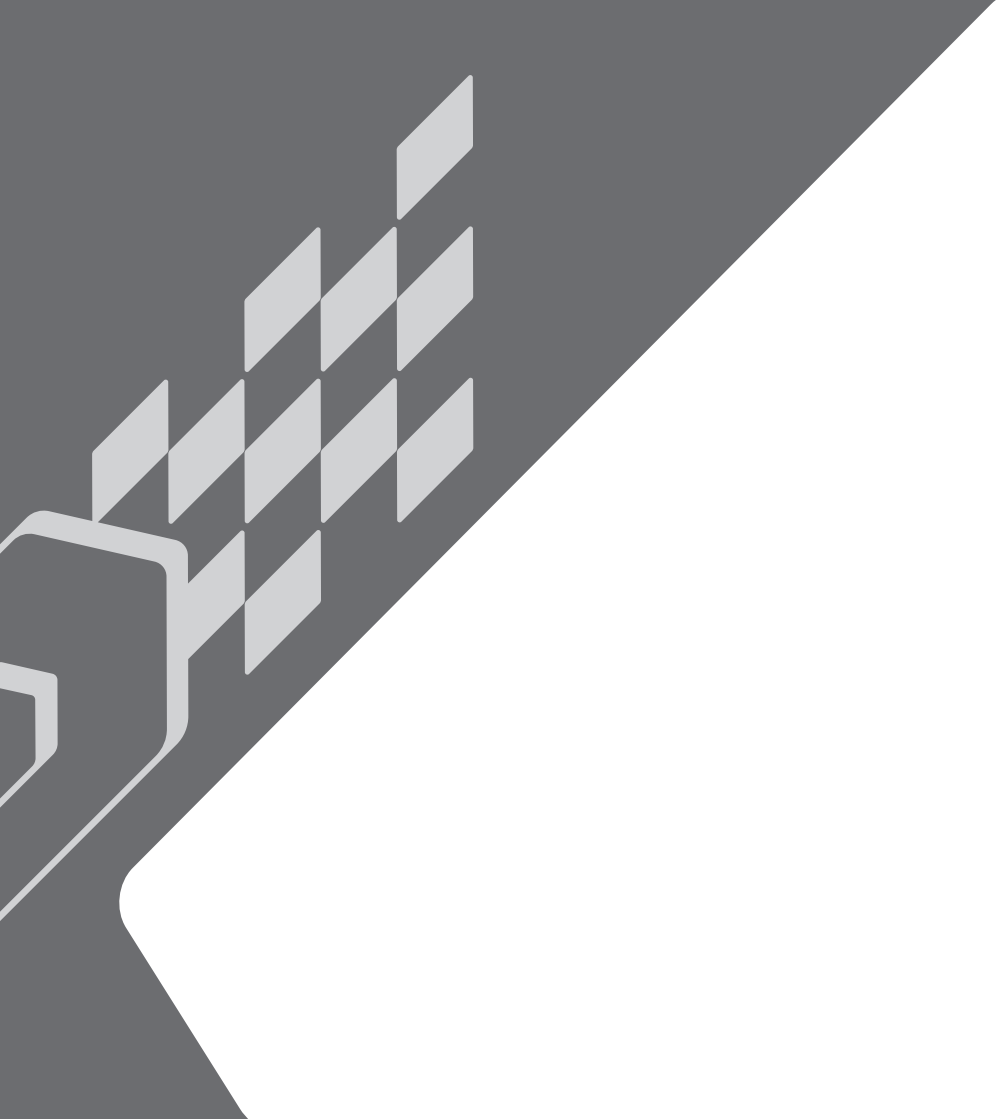
All Terrain Vehicle

OWNER'S MANUAL

SFA 600 ATV

Please read this manual carefully before using the product
Especially for the content related to safe riding
Individuals under the age of 16 are prohibited from driving this vehicle
Children under the age of 12 are prohibited from riding this vehicle



Foreword

Dear users,

Thank you for purchasing QJMOTOR SFA 600 ATV. It will provide convenience for your work and life so that you can enjoy the pleasure of riding.

We will bring you a new driving experience with excellent service.

Please carefully read this User Manual before driving ATV and strictly follow the warnings and precautions in the User Manual in order to ensure your personal and property safety, and improve the safety and comfort during driving.

This User Manual is part of ATV and should be delivered with the vehicle to the new owner when reselling the vehicle.

This User Manual contains the latest production information during printing. OJMOTOR has always pursued the quality policy of "improvement, further improvement, and continuous improvement", and is committed to continuously improving product quality and performance. This may result in changes in appearance, color, structure, etc., which may differ from the content of this User Manual. We apologize for any inconvenience caused. The pictures in this User Manual are for reference only, and the specific style is subject to the real object.

To download the latest version of the User Manual, please log in https://www.qjmotor.com/, or consult an authorized dealer to obtain. Or call 4007-000-555 to contact our company

Please do not use ATV without understanding its performance. Illegal modification of motorcycles is prohibited.

Zhejiang Qianjiang Motorcycle Co., Ltd.

First edition, March 2024

Notices for Owners

Congratulations on becoming a member of the QJMOTOR family of Zhejiang Qianjiang Motorcycle Co., Ltd. (hereinafter referred to as QJMOTOR). In this big family, QJMOTOR hopes that every member can feel a sense of satisfaction, and we will work tirelessly to achieve this goal. In order to ensure the safety of you and others, please understand the following before riding the motorcycle:

- The illustrations in this User Manual are based on QJMOTOR SFA 600 ATV model.
- Read this User Manual carefully before use and store it properly after reading.
- Please carefully read and understand all the contents of this manual, and operate according to the instructions.
- The driver must be at least 16 years old, and the passenger must be at least 12 years old.
- Before operating this ATV, please understand the local laws and regulations.
- Drivers must undergo professional driving training and master the driving skills of this vehicle model proficiently. Any customer who purchases ATV can enjoy free training. Please call 4007-000-555 for details.
- Please pay close attention to the warning and caution labels on ATV.
- Illegal modification of motorcycles is strictly prohibited.
- Please observe local laws and regulations when driving this vehicle.

Warning Signs

Your safety and the safety of others are extremely important, and driving this vehicle safely is an important responsibility. To help you make informed decisions about safe riding, we have included relevant information on the safety label and in this User Manual. This information is intended to alert you to potential hazards that may harm you or others.

However, we cannot list all the hazards associated with ATV riding and maintenance. You must use your own judgment.

You will see important safety information in various forms, including:

- Safety label of ATV body.
- The following warning signs:

⚠Danger

It indicates that personal injury or death may occur if the method in this manual is not followed.

⚠Warning

It indicates that if the operation is not carried out according to the method in this manual, it may cause personal injury or damage to the parts.

Attention

Information that helps you avoid damaging ATV, other property, or the environment.

Notes	Provide important information that can be used to simplify or explain operating procedures.

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1. Vehicle Information

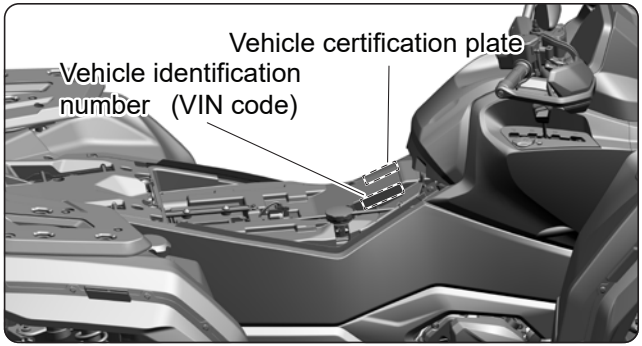
The vehicle identification number is unique and used to identify your vehicle.

This information is required for registration of ATV, and authorized dealers may also need this information when you order or replace parts.

You can refer to the location shown in the following diagram to inquire about the information of the vehicle you have purchased.

Please record the vehicle identification number and engine number in the blank space below.

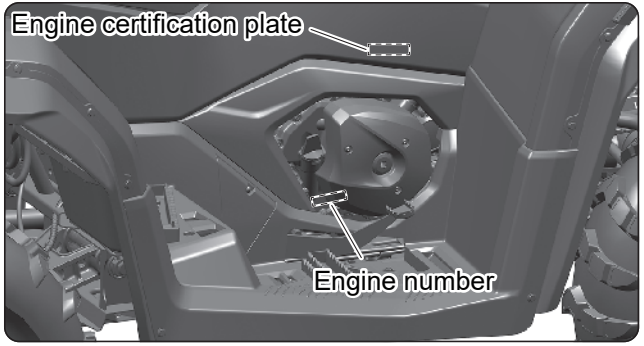
1.1 Vehicle identification number



Notes	The vehicle identification number is located below the driver's seat cushion as shown in the diagram, and can be viewed after removing the driver's seat cushion.

Vehicle identification number:	

1.2 Engine number



Notes	The engine number is located on the right side of the vehicle as shown in the diagram.

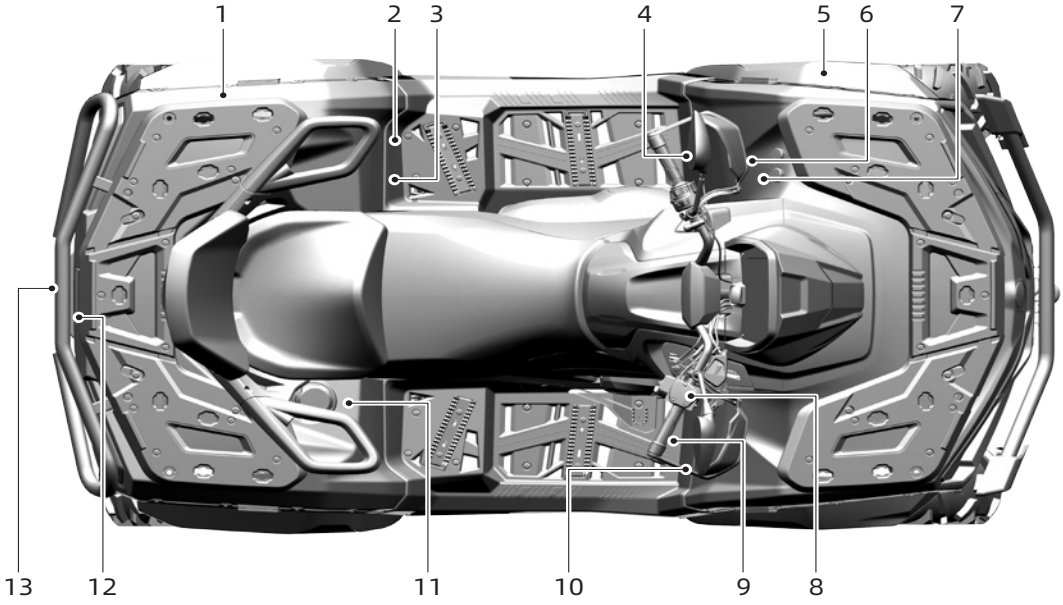
Engine No.:	

2. Label Position

2.1 Safety label

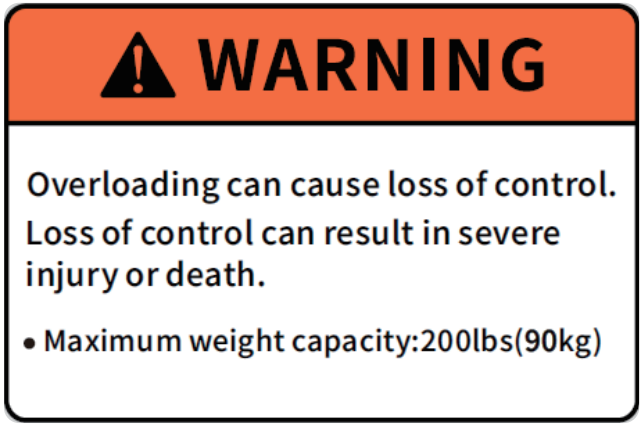
Please read and understand all safety labels on ATV. These labels contain important information for safe and correct operation.

Do not remove any labels from the ATV. If the label becomes difficult to read or falls off, please contact the authorized dealer of OJMOTOR to replace the label.



Label Position

1



2

Label Position

3

⚠ WARNING

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

Front:**6.5** psi(**45** kPa)

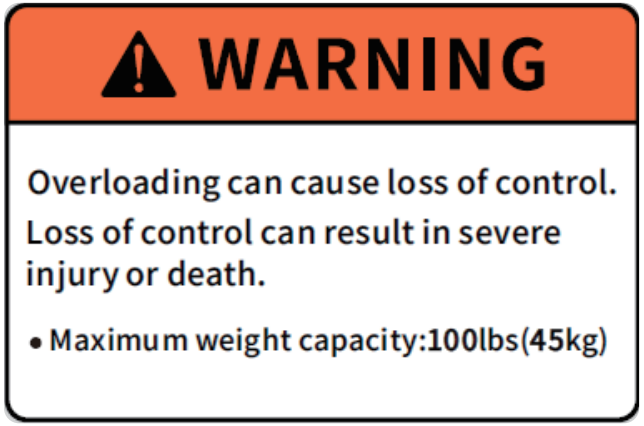
Rear:**6.5**psi(**45** kPa)

Maximum weight capacity: 640 lbs(290kg)

4

Label Position

5



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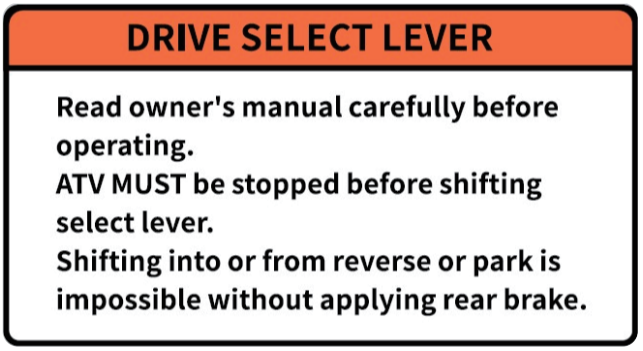

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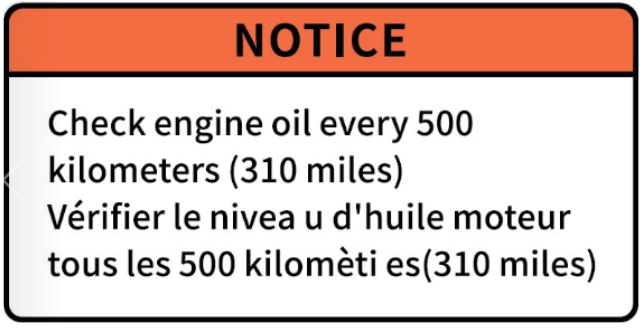


Label Position

8

⚠ WARNING

Turning the vehicle in 4WD-LOCK("DIFF.LOCK")takes more effort.

Operate at a slow speed and allow extra time and distance for maneuvers to avoid loss of control.

9

⚠ WARNING

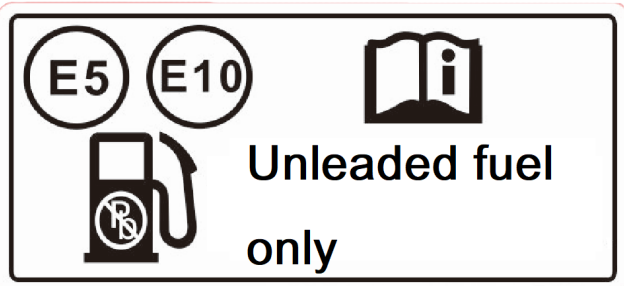
Operating this ATV if you are under the age of 16 increases the chances of severe injury or death to both operator and passenger.

NEVER operate this vehicle if you are under age **16.**

Label Position

10

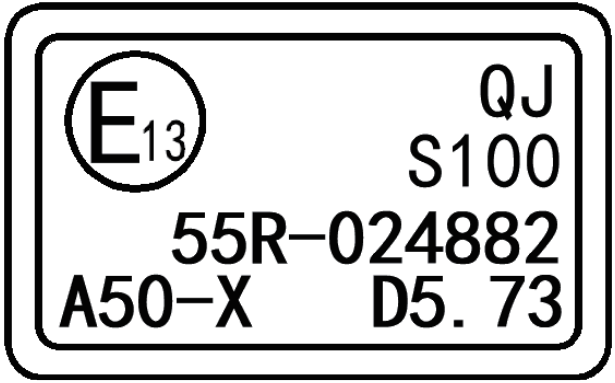
11



Label Position

12

13



3. Safety Information

ATV is not a toy, so there may be danger during operation.

ATV operates differently from other modes of transportation such as motorcycles and cars. If proper preventive measures are not taken, accidents such as collisions and rollovers may occur quickly even during daily operations such as turning, driving on slopes, or crossing obstacles.

Failure to follow the following instructions may result in serious injury or death to personnel.

- Please carefully read this manual and all labels, and operate according to the instructions.
- Do not operate ATV without proper training and guidance. **Please attend appropriate training courses.** Beginners must receive training as certified instructors. Please consult an authorized dealer for information on nearby training courses.
- Individuals under the age of 16 are not allowed to drive ATV with engine displacement exceeding 90cc.
- Individuals under the age of 16 are not allowed to drive this ATV.
- Do not exceed the passenger capacity limit of this ATV.
- Do not use ATV without wearing certified and correct motorcycle helmets. In addition, wear eye protection articles (goggles or mask), gloves, boots, a long-sleeved shirt or jacket, and long pants.
- Do not drink alcohol or take drugs before or during the operation of this ATV. Alcohol and drugs can slow down your judgment and reaction time.
- Please drive ATV according to your own technical level and driving conditions, and do not drive over the speed limit. Always drive at a speed appropriate for the terrain, visibility, operating conditions, and experience.
- Never attempt skids, jumps, tail wags, or other stunts.
- Always check your ATV every time you use it to make sure it is in safe working condition. Please follow the inspection and maintenance steps in this manual for operation.
- Always keep your hands on the handlebars and your feet on the pedals while driving.

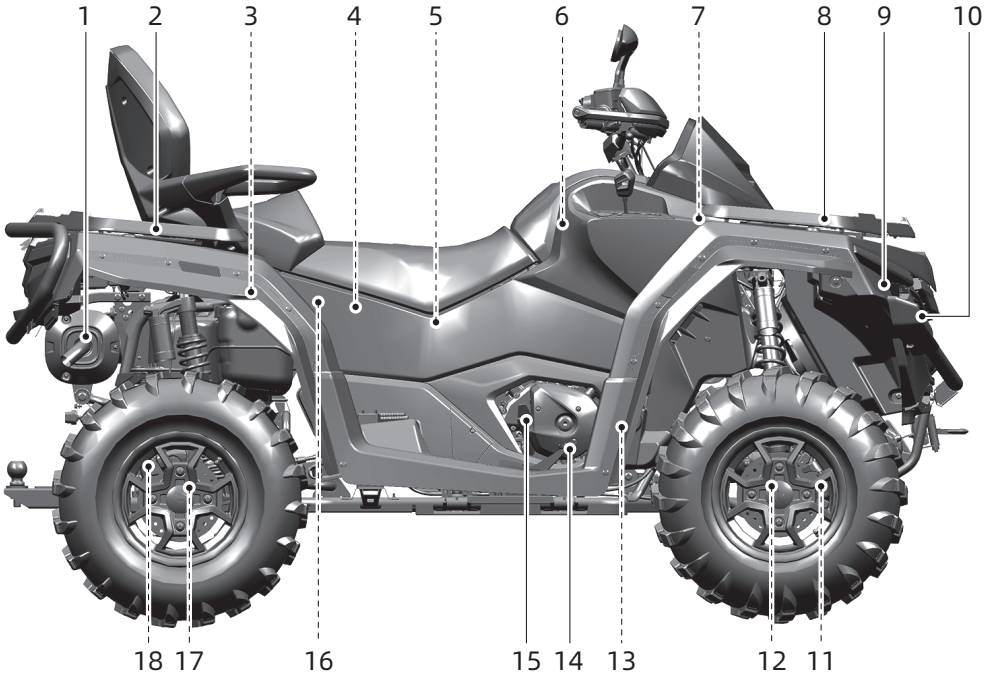
- Be sure to drive slowly when driving ATV on unfamiliar terrain. Always be aware of changes in terrain conditions when operating ATV.
- Never drive on terrain that is too rough, slippery, or loose unless you have learned and practiced the necessary skills to control your ATV on such terrain. Use extreme caution when driving on this type of terrain.
- Make sure to turn according to the correct steps described in this manual. Please practice turning at a low speed and never turn at a high speed before attempting to turn at a faster speed.
- Never drive ATV on hills that are too steep for the ATV or your ability. Please practice on a small hill before attempting to challenge a large hill.
- Be sure to follow the correct steps for climbing the hill as described in this manual. Please carefully check the terrain before climbing. Do not climb slopes that are too slippery or too loose on the road. Move the center of gravity forward during operation. Do not suddenly open the throttle or shift gears. Do not cross the mountaintop at high speed.
- Be sure to follow the correct operating steps described in this manual when braking downhill and uphill. Please carefully check the terrain before going downhill. Move the center of gravity backward and do not go downhill at high speed during operation. Avoid tilting the vehicle significantly to one side when going downhill. Please go downhill as straight as possible.
- Follow the correct steps in this manual when traversing a hill. Please avoid slopes that are excessively slippery or have loose surfaces. Tilt the center of gravity to the uphill side of ATV. Do not attempt to steer the ATV on any hill until you have mastered the flat turning techniques described in this manual. Please avoid crossing the hillside as much as possible.
- Be sure to perform the appropriate procedure if stalling or reversing occurs while climbing a grade. To avoid stalling, use the appropriate gear range and maintain a steady speed when climbing a hill. If stall or reverse occurs, follow the procedures in this manual specifically for braking. Always get off on the uphill side. When ATV is in the vertical uphill direction, you can get off on either side. Please follow the procedure

described in this manual to turn the ATV around and get on the vehicle.

- Be sure to check for obstructions before driving in the new area.
- Do not attempt to climb over large obstacles, such as rocks or fallen trees. To climb over obstacles, please follow the correct steps described in this manual.
- Be careful of sliding and slipping. Please practice at low speed on flat and smooth terrain to learn how to safely control sliding and slipping. Please drive slowly to reduce the risk of slipping or losing control when driving on extremely slippery roads such as ice.
- Do not operate ATV in fast-moving water or in water deeper than specified in these instructions. Be aware that slippery brakes may reduce the ability to stop. Please test the braking effect after driving in water. If necessary, brake several times to friction-dry the brake pads.
- Always make sure that there are no obstructions or other people behind the ATV before backing up. After confirming the safety of reversing, please move slowly to avoid sharp turns.
- Be sure to use the size and type of tires listed in this manual.
- Always maintain the proper tire pressure as described in this manual.
- Do not exceed the specified load capacity of ATV. The goods must be properly distributed and securely secured. Slow down and follow the instructions in this manual when carrying goods or trailers. Please reserve more braking distance.
- After rollover and other accidents, please go to the authorized dealer of QJMOTOR to conduct an overall inspection of the vehicle to eliminate hidden dangers. The damage caused to vehicles by accidents may be more severe than imagined.
- To prevent unauthorized use and false starts, always remove the ignition key when the vehicle is not in use.
- Please do not place children and pets on the shelves.
- Never touch moving parts such as wheels and drive shafts.

