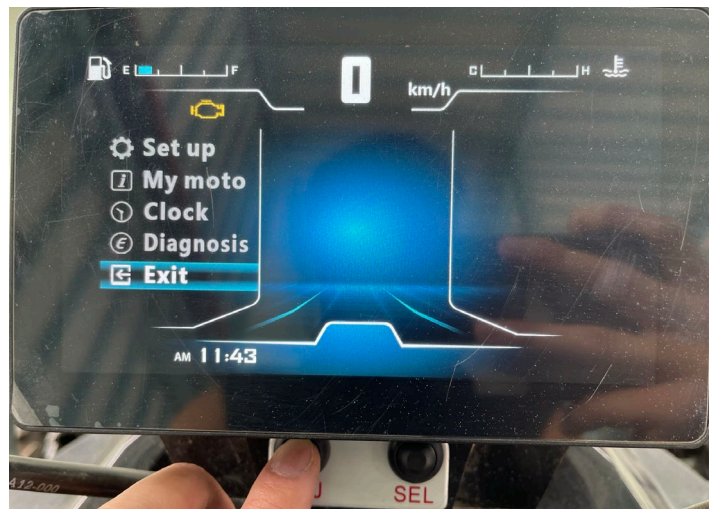
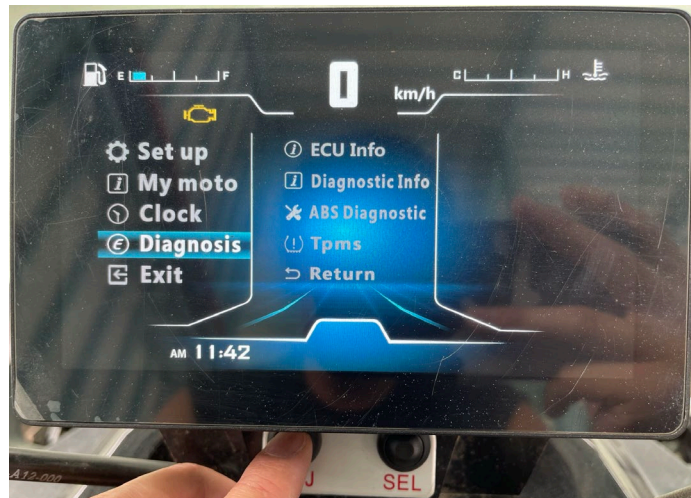




- Exit

At setting screen, short pressing the ADJ button four times to let the mark column jump to “Exit” column from “Set up” column, and then hold pressing the button to exit the setting page.





- SEL button function instruction:
In main screen, short pressing the SEL button to switch the "TRIPA" or "TRIPB" show.





- Mileage reset

The mileage “TRIPA” & “TRIPB” can be reset, at the mileage “TRIPA” (“TRIPB”), hold pressing the “SEL” button for 3 seconds to reset the column.



[

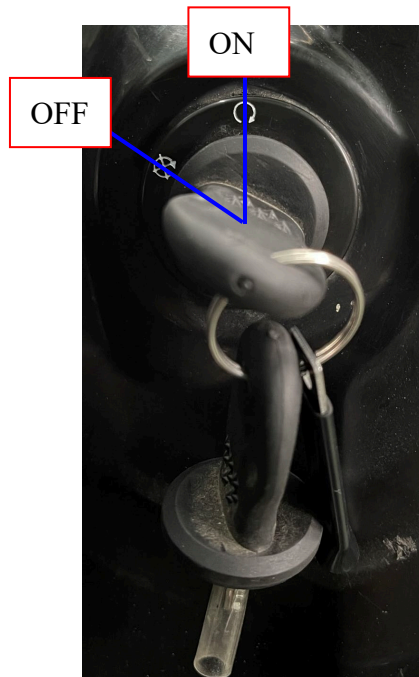




]

4. Starting the Engine Electrically

- (1) Before attempting to start the engine, make sure to follow these steps .
 1. When the ignition switch is turned on, check that the neutral indicator light comes on. The gear should be in neutral when the engine is started.
 2. Set the parking brake .
 3. Turn the key to the “**ON**” position.



Note:

- Before starting the engine, first check oil and fuel levels.

- (2) After making sure that the engine is warm, apply the rear brake and then release the parking brake. To release the parking brake, simply squeeze the clutch lever until the parking brake lever knob releases.

Pull in the clutch lever and engage first gear by pushing down the gearshift lever while depressing the rear brake pedal. To start moving , slowly release the clutch lever as you gradually open the throttle . As the clutch engages , release the rear brake. When the **ATV's** speed increased , pull in the clutch lever and release the throttle at the same time .Lift the gearshift lever to engage second gear and release the clutch lever . You can select third , fourth , and top gear in succession by repeating this shifting sequence .

Reduce **ATV** speed before shifting down . To shift down , release the throttle and push down on the gearshift lever to engage a lower gear .



WARNING :

- ◆ Opening the throttle suddenly can be hazardous .
- ◆ The front wheels can lift off the ground and cause loss of control of the **ATV** .
- ◆ Always open the throttle gradually when you accelerate .

WARNING :

- ◆ Shifting incorrectly can be hazardous .
- ◆ Downshifting at too high of a speed can cause sudden slowing and may pitch the rider forward .
- ◆ Also , engine and drive chain damage can occur if you do not shift correctly .
- ◆ Slow down before downshifting and always release the throttle every time you shift gears .

■ When Starting The Engine

- Press the startup rocker switch, and the engine can be started.
- If the engine starts to cool, let the engine warm up for 2-3 minutes.
- Do not rev the engine to high speed while it is idling. This can ensure the engine life.

Notes:

- Once the engine starts to run, immediately release the startup rocker switch.
- Do not press the startup rocker switch while the engine is running, or it will lead to an adverse effect to the engine.
- Do not press the startup switch for over four seconds, when the electric motor is used to start the engine.

5. Front & Rear suspension



■ Spring PRE-LOAD adjustment

This adjustment can be performed by changing the adjuster ring position.

To ensure riding comfort, the travel of rear shock absorber is adjustable.

How to adjust it:

Front suspension

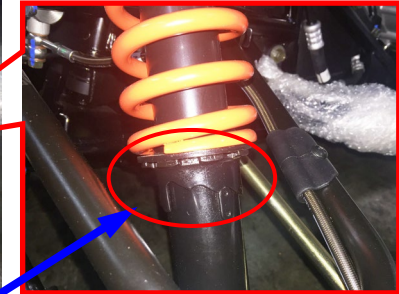
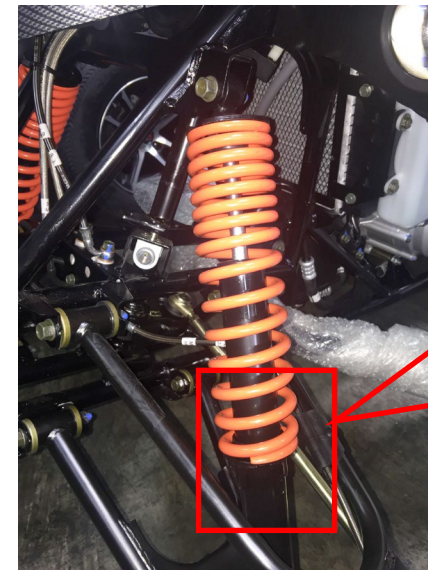
1. Adjust the spring lower mount with the wrench and rotate the mount counterclockwise to increase the spring compression. The stroke, clockwise rotation is to reduce the stroke.

Rear suspension

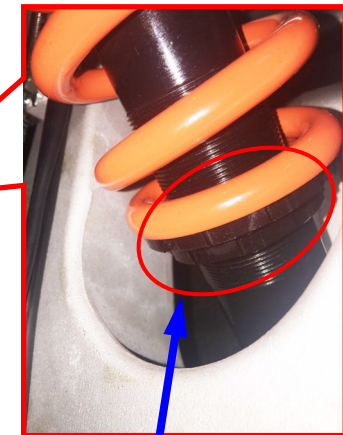
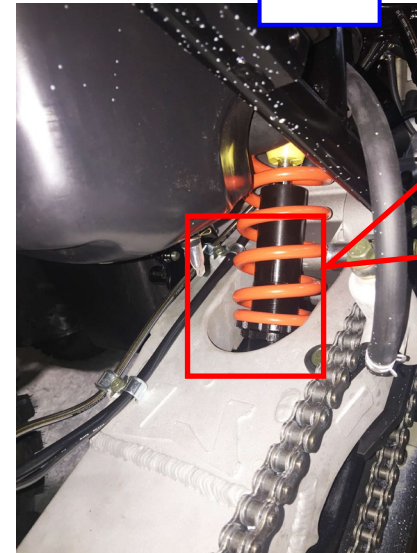
1. Using a wrench to loosen the retaining nut and adjust the absorber travel.
2. Turning counterclockwise the retaining nut is to increase the travel, and turning clockwise is to reduce the travel.
3. Tighten the retaining nut again after a proper travel is obtained.

Warning :

- ◆ Unequal front suspension adjustment can cause poor handling and loss of stability.
- ◆ Be sure to adjust the compression and tension damping force on right and left front shock absorbers to the same setting.



Front

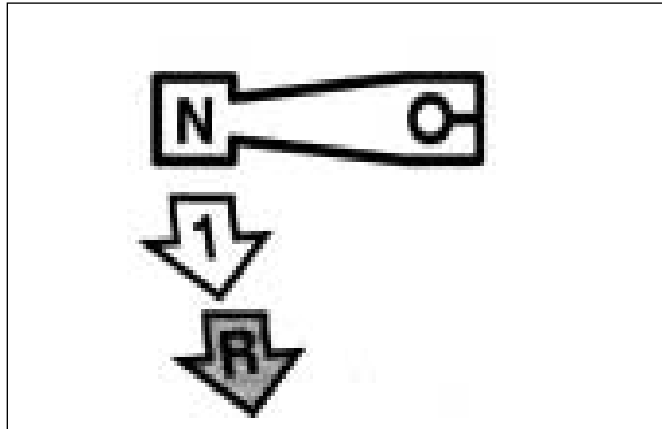


Rear

6. Normal Usage

■ When riding:

- The rear brake handle levers is kept at the braking position, and then pull in the clutch lever and engage **first gear** or “**R**” position.



Note:

- When the engine is idling, do not push the accelerator to rev the engine.