4. Part Location

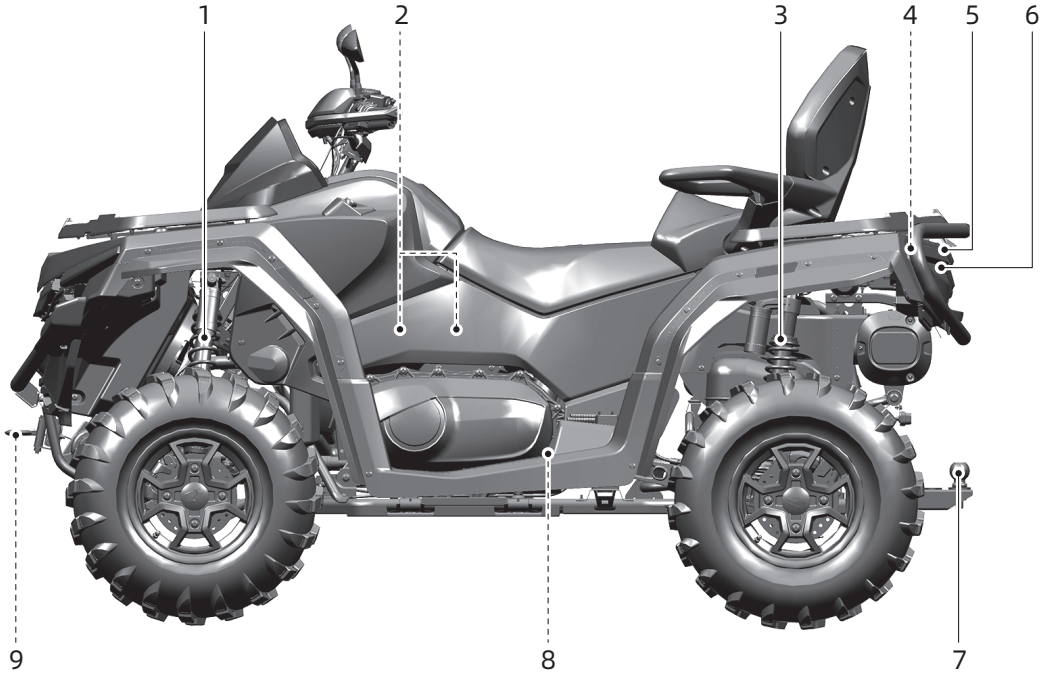
4.1 Right side view of vehicle body



Part Location

No.	Instruction	No.	Instruction
1	Muffler and spark collector	10	Radiator cover
2	Rear rack	11	Front brake caliper
3	Fuel tank cap	12	Front differential gearbox
4	Battery	13	Oil filter element
5	Rear brake fluid reservoir	14	Brake pedal
6	Air filter housing	15	Oil dipstick
7	Coolant reservoir	16	Main Fuse
8	Front shelf	17	Rear differential gearbox
9	Headlights	18	Rear brake caliper

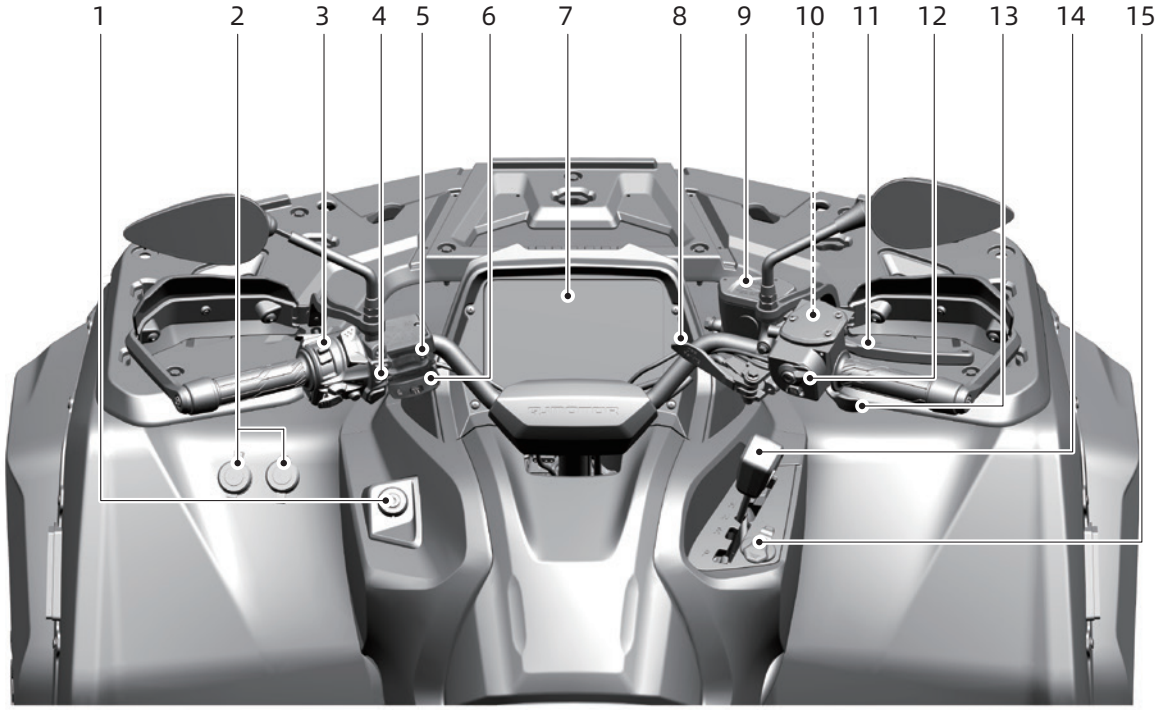
4.2 Left side view of vehicle body



Part Location

No.	Instruction	No.	Instruction
1	Front shock absorber	6	Tail brake light
2	Spark plug	7	Trailer fixed ball joint
3	Rear shock absorber	8	V-shaped belt box drainage cap
4	Tool kit and user manual	9	Winch
5	Rear storage box		

4.3 Operation control and instrument



Part Location

No.	Instruction	No.	Instruction
1	Main switch	9	Front brake fluid reservoir
2	Accessory socket and USB port	10	Parking brake B
3	Handle switch	11	Brake handle
4	Instrument adjustment switch	12	2-WD/4-WD switch
5	Winch switch	13	Throttle handle
6	Maximum speed limit button	14	Shift lever
7	Multi-function display	15	Shift lever lock
8	Parking brake A		

5. Instrument and Control Functions

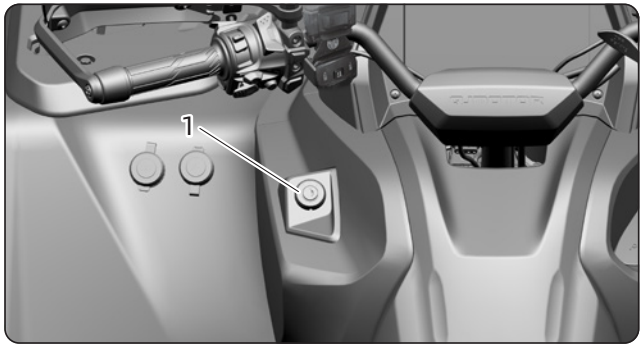
5.1 Main switch

ON

All electrical systems are powered on. In this position, the engine can be started, and the key cannot be removed.

OFF

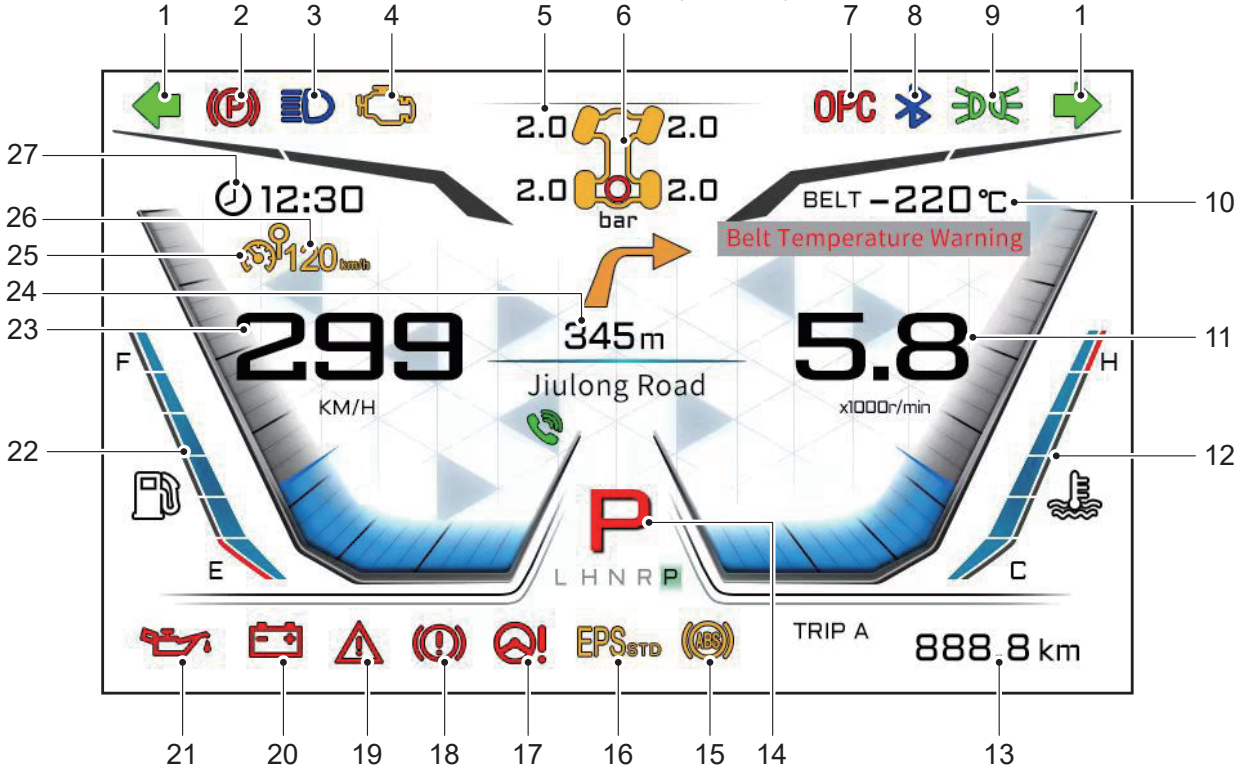
All electrical systems are switched off. In this position, the key can be removed.



1. Main switch

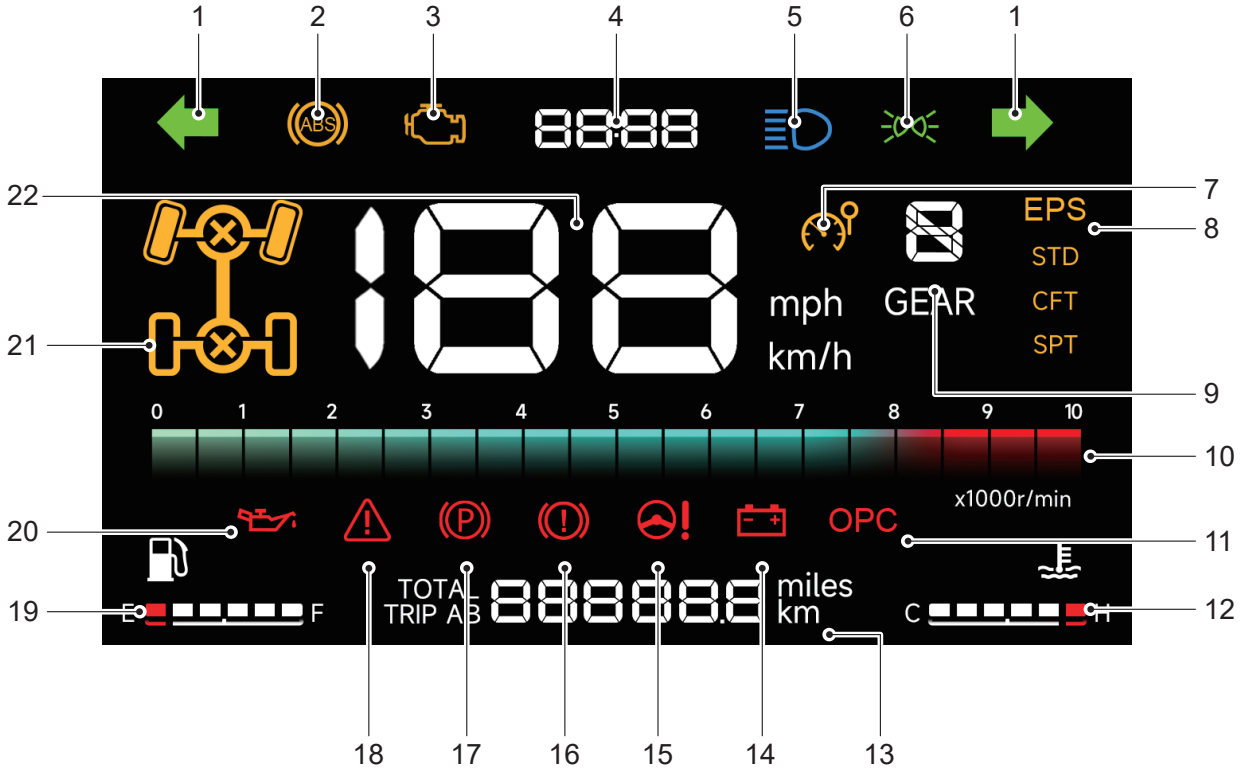
5.2 Indicator and instrument information display

7 inch instrument (optional)



No.	Instruction	No.	Instruction
1	Turning indicator	15	ABS (Anti-Lock Braking System) indicator light
2	Parking brake indicator	16	Electric power steering mode indicator
3	High beam light indicator	17	Electric power steering fault indicator
4	Engine fault warning light	18	Brake failure indicator
5	TPMS tire pressure monitoring system (optional)	19	Power mode indicator
6	Drive mode indicator	20	Battery voltage warning light
7	Driver in position control indicator	21	Oil pressure warning indicator
8	Bluetooth indicator	22	Fuel gauge and fuel warning light
9	Position light indicator	23	Speedometer
10	Drive belt temperature display	24	Interconnection and screen projection information display
11	Tachometer	25	Speed limit sign
12	Water temperature gauge and water temperature warning light	26	Maximum speed limit setting value
13	Mileage information display	27	Clock
14	Gear indicator		

5 inch instrument (optional)



No.	Instrument	No.	Instrument
1	Turning indicator	12	Water temperature gauge and water temperature warning light
2	ABS (Anti-Lock Braking System) indicator light	13	Mileage information display
3	Engine fault warning light	14	Battery voltage warning light
4	Clock	15	Electric power steering fault indicator
5	High beam light indicator	16	Brake failure indicator
6	Position light indicator	17	Parking brake indicator
7	Speed limit sign	18	Power mode indicator
8	Electric power steering mode indicator	19	Fuel gauge and fuel warning light
9	Gear indicator	20	Oil pressure warning indicator
10	Tachometer	21	Drive mode indicator
11	Driver in position control indicator	22	Speedometer

5.2.1 Gear indicator

The gearbox of this vehicle has 5 gears (L, H, N, R, P). When a certain gear is selected, the indicator light will display the selected gear accordingly.

5.2.2 High beam light indicator

This indicator lights up when the high beam light is turned on.

5.2.3 Battery voltage warning light

This warning light lights up when the battery voltage detected is less than 12.3V or more than 15V.

5.2.4 Engine fault warning light

This warning light lights up or flash when the circuit that monitors the engine detects a problem. In this case, the instrument display will display an error code (see Page 28). Please contact your authorized dealer of QJMOTOR for the self-inspection system inspection.

If the warning light does not turn on or remains on after turning the key to ON, please contact your authorized dealer of QJMORTOR to inspect the vehicle.

5.2.5 Electric power steering (EPS) fault indicator

The indicator lights up when the key is turned to the ON position and will go out when the engine is started. If the indicator light still lights up after the engine is started, it indicates that the EPS system is working abnormally. If this situation occurs, please contact your authorized dealer of QJMOTOR to inspect the vehicle.

5.2.6 Electric power steering mode indicator EPS STD/EPS CFT/EPS SPT

The vehicle is equipped with three EPS modes (STANDARD, COMFORT, SPORT) for your choice. When you select a mode, the indicator will display the selected mode.

5.2.7 Drive mode indicator

Displays the selected 2WD, 4WD, and front/rear differential locked drive modes.

Attention
If the blinking icon is displayed, it indicates that the differential lock is faulty or abnormal. Please contact the authorized dealer of QJMOTOR for inspection.

5.2.8 Driver in position control indicator OPC

If the driver leaves the seat without stopping, the indicator will flash and the vehicle will sound an alarm.

Notes	OPC is available only if the following conditions are met. ● The driver's body leaves the seat cushion. ● The gear is in other gear than the parking gear.

5.2.9 Turning indicator

When the turn signal switch is in the left/right turn signal position, the turn signal indicator for the corresponding direction will light up.

5.2.10 Fuel gauge and fuel warning light

The fuel gauge of this vehicle displays the amount of fuel remaining in the fuel tank in six grids. As the amount of fuel remaining decreases, the display will decrease from top to bottom.

- When the last grid of the fuel gauge is left, the grid will flash and the fuel warning light will turn yellow. At this time, the remaining fuel is about 4.8L.
- When the fuel gauge turns to 0, the fuel warning light turns yellow and starts to flash at an interval of 1 second.
- When the middle 4 grids of the fuel gauge begin to flash at an interval of 1 second, it indicates that the fuel sensor is in a short circuit state.
- When the 1st and 6th grids of the fuel gauge begin to flash at an interval of 1 second, it indicates that the fuel sensor is in an open circuit state.

When the above display appears, please refuel as soon as possible or contact your authorized dealer of QJMOTOR to check the vehicle.

5.2.11 Oil pressure warning indicator

If the indicator light is on, the oil system may be abnormal. Please contact the authorized dealer of QJMOTOR for inspection.

5.2.12 Power mode indicator

This indicator illuminates when the power mode is active. (See Page 39.)

5.2.13 Parking brake indicator

This indicator illuminates when the parking brake function is activated.

5.2.14 Brake failure indicator

When the braking function of the vehicle fails, the indicator light will be on.

5.2.15 Clock

Display the time, which can be set through the configuration mode.

5.2.16 Water temperature gauge and water temperature warning light

Displays the current water temperature. If the water temperature is too high or too low, it is abnormal and should be dealt with in time.

If the water temperature is too low, idle the engine to raise the water temperature; if the water temperature is too high, stop the engine in a safe place and turn off the engine to lower the water temperature.

- When the water temperature is greater than or equal to 115°C, the water temperature warning light will be on.
- When the water temperature is less than or equal to 112°C, the water temperature warning light will go out.
- When the upper 3 grids and the lower 3 grids of the water temperature gauge flash alternately at an interval of 1 second, it indicates that the communication between the water temperature sensor and the ECU has been interrupted.
- When the middle 4 grids of the water temperature gauge begin to flash at an interval of 1 second, it indicates that the water temperature sensor is in a short circuit state.
- When the 1st and 6th grids of the water temperature gauge begin to flash at an interval of 1 second, it indicates that the water temperature sensor is in an open circuit state.

When the above display appears, please contact your authorized dealer of QJMOTOR to check the vehicle.

5.2.17 Speedometer

Display the driving speed of the vehicle. The unit of the speedometer can be switched between "MPH" or "KM/H".

5.2.18 Tachometer

The tachometer displays the speed of the engine in revolutions per minute (R/min).

5.2.19 Drive belt temperature display (for 7 inch instrument)

This vehicle is equipped with a drive belt temperature detection sensor that detects whether the temperature is abnormal during CVT drive. When the temperature is higher than 100°C, the "Belt Temperature Warning" warning prompt will appear below the temperature display to remind the driver to reduce the engine speed.

5.2.20 TPMS tire pressure monitoring system (optional, for 7 inch instrument)

Tire pressure monitoring systems (TPMS) use tire pressure sensors on the wheels to monitor tire pressure. You

can learn the tire pressure by inflating and deflating the tire by selecting the TPMS in the configuration mode. After successful learning, the tire pressure monitoring system on the main interface of the instrument will display the corresponding tire pressure value.The system has a high pressure warning threshold of 70 and a low pressure warning threshold of 28. When the warning threshold is reached, the tire pressure value next to the corresponding tire will turn red.

Notes	• TPMS is not a system to check the tire pressure periodically. Be sure to check the tire pressure as described on Page 121. • When replacing the tire, be sure to replace the relevant components of the tire pressure sensor.

5.2.21 Mileage information display

When the main interface of the instrument is displayed, press the "SELECT" key to switch the mileage display between the odometer "ODO" and the trip meter "TRIP" and the "TRIP B".

5.2.22 ABS (Anti-Lock Braking System) indicator light

After turning on the main switch, the ABS indicator light on the instrument will be on, and it will be off with the speed of 5km/h reached, at this time, the ABS works normally.

If any of the following occurs with the indicator light, there may be a problem with the vehicle ABS system. In this case, slow down and contact the authorized dealer for service as soon as possible.

- The indicator light will be always on or blink while driving.
- The indicator light will be not on when the main switch is turned on.
- The indicator light will be not off at speeds above 5km/h.

5.2.23 Speed limit sign and maximum speed limit setting value

The speed limit sign and the maximum speed limit setting value are displayed with the speed limit mode enabled; they are not displayed while the speed limit mode is disabled.

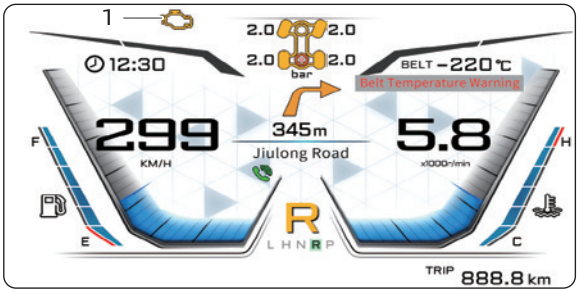
5.2.24 Bluetooth indicator (for 7 inch instrument)

This indicator lights up when Bluetooth is connected.