- The rider shall put both of his feet on floor panel and keep his body upright with two hands holding the handlebars. Do not make haste, relax, carefully heed surrounding conditions and ride safely.

Note:

- Before riding, the rear brake handle levers should be kept at braking positions.

Placing the parking lever back to its original position (OFF) is in the brake releasing (unlocking) status.



Note:

- After releasing the parking brake on the rear wheels, do not push or press the accelerator lever to avoid jerking ahead and causing the risk of hazard.

- Release the rear brake handle lever, and slowly push the accelerator lever, the **ATV** will start to run smoothly.



Note:

- Do not push the accelerator with force to avoid dash-out of the **ATV**.

■ Normal Riding

- Make sure that the surroundings are safe before setting out on the trip. (See Riding Precautions)

- The speed of the **ATV** is controlled via the accelerator lever.
- Pushing the accelerator lever.. the speed increases

The accelerator lever should be pushed slowly.

When going uphill, slowly push the accelerator lever the engine will rev up and power increases.

- Return to original position the speed decreases.



■ Prolonged Engine Life Depends Upon Correct Riding

- Keep the **ATV** speed no more than 40 km/h during the first month when
- New **ATV** starts to operate. (Engine running in period)
- The first month is the most important in the life of you **ATV**. Proper operation during this break-in period will help assure maximum life and performance from your new **ATV**.
- During the first 10 hours of operation, you should always use less than 1/2 throttle. (recommendation).
- Vary the engine speed during the break-in period. This allows the parts to load (aiding the mating process) and then unload (allowing the parts to cool). Although it is essential to place some stress on the engine components during break-in, you must be careful not to load the engine too much.
- Operating the engine at constant low speed (light load) can cause parts to glaze and not seat properly. Allow the engine to accelerate freely through the gears, without exceeding the maximum recommended throttle opening.
- Allow enough idling time after warm or cold engine starting before revving the engine or placing the transmission in gear. This allows time for the lubricating oil to reach all critical engine components.
- Observe your initial and most critical service. Timely performance of this service will help make sure you get the best service life and performance from the engine.

■ Braking

- When Applying Brakes, Simultaneously Apply Both Front and Rear Brake Handle Levers.
- To stop the **ATV**, first release the throttle lever. Next, Apply the front and rear brakes evenly and at the same time. As **ATV** speed decreases, Shift down through the gears.

Notes:

Care should be taken if applying only one brake handle lever on one side, it is easy to cause the **ATV** to skid and be unstable.

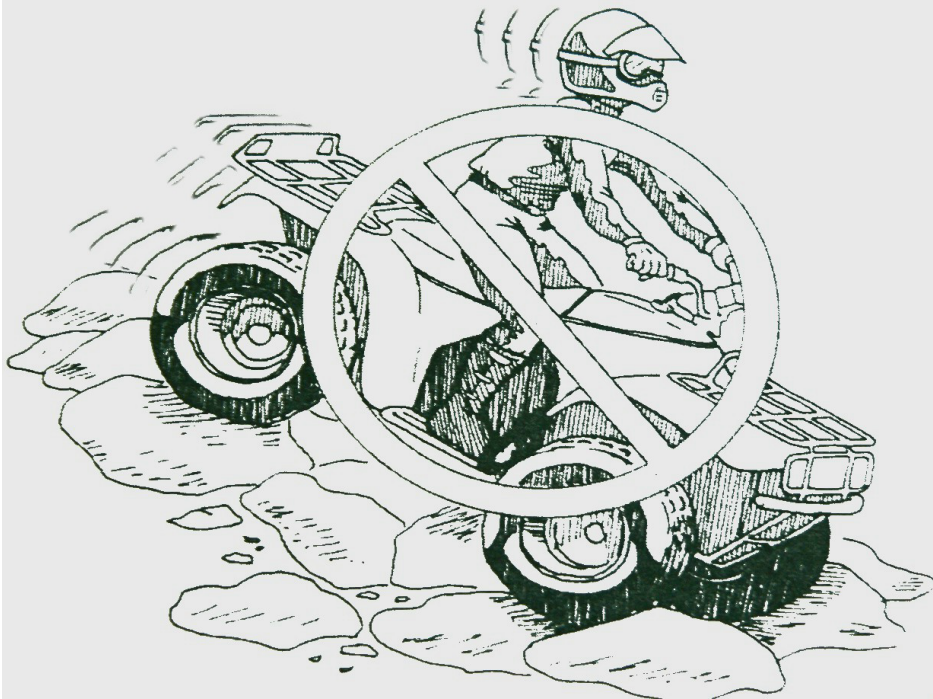
Do not attempt to apply emergency brakes during riding, it is easy to cause the **ATV** to skid, and is very dangerous for the rider.

Use the brakes to slow down before you begin to turn.

Apply the brakes lightly and with care on slippery surfaces.

■ Do Not Apply Emergency Brake and Have a Quick Turn

- Using emergency brakes and quickly turning are two major causes to lead to skidding and turning over, which is very dangerous for the rider.



■ Riding with Particular Attention in Raining Days

- In raining days the condition of road surface differs from that in clear days. The brake distance will be extended. Ride at a lower speed and apply brakes earlier.
- When going downhill, put the accelerator lever back to the OFF position and intermittently apply brakes. Ride at a slower speed.

■ How to Stop the ATV

- When approaching the parking space:
- Check that the surroundings are in safe condition and then slowly park the **ATV**.
- Put the accelerator lever back to the original position, and pull both front and rear brake handle levers, which will activate the brake light to alert coming **ATVs** in the back. Shift to neutral, Neutral position can be confirmed by observing the neutral indicator lamp.

■ When the ATV Comes to a Full Stop

- Turn the ignition switch to the “OFF” position.



Note:

- Turning off the ignition switch and removing the key during riding will cause the electrical system to disable. This is a major cause of an accident. Do not do that until the **ATV** comes to a full stop.

■ When parking the **ATV**:

- To prevent the ATV from moving, pull tight the brake handle lever and push the parking lever to the ON position (leftward) to lock the rear wheels.



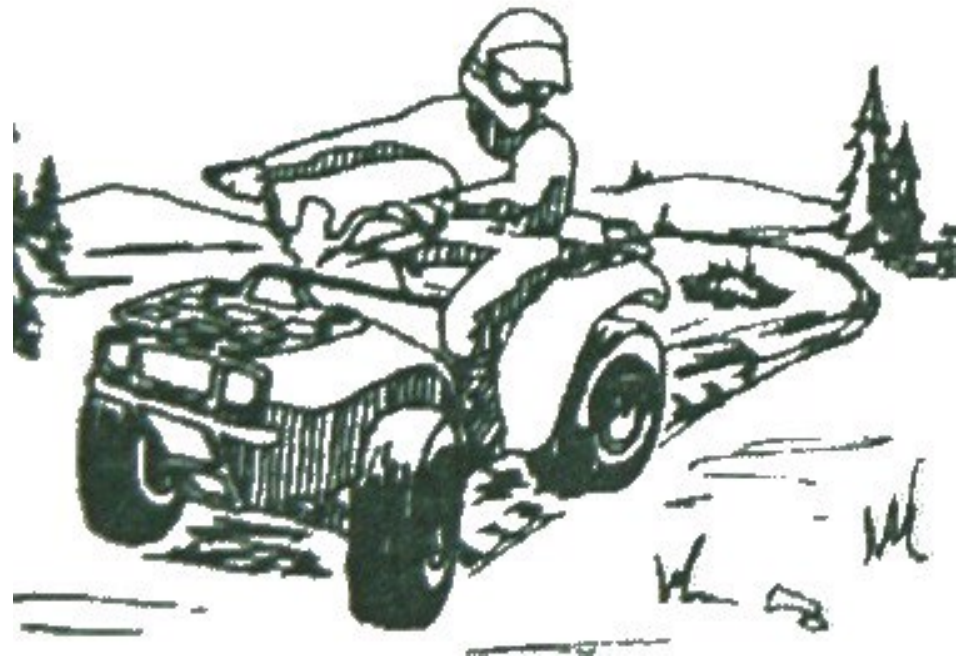
Note:

- If the play of the rear brake handle lever is incorrect, it will not lock the rear wheels, which will lead to the risk of hazard.

7. Check before Riding

■ Pre-riding Check

- Make it a habit to check the **ATV** before riding.
- Check the condition of the **ATV** to help make sure that you do not have mechanical problems, or you might get stranded somewhere when you ride. Before riding the **ATV**, be sure to check the following items. Be sure your **ATV** is in good condition for the personal safety of the rider and protection of the vehicle.
- Even for a relatively simple and easy trip, a pre-riding check is also required. If an abnormality is found, ride your **ATV** to the nearest workshop or service center for inspection and repair.



Notes:

- If the **ATV** engine just stops, the oil level will not be accurate.
- When the engine stops, it is still very hot. If you check the oil level or replace oil right after, care should be taken to avoid being burn.