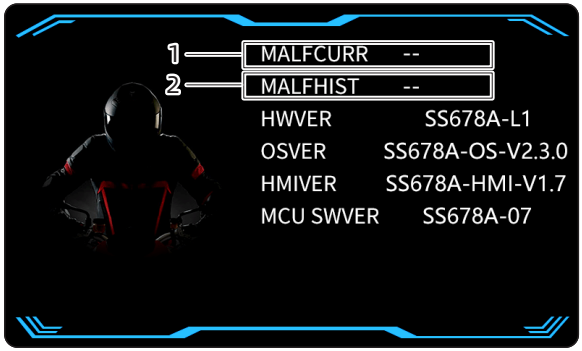
5.2.25 Position light indicator

This indicator illuminates when the position light is on.

5.2.26 Error code (for 7 inch instrument)



1. Engine fault warning light



1. Current error code 2. Historical error code

The vehicle is equipped with self-diagnostic devices for various circuits.

When any abnormality is detected in the vehicle, the engine fault warning light illuminates and an error code is displayed in the INFORMATION menu option of the configuration mode.

If you see the error code displayed, please write down the code and contact the authorized dealer of QJMOTOR to check the vehicle.

5.2.27 Configuration mode (for 7 inch instrument)

You can use the instrument adjustment switch on the left handlebar (see Page 44) and the ENTER and SELECT keys on the multi-function display to operate in the configuration mode. The ENTER and SELECT keys on the multi-function display are used as an example for menu operation.

In the main interface of the instrument, short press the ENTER key to enter the configuration mode. The following settings can be made in the configuration mode.

Notes	When the configuration mode main screen is displayed, if there is no operation within 8 seconds, the display will return to the instrument main screen.

Page 1:

INTERFACE

CLOCK

BRIGHTNESS

UNIT

INFORMATION

MOBILE BLUETOOTH

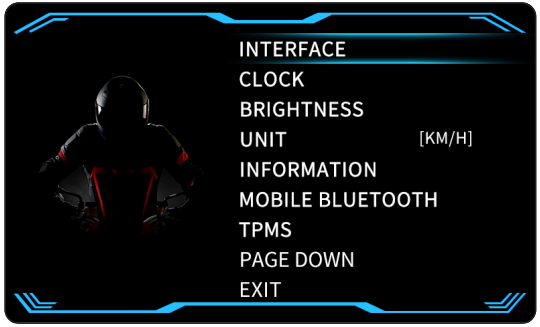
TPMS

PAGE DOWN

EXIT

INTERFACE

1. Short press ENTER to enter.

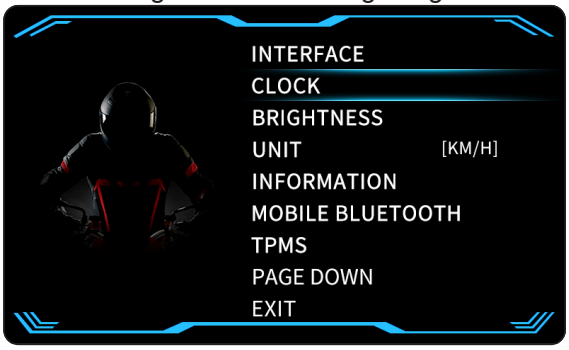


2. Short press the SELECT key to select the desired mode between day, night, and AUTO.

3. Short press the ENTER key or return to the main interface of the instrument after 8 seconds of no operation.

CLOCK

1. Short press the SELECT key to select CLOCK, short press the ENTER key to enter, and the ten time digits of the hour digit begin to flash.

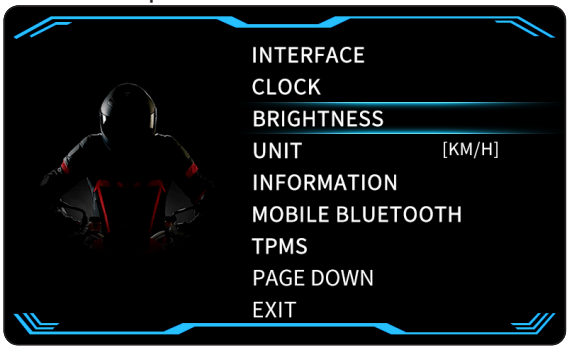


2. Short press SELECT to set the desired number, then short press ENTER.
3. The hour digit and the one digit time digit begin to flash. Press the SELECT key for a short time to set the required number, and then press the ENTER key for a short time.
4. The minute digit and the ten digit begin to flash. Press the SELECT key for a short time to set the required number, and then press the ENTER key for a short time.
5. The minute digit and the single digit begin to flash. Press the SELECT key for a short time to set the required number.

6. After the time adjustment is completed, short press the ENTER key to return to the main interface of the configuration mode. If there is no operation for 8 seconds, return to the main interface of the instrument.

BRIGHTNESS

1. Short press SELECT to select BRIGHTNESS, and short press ENTER to enter.

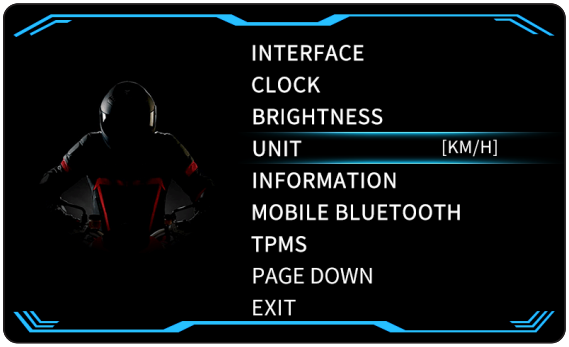


2. Short press the SELECT key to select between 5 brightness levels or AUTO mode.

3. After the setting is completed, short press the ENTER key to return to the main interface of the configuration mode. If there is no operation for 8 seconds, return to the main interface of the instrument.

UNIT

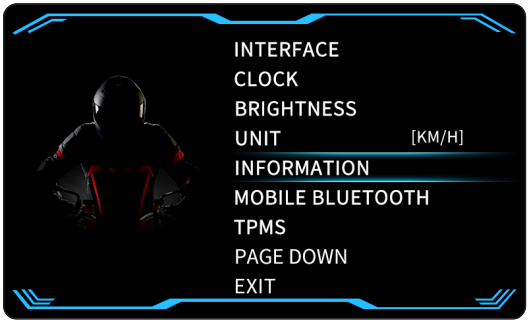
1. Short press SELECT to select UNIT.



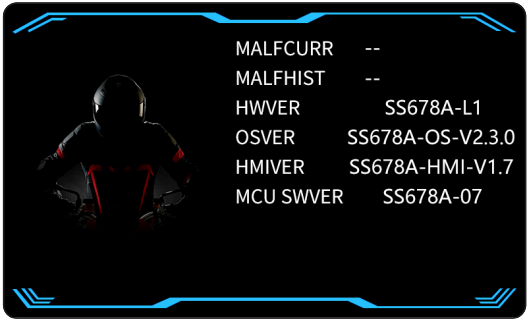
2. Short press ENTER to select the desired unit between "MPH" or "KM/H".
3. If there is no operation for 8 seconds, it will return to the main interface of the instrument.

INFORMATION

1. Short press SELECT to select INFORMATION.



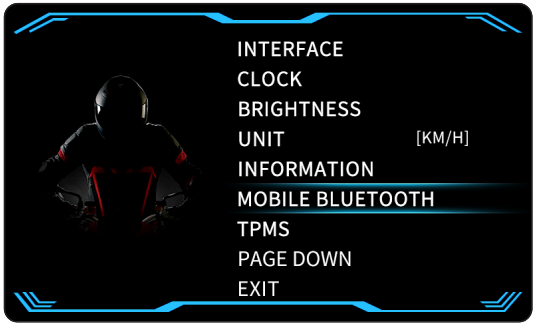
2. Check the current fault, historical fault, HW version number and other information of the vehicle.



3. Short press the ENTER key to return to the main interface of the configuration mode.

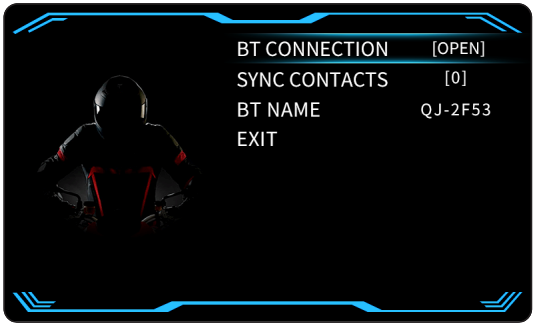
MOBILE BLUETOOTH

1. Short press SELECT to select MOBILE BLUETOOTH, and short press ENTER to enter.



2. Short press the ENTER key to toggle the switch of BT CONNECTION.
3. Short press SELECT to select SYNC CONTACTS, and short press ENTER to synchronize.

4. Short press the SELECT key to select BT NAME to view the Bluetooth name of the vehicle.

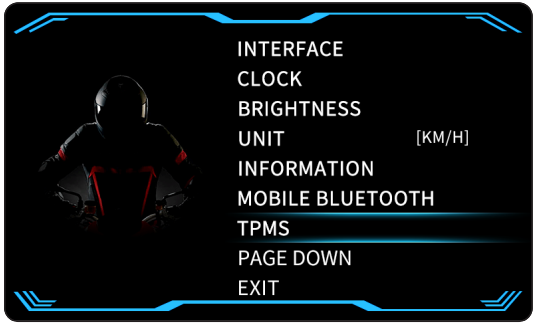


5. Short press SELECT to select EXIT, and short press ENTER to return to the main interface of configuration mode.

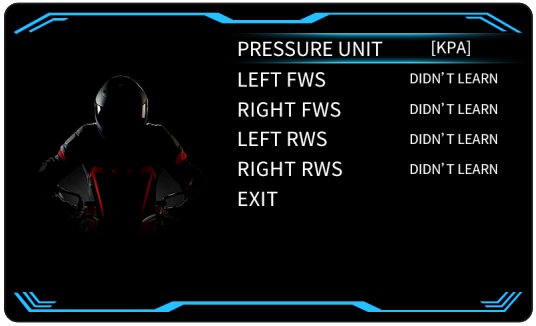
Notes	After the Bluetooth of the mobile phone is connected, the meter can display the incoming/outgoing call interface. You can use the SELECT key to answer or the ENTER key to end the call.

TPMS (optional)

1. Short press SELECT to select TPMS and short press ENTER to enter.



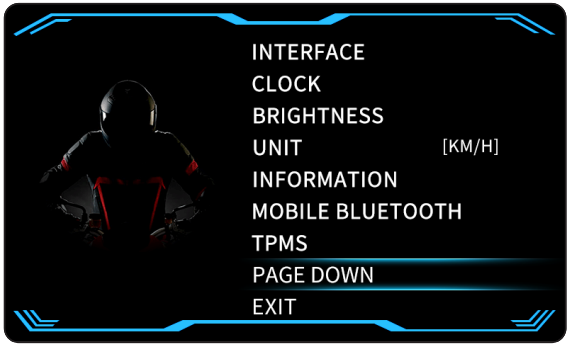
2. Short press ENTER to switch the tire pressure unit between KPA, BAR and PSI.



3. Short press SELECT to select LEFT FWS, and short press ENTER to learn.
4. Short press SELECT to select RIGHT FWS, and short press ENTER to learn.
5. Short press SELECT to select LEFT RWS, and short press ENTER to learn.
6. Short press SELECT to select RIGHT RWS, and short press ENTER to learn.
7. Short press SELECT to select EXIT, and short press ENTER to return to the main interface of configuration mode.

PAGE DOWN

Short press the SELECT key to select PAGE DOWN, and short press the ENTER key to enter the next page.



EXIT

Short press SELECT to select EXIT, and short press ENTER to return to the main interface of the instrument.

Page 2:

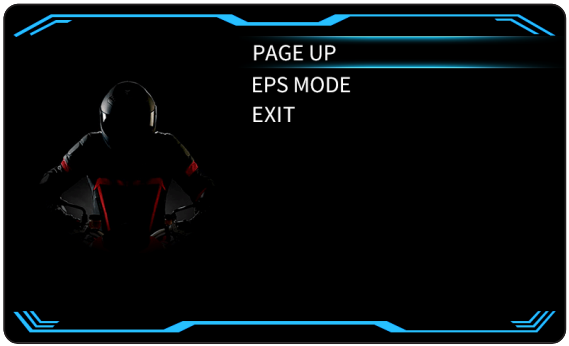
PAGE UP

EPS MODE

EXIT

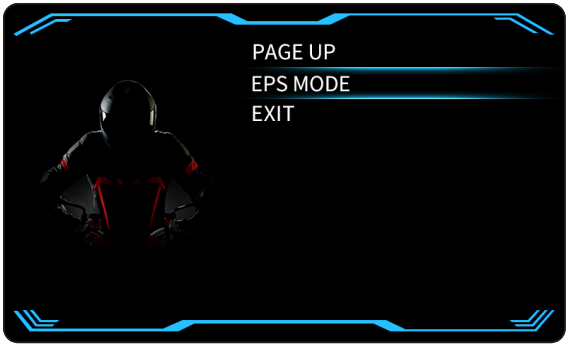
PAGE UP

Short press ENTER to return to the previous page.

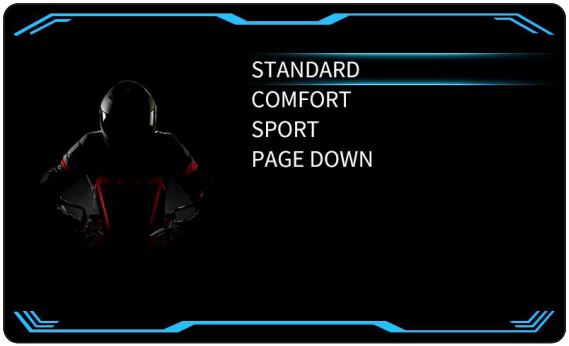


EPS MODE

1. Short press SELECT to select EPS MODE, and short press ENTER to enter.



2. Short press SELECT to select the desired mode between STANDARD, COMFORT, and SPORT.



3. If there is no operation for 8 seconds, it will return to the main interface of the instrument.

For details on EPS settings, see the "EPS mode instruction" section. (See Page 37)

EXIT

Short press SELECT to select EXIT, and short press ENTER to return to the main interface of the instrument.

5.2.28 Configuration mode (for 5 inch instrument)

You can use the ENTER and SELECT on the multi-function display to configure the vehicle functions and display information. The operation method is as follows.

Setting clock

1. When the mileage information is displayed as TOTAL, press and hold ENTER to enter the clock setting.
2. Short press SELECT to adjust hour. After the adjustment is complete, press and hold SELECT to switch to the minute adjustment.
3. Short press SELECT to adjust minute. After the adjustment is complete, press and hold ENTER to save the adjustment.

Notes	After the clock adjustment is complete, if there is no operation for 10 seconds, the set time can be automatically saved.

Selecting ESP mode

When the mileage information is displayed as TOTAL, press and hold SELECT to switch between EPS STD, EPS CFT, and EPS SPT.

Speed unit switching

When the mileage information is displayed as TOTAL, short press ENTER to switch between the km and mile.

Mileage information and fault code display

Short press SELECT to switch between TOTAL - TRIPA -TRIPB -PXXXX.

When TRIPA or TRIPB is displayed, press and hold SELECT to clear the TRIPA or TRIPB.

When switching to the fault code display, the mileage information sign will no longer be shown. At this time, if the vehicle has no faults, P0000 will be displayed fixedly; if the vehicle has a fault, the fault code will scroll and flash in the mileage information display area.

5.2.29 Interconnection and screen projection (for 7 inch instrument)

1. When the main interface of the instrument is displayed, press the ENTER key for a long time to enter the interconnected screen projection interface.
2. Short press the SELECT key to switch between Android (default) and Apple's projection QR code.
3. After successful connection, the instrument will display the projection screen.
4. When the projection screen is displayed, press and hold the ENTER key to return to the main interface of the instrument.

5.2.30 EPS mode instruction

This model allows you to select the desired EPS steering force between 3 modes according to the driving situation.

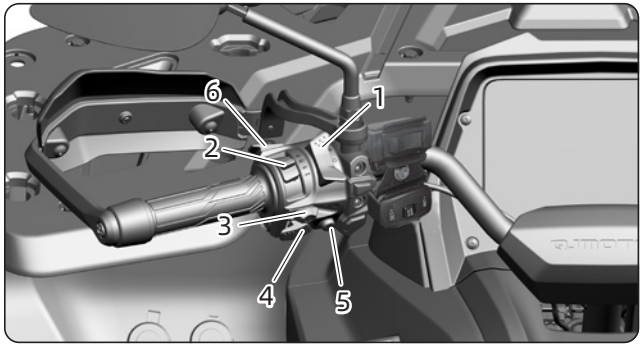
STANDARD Mode EPS$_{STD}$: Moderate power.

COMFORT Mode EPS$_{CFT}$:Maximum electronic power and lightest hand feeling.

SPORTMode EPS$_{SPT}$:Minimum electronic power and heaviest hand feeling.

Attention
Before switching to a mode other than STANDARD, it is important to understand the characteristics of each of these modes. Be sure to understand the characteristics of each mode before you begin.

5.3 Handle switch



1. Engine stop switch/start switch
2. Light switch
3. Turn signal switch
4. Horn switch
5. Hazard warning switch
6. Power mode switch

5.3.1 Engine stop switch / //start switch

In order for the engine to operate, the engine stop switch must be in the (ON) position when the main switch is in ON position .

If there is an emergency to stop the engine, place the stop switch in the (OFF) position. The engine will turn off at this time, but not all of the circuits will be closed. If the engine stop switch is used to stop the vehicle, be sure to turn off the main switch after the vehicle stops.

When the main switch is in the ON position and the engine stop switch is in the (ON) position, pressing this button will start the engine.

Before starting the engine, refer to the starting instructions on Page 71.

5.3.2 Light switch / / OFF /

: When the light switch is in this position, the high beam, front position light and tail light are on.

: When the light switch is in this position, the low beam, front position light and tail light are on.

OFF: When the light switch is in this position, all lights are off.

: When the light switch is in this position, the front position light and tail light are on.

Notes	Do not use the headlights with the engine off for a long time. The battery may discharge.

5.3.3 Turn signal switch ⬅/➡

⬅: The left turn signal flashes.

➡: The right turn signal flashes.

5.3.4 Horn switch

Press the switch and the horn sounds.

5.3.5 Hazard warning switch ⚠

When this switch is pressed, all turn signals flash simultaneously.

Notes	Do not use the hazard warning light for a long time with the engine off. The battery may discharge.

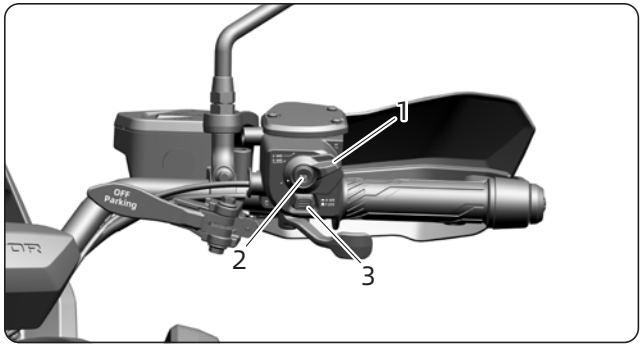
5.3.6 Power mode switch

Top speed is usually limited when the differential gear lock ("F-LOCK") is in operation.Pressing this switch disables the speed limit function of the differential gear lock in the event that more engine output is required. When the switch is released, the speed limit function is restored. When the switch is pressed, the power mode indicator illuminates.

⚠Warning

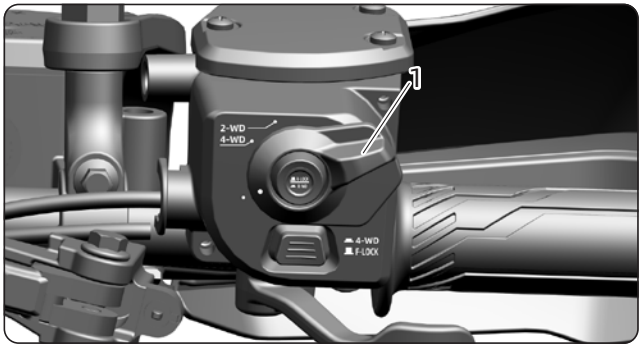
When the ATV is in 4WD differential gear lock, be sure to drive at low speed to allow extra time and distance for operation.
With the differential locked, all wheels turn at the same speed, requiring more steering effort to push ATV to steer. The required steering force increases as the ground speed increases. Failure to steer in accordance with the driving speed may cause the vehicle to lose control and result in an accident.

5.4 Drive mode selector switch



1. 2-WD/4-WD switch
2. "R-LOCK"/ "R-WD" switch (optional)
3. "4-WD/F-LOCK" switch

5.4.1 2-WD/4-WD switch



1. 2-WD/4-WD switch

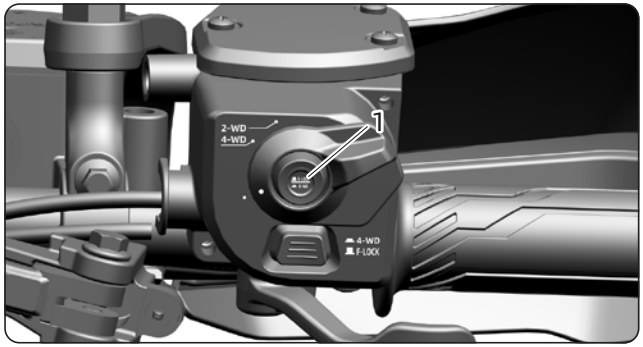
2-WD: 2-wheel drive mode, only rear wheel drive, and the drive mode indicator is .

4-WD: 4-wheel drive mode with both front and rear wheels for improved traction, and the drive mode indicator is .

Warning

The ATV must be stopped before switching between 2WD and 4WD modes. The driving characteristics of ATV in 2-wheel drive mode and 4-wheel drive mode are very different. If the drive mode is switched during driving, the steering characteristics of the ATV may change unexpectedly. This may distract the driver and increase the risk of losing control of the vehicle or causing an accident.

5.4.2 "R-LOCK"/ "R-WD" switch (optional)



1. "R-LOCK"/ "R-WD" switch

"R-WD": The rear wheels are driven with the rear drive differential activated.

"R-LOCK": The rear wheel is driven with the rear differential locked, and the drive mode indicator shows (2-wheel drive mode) or (4-wheel drive mode).

In the "R-LOCK" state, the rear axle is locked and the rear wheels turn at the same speed, providing maximum traction on the rear wheels.

Warning

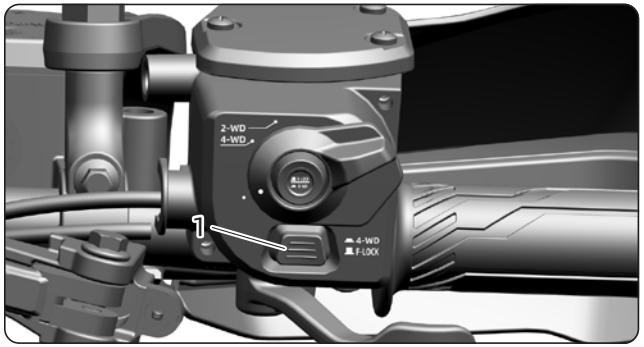
The ATV must be stopped before the rear differential is switched to the locked state.

The driving characteristics of an ATV with or without a locked rear differential are quite different.

If the rear differential lock is switched during driving, the steering characteristics of the ATV may change unexpectedly. This may distract the driver and increase the risk of losing control of the vehicle or causing an accident.

Notes	• When driving on a hard road in the "R-LOCK" state, the required steering force will increase, and the tire wear may also be accelerated. • Drive the vehicle until the differential gear is properly locked or unlocked (for example, when the icon and indicator light are flashing), and the vehicle speed will be limited until the differential gear is completely locked or unlocked.

5.4.3 "4-WD/F-LOCK" switch



1. "4-WD/F-LOCK" switch

"4-WD": In four-wheel drive mode, the drive mode indicator shows .

"F-LOCK": The front wheel is driven with the front differential locked, and the drive mode indicator shows and flashes.

In the "F-LOCK" condition, the front axle is locked and the front wheels turn at the same speed, providing maximum traction at the front wheels.

⚠ Warning

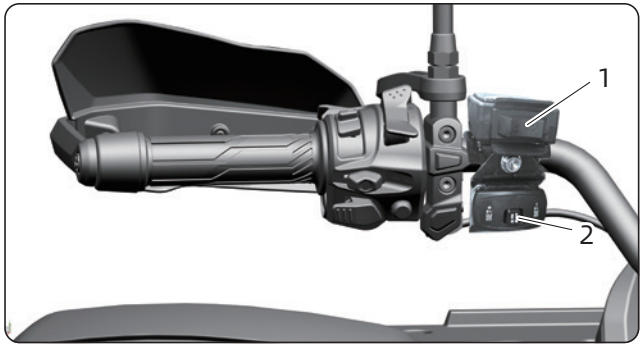
The ATV must be stopped before the front differential is switched to the locked state.

The driving characteristics of an ATV with or without a locked front differential are quite different.

If the front differential lock is switched during driving, the steering characteristics of the ATV may change unexpectedly. This may distract the driver and increase the risk of losing control of the vehicle or causing an accident.

Notes	● When driving on a hard road in the "F-LOCK" state, the required steering force will increase, and the tire wear may also be accelerated. ● Drive the vehicle until the differential gear is properly locked or unlocked (for example, when the icon and indicator light are flashing), and the vehicle speed will be limited until the differential gear is completely locked or unlocked. ● In the "F-LOCK" state, the maximum travel speed is limited to 30 km/h (19 mi/H). At this point, if you need to get the full output of the engine, you can press and hold the power mode switch to temporarily disable the speed limit. (See Page 39) ● In 4-wheel drive mode, the drive mode indicator is with the front and rear differential locked.

5.5 Winch switch and maximum speed limit button



1. Winch switch 2. Maximum speed limit button

5.5.1 Winch switch

Switch used to operate the winch. Before operating the winch switch, carefully read the contents of the "Winch" section of this manual. (See Page 56)

5.5.2 Maximum speed limit button

The button is used with the speed limit mode enabled and the maximum speed limit setting value adjusted.

Condition for enabling the speed limit mode: Speed limit mode can only be enabled when the vehicle is started with the speed running.

Speed limit mode enabled: Press and release the middle button of the maximum speed limit button with the speed limit mode disabled, the speed limit sign and the maximum speed limit setting value will be displayed (the maximum speed limit setting value blinks and the speed limit sign is always on). In this case, the maximum speed limit setting value can be adjusted by pressing shortly the SET+ and SET- button on the maximum speed limit button. During adjusting the limit setting value, if there is no operation within 10 seconds, the maximum speed limit will be set, the setting value will be always on, and the speed limit sign will be always on after flashing 3 times.

Disabling speed limit mode:

The speed limit mode can be disabled by three methods as below.

- Press and release the middle button on the maximum speed limit button with speed limit mode enabled, the speed limit sign blinks 3 times, and then the speed limit sign and the maximum speed limit setting value disappear.
- When the vehicle is turned off with speed limit enabled after the shutdown switch is turned off, the speed limit sign blinks 3 times and then the speed limit sign and the maximum speed limit setting value disappear.

- Turn the vehicle off with the ignition key and the speed limit mode will be turn off.

Speed limit adjustment:

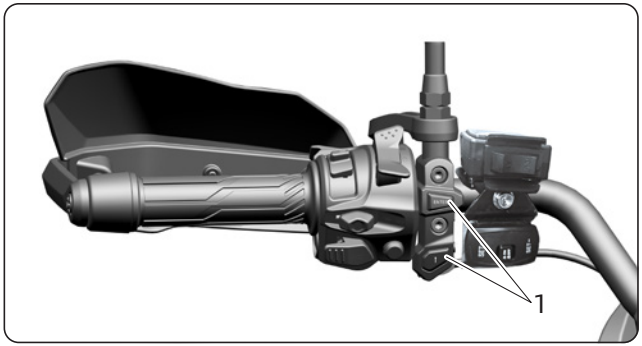
When the ABS speed limit function is enabled, the speed can be adjusted within a certain range (30km/h-95km/h in 5km/h increments) by the SET+ and SET- keys on the maximum speed limit button.

When the vehicle is started with the speed running and a speed of 0km/h, the speed limit value will be adjustable from 30km/h. If the speed limit function is enabled with a speed greater than 30km/h, the speed limit value will be adjustable from the value of the previous gear of the current speed.

- For example, if the speed limit function is enabled at the current speed of 44km/h, the speed limit value will be adjustable from 45km/h.

Notes	• The previous setting is not memorized, when ABS speed limit function is enabled again after disabled. • The actual speed limit of the vehicle will vary in different gear states. The target speed displayed on the instrument can be adjusted with the SET+ and SET- keys but does not change with the actual speed limit.

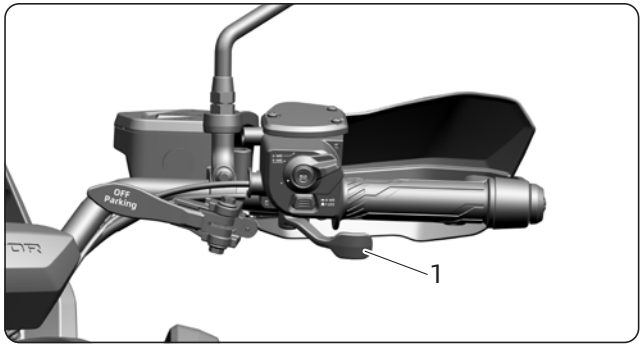
5.6 Instrument adjustment switch



1.Instrument regulating switch

Switches used when making meter adjustments. Its function is the same as that of the ENTER and SELECT keys on the multi-function display. (See Page 28)

5.7 Throttle handle

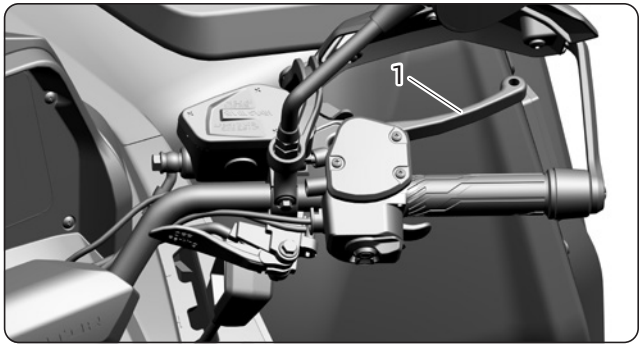


1 Throttle handle

Push the throttle handle in order to increase engine speed.

When the handle is released, it returns to the rest position due to the tension of the spring. Before starting the engine, make sure that the throttle handle operates smoothly.

5.8 Brake handle

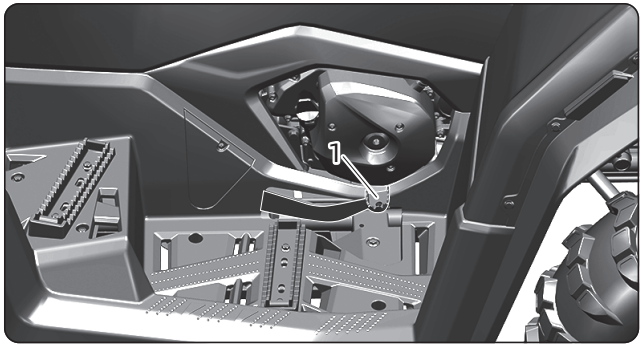


1 Brake handle

The brake handle is located on the right handlebar.

To apply the front wheel brake, pull the brake lever to the handlebar side.

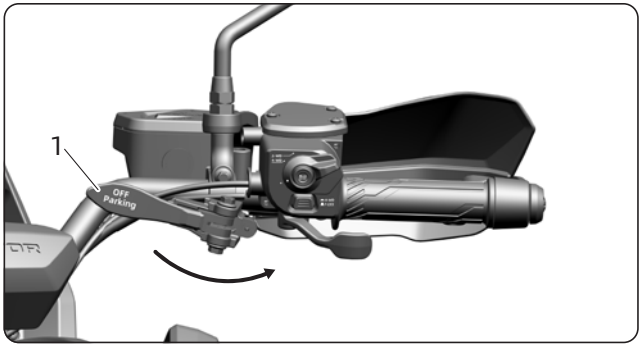
5.9 Brake pedal

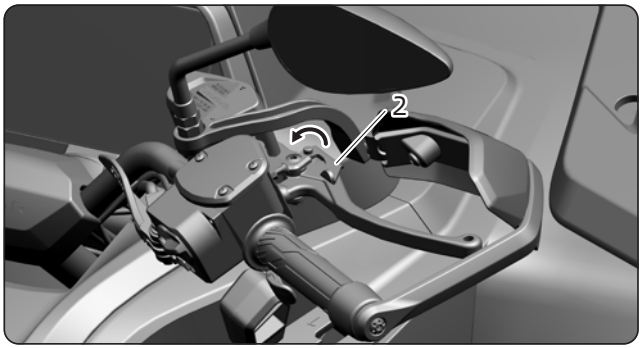


1 Brake pedal

The brake pedal is located on the right side of the ATV and is depressed for full braking effect (front + rear).

5.10 Parking brake





1 Parking brake A 2 Parking brake B

The parking brake A is located at the control switch of the right handlebar.

To apply the parking brake, apply parking brake A to the right.

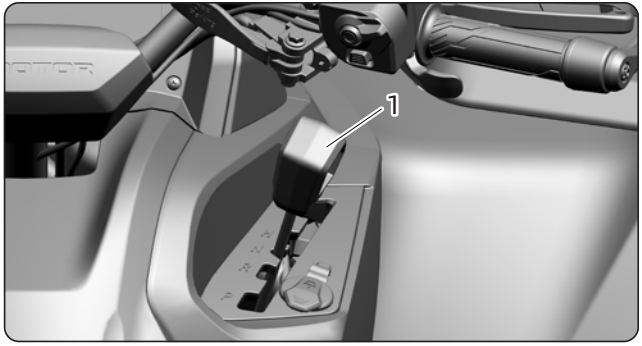
The parking brake B is located on the brake handle of the right handlebar.

To apply the parking brake, press the brake pedal while holding the brake handle, and then press the parking brake B with the other hand.

⚠Danger

- Do not operate the ATV with the parking brake in effect. Otherwise, accidents may occur, resulting in serious personal injury or death. Before driving the vehicle, make sure that the parking brake is released.
- During driving, please do not use the parking brake for braking. Otherwise, accidents may occur, resulting in serious personal injury or death.
- When parking on the ramp, it is recommended to use two parking brakes at the same time. To further improve safety, put the gear into the parking gear and block the wheels with bricks to prevent the vehicle from sliding down the slope.

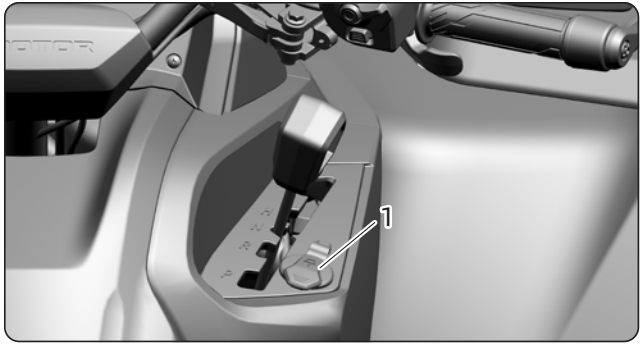
5.11 Shift lever



1.Shift lever

The shift lever is used to shift gears between low, high, neutral, reverse, and park. See Page 72for information on operating the shift lever.

5.12 Shift lever lock



1 Shift lever lock

The shift lever lock is used to lock the transmission to prevent theft of the vehicle.

5.13 Accessory socket

1. Accessory socket

The accessory socket is located at the front fender on the left side. When the main switch is on, you can use 12V/10A devices such as auxiliary lights and radios with appropriate plugs.

Notes	The use of accessory sockets is at your sole discretion and responsibility. In any case, Qianjiang Motorcycle Co., Ltd. shall not be liable for any damage caused by the use of the accessory socket. Only devices that meet the following specifications can be connected. Maximum output power: 120W

⚠Warning

When connecting external equipment, the control operation of the vehicle shall not be affected. In addition, when the vehicle turns, it should be ensured that the connecting line does not interfere with the steering wheel and obstruct the driving of the vehicle.

Attention

- In order to prevent the battery from running out of power, be sure to start the engine of the vehicle when using external accessories.
- Please prevent water and other foreign matters from entering the accessory socket.
- Since the vibration of the vehicle during driving may cause the connecting equipment to become loose or fall off, resulting in damage to the equipment, please be sure to fix the connecting equipment firmly.
- After use, please close the dust cover of the socket.

5.14 USB port

1. USB port

The USB port is located on the left front fender. When the main switch is on, you can use a device that meets the specifications, such as a mobile phone charger with an appropriate plug.

Notes	The use of a USB socket is at your sole discretion and responsibility. In any case, Qianjiang Motorcycle Co., Ltd. is not responsible for any damage caused by the use of USB sockets. Only devices that meet the following specifications can be connected. Maximum output power of typeA + typeC: 20W Maximum output power at single-port output: 18W

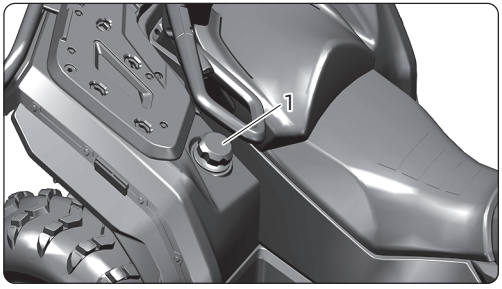
⚠Warning

When connecting external equipment, the control operation of the vehicle shall not be affected. In addition, when the vehicle turns, it should be ensured that the connecting line does not interfere with the steering wheel and obstruct the driving of the vehicle.

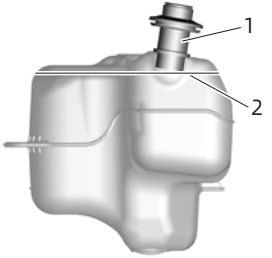
Attention

- In order to prevent the battery from running out of power, be sure to start the engine of the vehicle when using external accessories.
- Please prevent water and other foreign matters from entering the USB socket.
- Since the vibration of the vehicle during driving may cause the connecting equipment to become loose or fall off, resulting in damage to the equipment, please be sure to fix the connecting equipment firmly.
- The USB socket has the function of undervoltage protection, which can work normally only when the input power supply voltage is ≥ 13 V.
- After use, please close the dust cover of the socket.

Fuel tank cap



1. Fuel tank cap



1. Fuel filler
2. Maximum oil level

The fuel cap is located on the right side of the rear of the vehicle. The cap can be removed by rotating it counterclockwise. After filling, turn the cap clockwise and make sure it is tight.

⚠Warning

Since gasoline and gasoline vapor are very flammable, to avoid fire and explosion and reduce the risk of injury while refueling, please follow the instructions below.

- Be careful when handling gasoline.
- When refueling, please turn off the vehicle and then operate it outdoors or in a well-ventilated place.
- Do not smoke while refueling and do not allow open flames or sparks near refueling or gasoline storage areas.
- The oil tank shall not be overfilled and shall not exceed the maximum oil level.

Fuel tank capacity:	25L (6.6 US gal,5.5 Imp·gal)
Fuel reserve:	4.8L (1.27 US gal,1.06 Imp·gal)

5.15 Fuel

⚠Warning

Gasoline is toxic and can cause injuries and fatalities. Please be careful when handling gasoline. Do not siphon gasoline with the mouth. If you swallow gasoline by mistake, get gasoline into your eyes or inhale gasoline vapor, you should seek medical advice immediately. If gasoline gets on your skin, wash with soap and water. If gasoline spills on your clothes, change your clothes immediately.

5.15.1 Recommended fuel oil

The engine of this model is designed to use unleaded regular gasoline. RON octane rating must be greater than or equal to 91. If there is a knock or chatter, try a different brand or higher octane gasoline.

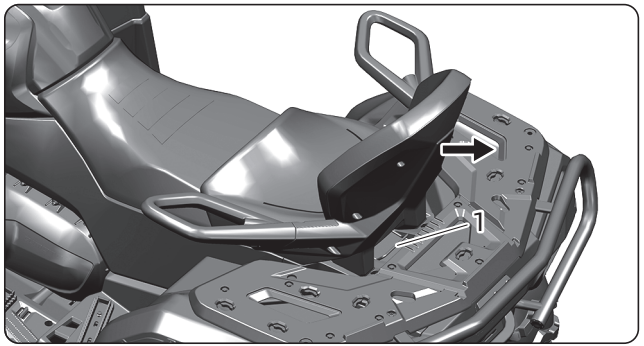
Notes	Gasoline containing ethanol with an ethanol content of no more than 10% (E10) may be used. Gasoline with methanol is not recommended because it can cause fuel system damage and vehicle performance problems.

1. Fuel identification mark

Notes	Make sure that the fuel identification mark is the same on the fuel pump nozzle.

5.16 Seat cushion

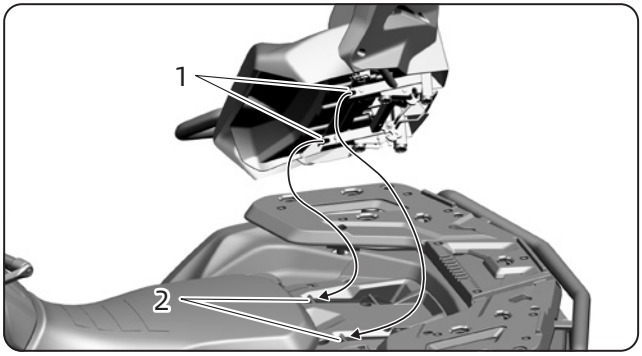
5.16.1 Passenger seat cushion



1. Passenger seat cushion latch

Removal

Lift up the seat cushion latch at the rear of the passenger seat cushion, pull the passenger seat cushion rearward, then lift the passenger seat cushion from the rear and remove.

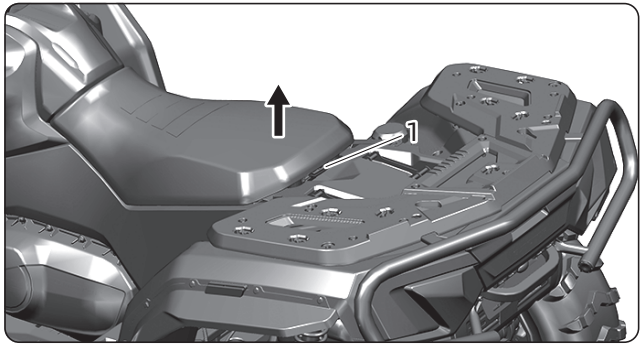


1. Fixing slot 2. Fixing rod

Installation

Engage the retaining slot under the passenger seat cushion into the retaining rod on the body, push the passenger seat cushion forward, and then press the rear of the passenger seat cushion until the passenger seat cushion is installed in place. Gently pull on the passenger's seat cushion to make sure it is seated securely.

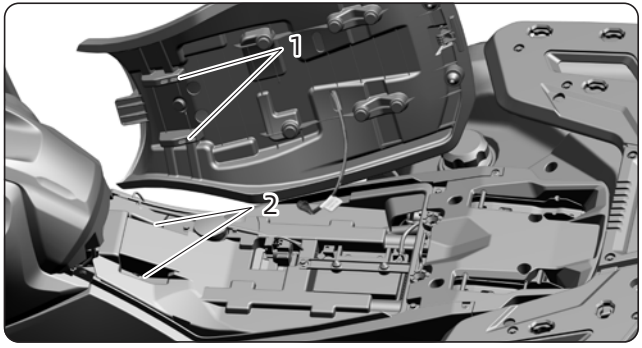
Driver seat cushion



1. Driver seat cushion latch

Removal

After removing the passenger seat cushion, pull up the seat cushion latch at the rear of the driver seat cushion, lift the driver seat cushion up and remove it.

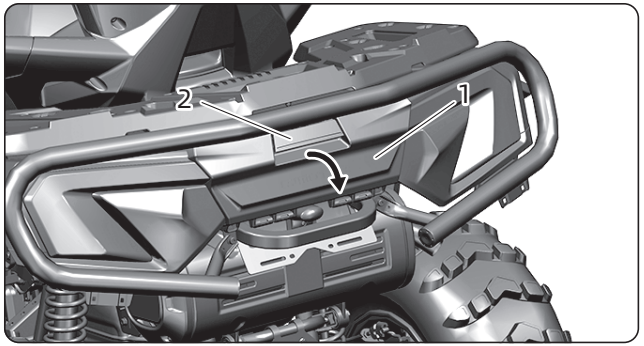


1. Bulge 2. Groove

Installation

Insert the bosses on both sides of the front of the driver's seat cushion into the grooves on both sides of the front of the frame, and then press the driver's seat cushion down until the seat cushion is in place. Gently pull on the driver's seat cushion to make sure it is seated securely.