What to check	Check for :
Steering	<ul style="list-style-type: none"> * Smoothness * No restriction of movement * No play or looseness
Brakes	<ul style="list-style-type: none"> * Proper operation * Brake fluid level in the reservoir to be above "lower" line * No fluid leakage or damage * Proper pedal and lever play * No "sponginess" * Parking brake effectiveness * Brake pads not to be worn down to the limit line
Tires	<ul style="list-style-type: none"> * Proper pressure * Enough tread depth * No cracks, rips, or other damage
Wheel nuts	* Wheel nuts tightness
Fuel	<ul style="list-style-type: none"> * Enough fuel for the intended run * Fuel hose connected securely * No damage to fuel tank or cap * Tank cap closed securely
Lamp	* Proper operation of all lamps and indicators
Engine oil	<ul style="list-style-type: none"> * Correct level and pollution degree of engine oil * No engine oil leakage

What to check	Check for :
Cooling system	<ul style="list-style-type: none"> * Proper coolant level * No leaks or damage
Throttle	<ul style="list-style-type: none"> * Proper cable play * Smooth response * Quick return to idle position
Clutch	<ul style="list-style-type: none"> * Correct lever play * Smooth and progressive action
Gearshift lever	<ul style="list-style-type: none"> * No damage lever * Smooth operation
Drive chain	<ul style="list-style-type: none"> * Proper tension * Adequate lubrication * No excessive wear or damage
Suspension	* Smooth movement
Horn	* Correct fuction
Rear-view mirror	* No dust or damage
General condition	<ul style="list-style-type: none"> * Bolts and nuts are tight * No rattle from any parts of the ATV with the engine running * No visible evidence of damage

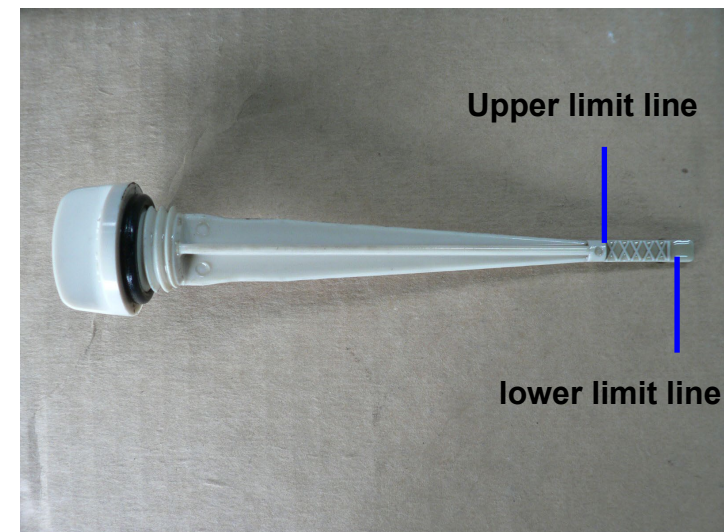
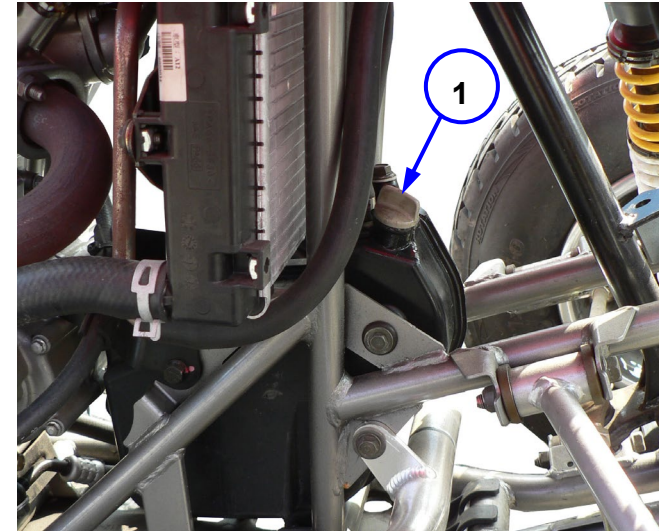
■ Oil Check and Refilling

- Oil level check

The oil pumped up to the oil tank while the engine is running. The engine oil in the oil tank decreases when the engine is left unused. The engine oil in the oil tank drips to the crankcase.

To check the oil level, follow the procedure below:

1. Place the **ATV** on the level ground.
2. Start the engine and allow it to idle for three minutes.
3. Stop the engine and wait three minutes.
4. Remove the oil level gauge. ①
5. Wipe the oil from the oil level gauge using a clean rag.
6. Reinsert the oil level gauge until the threads touch filler neck, but do not screw the oil level gauge in.
7. Draw out the oil level gauge and check the oil level. The level found on the oil level gauge should be between “Lower” and “Upper” limit line, if the oil level is below the “Lower” limit line, add fresh oil into the filler hole until the oil level reaches the “Upper” limit line.



■ Recommended Oil Specification and Grade

Oil specification: SAE 20W50#

API.SL or above

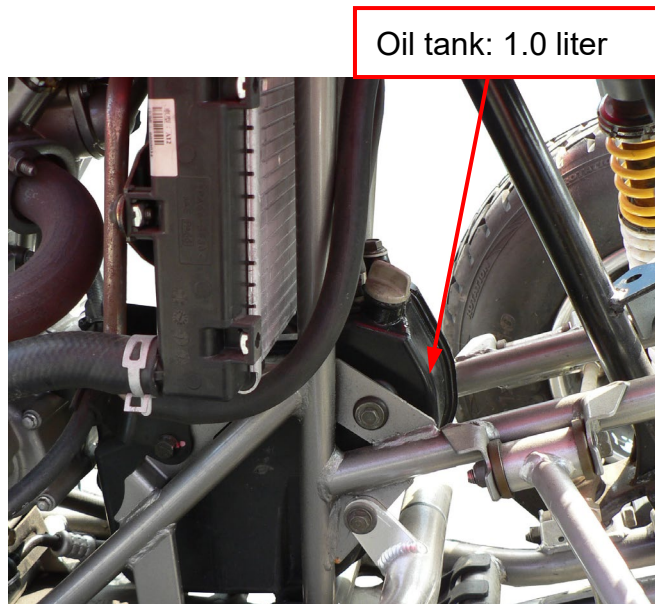
Engine oil grade: **SL** or above certified by **API** (American Petroleum Institute)

Oil capacity:

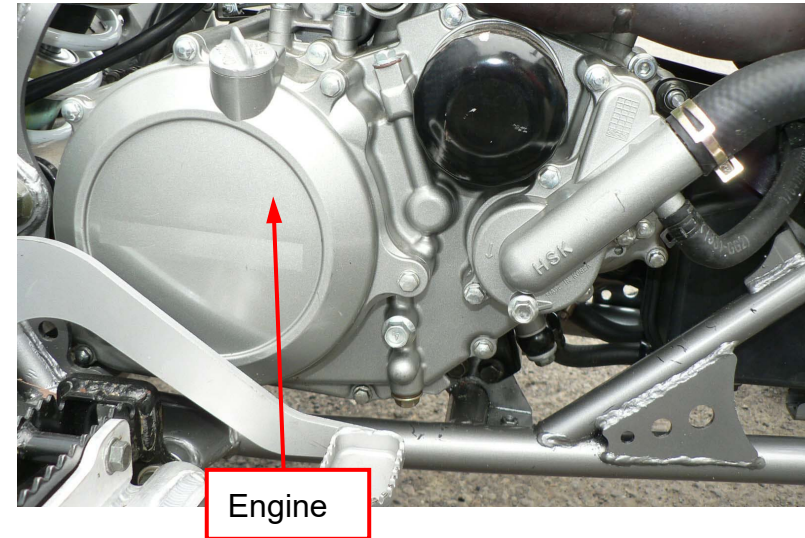
Full capacity: oil tank: 1.0 liter, engine: 1.8 liter

Oil change : oil tank: 1.0 liter, engine: 1.6 liter

Oil and filter change : oil tank: 1.0 liter, engine: 1.7 liter



Oil tank: 1.0 liter



Engine

Note:

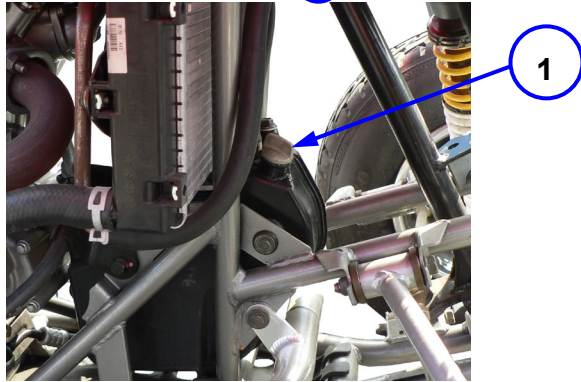
- To prevent using low-grade oil, it is recommended you go to a workshop of the dealer from whom you purchased your **ATV** or the service center for oil change.

■ Engine Oil and filter change

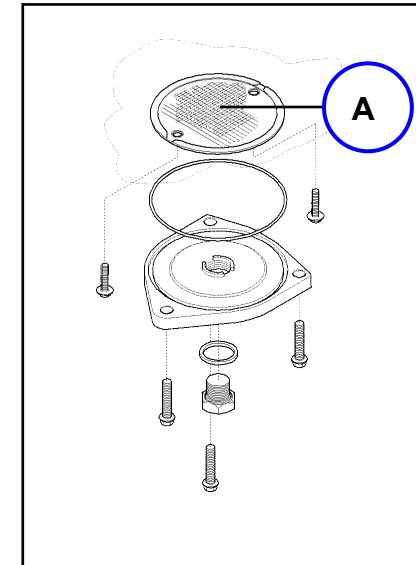
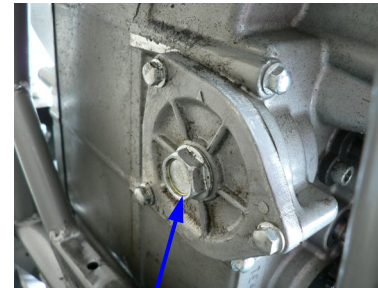
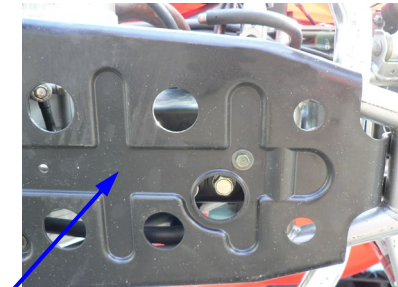
The oil should always be changed when the engine is warm so that the oil will drain thoroughly from the engine.

The procedure is as follows:

1. Place the **ATV** on the level ground.
2. Remove the oil level gauge **1** and engine oil outer cover oil filler cap. **5**



3. Remove the under cover **2**.
4. Place drain pans under the oil tank drain plug **3**, and the crankcase drain plug **4**.
5. Drain the engine oil from the oil tank by removing the oil tank drain plug. **3**



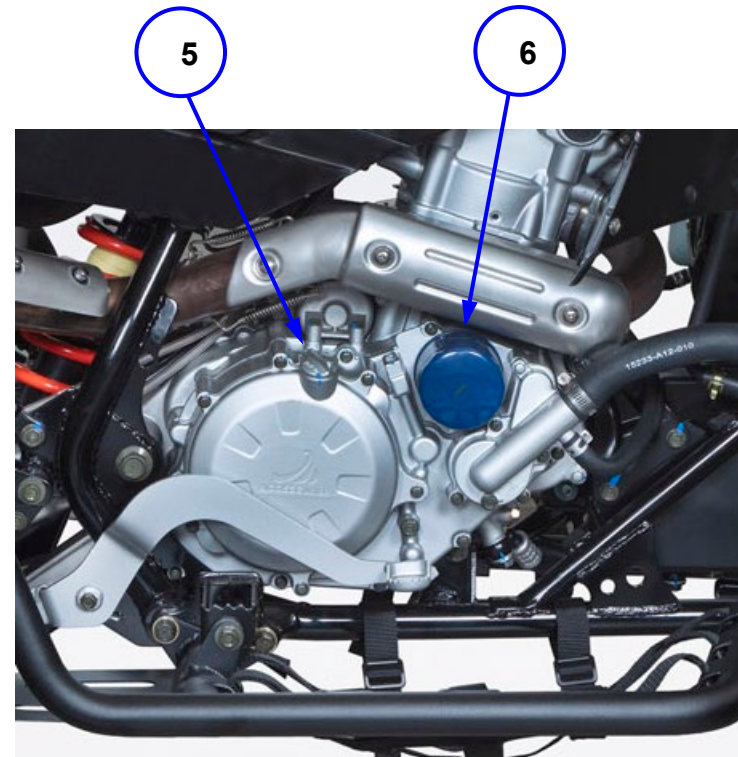
Note:

- Necessarily, confirm and clean the oil strainer **A** when replace the engine oil (specially, when first replacement).