5.17 Rear storage box



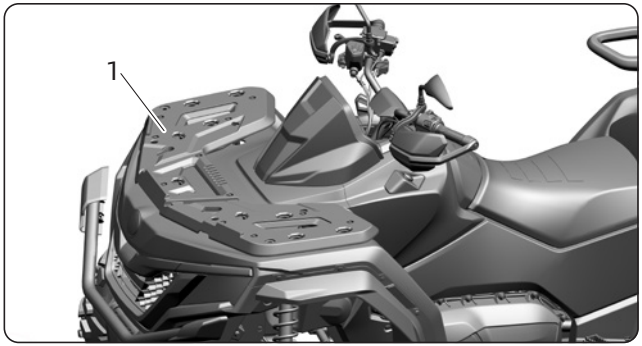
1 Storage box 2. Latch

The rear storage box is located under the rear shelf at the rear of the car. Lift the storage compartment latch and pull down to open the storage compartment lid.

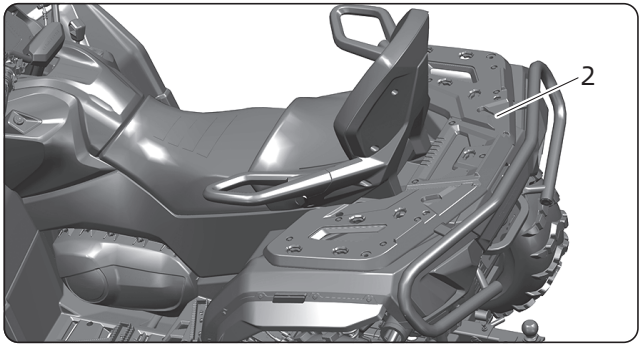
Do not exceed the limit load below.

Storage box load limit:	3Kg (6.6lb)
Ultimate vehicle load:	135Kg (297.6lb)

5.18 Front and rear shelves



1. Front shelf



2. Rear shelf

The vehicle is equipped with front and rear shelves, which can carry goods.

When using, do not exceed the load limits below.

Front rack load limit:	45Kg (100lbs)
Rear rack load limit:	90Kg (200lbs)
Ultimate vehicle load:	135Kg (297lbs)

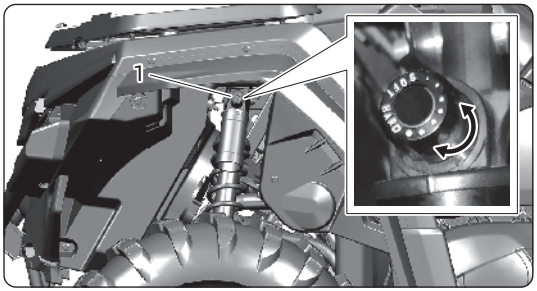
5.19 Front and rear shock absorber

The spring preload of the front and rear shock absorbers has been adjusted when the vehicle leaves the factory. You do not need to adjust it by yourself, but you can adjust the damping of the shock absorber through the damping adjustment knob. If you need to adjust the spring preload, please go to the authorized dealer for processing.

⚠Warning

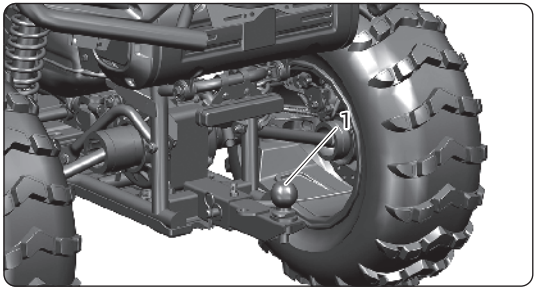
Be sure to adjust the left and right dampers to the same setting. Uneven alignment may result in poor handling and reduced stability, leading to accidents.

When the damping adjustment knob is turned in the HARD direction, the spring damping increases and the suspension becomes hard, while when the damping adjustment knob is turned in the SOFT direction, the spring damping decreases and the suspension becomes soft.



1. Spring damping adjustment knob

5.20 Trailer fixed ball joint

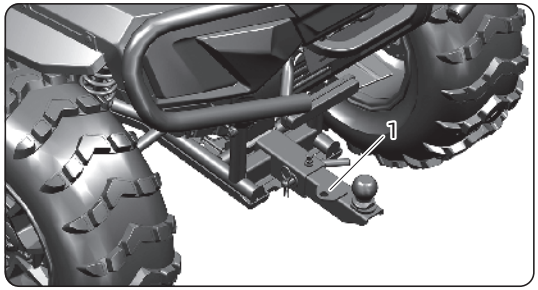


1.Trailer fixed ball joint

The trailer mounting ball joint is located at the rear of the body frame and is used when hitching the trailer.

When using a trailer to carry cargo, please check whether the load exceeds the maximum trailer load and whether the trailer hitch is firmly connected to the ball joint.

5.21 Flagpole support

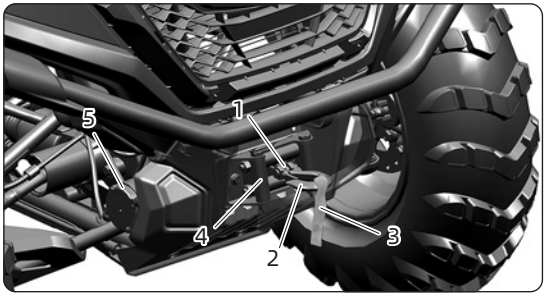


1 Flagpole support

The flagpole support is located at the location shown on the trailer to secure the ball joint linkage. Flagpoles may be required when driving in certain areas, such as deserts. Check local regulations before driving.

5.22 Winch

This vehicle is equipped with a winch. The winch switch is located on the left handlebar. Before using the vehicle, please refer to the instructions in this manual or consult the authorized dealer of QJMOTOR to understand how to use the winch.



1. Winch
2. Hook
3. Hook belt
4. Fair lead
5. Clutch

Rated towing capacity of winch:	150kgf (330lbs)

⚠Warning

Be careful not to allow moving parts to become entangled.
Failure to follow these instructions may result in serious injury or death.
To avoid personal injury and harm to others:

- Please read this manual carefully to understand the winch and its correct operation.
- Do not operate the winch until you understand all the instructions.
- Always check the status of the winch.
- Keep other people away when operating the winch.
- Always be aware of your surroundings.

General safety precautions:

- Do not exceed the rated capacity of the winch or winch rope.
- Wear thick leather gloves when handling the winch rope.
- Never use a winch or winch rope for towing. Impact loads can cause rope damage, overload, or rupture.
- Never use a winch to secure cargo.
- Never ingest alcohol or drugs before or during operation of the winch. Alcohol and drugs can slow down judgment and reaction time.
- Do not allow persons under the age of 16 to operate.
- Do not use the winch as a hoist.
- Do not immerse the winch in water.
- When fixing the vehicle for operating the winch, be careful not to damage the frame.
- When operating the winch, be sure to keep hair, necklaces and other jewelry, towels, clothes, etc. Away from the winch rope and hook.

Safety rules for winch operation:

- Before operating the winch, make sure to check the winch rope, hook and latch. If the winch rope is worn, twisted or damaged, it should be replaced immediately. Always replace damaged parts before proceeding.
- Before operating the winch, be sure to confirm the fixed state of the winch.
- Ensure that elements and obstructions that may prevent safe operation of the winch are removed.
- When pulling out or reeling in the winch rope, be sure to use the hook belt, and do not grasp the hook for operation.
- Always choose an anchor point as far away as possible.

- Allow sufficient working time for proper use of the winch assembly technique.
- Never connect or disconnect the clutch when the winch is loaded, when the winch rope is under tension, or when the drum is moving.
- Do not touch the winch rope or hook when the winch is working.
- Be sure to use a hook with a latch.
- Keep away from winch ropes and load objects during winch operation.
- Please directly wind the winch rope on the anchor point, and do not hang the hook on the winch rope for fixing. Use a plug chain or rope protector on the anchor point.
- Be sure to wind the winch rope in the direction indicated by the drum rotation indicator.
- Do not use the vehicle to "pull" the goods installed on the winch.
- Do not make the winch upward or downward, or form a sharp angle to both sides. Otherwise, the vehicle may become unstable, which may cause the vehicle to move suddenly.
- As far as possible, place frequently sliding objects directly in front of the vehicle and winch. If possible, avoid inclining the winch rope at an acute angle to the vehicle centerline. Use the grab block to change the traction direction.

⚠ Warning

Risk of falling or collision
Failure to follow these instructions may result in serious injury or death.

- When operating the winch, make sure that there are no other people or objects around.
- When operating the winch, keep away from the winch device to avoid getting your hands and body involved.
- When operating the winch, please check whether the vehicle and cargo are stable.
- When operating the winch, be careful not to let others approach.
- Warn surrounding personnel if an unstable condition occurs during winch operation.
- Do not operate the winch when the number of winding turns of the winch rope wound on the drum is less than 5. The winch rope wound on the drum cannot hold the load, so it can come off the drum.
- Never use a winch to lift or hang goods in a vertical direction.
- Make sure that the selected fixing position can withstand the required load.
- Never use a winch to lift or transport people.
- Do not pull out the winch rope by force.

⚠Warning

Danger of cuts and burns
Failure to follow these instructions may result in serious injury or death.
To avoid hand and finger injuries:

- Wear thick leather gloves when handling the winch rope.
- Even if wearing thick gloves, please do not let the winch rope slip through your hands to avoid hand injury.
- When pulling out or reeling in the winch rope, be sure to use the hook belt, and do not grasp the hook for operation.
- During or after the use of the winch, the surface of the motor, drum and rope of the winch may become hot. Do not touch them.
- When the winch is working, do not put your hands near the opening of the winch rope, hook and fairlead.

5.22.1 Basic operation of winch

Follow the instructions below. Before using the winch, please read the "General Safety Precautions" and "Safety Rules for Winch Operation" on the previous page.

Before you begin: You should understand that each winch is used differently.

- Take the time to think about what you want to do with the winch.
- When operating the winch, do not rush, but work slowly and carefully.
- Always be aware of your surroundings
- If the operating results are not as expected, it may be necessary to consider changing the working mode.
- While the capstan's capabilities are great, there are some situations that the winch alone can't handle. If necessary, please ask others for help.

1. Choose a flat, horizontal position.
2. Shift the shift lever to the "P" position and apply the parking brake.

Notes	Use a tire if necessary.

3. Unlock the clutch to release the winch drum.
4. Make sure that the hook is good and that the hook is securely fastened to the winch rope.
5. Pull the winch rope to the anchor point with the hook strap.

⚠Warning

- When pulling out or reeling in the winch rope, be sure to use the hook belt, and do not grasp the hook for operation.
- Do not operate the winch when the number of winding turns of the winch rope wound on the drum is less than 5. Otherwise, the rope may fall off the drum.

ⓘNotes	Please apply some tension to the winch rope. Otherwise, when the rope is loose, it may twist or wind too much, causing damage to the winch rope.

6. Secure the winch rope hook to the appropriate anchor point.

⚠Warning

- Please directly wind the winch rope on the anchor point, and do not hang the hook on the winch rope for fixing. Use a plug chain or rope protector on the anchor point.
- Do not use a "first aid belt" for winch operation. The first aid belt is designed to be retractable, and when the pull belt or winch rope breaks, it can release excessive force and cause serious injury or death. Use only undamaged, non-retractable tree straps or chains.

7. Install fixing rings at both ends of the rope protector or chain and pass the hooks through.

Notes	Do not tighten the latch (turn 1/2 after tightening).

8. Lock the clutch.

⚠Warning

Do not lock or unlock the clutch under the following conditions.

- When the winch is under load
- When the winch rope is in tension
- When the drum is in operation

9. Turn the winch switch to the "IN" side and slowly wind the winch rope until the winch rope is no longer loose.

⚠Warning

- When the winch rope is in tension, make sure that everyone around is far enough away.
- Do not cross the rope.

10. Before proceeding with the winch operation, make sure that all connections are secured and clear of obstructions.
11. Check the winding state of the winch rope.

Notes	Please wrap the winch rope completely around the drum. The winch rope may be damaged if it is wound incorrectly.

12. Place the damper midway between the winch and the anchor point to absorb the energy when the winch rope is loose. Heavy jackets, backpacks, tarps, or other soft and chunky items can be used in addition to dedicated damping. Branches can also be used as damping if no other items are available.
13. Before starting the operation, make sure that all personnel in the vicinity are fully aware of the operator's intentions.
14. Start the engine and slowly start the winch with the winch rope slightly tensioned.

Notes	Avoid continuous lateral pulling, or the winch rope may accumulate on one side of the drum. Accumulation of winch rope can damage the winch rope or winch.

15. Stop the winch when the work is complete or when it is possible to move the load without using the winch.
16. Release the tension from the winch rope.
17. Remove the winch hook from the anchor point.
18. Rewind the winch rope.

⚠Warning

- When pulling out or reeling in the winch rope, be sure to use the hook belt, and do not grasp the hook for operation.
- Even if wearing thick gloves, please do not let the winch rope slip through your hands to avoid hand injury.
- When the winch is working, do not put your hands near the opening of the winch rope, hook and fairlead.

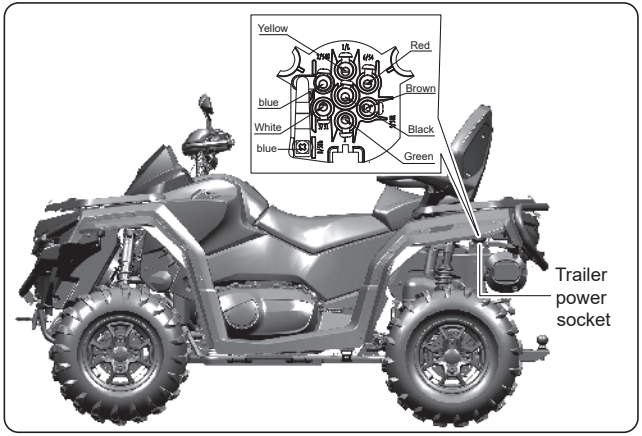
19. Lock the clutch to avoid accidental free sliding. Pull the hook strap to check that the clutch is locked.

⚠Warning

Before driving the vehicle, make sure the clutch is fully engaged and the winch rope is securely locked in place. Otherwise, the vehicle may be out of control due to the winding of the winch rope during driving, resulting in accidents.

5.23 Trailer power socket

This vehicle is equipped with a 7-pin 12V trailer power socket, located at the illustrated position on the left rear of the vehicle. Please use a connector according to the illustrated socket wiring specifications for connection and use.



Notes	• Please ensure to use a trailer connector that meets the specifications of the trailer power socket. • Regularly check if the trailer power socket and its wiring are working properly, and replace damaged components in time if necessary.

6. Before riding

6.1 Inspection before riding

For your safe, check your vehicle before each ride to make sure your ATV is in safe, working condition.

⚠Warning

If the inspection and maintenance of vehicles are not in place, it may increase the risk of accidents and equipment damage. Please do not drive the vehicle in case of any abnormality. If the problem is still not improved after the implementation of the steps provided in this manual, please go to the authorized dealer of QJMOTOR for inspection.

Before using the vehicle, check the following:

6.1.1 Fuel

- Before using the vehicle, please check whether there is enough fuel in the fuel tank. If the fuel is not enough, please add it in time. (See Page 51)
- Check for fuel leakage.

6.1.2 Engine oil

- Before using this vehicle, please check the remaining amount of engine oil. If it is necessary to add engine oil, please use the engine oil brand designated by Qianjiang and add it to the specified amount. (See Page 103)
- Check the engine oil for leakage.

6.1.3 Gearbox engine oil

- Check the engine oil for leakage.

6.1.4 Coolant

- Check the coolant level in the reservoir, and supplement the recommended coolant to the specified level if necessary. (See Page 110)
- Check the cooling system for leaks.

6.1.5 Front differential gear oil

- Check for gear oil leakage.

6.1.6 Rear differential gear oil

- Check for gear oil leakage.

6.1.7 Throttle handle

- Check whether the operation of the accelerator handle is smooth.
- Check the clearance of the handle and adjust it if necessary (See Page 114)

6.1.8 Brake handle

- Check whether the brake handle operates smoothly.

6.1.9 Brake pedal

- Check whether the brake pedal operates smoothly.
- Check whether the clearance of the brake pedal is normal. If it is not within the specified range, please go to the authorized dealer for adjustment.

6.1.10 Brake fluid level

- Check the brake fluid level. Replenish brake fluid if necessary. (See Page 114)

6.1.11 Leakage of brake fluid

- Check whether there is brake fluid leakage at the pipe connection or the brake fluid reservoir. Pinch the brake handle for one minute, slowly release the handle or brake pedal, and observe whether there is liquid leakage. If so, please go to the authorized dealer of QJMOTOR to check the brake system.

6.1.12 Braking operation

- After starting, test the braking effect at low speed to ensure its normal operation. If the brakes do not provide good braking performance, check the brake pads for wear. (See Page 118)

6.1.13 Tire

- Check the appearance and tread depth of the tire. (See Page 120)
- Check the tire pressure. (See Page 121)

6.1.14 Axle sleeve

- Check whether there is any crack or damage, and whether there is grease attached. (See Page 118)

6.1.15 Torque of each part of vehicle body

- Check whether the rim and axle nuts are tightened to the specified torque.
- Use a wrench to check whether the torque of all nuts, bolts and fastening parts that can be touched by the wrench reaches the specified range.

6.1.16 Keys, lighting and switches

- Check for proper operation.

6.1.17 Winch

- Check whether the winch hook and rope are loose and overhanging.
- Check that the winch clutch is locked (good contact).

6.1.18 Precautions for safe driving

Before using the ATV for the first time, note the following:

- Please read the contents of this instruction manual and the ATV safety warning label carefully.
- Be aware of all safety precautions.

- Know all operating methods.

Before riding, make sure that:

- Be happy and in good physical and mental condition.
- Wear certified motorcycle helmets (those with chin straps), eye protection, and other protective clothing
- Not drinking alcohol or taking medication.

6.1.19 Driver training

Never operate an ATV without proper instruction. Beginners must receive training as certified instructors. For training courses, please contact the authorized dealer of QJMOTOR.

⚠Warning

Operating this ATV without proper instruction increases the risk of an accident that may result in serious injury and death.

6.1.20 Protective clothing

To reduce the risk of accidental injury, always wear the following protective equipment.

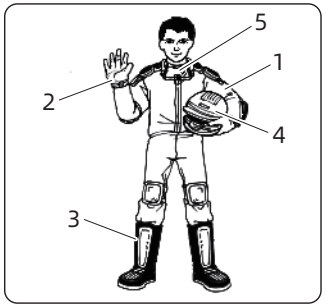
- Certified helmets that fit motorcycles
- Eye protection (goggles, helmet shields, or safety glasses)
- Riding boots, gloves, long-sleeved shirts or jackets, long pants

The use of certified helmets and other personal protective equipment can be effective in reducing the severity of injuries in the event of an accident.

Wear protective glasses when driving an ATV to reduce the risk of a major accident or injury. Wearing protective masks, goggles, etc. for eyes protection can help reduce the risk of foreign bodies entering the eyes and prevent vision loss.

⚠Warning

When driving on too rough, slippery or loose terrain, please pay special attention to the possibility of losing control of traction and ATV, resulting in rollover and other accidents.

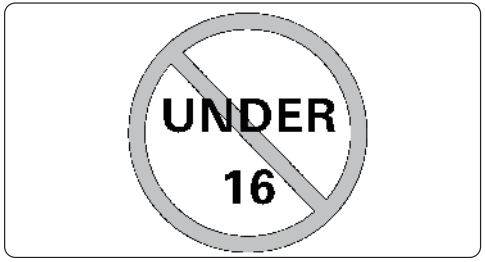


1. Protective clothing
2. Gloves
3. Boots
4. Helmet
5. Goggles

6.1.21 Recommended age

⚠ Warning

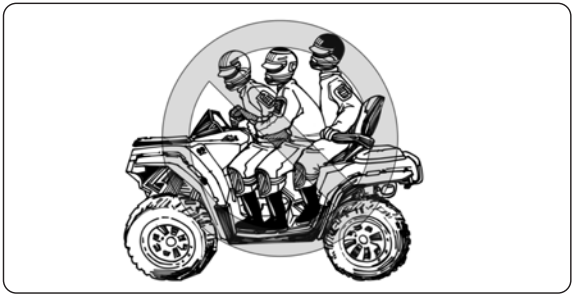
Do not allow anyone under the age of 16 to drive an ATV with an engine capacity of more than 90cc. Otherwise, you may lose control of the vehicle during driving, causing serious injury or even death.



6.1.22 Passenger

⚠ Warning

Do not allow passengers to sit on the driver seat cushion to prevent them from operating the vehicle. Do not carry passengers on the front and rear shelves.



6.1.23 Prohibition of alcohol and drugs

The effects of alcohol and drugs can reduce a driver's ability to operate. When a driver ingests alcohol and drugs, his judgment is significantly affected, not only his reaction is slowed down, but also his sense of balance and perception.

⚠Warning

Do not drink alcohol or take drugs before or while driving this ATV. Otherwise, accidents may occur.

6.1.24 Loading

The loading capacity and loading method of ATV are very important to safety. Please observe the following guidelines when carrying cargo and towing.

⚠Warning

Overloading of goods, improper loading of goods or overloading of passengers may lead to collision, resulting in serious injury or even death.

6.1.25 Precautions for cargo carrying and towing trailers

The ATV is designed to carry a specific amount of cargo.

Acceleration, braking, and handling of the ATV are affected due to cargo carrying and trailer towing. When carrying cargo or towing a trailer, follow the instructions below and always use common sense and good judgment.

Do not exceed the vehicle's maximum cargo limit (see "Maximum Cargo Limit" in this section or on the vehicle's warning label). Loading restrictions apply to standard equipment only. Adding accessories, retrofitting an ATV, using non-standard equipment, or driving over uneven terrain may further reduce loading restrictions.

Maximum load limit:	290Kg (640lbs)
ATV load limit (total weight of cargo, driver, accessories, and tongue):	300Kg (661lbs)
Front shelf:	45Kg (100lbs)
Rear shelf:	90Kg (200lbs)
Rear storage box:	5Kg (11lbs)
Trailer hook:	4410N (450kgf, 992lbs)
Towed load (total weight of trailer and cargo):	4410N (450kgf, 992lbs)
Tongue weight (vertical weight of trailer ball joint):	245N (25kgf, 55lbs)

The weight of the connecting tongue can be measured with a general weight scale. Level the trailer with a tongue Jack or other support, then place the gauge under the tongue to take the measurement.

6.1.26 Loading criteria

When carrying goods or towing trailers, the handling of ATV will be affected, and the ability of acceleration, braking, steering and other operations will be greatly reduced.

- Be sure to observe the weight limit and follow the guidelines below.
- Do not place goods anywhere other than on the ATV front shelf, rear shelf, or rear storage box. Otherwise, the driving stability of the vehicle may be impaired.
- Do not tie the rope and cable to the trailer seam for traction. Otherwise, ropes, cables, etc. May be drawn into the rear wheels, causing damage to the vehicle and personal injury.
- Depending on the weight of the added accessories, the maximum loading limit may be reduced.
- Make sure that the goods do not extend beyond the edge of the front or rear shelves.
- Before driving the vehicle, make sure that all goods are securely fastened.
- Please balance the weight of the goods left and right.

- All goods shall be loaded as low as possible to reduce the impact on the center of gravity of the vehicle. It is also necessary to divide the weight of the goods equally left and right. Please place the goods at the rear of the front shelf and the front of the rear shelf, so that the weight is concentrated in the center of the vehicle, thus maintaining the stability of the vehicle.
- Pay attention to balance and stability when towing the trailer. Please distribute the cargo to the front and rear of the trailer for the recommended towing weight.
- When towing a trailer, be sure to use the ball head to fix the trailer hook. Do not exceed the weight limit of the tongue.
- In order to avoid the wear of the clutch and the burden of the driving belt, please always use the low gear during traction.
- Please slow down when towing the goods.
- Do not make the traction speed exceed 15km/h. The vehicle speed shall not exceed 8 km/h (5 mph) when towing a load in rough terrain, turning, or going up or down a hill.
- When carrying goods or towing a trailer, leave room for the vehicle to start, stop and turn.
- When carrying goods or towing a trailer, avoid driving on steep slopes.
- When towing a trailer, do not cross the ramp.
- When driving in the undulating terrain and hilly areas, please slow down and reduce the load to maintain a stable driving state.
- Be careful when braking in the loaded state. Avoid terrain and conditions that may cause a slippery slope.
- If the vehicle is loaded with high cargo, the center of gravity of the vehicle will become high and the operation of the ATV may become unstable. When the center of gravity of the cargo is high, the load shall be reduced. When carrying goods with eccentric load, please be sure to fix the goods and drive carefully.
- If the goods are placed only on the front or rear shelves, it is likely that the vehicle will topple due to loss of balance. Make sure that the load is balanced between the front and rear shelves. Also, do not exceed the specified load limit.

6.1.27 Driving in the dark

Do not operate the ATV in the dark unless equipped with powerful headlights. Off-road driving is inherently dangerous, and there are usually no street lights on off-road roads to indicate the road.

6.1.28 Running-in driving

The first 25 hours (200km, 124mph) of vehicle operation is referred to as the run-in period. During the break-in drive, the throttle should not exceed the 1/2 open position.

6.1.29 Vehicle modification

We strongly recommend that you do not remove the original equipment or make any modifications to alter the design or operation of the ATV. Such changes may seriously impair the handling, stability, and braking of the ATV, resulting that the vehicle cannot be driven safely.

We also recommend that you do not modify or remove any equipment that would cause an ATV violation (e.g., spark collector or emission control system assembly), and that removing or modifying light device, exhaust systems, exhaust gas control system, or other equipment could cause an ATV violation. Be sure to comply with your location relevant regulations on vehicle modification in the region.

⚠ Warning

Operating this ATV in an improperly modified condition may affect the handling of the vehicle and may result in an accident in some cases.

7. Riding Method

Please read this instruction manual carefully before riding the ATV. This chapter introduces the basic operation method of ATV. If you have other operations or functions that you do not understand, please contact the authorized dealer of QJMOTOR.

7.1 Start the engine

⚠Warning

Do not operate the engine in an enclosed area. Engine exhaust contains toxic carbon monoxide, which can cause loss of consciousness and even death. Be sure to start the engine in a well-ventilated place such as outdoors.

This ATV is equipped with an ignition circuit cutoff system. The following conditions must be met in order to enable the engine starting circuit.

- The shift lever is in the neutral or park position.
- Depress the brake pedal.

1. Release the parking brake. (See Page 117)
2. Turn on the main switch and set the engine stop switch to ⟳(ON).
3. Depress the brake pedal and shift the shift lever to the neutral or park position.
4. Pinch the brake handle or depress the brake pedal.
5. Close the accelerator handle completely and press the start switch to start the engine.

Notes	• Do not start the engine for more than 3 seconds. If the engine fails to start, release the start switch, wait for a few seconds, wait for the battery voltage to recover, and then press the start switch to restart. The time to start the engine should be as short as possible so as not to burden the battery. • In order to maximize the service life of the engine, do not accelerate rapidly when the engine temperature is low.

7.2 Tilt sensor ignition cutoff system

The ignition cutoff system for the vehicle tilt sensor is designed to automatically shut down the engine when the vehicle rolls over.

Before restarting the engine, the main switch must be placed in the OFF position and then returned to ON position. The engine cannot be restarted until this procedure is performed.

7.3 Departure

Set the shift lever to "H" (high gear) or "L" (low gear).

Release the parking brake.

Push the throttle handle forward to increase the engine speed gradually.

Notes	Practice starting and stopping the vehicle (using the brakes) until you are familiar with the driving operation of the vehicle

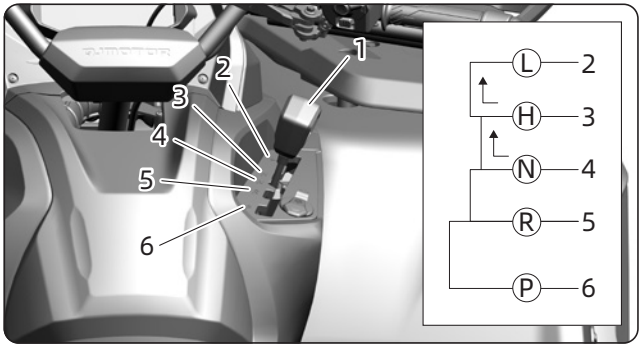
7.4 Operate the shift lever

Attention
• Do not shift gears before the vehicle stops completely and the engine returns to normal idle speed. Failure to do so may result in engine and driveline damage. • During continuous low-speed driving and towing, do not use the high gear. Otherwise, the power transmission mechanism may be overheated and the components may be damaged.

Notes	• If the gear indicator is not displayed, please visit the authorized dealer for inspection. • Due to the synchronizing mechanism of the engine, the indicator may not be on until the ATV begins to travel.

7.4.1 Shift: neutral → high gear, high gear → low gear

1. Stop the ATV completely.
2. Depress the brake pedal and move the shift lever along the shift guide mechanism to shift.



1. Shift lever
2. L (low gear)
3. H (high gear)
4. N (neutral gear)
5. R (reverse)
6. P (park)

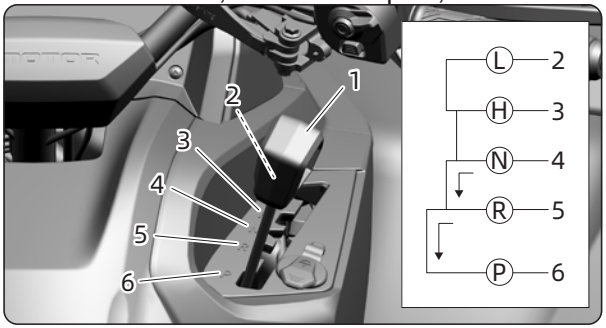
3. Release the brake pedal and slowly push the accelerator handle.

7.4.2 Shift: Neutral → Reverse, Reverse → Park

Warning

Improper reversing can cause serious injury by hitting obstacles and people behind you. When shifting to reverse gear, make sure there are no people or obstacles behind you. Make sure it's safe, and then back up slowly.

1. Stop the ATV completely.
2. Depress the brake pedal.
3. Move the shift lever along the shift guide to shift from neutral to reverse, or reverse to park, or vice versa



1. Shift lever
2. L (low gear)
3. H (high gear)
4. N (neutral)
5. R (reverse)
6. P (park)

7.5 Parking

1. To park the ATV, turn off the engine, depress the brake pedal, and then shift the shift lever to the "P" (Park) position.

Warning

When pushing the ATV by hand, do not place the shift lever in the "P" (Park) position, or the transmission may be damaged.

2. Enable the parking brake.

7.5.1 Ramp parking

Attention

- Avoid parking on hills or other ramps unless you have to. Parking on hills or other ramps can cause the ATV to lose control and increase the risk of an accident. If you have to park on a ramp, place the ATV across the ramp, turn off the engine, then place the shift lever in the "P" (park) position and block the front and rear wheels with a stone, etc.
- Never park an ATV on a steep ramp that is difficult to climb on foot.

7.6 Shift lever anti-theft lock

When parking outdoors or not using the vehicle for a long time, please lock the gearbox to avoid theft of the vehicle.

Place the shift lever in the "P" position, open the anti-theft lock cover, insert the key and turn it clockwise by 180 degrees to lock the shift lever.

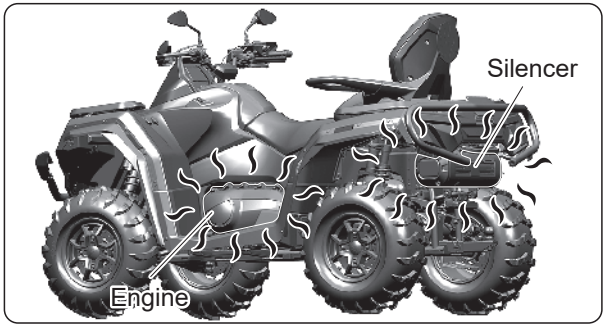
7.7 Exhaust system

The temperature of the muffler and other engine components is very high during operation, and the engine is still hot after flameout. Avoid the accumulation of brush, grass, and other flammable materials under the vehicle, near the muffler or exhaust pipe, or other hot parts to reduce the risk of fire after driving or leaving the ATV. After driving in a place where combustibles may accumulate, check whether there are combustibles attached under the vehicle. Do not idle or park on dry ground with long hay.

Do not touch the exhaust system to avoid burns. The ATV should be parked in an area that is not easily accessible to pedestrians and children.

⚠Warning

The exhaust system can become hot during and immediately after ATV operation. Exhaust systems at high temperatures can cause severe burns and fires. Do not touch the exhaust system that is too hot. Make sure that flammable materials are kept away from the exhaust system. Use extreme caution when driving your ATV through tall grass, especially hay.



8. Safe Driving

Before you drive this ATV for the first time, review Chapter 6, "Before riding," and Chapter 7, "Riding Method"

Even if you have driven other ATVs before, please take the time to understand how this ATV works and how it operates. Practice in a safe area until you become familiar with the size and weight of this ATV and master the skills.

8.1 Off-road use

It is recommended that you use this vehicle for off-road purposes, this vehicle is not designed to be operated on paved surfaces, please avoid driving on paved surfaces as much as possible.

Some countries and regions prohibit this type of vehicle from being driven on paved roads, so please be sure to check your location relevant regulations, and in areas where regulations prohibit it, please use a trailer, truck, etc. to transport this vehicle on paved roads.

⚠Warning

Driving on paved roads may affect the operation and control and may result in loss of vehicle control.
Operating an ATV on a road, street or highway may result in a collision with another vehicle.

If paved road driving cannot be avoided, drive by following these instructions:

- Reduce speed and avoid sudden turning, accelerating or braking.
- Keep a close eye on other vehicles on paved surfaces and try to avoid approaching them.
- When crossing a paved road, always look left and right to see if there are vehicles approaching at either end of the road both ends.

8.2 No access to private property

Do not ride in areas marked "No Entry".

Do not ride on private property without permission.

8.3 Riding terrain

Be sure to check for hidden obstacles and hazards before riding in a new area. Slow down until you know where you are going to ride. For a safe and enjoyable ride, you should know the terrain you plan to ride and be familiar with the ATV and its handling characteristics.

Ride through established trails and avoid overly rough, slippery, and loose terrain. Do not attempt to step over an obstacle that is too large. Driving under the above dangerous conditions may cause the vehicle to lose control and cause accidents. Drive with caution when your vision is limited, as you may not be able to see obstacles in your way.

⚠ Warning

If you do not have enough time to react to a hidden rock, ridge, or pothole in the ground, the ATV may lose control or roll over. When driving on unfamiliar terrain, please be careful to drive slowly. Always be aware of changing terrain conditions when operating the ATV.

Do not drive on rough, slippery, or loose terrain until you have learned and practiced the skills necessary to control your ATV on such terrain.

Use extreme caution when driving on this type of terrain.

⚠Warning

When driving on terrain that is too rough, slippery, or loose, extreme care must be taken to avoid loss of traction or control of the ATV, which could result in a rollover or other accident.

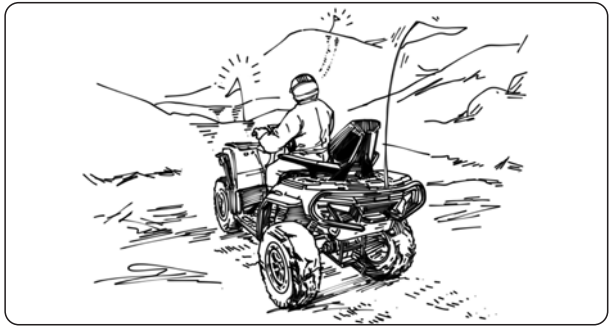
8.4 Areas of low visibility

When riding in the desert, hills, or other areas with low visibility, a warning flag should be hung on the ATV. In addition, when riding in some areas, warning flags must be hung due to regulatory requirements. View your local laws before riding.

⚠Warning

Collisions with other vehicles may occur in off-road areas with poor visibility.

Please hang a warning flag on the ATV to make it more visible and always be aware of other vehicles.

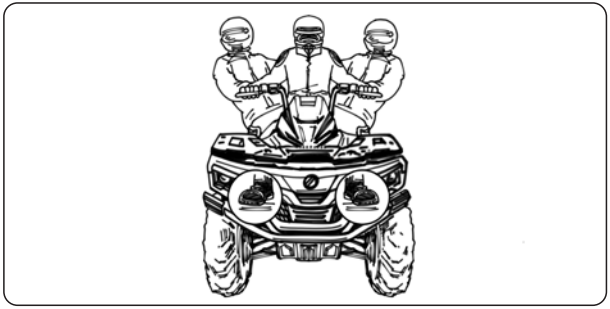


8.5 Feet on pedals and hands on handlebars

When driving an ATV, always keep your hands on the handlebars and your feet on the pedals. This is important for maintaining balance and controlling the vehicle. Removing even one hand from the handlebars or one foot from the foot pedal can reduce your ability to control the ATV or cause you to lose your balance and fall off the ATV.

⚠ Warning

If you take your hands off the handlebars or your feet off the soles while driving the ATV, it may reduce your ability to control the ATV or cause you to lose your balance and fall off the ATV.
Always keep your hands on the handlebars and your feet on the pedals during operation.

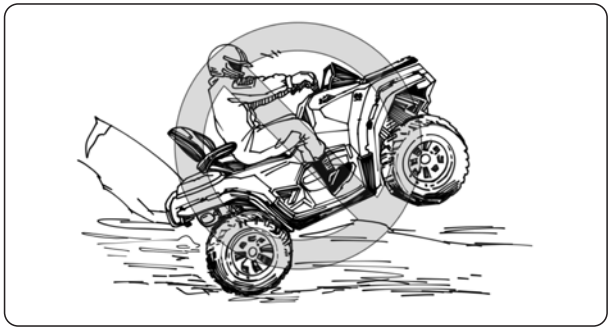


8.6 Do not attempt stunts

Always operate your ATV in a safe and reasonable manner. Always drive with all four wheels on the ground.

⚠ Warning

Attempting rear wheel balancing stunts, jumps, or other acrobatic maneuvers increases the risk of rollovers and other accidents. Do not attempt these stunts in an attempt to show off.



8.7 Steering

When driving off-road, both rear wheels turn together at the same speed for maximum traction. In addition, when driving in "F-LOCK" mode, the front wheels will also rotate at the same speed. As a result, the ATV will not be able to change direction unless the wheel on the inside of the turn slides or loses traction. For an ATV to turn quickly and easily, special steering techniques must be used. It is very important to master this technology, and at the beginning of learning, you can gradually adapt to driving slowly.

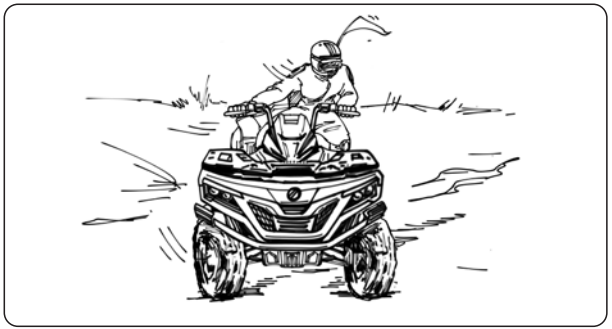
⚠ Warning

Follow the correct steering procedure in this manual. Practice steering at a low speed before you steer at a faster speed. Never steer at speeds that are too fast for your skills or circumstances, or you may lose control of your ATV, causing a crash or rollover.

As you approach a curve, reduce your speed and start turning the handlebars in the desired direction. At this point, place your weight on the foot pedal on the outside of the direction of the turn (opposite

to the desired direction) and lean your upper body toward the direction of the turn.

During steering, the throttle handle should be used to maintain a constant speed. This action causes the wheels on the inside of the turn to slip slightly, allowing the ATV to steer properly.



1. Tilt to the inside of the turn.
2. Support your weight with the outside pedal.

Practice this procedure several times at low speed on a large off-road course with no obstacles. Using the wrong technique can cause the ATV to continue in a straight line. If the ATV is unable to turn, stop and re-practice this procedure. If the road is wet or loose, it is better to move the center of gravity forward on the seat cushion so that the front wheel bears more load.

If you master this technique, you should be able to perform this at faster speeds and in tight turns.

Incorrect procedures such as sudden throttle acceleration, hard braking, improper body movement, or excessive cornering speed can cause the ATV to roll over.

If the ATV starts to lean out during the turn, lean the upper body further in. To avoid a rollover, you may need to gradually reduce the throttle and steer to the outside of the turn.

Avoid driving at high speeds until you are fully familiar with ATV operation.

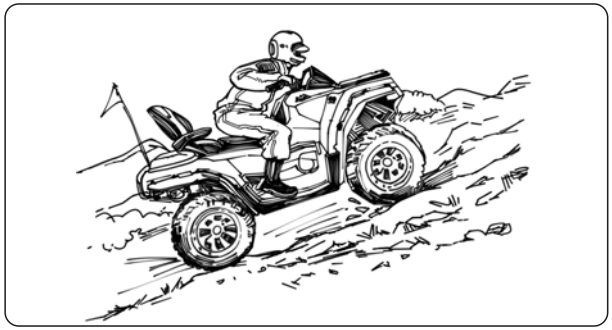
8.8 Driving uphill

Do not attempt to drive uphill until you have mastered the basics on level ground. Before driving uphill, carefully check the terrain and avoid slopes with wet or loose roads, or slopes with obstacles that may cause the vehicle to lose control.

⚠Warning

Incorrect uphill driving can cause the vehicle to topple or lose control. Please use the correct driving method described in this instruction manual.

- Never drive ATV on hills that are too steep for the ATV or your ability. ATVs are more likely to roll over on very steep hills than on flat roads and small hills.
- Be sure to check the terrain carefully before you start driving uphill. Do not climb slopes on excessively slippery or loose surfaces.
- Move your center of gravity forward.
- Do not open the throttle suddenly, the ATV may roll over backwards.
- Do not cross the hill at high speed. There may be an obstacle, a steep descent, or other vehicles or people on the other side of the hill.
- Do not attempt to steer the ATV on a hill until you have mastered the flat steering techniques described in the instructions. Use extreme caution when making turns on ramps.
- Avoid crossing the side of steep slope as much as possible.
- When crossing the side of a hill, shift the center of gravity to the uphill side of the ATV.



Climbing a hill requires traction, power, and a steady throttle. If you want to increase traction and control when climbing steeper or rougher slopes, choose 4WD or F-LOCK. This allows you to climb as fast as possible while maintaining power, but don't increase your speed too fast to respond to terrain changes.

When climbing a hill, be sure to move your center of gravity forward on the ATV. This can be done by leaning forward in a sitting position, or on a steep slope, standing on the footrest, holding the handlebars, and leaning forward. Climb as straight as possible.

When you reach the top of the slope, slow down if you can't see the other side. There may be obsta-

cles, steep descents, or other vehicles or people on the other side. Use common sense and remember that some hills are too steep to climb and descend.

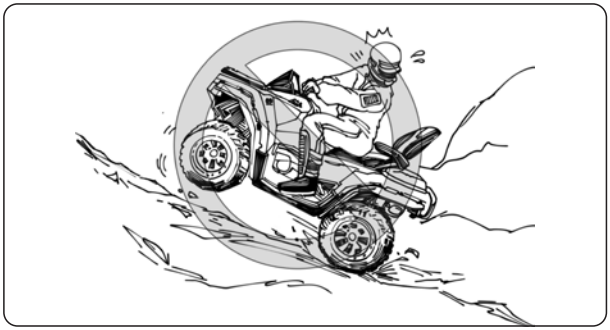
If, on the way up, you realize that you have not properly evaluated your ability to reach the top of the hill, change the direction of the ATV while you still have room to continue, and then go down the hill.

If the ATV stalls or stops and you think you can continue up the hill, restart carefully as the front wheels may float and you may lose control. If you cannot continue the climb, get off on the uphill side. Manually turn the direction of the ATV and go downhill.

If the ATV begins to reverse, do not apply the emergency brake. If it is the "2WD" mode, just pinch the brake handle. When the vehicle has come to a complete stop, depress the brake pedal and shift to the PARK position. In "4WD" mode, since all the wheels are connected by the drive system, any braking will brake all the wheels, which will cause the wheels on the uphill side to float, so avoid emergency braking of the front and rear wheels. The ATV can easily roll over backwards, so do not apply the emergency brake. When the ATV comes to a complete stop, shift to PARK and immediately exit the vehicle on the uphill side of the ATV. If the ATV is heading straight uphill, exit the vehicle on the uphill side or side. Follow the steps in this manual to turn the ATV around and get on the vehicle again.