Note:

- To reduce the risk of getting burn, do not change oil when the engine is still very hot.

6. Drain the engine oil from the crankcase by removing the crankcase drain plug. **(4)**
7. Reinstall the oil tank drain plug **(3)** , and the crankcase drain plug **(4)** securely, but do not over tighten them.
8. Loosen the oil filter **(6)** counter-clockwise and remove it with a filter wrench of proper size.
9. Wipe off the mounting surface on the engine where the new oil filter will be seated with a clean rag.
10. Smear a little engine oil around the rubber gasket of the new oil filter.
11. Screw on the new oil filter by hand until the filter gasket contacts the mounting surface (a small resistance will be felt).
12. Pour fresh oil through the filter hole of the oil tank. Approximately 1.0 liter. **(1)**
13. Pour fresh oil through the filter hole of the engine. Approximately 1.7 liter. **(5)**
14. Install the oil level gauge **(1)** of the oil tank and the engine oil outer cover oil filler cap. **(5)**
15. Start the engine and allow it idle for a few minutes. Check to see that no oil is leaking from the oil filter and drain plugs.
16. Check the oil level according to oil level check procedure.



Note:

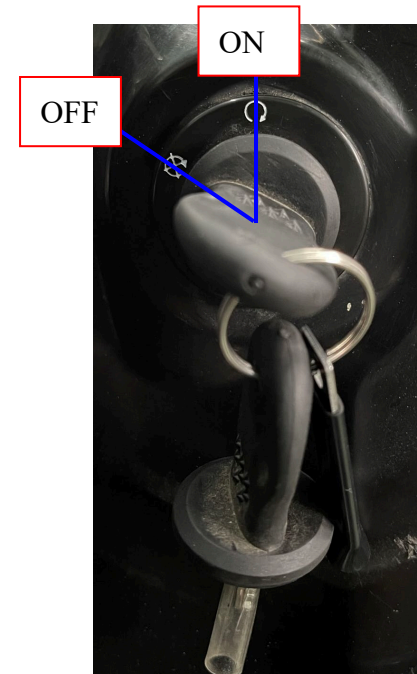
- Oil leaks from around the oil filter or drain plugs indicate incorrect installation or gasket damage.

■ Fuel Check and Refueling

- Refuel Unleaded #92 or 95 as early as possible
- **How to use the fuel cap:**
 1. First stop the engine
 2. Turning the cap clockwise you can open the cap, while turning counterclockwise you can tighten the cap.
 3. When starting the engine, turn the ignition switch from the OFF to ON position.

Notes:

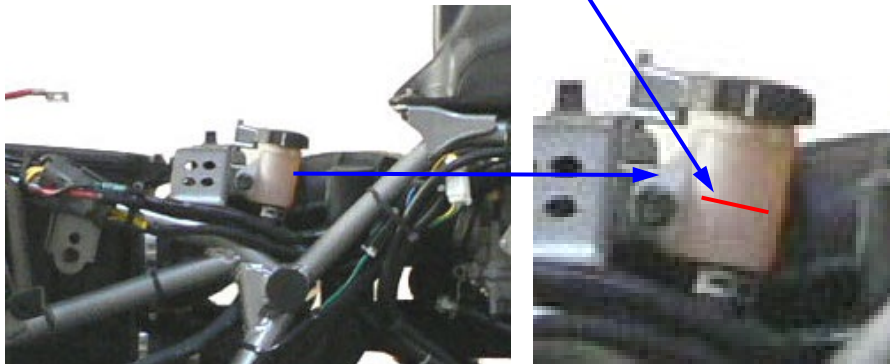
- Smoking is strictly prohibited when refueling the **ATV**.
- Stop the engine before refueling.
- No need to add any additive in fuel when refilling. Addition of any additive may cause engine failure.
- Do not top up fuel to the opening. Otherwise, fuel may spill as it may expand by heat or sunlight and lead to the risk of hazard.
- Turn off your engine when refueling the **ATV**.



■ Front and Rear Brake Fluid Level Check and Refilling

● Brake fluid level check

1. Position the handlebars in the middle. Check front and rear brake fluid levels in the reservoirs. Fluid level should be between upper and lower limits.
2. When the fluid level drops to the lower limit, check the condition of the brake shoe wear.
3. If the brake shoe wear is within the specified limit, then it normally represents that there is leakage in the system. Ride your ATV to the dealer's workshop or service center for inspection.



● Brake fluid refilling

1. Position the handlebars in the middle. Remove two fixing screws on the cover of the brake fluid reservoir, and then take out the cover.
2. Remove the reservoir cap.
3. Refill brake fluid, recommended DOT-4 grade, until it reaches the upper limit.
4. Change brake fluid once a year.

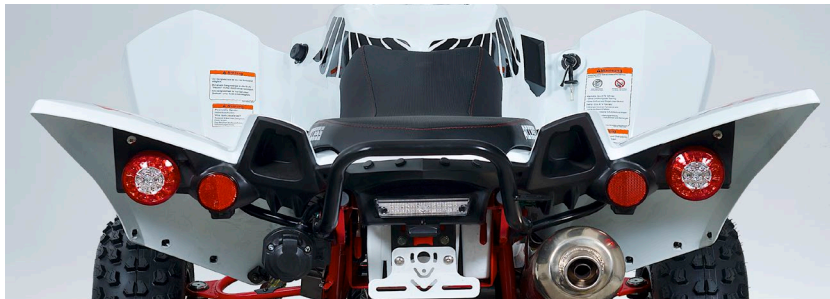
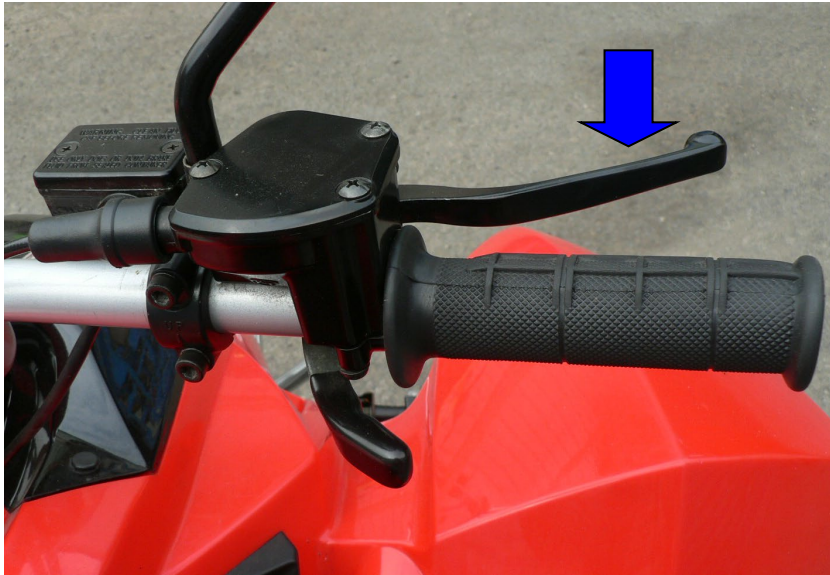


Notes:

- Do not mix brake fluid of different brands or grades, which may lead to brake failure and the risk of hazard.
- When changing brake fluid, cover the painted area with cloth to prevent painted surface from being damaged by brake fluid.

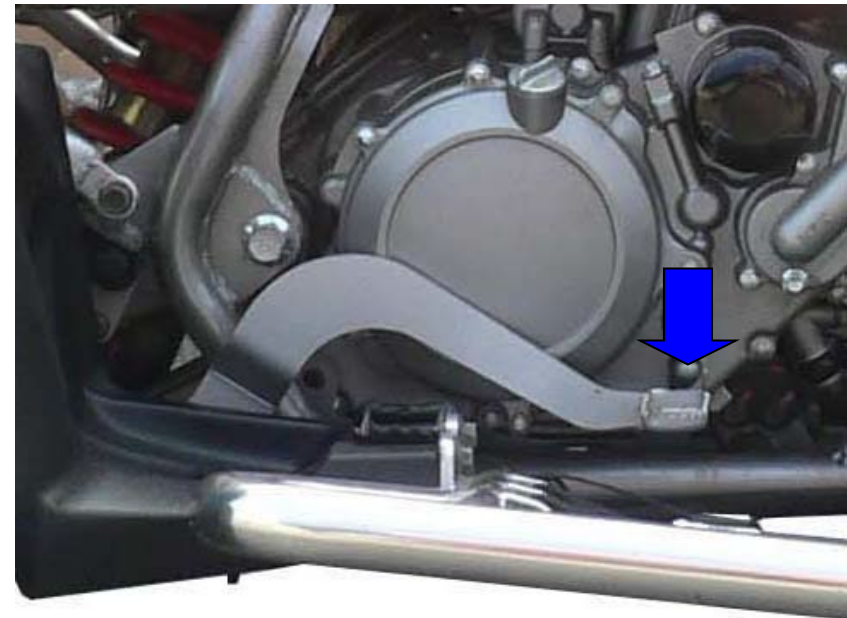
■ Is Brake Performance Good?

- Ride slowly to verify that the front and rear brake performance is good.



■ Brake Light Check

- Turn the ignition switch to the “ON” position.
- The front brake is applied by squeezing the front brake lever gently toward the handle grip. The brake lamp will come on when the lever is squeezed.
- Depressing the rear brake pedal will apply the rear brake. The brake lamp will be illuminated when the rear brake is operated.
- Check that the brake light housing is clean or damaged.