⚠ Warning

Stalling on a hill, starting to back up, or getting off improperly can cause the ATV to roll over. If you cannot control the ATV, exit the vehicle immediately from the uphill side.



8.9 Crossing the hillside

Driving an ATV on an slope requires correct placement of gravity and balance. Be sure to master the basic riding skills on the flat before you cross the hill. Avoid slippery slopes and rough terrain where you may lose your balance.

⚠Warning

Going over a hill or swerving on a hill incorrectly can result in a loss of control or an ATV rollover.

- Do not drive on the slope too steep for the ATV or your ability. Be sure to follow the correct operating steps in the instruction manual.
- Avoid driving on excessively slippery and loose slopes.
- Do not cross steep hills.
- Move the center of gravity to the uphill side of the ATV.
- Do not attempt to change the direction of the ATV on a ramp until you have mastered the flat steering techniques described in this manual. Use extreme caution when making turns on ramps.

When driving uphill, the body should be inclined to the uphill direction. When driving on loose roads, it may be necessary to point the front wheels slightly uphill to correct the steering. When driving on the ramp, no matter uphill or downhill, be careful not to make a sharp turn.

When the ATV begins to roll over, gradually move the steering in a downhill direction with no obstacles in the way forward. When the balance is restored, gradually move the steering in the desired direction.

8.10 Driving downhill

Slow down or stop at the top of the slope, then choose a safe road with a clear view ahead to go down the hill to avoid obstacles.

⚠ Warning

Going downhill improperly can result in a rollover and loss of control. When going downhill, follow the correct procedure described in this instruction manual.

- Be sure to check the terrain carefully before going downhill.
- Never drive ATV on hills that are too steep for the ATV or your ability. ATVs are more likely to roll over on very steep hills than on flat roads and small hills.

When driving the ATV downhill, move the center of gravity as far as possible to the uphill side of the rear of the ATV. Sit on the back of the seat cushion with your arms straight. Engine braking is used in most cases. To maximize the effect of engine braking, select a low gear before going downhill and change the drive mode to "4WD".

Use extreme caution when descending a slope with loose or slippery pavement. Braking ability and traction may be adversely affected on these surfaces. Improper braking can also result in a loss of traction.

If the vehicle is in the "4WD" condition, all wheels (front and rear) are connected to each other through the driveline. This means that when the front or rear wheels are braked, all wheels are braked. When going downhill, operating the brake handle or brake pedal will brake the front wheel on the downhill side. Avoid emergency braking of the front and rear wheels, as the wheels on the uphill side may float off the ground. Brake the front and rear wheels slowly.

When possible, go straight downhill. Avoid steep slopes that could cause the ATV to roll over. Choose your route carefully and don't drive at a speed where you can't react to a sudden obstacle.

8.11 Sliding and sideslip

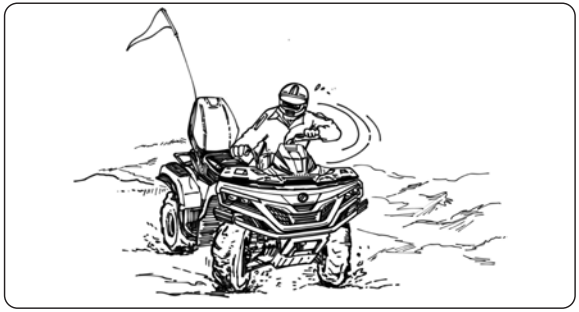
Be careful when driving on loose or slippery surfaces, the ATV may skid. Accidental and uncontrollable sliding can lead to accidents.

⚠Warning

Incorrect sliding or sliding may cause you to lose control of your ATV. Also, it is possible to accidentally regain traction and cause the ATV to roll over.

- Practice on flat, smooth terrain at low speed to learn how to safely control sliding and sideslip
- When driving on very slippery roads such as ice, please drive slowly and carefully to reduce the possibility of skidding or losing control.

On loose or slippery surfaces, the tendency of the front wheel to slip can be reduced by applying body weight to the front wheel.



When the rear wheels of the ATV begin to slip, control can usually be restored by steering in the direction of the slip. No braking or acceleration is recommended until the sideslip has been corrected.

8.12 Driving across water

Attention

After the ATV is in the water, be sure to check and service the vehicle according to the periodic inspection table in this manual

Pay particular attention to the following:

- If the engine oil and transmission oil are milky white, it means that water is mixed.
- Check all lubricating points (whether the lubricating oil disappears)

8.12.1 Crossing of a shoal

The ATV is designed to move in shallow water with a maximum depth of approximately 450mm (17.7in). Before crossing the river, make sure the water is not too deep or too fast.

⚠Warning

ATV tires have some buoyancy. Operating this ATV in deep water or under water with fast currents may result in loss of traction and loss of control or even capsizing. Use caution when wading to reduce the risk of drowning or other injury. Do not operate this ATV in fast-moving water or in water deeper than specified in these instructions.

When crossing shallow water, follow the steps below.

1. Choose a road with a gentle slope on both sides.
2. Move slowly and evenly through the water.
3. Watch out for underwater obstacles and slippery rocks.
4. Be sure to test the braking effect of the front and rear wheels after getting out of the water.

- When driving in the water, the operating efficiency of the brake is lower than the normal level, resulting in reduced braking capacity
- Repeat braking, if necessary, until the brakes are dry and working properly.

⚠ Warning

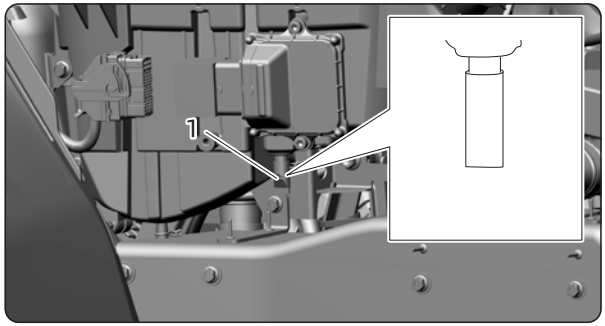
Wet brakes can reduce braking capacity and may cause loss of vehicle control.

8.12.2 After driving across water

After the ATV is running in the water, the drain plug at the bottom of the air filter box should be removed to ensure that the water is drained. Please go to the authorized dealer for treatment.

Attention

If the water is not drained, damage or malfunction may result.



1. Air filter drain pipe plug

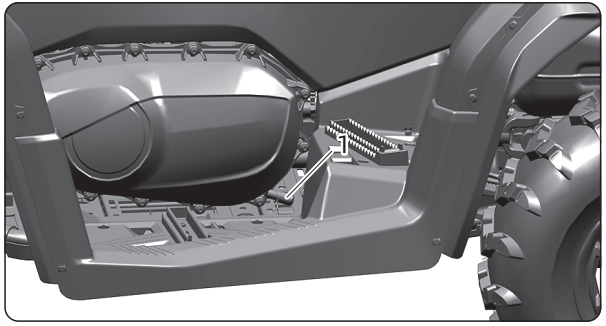
8.12.3 Drying of CVT

Water entering the V-belt box may cause the V-belt to slip, resulting in reduced performance. The water shall be drained through the drain plug of the V-belt box. Dry the CVT by draining the water from the V-belt case as follows.

1. Remove the drain plug from the V-belt case to drain the water.
2. Switch to neutral and set the parking brake.
3. Push the throttle handle and increase the engine speed for a few minutes to dry the CVT.
4. Install the drain plug.
5. Release the accelerator handle, switch to low

gear, and test the vehicle performance.

6. Repeat the above steps as necessary until the water is completely drained. If there is still a problem with the performance of the vehicle, please contact the authorized dealer of QJMOTOR.



1. Drain plug of V-belt box

Attention
If the vehicle is not thoroughly inspected after driving across water, it may cause serious engine damage. If water enters the V-belt case, dry the CVT as described in this manual. If the wading depth of the vehicle exceeds the regulations or stalls, please contact the authorized dealer of QJMOTOR immediately to repair the vehicle. Be sure to contact your dealer for service before starting the engine, as water can seep into the air box and engine.

9. Maintenance

Regular inspection, adjustment and lubrication will keep your vehicle as safe and efficient as possible. Please check regularly according to the maintenance schedule according to the use of ATV. It is the owner's responsibility to conduct maintenance. Before driving the vehicle, be sure to check it regularly according to the maintenance schedule.

⚠ Warning

If the ATV is not properly maintained, or the problem is not troubleshot before driving the vehicle, it could result in an accident that could result in serious injury or death. Please carry out inspection and maintenance according to the maintenance schedule in this manual. If you are not familiar with the maintenance of the vehicle, please consult the authorized dealer of QJMOTOR.

The maintenance intervals given in the Scheduled Maintenance Table should be regarded as a general guide under normal driving conditions. However, shorter service intervals may be required depending on weather, terrain, geographical location and personal use.

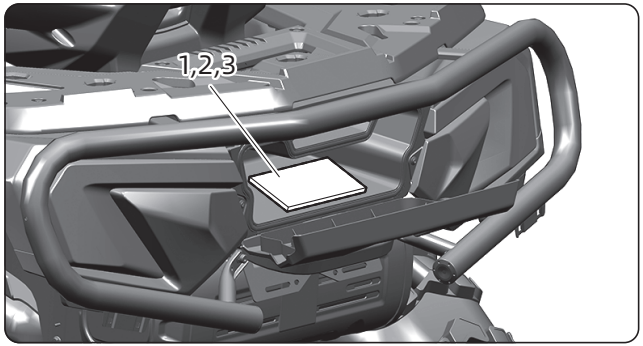
⚠ Warning

Turn the engine off unless otherwise indicated during maintenance.

- Engines in operation contain moving parts that can catch on the body and clothing, as well as electrical parts that can cause electric shock and fire.
- Starting the engine during maintenance may result in eye injury, burns, fire, carbon monoxide poisoning, and in some cases, death.
- Before maintenance, please confirm that the brake, muffler, engine and other heating parts have been cooled before operation. Failure to do so may result in burns.

9.1 Instruction manual and tool kit

Always store this instruction manual, the tool kit, and the low-pressure tire pressure gauge with the vehicle. Be sure to protect the IFU in a plastic bag and keep it in a waterproof plastic file box.



1. Instructions for use
2. Low-pressure tire pressure gauge
3. Tool kit

The tools in this kit are designed to help perform preventive maintenance and minor repairs. Therefore, additional tools, such as torque wrenches, are required to perform certain maintenance correctly.

Notes	If you do not have the tools or experience required for the job, please contact an authorized dealer of QJMOTOR. ● Maintenance is based on the distance traveled, month, and time of day, whichever comes first.

9.2 Regular maintenance table

9.2.1 Running-in period maintenance table

Perform the following service items at the expiration of the 20-hour or specified mileage interval, whichever comes first.

Item		Running-in period maintenance (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
	Conventional lubrication	Every 20 hours	-	200 (320)	Lubricate all grease points, fittings, cables, etc.
	Engine oil/oil filter element/oil filter screen	Every 20 hours	-	200 (320)	Replace the engine oil and filter element. Clean the coarse screen.
▸	Engine air filter element	Every 20 hours	-	200 (320)	Check and replace if dirty; do not clean.
■	Engine valve clearance	Every 20 hours	-	200 (320)	Check and adjust if necessary
	Front and rear axle oil	Every 20 hours	-	200 (320)	Check the oil level and check for oil leakage
	Coolant	Every 20 hours	-	200 (320)	Check the liquid level and check for leakage
▸	Brake pads	Every 20 hours	-	200 (320)	Check brake pad thickness

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Item		Running-in period maintenance (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
	Battery	Every 20 hours	-	200 (320)	Check terminals, clean, test battery condition if necessary
■	Idle condition	Every 20 hours	-	200 (320)	Check the appropriate speed. If it does not meet the parameters or is unstable, please contact the dealer for maintenance.
■	Steering/wheel alignment	Every 20 hours	-	200 (320)	Check the steering system and, if necessary, contact the dealer for wheel alignment.
▸	Brake pedal/brake lever	Every 20 hours	-	200 (320)	Check function and adjust if necessary.
	Axle body, constant speed half shaft and transmission shaft	Every 20 hours	-	200 (320)	Check for oil leaks.
	Engine oil pipe, gaskets and seals	Every 20 hours	-	200 (320)	Check for leakage.

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

9.2.2 Regular maintenance table

After the 20-hour running-in period, the maintenance shall be carried out according to the maintenance schedule interval, and take the item whichever comes first.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule (month)	Miles (km)	Remarks
▸	Brake pads	Every 10 hours	Each month	100 (160)	Check the brake disc thickness.
	Battery	Every 20 hours	-	200 (320)	Check the terminal. Clean and test the condition of the battery if necessary.
	Engine oil pipe, gaskets and seals	Every 20 hours	-	200 (320)	Check for leakage.
▸	Air filter element	Every 50 hours	-	500 (800)	Be sure to check before riding, or more frequently if subjected to poor use. If it is dirty, replace it in time and do not clean it.
▸	CVT inlet screen/filter element	Every 50 hours	-	500 (800)	Clean the filter screen or filter element, and replace the filter screen or filter element if necessary.
▸	Conventional lubrication	Every 50 hours	Every 3 months	500 (800)	Lubricate all oiling points, cables, etc.

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule (month)	Miles (km)	Remarks
▸	Front differential gear oil	Every 100 hours	Annual	1000 (1600)	Check the oil level and replace annually if the hour or distance reading is not reached.
▸	Rear differential gear oil	Every 100 hours	Annual	1000 (1600)	Check oil level and replace annually if hour and distance readings are not reached.
▸	Engine oil/filter element change/coarse oil filter screen	Every 100 hours	Annual	1000 (1600)	Check for color changes. If dirty, replace and clean the coarse screen. If the hour or distance interval is not reached, replace it every year.
	Cooling system	Every 50 hours	Every 6 months	500 (800)	Test the coolant strength and pressure test the system annually.

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
▸	Radiator	Every 50 hours	Every 6 months	500(800)	Test and clean the external surface. Clean more frequently if subjected to harsh use.
■	Steering system	Every 50 hours	Every 6 months	500(800)	Check and lubricate
▸	Front suspension	Every 50 hours	Every 6 months	500(800)	Lubricate and inspect fasteners
▸	Rear suspension	Every 50 hours	Every 6 months	500(800)	Lubricate and inspect fasteners
▸	Gear Shifting	Every 50 hours	Each month	500(800)	Check, lubricate and adjust if necessary
▸■	Throttle body, throttle cable	Every 50 hours	Every 6 months	500(800)	Check and clean the carbon deposit. Check the cable. More frequent lubrication is required if subjected to harsh use.

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule (month)	Miles (km)	Remarks
▸■	CVT drive belt	Every 100 hours	Annual	1000 (1600)	Check, replace if necessary, and contact the dealer for maintenance
■	CVT driving and driven wheels	Every 100 hours	Annual	1000 (1600)	Clean and check pulleys, replace worn parts, contact dealer for maintenance
	Fuel filter element and fuel pipe	Every 100 hours	Every two years	2000 (3200)	Check the circuit condition and replace the filter element and high-pressure fuel pipe every four years
	Cooling pipe	Every 100 hours	-	1000 (1600)	Check wiring and condition
▸	Valve clearance	Every 100 hours	-	2000 (3200)	Check, adjust if necessary, and contact the dealer for maintenance

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
●	Fuel system	Every 100 hours	Annual	500(800)	Check fuel tank, fuel tank cap, fuel pump and fuel pump relay
	Spark plug	Every 100 hours	Every two years	2000(3200)	Check and replace if worn or contaminated
■	Engine mounting bracket	Every 100 hours	Annual	1500(2400)	Check the condition
	Exhaust pipe and spark collector	Every 100 hours	Annual	500(800)	Check and clean the spark collector
▸	Circuits, fuses, connectors, relays and cables	Every 100 hours	Annual	1000(1600)	Check the line for wear and safety, and use the necessary non-conductive grease on the joints that contact water, mud, etc.

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
▸■	Vehicle bearing	Every 100 hours	Annual	1500 (2400)	Check for noise and looseness and replace if necessary
	Coolant	Every 200 hours	Every two years	4000 (6400)	If the hour or distance interval is not reached, change the coolant every two years.
▸	Brake fluid	Every 200 hours	Every two years	1000 (1600)	Check the color change of the brake fluid and replace the brake fluid every two years.
▸	Gearbox engine oil	Every 200 hours	Annual	2000 (3200)	If the oil level is not within the specified range, please add it in time

▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

Items		Maintenance after running-in period (Take the item whichever comes first)			
		Hours	Schedule	Miles (km)	Remarks
	Idle condition	-	Annual	-	Check whether the speed is correct. If it does not meet the parameters or is unstable, contact the dealer for maintenance.
■	Steering/wheel alignment	-	Annual	-	Check the steering system, if steering accessories or wheel alignment is required, please contact the dealer for maintenance
▸■	Brake pedal height	-	Annual	-	Check and replace the brake pads or adjust the height if necessary

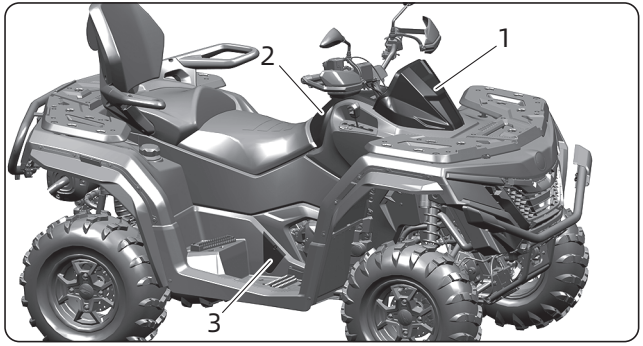
▸ =Bad use item, reduce the vehicle maintenance interval by 50% when the vehicle is in bad use.

■ =Parts or systems that must be repaired by an authorized dealer

● =For emission-related components, repair of the component or system must be performed by an authorized dealer.

9.3 Removal and installation of panel

To perform some of the maintenance described in this chapter, the panel shown must be removed. If the panel needs to be removed or installed, be sure to refer to this section.

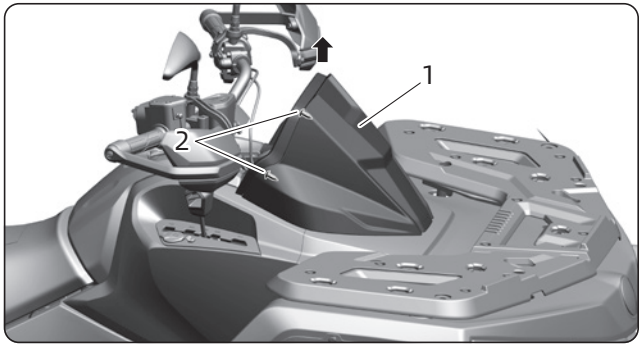


1. Panel A 2. Panel B
3. Panel C

9.3.1 Panel A

Removal

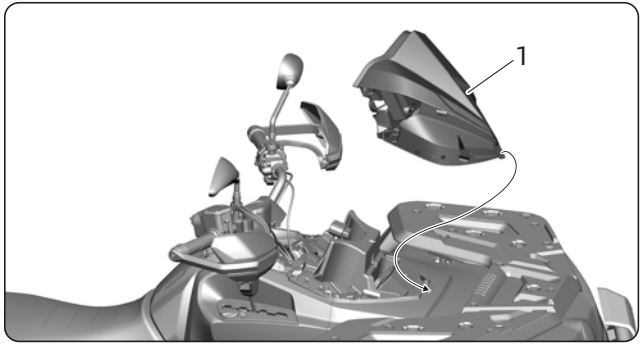
Remove panel A by removing the two lowest screws on the instrument panel and pulling upward.



1. Panel A 2. Screw

Installation

Press the instrument panel alignment button in place, and then install the two screws at the bottom to fix it.

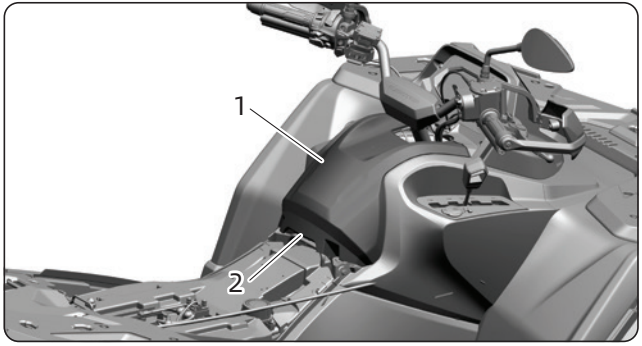


1. Panel A

9.3.2 Panel B

Removal

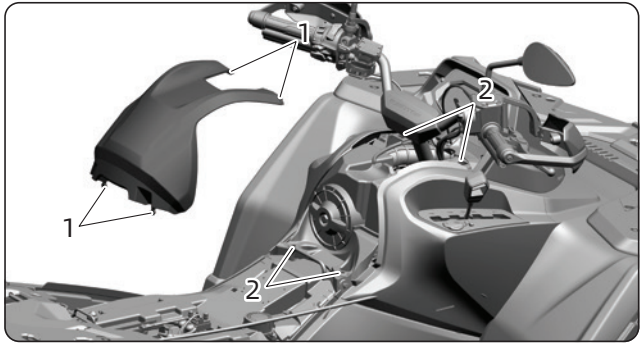
After removing the driver's seat cushion (see Page 53), it can be removed by holding the groove under the panel B with your hand and lifting it up.



1. Panel B 2. Groove

Installation

Align the buckle on panel B with the retaining slot on the frame and press down on panel B until it is seated.

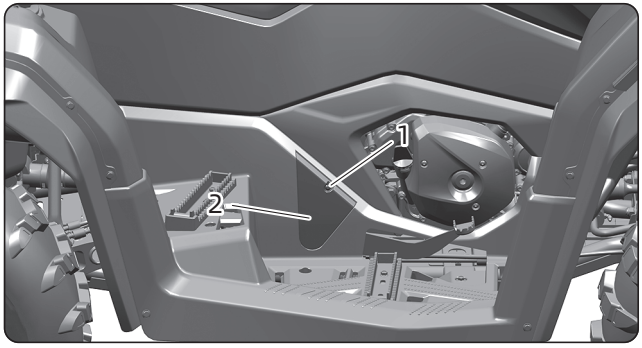


1. Buckle 2. Retaining slot

9.3.3 Panel C

Removal

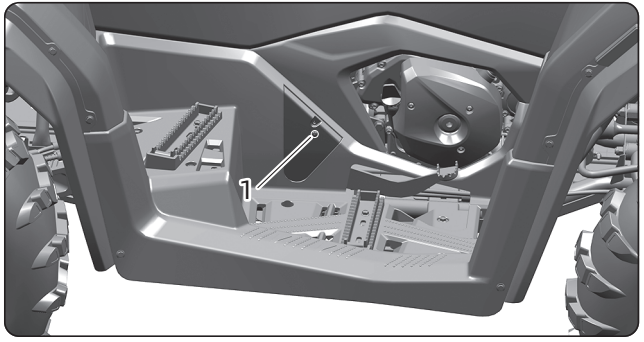
It can be removed by removing one screw on panel C.