■ Headlight Check

- Turn the ignition switch to "ON" position.
- Operate the headlight switch and check that the high beam, low beam & position illuminates.
- Check that the headlight housing is clean or damaged.

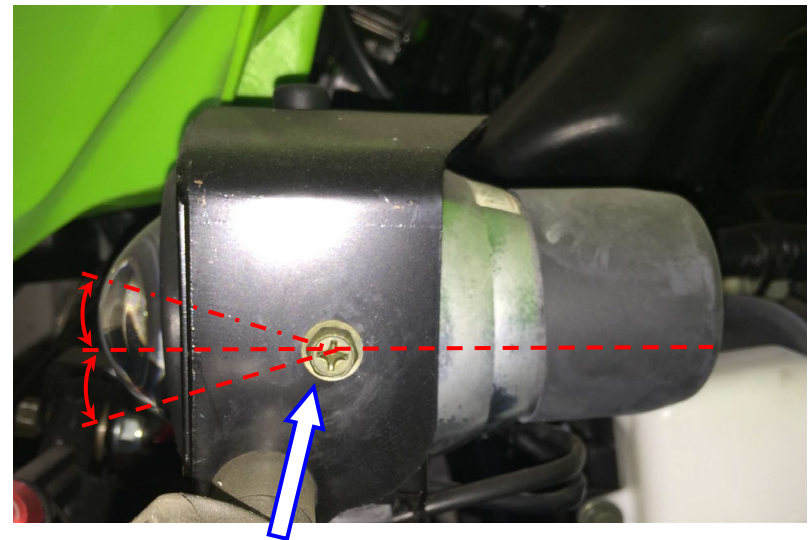


■ Headlight Beaming Distance Adjustment

- Headlight's beaming distance is adjustable.

How to adjust it:

- * Turn on the ignition switch and also turn on the headlight switch.
- * Loosen the bolt and then Adjust the illumination angle of the luminaire to change the distance of the illumination and tighten the bolt



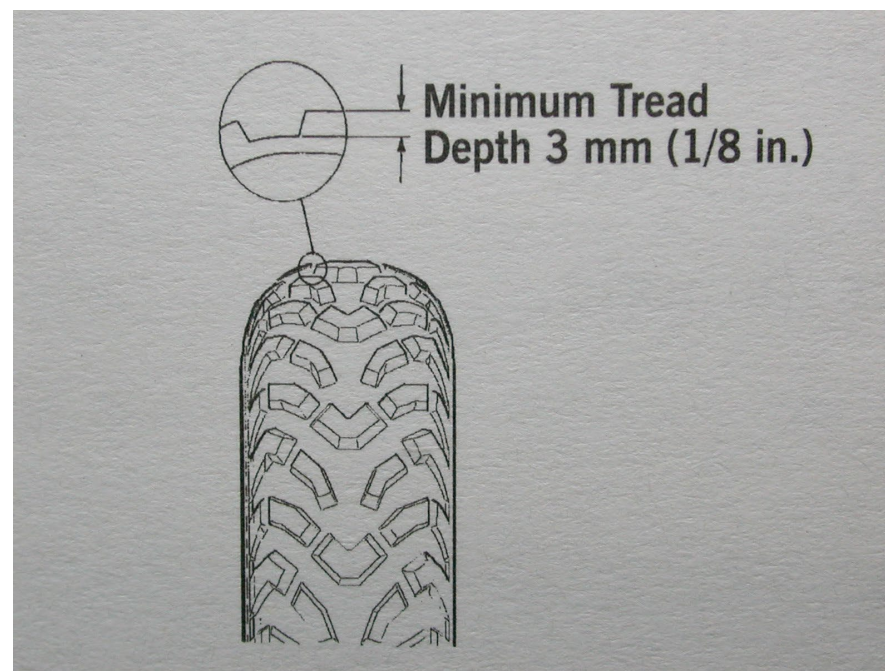
■ Tire Check

- Is tire pressure OK?
- See the following table when checking tire pressure.

	Recommended standard value	Lower limit	Upper limit
Front wheel	4. 28 kgf/cm ² 3.92 PSI	0.25 kgf/cm ² 3.5 PSI	0.35 kgf/cm ² 5 PSI
Rear wheel	0.28 kgf/cm ² 3.92 PSI	0.25 kgf/cm ² 3.5 PSI	0.35 kgf/cm ² 5 PSI



- If metal chips or small stones are found in tire grooves, remove them before riding.
- If tire crack is found or tire wear exceeds the prescribed limit, immediately change the tire.
- If tire groove depth is less than 3mm, immediately change the tire.



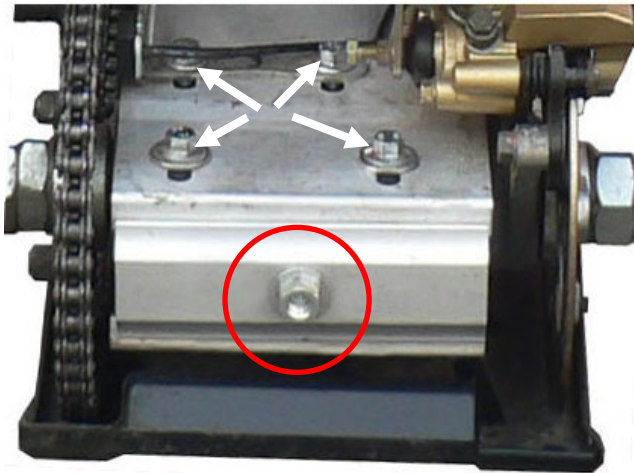
■ Front And Rear Shock Absorber Check

Put your weight on the handlebars and rear hand rest and shake them upward/downward to check that the shock absorbers are OK.



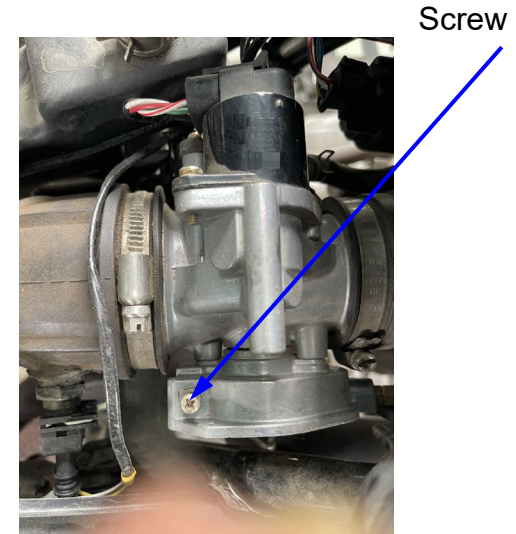
■ Transmission Chain Check and Adjustment

- The chain between two sprockets should have 3 cm clearance.
- **How to adjust:**
 1. Loosen the fixing bolt of the rear wheel hub. Use a screwdriver to hold the rear wheel hub and the ride sprocket so that the **ATV** will not move.
 2. While pushing the **ATV** forward will loosen the chain, pulling backward will tighten the chain. Adjust the chain until it has reached 3 cm clearance for upper and lower chain.
 3. Tighten the fixing bolt again.



■ Idle Speed Adjustment

- **to adjustment idle speed :**
 1. Start the engine and warm it up.
 2. Turn the throttle stop screw in or out so that the engine idle at 1700 rpm.

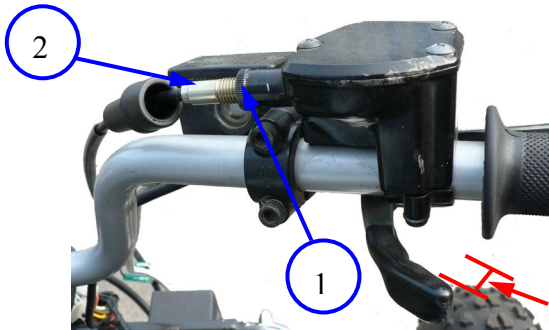


Notes :

- An idle that is too high can cause the **ATV** to lurch forward when you shift to first gear. This may cause an accident. Excessive engine wear may also result if idle speed is adjusted improperly or when the engine is not fully warmed up.
- Adjust the idle to the correct speed. Make sure the engine is fully warm before adjusting the idle speed.

■ Throttle Cable Adjustment

- Measure the throttle cable play by pressing the throttle lever.
- The throttle lever should have **3.0~5.0 mm (0.12~0.20 in)** play.
- To adjust the throttle cable play :
 1. Loosen the lock nut **1** .
 2. Turn the adjuster **2** in or out to obtain the correct play.
 3. Tighten the lock nut **1** .
 4. Recheck the throttle lever play. Readjust it if it is not within the correct limits.



Notes :

- Operating the **ATV** with an inadequate throttle cable play can be hazardous.
- Inadequate throttle cable play can cause engine speed to rise suddenly when you turn the handlebars. This can lead to loss of rider control.
- Adjust the throttle cable play so that engine idle speed does not rise due to handlebar movement.

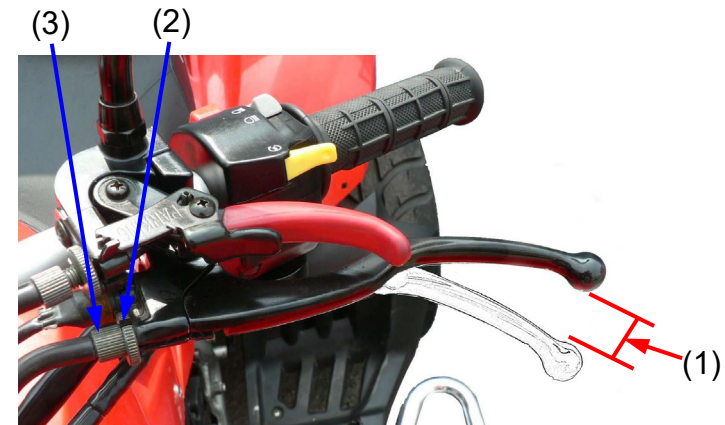
■ Fuel Hose

- Replace the fuel hose every 4years, even if it looks OK. Damage from aging may not always be visible.

■ Clutch Adjustment

- At each maintenance interval, adjust the clutch cable play by means of clutch cable adjuster.
- The cable play should be **10~15 mm (0.4~0.6 in)** as measured at the clutch lever holder before the clutch begins to disengage.
- If you find the play of the clutch incorrect, adjust it in the following way :
 1. A basis adjustment be allowed by the clutch lever adjuster (3).
 2. Loosen the clutch lever adjuster lock nut (2) and turn the clutch lever adjuster (3) in or out to provide the specified play.
 3. After adjustment, tighten the lock nut (2).
 4. If can't adjust by the adjuster (3), Loosen the clutch cable adjuster lock nut (6).
 5. Turn the clutch cable adjuster (5) in or out to provide the specified play.
 6. After adjustment, tighten the clutch cable adjuster lock nut (6).
 7. The clutch cable should be lubricated with a light weight oil whenever it is adjusted.

- (1). The clutch lever play
- (2). The clutch lever adjuster lock nut
- (3). The clutch lever adjuster
- (4). The clutch cable adjuster
- (5). The clutch cable adjuster lock nut



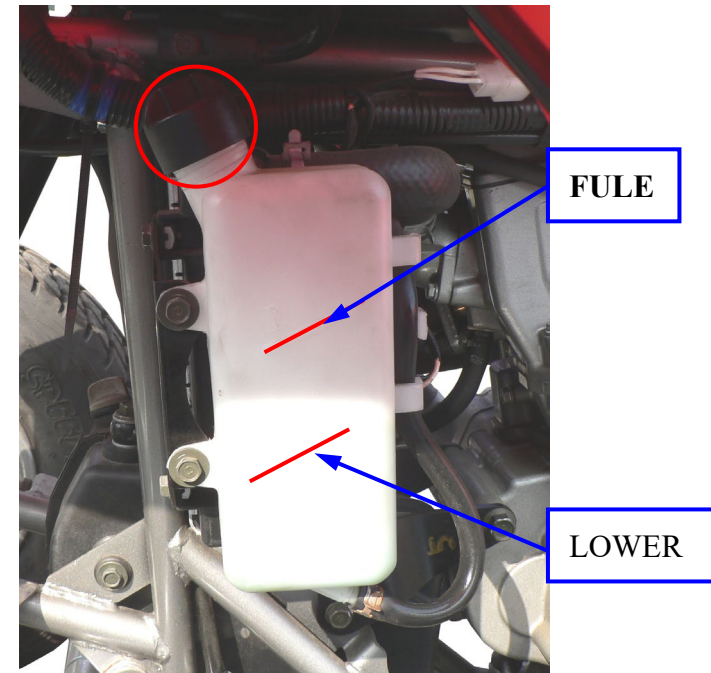
■ To refill coolant, normally do not open the radiator cap when the engine is still hot

1. Park the ATV on a flat surface with stand.
2. Open the Aux Liquid Bottle and refill coolant until the level reaches the upper limit.
 - * If the coolant level drops significantly, it usually represents a problem in the system.
 - * Recommended anti-freeze: Te-she Anti-freeze

Name	Anti-freeze
Prescribed concentration	30%(50% in cold zone)

Concentration and anti-freeze temperature

-12°C: 25%
-15°C: 30%
-24°C: 40%
-35°C: 50%



Notes:

- Use soft water to mix with anti-freeze
- Note that low grade coolant will shorten the radiator service life
- Under normal conditions, coolant should be replaced once a year or every 10000km.

■ Changing Coolant

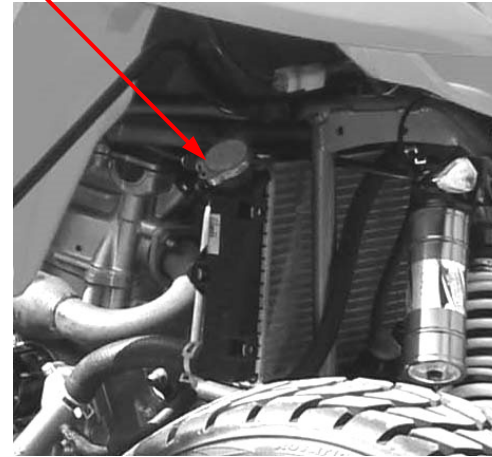
Notes:

- Care should be taken when opening the radiator cap, as coolant may be very hot with high pressure. Steam may cause burn and hazards. Wait until the radiator cools down. Use a piece of cloth to cover the cap and slowly open it.
- In case that coolant drips on the painted surface, immediately rinse it with clean water.

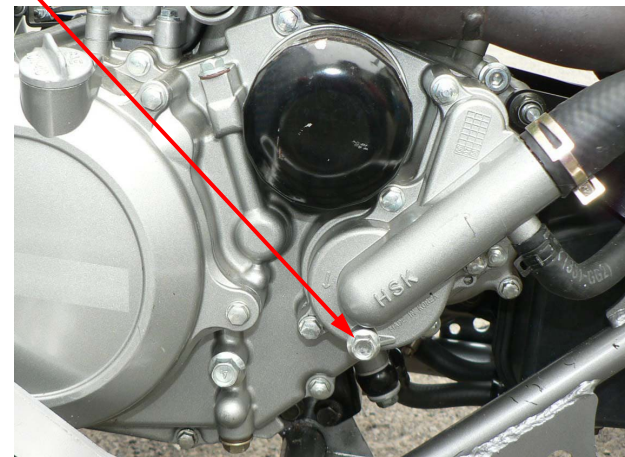
<How to drain coolant>

1. Push downward the radiator cap and turn counterclockwise to open the cap.
2. Remove the draining bolt and let coolant drain out. Tilting the ATV rightward may facilitate coolant to drain faster.
3. Take out the Aux Liquid Bottle and pour out coolant.

Radiator cap



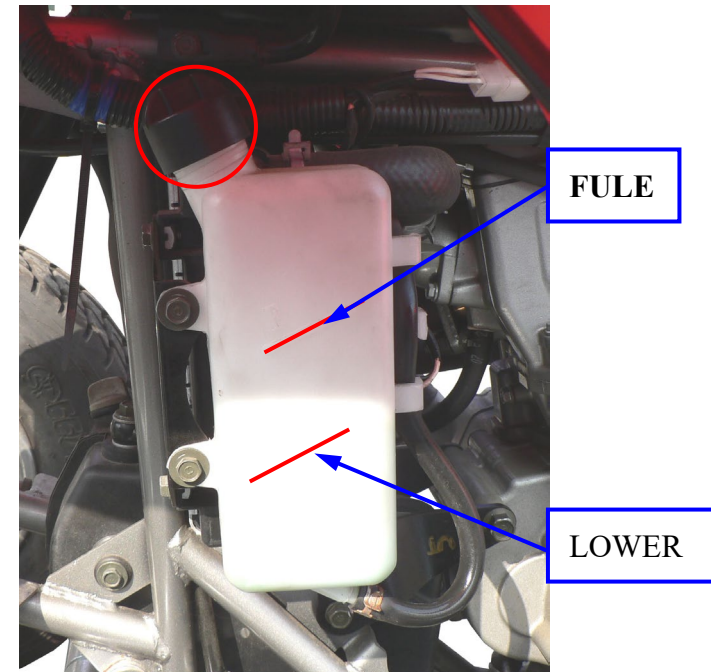
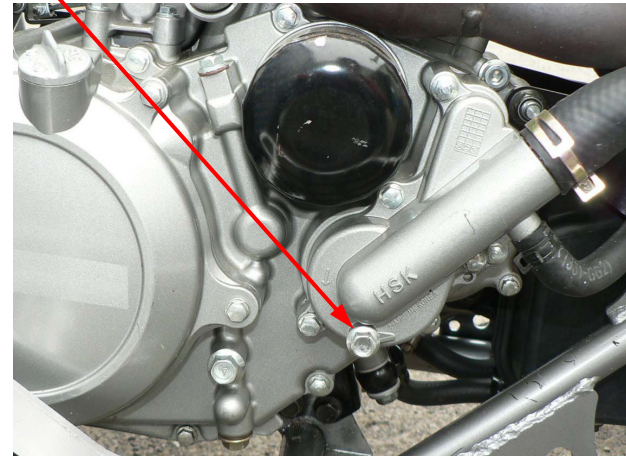
Draining bolt



■ Filling Coolant

1. Position the draining bolt and Aux Liquid Bottle in place.
2. First fill up the radiator and then the Aux Liquid Bottle until the coolant level reaches the upper limit.
3. Ensure that the radiator cap and Aux Liquid Bottle cap are firmly closed
4. Start the engine and let the radiator fan run more than two times. Then stop the engine. (Be sure to wait until the radiator cools down before opening the cap, to avoid getting burnt.)
5. Open the radiator cap and check that coolant level is still at the upper limit, if not, refill coolant and then firmly tighten the cap.
6. Start the engine again and let it run for 1-2 minutes. Open the radiator cap and check that the coolant level is still at the upper limit, if not, refill coolant again. Keep repeating this procedure until coolant level can retain at the upper limit.

Draining bolt



■ How to Replace the Air Cleaner

- A dirty air cleaner is the major causes of engine power drop and high fuel consumption.
- The air cleaner for this model is a wet sponge type. Check and replace the air cleaner every three months.

● How to replace it

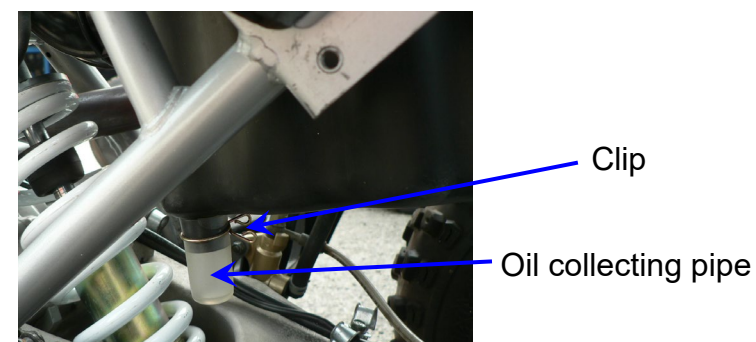
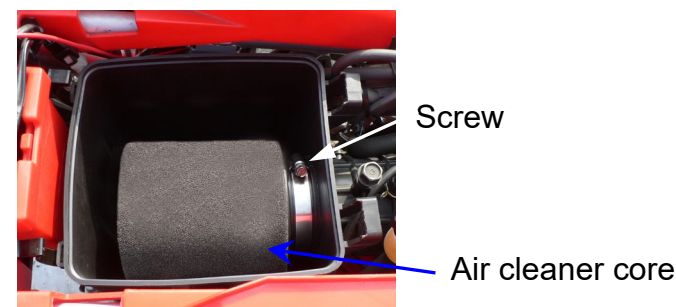
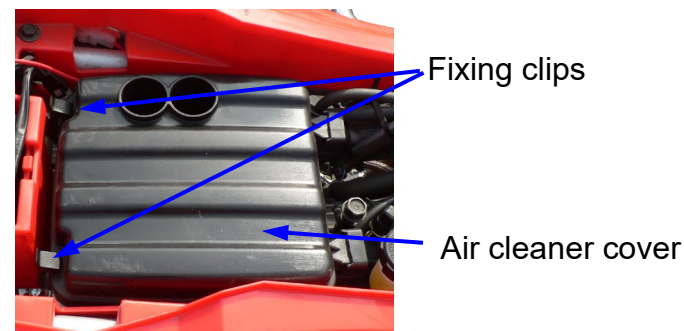
1. Remove the seat
2. Unclip two fixing clips on the air cleaner cover and remove the air cleaner cover .
3. Loosen the screw and take out the cleaner core.
4. Replace the air cleaner core.

● How to mount it

To mount it, take the reverse steps as above for replacing it.

Notes:

- If the air cleaner is not mounted correctly, dirt/dust may directly be drawn in the cylinder, causing engine wear, power drop and resulting in shorter engine life.
- Do not wet the air cleaner when washing the ATV. Wet air cleaner may cause the engine to be difficult to start.
- Check and replace the air cleaner at a shorter period under the following conditions:
 1. Often riding in rain
 2. Often riding on the dusty road surface.



※Regularly drain off the accumulated oil in the oil collecting pipe under the air cleaner. Do not let accumulated oil exceed two-thirds of the pipe length.

■ Spark Plug Check

Dirty pole or too wide a gap will cause incomplete sparking.

- **How to clean it**

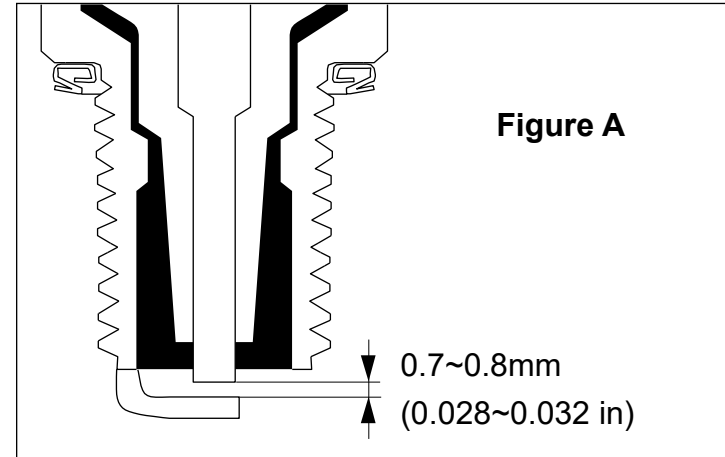
1. Ideally, use a spark plug cleaner to clean it.
2. Or, use a needle brush to clean it.

- **Adjustment**

1. The gap between two poles normally is 0.7-0.8 mm as shown in **Figure A**.

* Your **ATV** comes equipped with a **CR8E** spark plug.

* Do not use a spark plug other than a recommended one.



Plug



Note:

- When the engine stops, it is still very hot. Be careful not to get burnt.
- First put the spark plug with hand tight, and then tighten it using a spark plug spanner.
- An overly tight or cross threaded plug will damage the aluminum threads of the cylinder head.

■ Simple Maintenance

- If check results show that cleaning, adjustment and replacement are required. Conduct those operations in accordance with the description in the regular check record.

Notes:

Ensure safety when serving the **ATV**:

- Use suitable tools.
- Make preparation while the engine stops.
- When the engine stops, the engine and exhaust pipe are still very hot. Care should be taken to avoid getting burnt.

■ When Failure Occurs

If ATV experiences a malfunction during use, please take it to a dealer or service center for inspection.

■ If The Engine Stops

If the engine stops during riding, first check the following;

- * Is fuel available?
- * The way to start the engine is correct.
- * Any failure occurs on other part.

■ MAINTENANCE SCHEDULE

- For ATVs not equipped with an odometer or an hour meter, follow the month maintenance intervals.
- For ATVs equipped with an odometer or an hour meter, follow the km (mi) or hours maintenance intervals. However, keep in mind that if the ATV isn't used for a long period of time, the month maintenance intervals should be followed.
- Items marked with an asterisk should be performed by a dealer as they require special tools, data and technical skills.

ITEM	CHECK OR MAINTENANCE JOB	WHICHEVER COMES FIRST		INITIAL		EVERY	
			mi	200	600	600	1200
			km	300	1000	1000	2000
			MONTH	1	3	3	6
Engine oil	● Replace (Warm engine before draining)		○	○	○	○	
Engine oil filter cartridge	● Replace		○	○	○	○	
★ Clutch	● Check operation/Adjust if necessary.		○			○	
Spark plug	● Check condition. ● Adjust gap and clean. ● Replace if necessary.		○	○	○	○	
Coolant	● Check coolant leakage. ● Replace if necessary.		○	○	○	○	
	● Replace coolant		Every 24 months.				
Battery	● Check specific gravity. ● Check breather hose for proper operation. ● Correct if necessary.		○	○	○	○	
Spark arrester	● Clean			○	○	○	
Air filter element (for engine and *V-belt compartment)	● Clean. ● Replace if necessary.		Every 20~40 hours (150~300km, 100~200 mi) (More often in wet or dusty areas.)				
★ Carburetor	● Check idle speed/starter operation.and adjust if necessary		○	○	○	○	
★ Cylinder head cover breather system	● Check breather hose for cracks or damage. ● Replace if necessary.			○	○	○	
Exhaust system	● Check leakage. ● Retighten if necessary. ● Replace gasket if necessary.				○	○	
Fuel line	● Check fuel hose for cracks or damage, and replace if necessary.				○	○	

ITEM	CHECK OR MAINTENANCE JOB	WHICHEVER COMES FIRST	INITIAL		EVERY		
			mi	200	600	600	1200
			km	300	1000	1000	2000
			MONTH	1	3	3	6
★ V-belt	● Check operation. ● Replace if damage or excessive wear.		○	○	○	○	
★ Valves	● Check valve clearance. ● Adjust if necessary.		○	○	○	○	
Brake	● Check operation and correct. ● Check fluid level and ATV for fluid leakage..		○	○	○	○	
	● Replace brake pads.		Whenever worn to the limit				
★ Brake hose	● Check for cracks or other damage. ● Replace if necessary.			○	○	○	
	● Replace		Every 4 years.				
Wheels	● Check balance/damage/ runout. ● Replace if necessary.		○	○	○	○	
★ Wheel bearings	● Check bearing assembly for looseness/damage. ● Replace if damaged.		○	○	○	○	
★ Tire	● Check tread depth and for damage,and replace if necessary. ● Check air pressure and balance,and correct if necessary.		○	○	○	○	
Knuckle pivots and shafts Steering shaft	● Lubricate with lithium-soap-based grease.				○	○	
★ Axle boots	● Check for cracks or other damage. ● Replace brake pad if necessary.		○	○	○	○	
Moving parts and cables	● Lubricate				○	○	
Drive select lever safety system cable	● Check operation and adjust or replace if necessary.				○	○	
★ Throttle lever housing and cable	● Check operation and correct if necessary. ● Check throttle cable free play and adjust or replace if necessary. ● Lubricate throttle lever housing and cable.		○	○	○	○	
Steering system	● Check operation. ● Replace if damaged. ● Check toe-in. ● Adjust if necessary.		○	○	○	○	
★ Drive shaft universal joint	● Lubricate with lithium-soap-based grease.			○	○	○	
Upper and lower arm pivots	● Lubricate with lithium-soap-based grease.			○	○	○	
Chassis fasteners	● Make sure that all nuts, bolts, and screws are properly tightened.		○	○	○	○	
★ Shock absorber assemblies	● Check operation and correct if necessary. ● Check for oil leakage and replace if necessary.			○	○	○	
★ Stabilizer bushes	● Check for cracks or other damage. ● Replace brake pad if necessary.			○	○	○	
★ Fittings and Fasteners	● Check all chassis fittings and fasteners. ● Correct if necessary.		○	○	○	○	

ITEM	CHECK OR MAINTENANCE JOB	WHICHEVER COMES FIRST	INITIAL		EVERY		
			mi	200	600	600	1200
			km	300	1000	1000	2000
			MONTH	1	3	3	6
Front and rear brake switches	● Check operation and correct if necessary.		○	○	○	○	
Lights and switches	● Check operation and correct if necessary. ● Adjust headlight beams.		○	○	○	○	

Notes :

- In the interest of safety, we recommend with an asterisk these items should be serviced only by an authorized Access Motor dealer.
- The air filter needs more frequent service if you are riding in unusually wet or dusty areas.
- Hydraulic brake service
 - * Regularly check and, if necessary, correct the brake fluid level.
 - * Every two years replace the internal components of the brake master cylinders and calipers, and change the brake fluid.
 - * Replace the brake hoses every four years and if cracked or damaged.

■ Battery Electrolyte Check

1. The battery for this model is a servicing-free type without need of refilling battery electrolyte.
 2. Battery stud terminal
Remove the seat before cleaning the battery stud terminals.
- ※ If the stud terminal becomes corroded, remove the battery and clean it thoroughly.
- ※ After cleaning the stud, you may apply a thin layer of grease or Vaseline. Then, position the battery in place and attach the connecting wires.

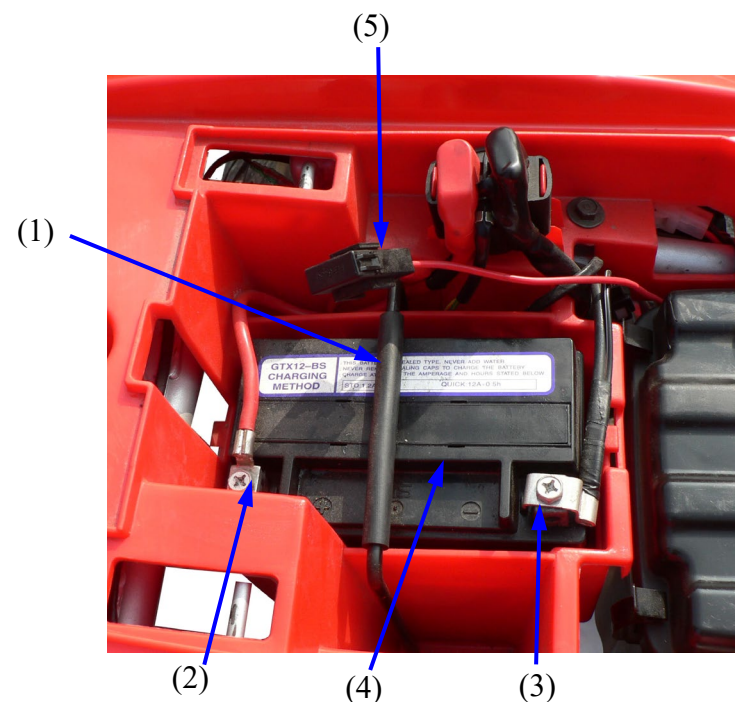
Notes:

- Do not open the cover of the enclosed battery that contains battery electrolyte
- If the ATV has not been used for a long period of time, the battery may have discharged and reduced its power. In this case, remove the battery and recharge it to its full power and then put it in a cool and well-ventilated place.
- If the ATV will not be used for a long period of time, Remove the connecting wire at the negative pole.

Notes:

- While removing or mounting the battery, do not allow flammable gas to get close.
- To remove the battery, first turn off the ignition switch. Then first detach the negative(-) connecting wire. However, to connect the battery, first attach the positive(+) wire and then the negative(-) wire.
- If the terminal screw becomes loose, tighten it firmly.

- (1) Fixing Bracket, Battery (2) Positive (3) Negative
(4) Fuse box (5) Battery



■ Replacing the Fuse

- Turn off the ignition switch and check if the fuse is blown.
- When replacing the fuse, always get a fuse of the specified rating.
 - * Before replacing the fuse, first find out why it is blown.
 - * Remove the seat
 - * The fuse is located behind the battery
 - * To remove the fuse:

Open the fuse box and take out the blown fuse.

If the fuse is not well in contact, it will create heat and easily leads to circuit failure.

- * To assemble it:

Insert the fuse in the holder and position the cover back in place.

Be sure to gently pull the fuse to ascertain that the fuse has good contact. A loose fuse will generate heat.

Fuse rating: **15A**

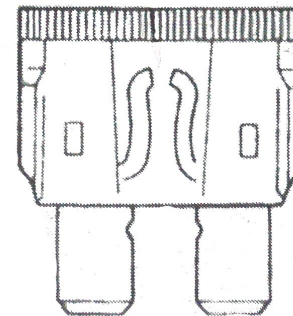


FUSE BOX

- * To replace the battery (lamps), use only the original components of the prescribed specification.
- * If components are not original or out of specification, the fuse can easily be blown, and the battery will not be in balanced status.
- * When washing the ATV, do not wash it with high-pressure water jet.

Notes:

- To remove the fuse:
Care should be taken when removing the fuse, as its holder is very small. If the fuse does not have good contact after opening the cover, it may generate heat and lead to circuit failure.
- To assemble the fuse:
Insert the fuse in its holder.
Be sure to gently pull the fuse to ascertain that the fuse is well in contact. A loose fuse will generate heat.

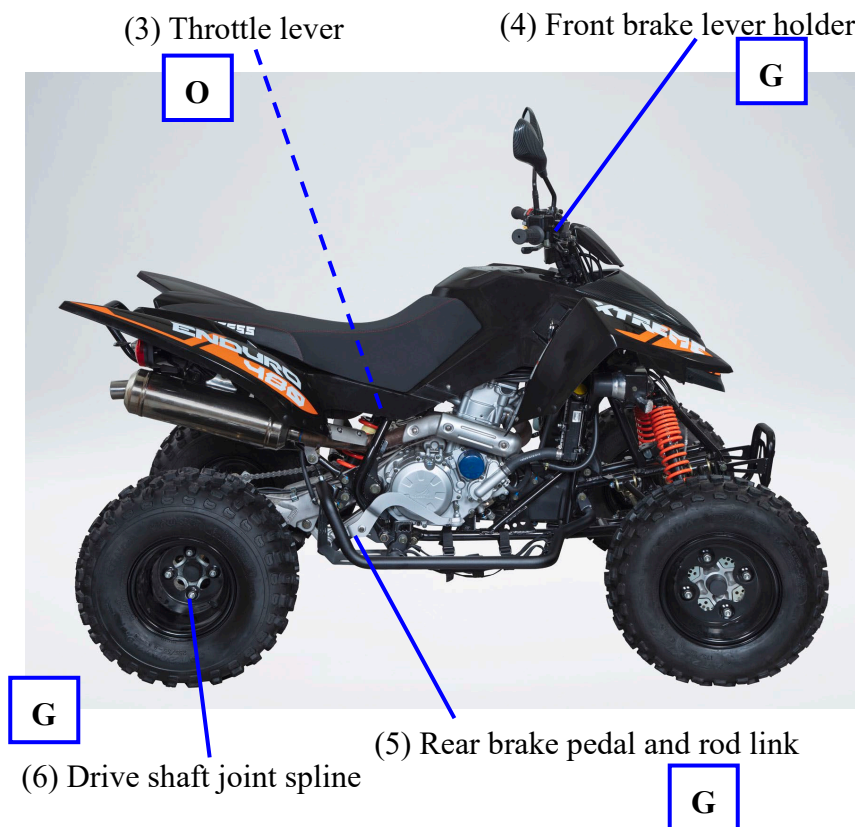
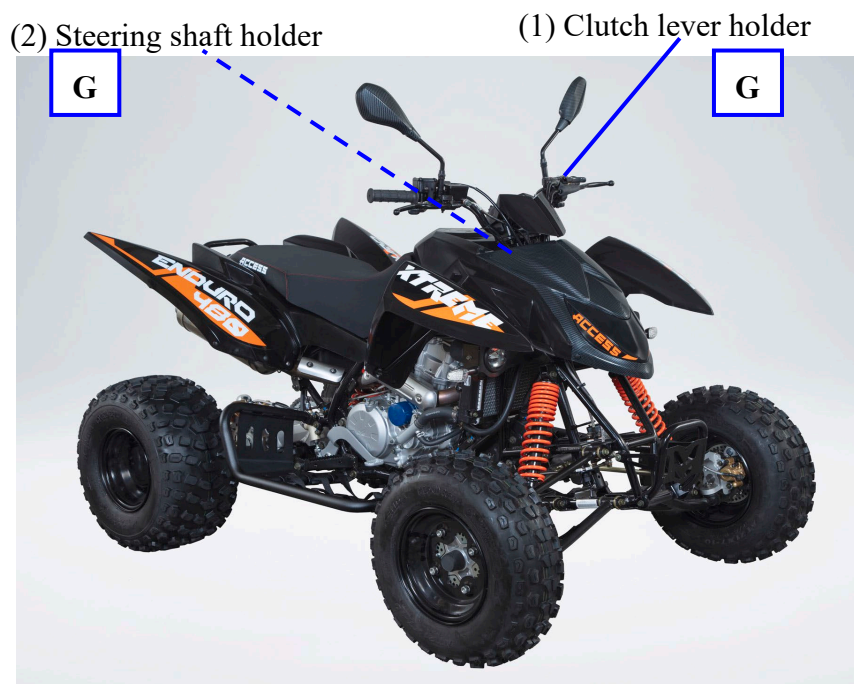


■ Lubricating Each Part of the ATV

- ⦿ Visually check that all parts that need lubrication are sufficiently lubricated.
- ⦿ Proper lubrication is important for safe, smooth operation and long life of your **ATV**. Be sure that all lubrication is performed during periodic maintenance on the **ATV**. Shorten intervals when you use your **ATV** in severe conditions.
- ⦿ Should lubricate part including wheel bearing, rear axle housing, swing arm bearing, steering shaft, etc.

O : MOTOR OIL

G : GREASE



■ Specifications

◎ Dimensions and dry mass

Overall length	1870 mm (73.6 in)
Overall width	1230 mm (48.4 in)
Overall height	1150 mm (45.3 in)
Wheelbase	1270 mm (50 in)
Ground clearance	265 mm (10.4 in)
Mass	229 kg (505 lbs)

◎ Engine

Type	Four-stroke, DOHC, Liquid-cooled
Number of cylinder	1 cylinder
Bore	96mm(3.78 in)
Stroke	62mm(2.44 in)
Piston displacement	448.8 cm ³ (27.4 in ³)
Fuel Delivery	Fuel Injection (FI), 42mm
Starter system	ELECTRIC STARTER

◎ Transmission

Clutch	Wet multi-plate type
Final reduction	3.143
Drive chain	CYC 520
Transmission	1 st : 2.538
	2 nd : 1.684
	3 rd : 1.261
	4 th : 1.040
	5 th : 0.885
	Reverse : 2.231

◎ Chassis

Front suspension	Independent, double A-arm, coil spring, oil damped
Rear suspension	Linkage-type, coil spring, oil damped
Front tire size	21*7/10
Rear tire size	20*11/9
Front brake	Disk
Rear brake	Disk

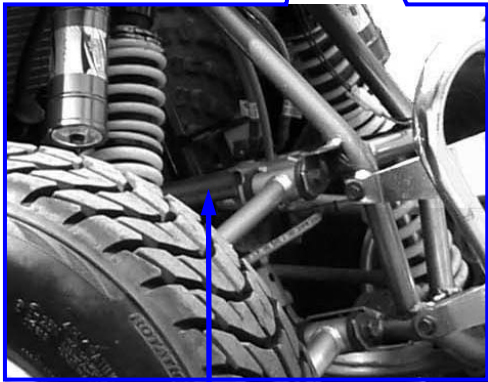
◎ Electrical

Ignition type	16-Bit ECU
Ignition timing	6° B.T.D.C. at 1500rpm
Spark plug	CR8E
Battery	12V10AH
Fuse	15A
Head lamp	HI / LO 12V-35W
Position lamp	12V-5W
Turn signal lamp	LED type (0.82W)
Brake / Tail lamp	LED type (4.2W/2.2W)
Speedometer lamp	LCD type

◎ Capacities

Fuel tank	14 L
Engine oil	2,600 ml(Replace) 2,700 ml(Oil filter replace) 2,800 ml(Overhaul)

■ Serial number location



Frame serial number



Engine serial number