1. Screw 2. Panel C

Installation

Place panel C in position along the body contour and secure with screws.



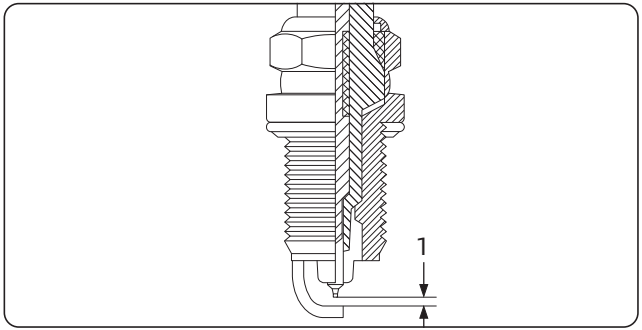
1. Screw

9.4 Inspection of spark plug

Spark plugs are important engine components and should be inspected regularly by authorized dealers of QJMOTOR. Since heat and deposits can cause the spark plug to slowly corrode, it should be removed and inspected according to the Scheduled Maintenance Table and lubrication table. In addition, the condition of the spark plug may indicate the condition of the engine. The porcelain insulator around the center electrode of each spark plug shall be medium brown (ideal color for normal driving), all spark plugs installed in the engine should have the same color. If any spark plug exhibits a significantly different color, the engine may not be operating properly. Do not attempt to self-diagnose such problems. Instead, the authorized dealer of QJMOTOR should be entrusted to inspect the vehicle. Replace the spark plug if it shows signs of electrode corrosion and carbon or other deposits.

Specified spark plugs:	NGK LMAR8D-J

Before installing the spark plug, the spark plug gap should be measured with a wire thickness gauge and adjusted according to the specification if necessary.



1. Spark plug gap

Spark plug gap:	0.7-0.9Mm (0.03 - 0.04in)

Clean the surface of the spark plug gasket and its mating surface, then wipe off any dirt from the spark plug threads.

Tightening torque:	10~15N·m

Attention
Do not use any tools to remove or install the spark plug cap, or the ignition coil connector may be damaged. Because the rubber seal on the end of the spark plug cap fits snugly into the spark plug, it can be difficult to remove. To remove the spark plug cap, simply twist it back and forth as you pull it out; likewise, when installing, twist it back and forth as you push it in.

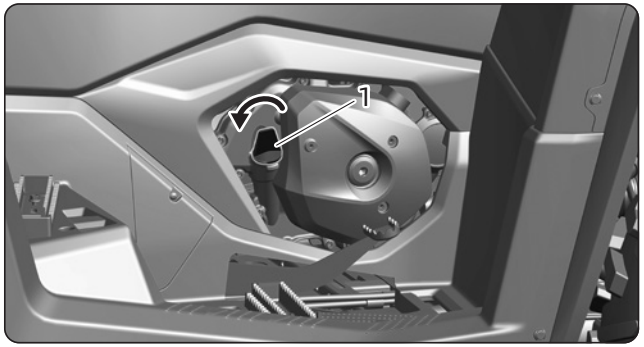
9.5 Engine oil and oil filter element

Always confirm the engine oil level before driving the vehicle. Replace the engine oil and the oil filter element at the intervals specified in the Scheduled Maintenance Table.

9.5.1 Inspection of engine oil level

1. Park the ATV on a flat surface.
2. Start the engine in a well-ventilated place and let the engine idle for 5 minutes. Then turn off the engine and wait for 5 minutes.
3. Unscrew the engine oil dipstick counterclockwise and wipe it with a clean cloth.

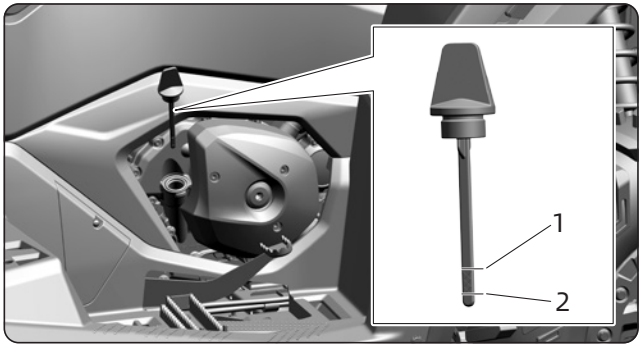
Attention
Take care not to allow foreign material to enter the crankcase.



1. Engine oil dipstick

4. Completely insert the oil dipstick into the oil filling port (it is not necessary to tighten it completely), then pull it out to check the oil level.

Notes	The oil level should be between the minimum and maximum oil level marks.



1. Maximum oil level mark 2. Minimum oil level mark

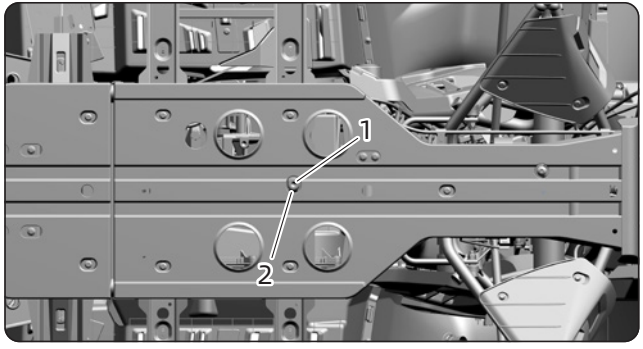
5. If the oil is below or at the minimum level mark, replenish the recommended type of oil until the correct level is reached.

Notes	Make sure that the engine oil is at the proper level or the engine may be damaged.

6. Completely insert the engine oil dipstick into the oil filling port and tighten it.

9.5.2 Replacement of engine oil

1. Park the ATV on a flat surface.
2. Start the engine, warm it up for a few minutes and turn it off.
3. Place a drain pan under the engine to collect used engine oil.
4. Take out the oil dipstick and remove the engine oil drain bolt and its gasket to drain the oil from the crankcase.



1. Oil drain bolt 2. Gasket

5. After the engine oil is drained, install the engine oil drain bolt and new gasket, and tighten them according to the specified torque.

Tightening torque:	25N·m

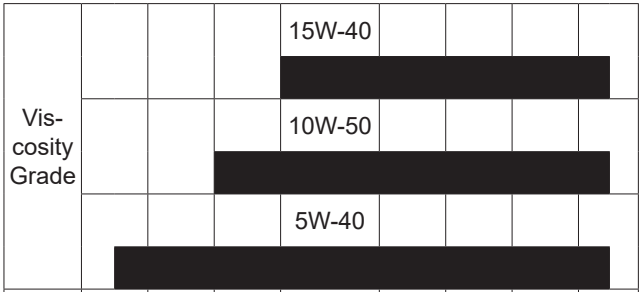
6. After adding the recommended amount of oil, re-insert and tighten the oil dipstick.

Recommended oil:	10W-50
Oil quantity:	2.4L
When the oil filter element is not replaced:	2L
When replacing the oil filter element:	2.2L

Attention

During 20-hour running-in period:

- Do not operate the vehicle at full throttle continuously. If do that during the first 20 hours of use, it may damage the engine parts or reduce its life.
- Do not open the throttle more than 1/2 throttle position during the first 10 hours or 160 kilometers of engine operation.
- Do not open the throttle more than 3/4 throttle position during the first 10 hours or 160 kilometers to 20 hours or 320 kilometers of operation.
- Do not tow or tow heavy loads.
- Use of any non-recommended oil may cause engine failure. 10W-50 type oil is recommended for four-stroke engine. It is acceptable to change the oil viscosity to 5W-40 depending on extreme cold ambient temperatures or to a 15W-40 depending on high temperatures. Refer to the ambient temperature and oil viscosity recommendation table below.



Fº	-22	-4	14	32	50	68	86	104
Cº	-30	-20	-10	0	10	20	30	40

7. Start the engine and idle for a few minutes to check for oil leakage. In case of oil leakage, turn off the engine immediately and find out the cause.
8. Turn off the engine, wait for at least 5 minutes, then check the oil level and correct it if necessary.

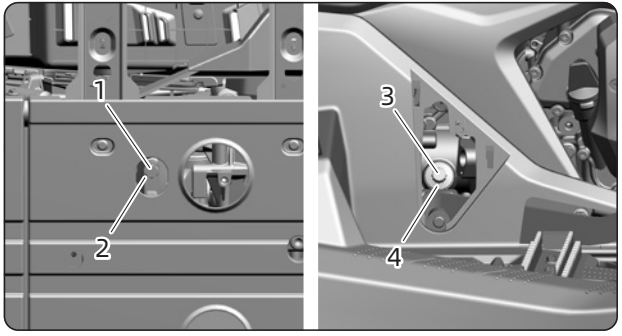
9.5.3 Replacement of engine oil filter element

It is recommended that you go to the authorized dealer of QJMOTOR to replace the oil filter.

9.5.4 Replacement of gearbox engine oil

1. Park the ATV on a flat surface.
2. Place a drain pan under the transmission to collect the used oil.
3. Remove panel C(see Page 101) and observe the gearbox for cracks or oil leaks.

   If the above situation is found, please contact the authorized dealer of QJMOTOR for maintenance.
4. Remove the oil drain bolt of the transmission and its gasket to drain the oil in the transmission.



1. Gearbox oil drain bolt
2. Gasket
3. Gearbox filler bolt
4. Gasket

5. After the engine oil is drained, install the gearbox oil drain bolt and new gasket, and tighten them according to the specified torque.

Tightening torque:	20N·m

6. Remove the gearbox fill port bolt and its gasket, replenish the specified amount of recommended oil, and reinstall the fill port bolt and its gasket.

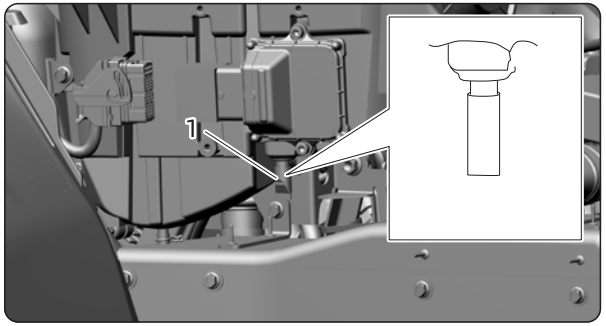
Recommended oil:	75W-140
Oil quantity:	0.45L

7. Start the engine, idle for a few minutes, and check whether the gearbox leaks oil. In case of oil leakage, turn off the engine immediately and find out the cause.
8. Re-install panel C.

9.6 Clean the air filter element

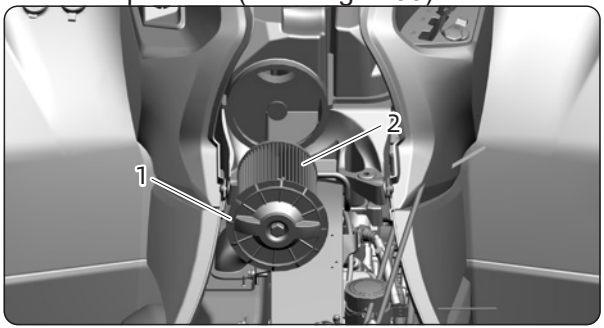
Clean the air filter element at the intervals specified in the Scheduled Maintenance Table. Clean or replace the air cleaner element more frequently if drive in an excessively wet or dusty area.

Notes	An inspection hose is installed at the bottom of the air filter box. If there is debris or water in the hose, empty the hose and clean the air filter element and the air filter box. It is recommended that you go to an authorized dealer for disposal.



1. Air filter inspection hose

1. Park the ATV on a flat surface.
2. Remove the seat cushion.
3. Remove panel B. (See Page 100)



1. Top cover of air filter 2. Air filter

4. Hold the top cover of air filter and pull out the air filter.
5. Clean the outside and inside of the air filter with a balloon or soft brush.
6. Check the overall condition of the air filter element. If necessary, replace the air filter element with a new one.

Attention
Do not clean the filter element with water or compressed air.

7. Install the air filter element into the air filter box.

⚠Warning

Make sure that the air filter element is correctly installed in the air cleaner box. Do not operate the engine with the air filter element removed. Failure to do so will allow unfiltered air to enter the engine, causing accelerated engine wear and possible engine damage. In addition, the fuel injection system may also be affected, resulting in reduced engine performance and overheating.

8. Install panel B.

9. Install the seat cushion.

Notes	Every time the air filter element is maintained, check whether the air inlet of the air filter element box is blocked. And check the gas tightness of the rubber joints between the air filter case and the throttle body and manifold. Tighten all connections to prevent unfiltered air from entering the engine.

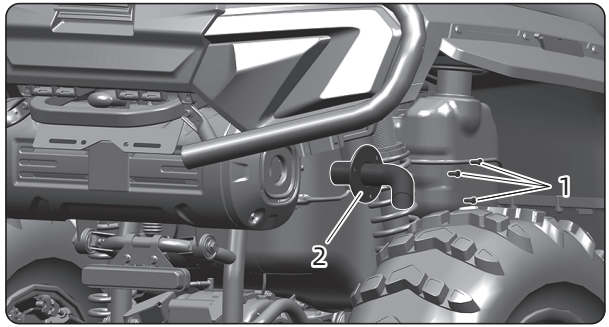
9.7 Clean the spark collector

This vehicle is equipped with a spark collector, and regular maintenance prevents the buildup of carbon deposits that can reduce engine performance. The spark collector prevents random sparks from entering the outside environment during engine combustion. Clean the spark collector according to the Scheduled Maintenance Table.

⚠Warning

- Make sure that the exhaust system has cooled down before touching the exhaust components.
- Do not start the engine with the spark collector removed. Sparks and exhaust particulates can cause eye injuries, burns, and fires.

1. Remove 3 fixing bolts.



1. Fixing bolt 2. Spark collector

2. Remove the spark collector from the muffler.
3. Tap the tailpipe gently and use a steel brush to remove the carbon deposit on the spark collector on the tailpipe.
4. Insert the tailpipe into the muffler and align the bolt holes.
5. Install the fixing bolts and tighten them according to the specified torque.

Tightening torque:	Tail pipe fixing bolt: 11 N•m

9.8 CVT

This vehicle is equipped with a drive belt temperature detection sensor that detects whether the temperature is abnormal during CVT drive.The drive belt temperature detection sensor must be checked by the authorized dealer of QJMOTOR according to the Scheduled Maintenance Table. If the belt temperature detection sensor issues an alarm, immediately reduce the vehicle speed or stop driving to lower the belt temperature and check whether the vehicle is operating abnormally. If the alarm message persists, please take the vehicle to an authorized dealer of QJMOTOR for inspection immediately.

9.9 Valve clearance

Valve clearance changes with use, resulting in improper air mixing and engine noise. In order to prevent this, please adjust the valve clearance by the authorized dealer of QJMOTOR according to the time interval specified in the Scheduled Maintenance Table.

9.10 Coolant

Be sure to check the coolant level regularly. In addition, change the coolant at the intervals specified in the Scheduled Maintenance Table.

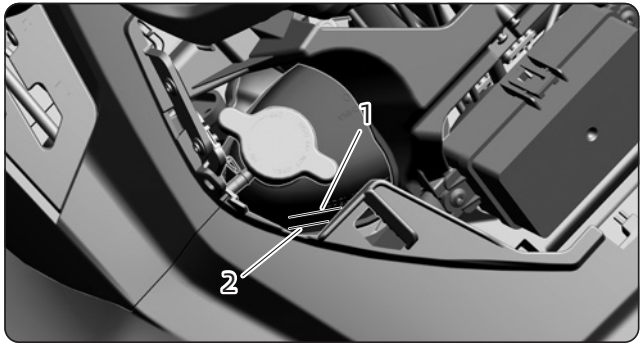
Coolant capacity:	4.08L
Coolant reservoir (to maximum level mark):	0.2L-0.38L
Radiator (including all routes):	3.7L

Attention
Antifreeze can only be mixed with distilled water. However, soft water can be added in the absence of distilled water. Do not use hard water or salt water as they can adversely affect the engine.

9.10.1 Inspection of coolant level

1. Park the ATV on a flat surface.
2. Remove panel A (see Page 99).
3. Check the coolant level in the coolant reservoir.

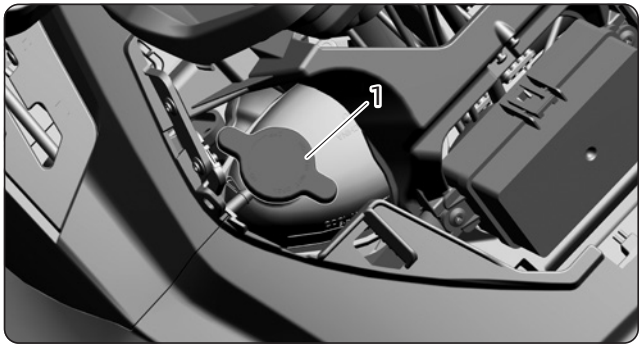
Notes	The coolant must be between the lower level and the upper level.



1. Upper limit level mark 2. Lower limit level mark

4. When the coolant is less than or equal to the lower limit level mark, remove the coolant reservoir cover, add coolant or distilled water to the upper limit level mark, and then install the reservoir cover and panel A.

Attention
If coolant is not available, use distilled or soft water instead. Do not use hard water or salt water as they can adversely affect the engine. If water has been used instead of coolant, replace it with coolant as soon as possible. Otherwise, the cooling system will not prevent frosting and corrosion. The water in the coolant will reduce the effect of the coolant. Please go to the authorized dealer of QJMOTOR for inspection as soon as possible.



1. Coolant reservoir cover

Notes	The radiator fan automatically turns on or off depending on the temperature of the cooling water in the radiator.

9.10.2 Replacement of coolant

Unless you have the right tools and qualified mechanical technology, it is recommended that you go to the authorized dealer of QJMOTOR to change the coolant.

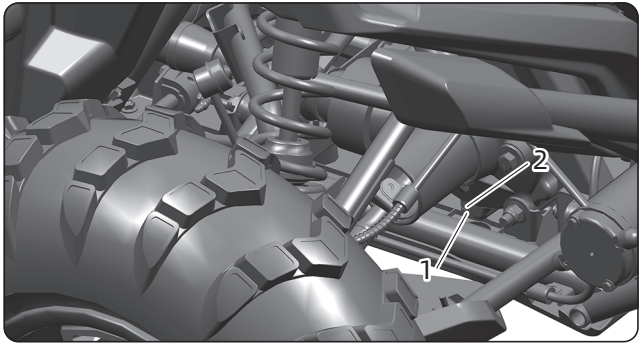
9.11 Differential gear oil

Before driving the vehicle, be sure to check the differential gearbox for oil leaks. If the differential gearbox is found to be cracked or have any leakage, please contact the authorized dealer of QJMOTOR for inspection and repair. In addition, change the gear oil at the intervals specified in the Scheduled Maintenance Table.

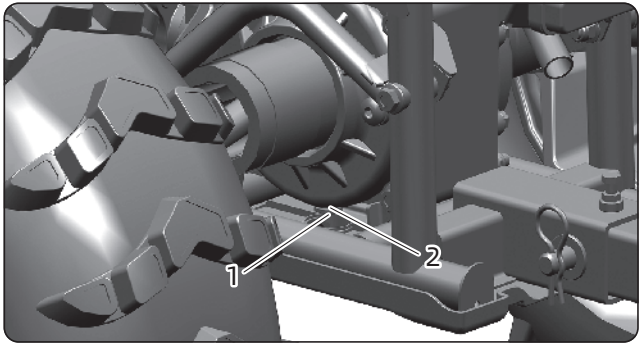
9.11.1 Replacement of differential gear oil

Notes	The replacement method of front and rear differential gear oil is the same, and the front differential is taken as an example for description.

1. Park the ATV on a flat surface.
2. Place a drain pan under the front differential gearbox to collect the used gear oil.
3. Remove the oil drain bolt and gasket of the front differential gearbox to drain the gear oil in the gearbox.



1. Oil drain bolt of front differential gearbox 2. Gasket



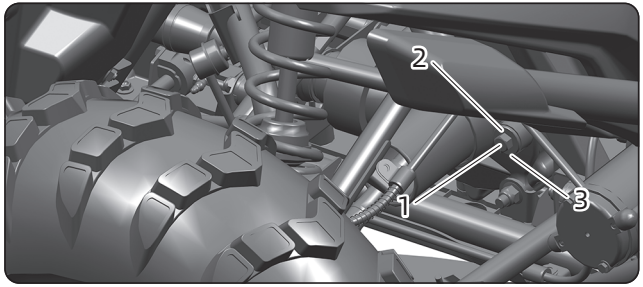
1. Oil drain bolt of rear differential gearbox 2. Gasket

4. After the gear oil is drained, install the oil drain bolt and new gasket, and tighten the bolt according to the specified torque.

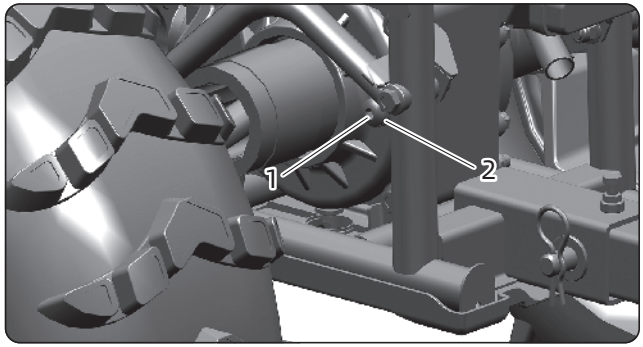
Tightening torque:	Differential gearbox oil drain bolt: 30-35N·m(3.06-3.57kgf·m,22.22-25.92ft·lb)

5. Remove the front differential gearbox fill port bolt and gasket and add the recommended differential gear oil to the lower edge of the fill port.

Attention
Be careful not to allow foreign material to enter the differential gearbox.



1. Front differential gearbox filler bolt 2. Gasket
3. Lower edge of oil filling port



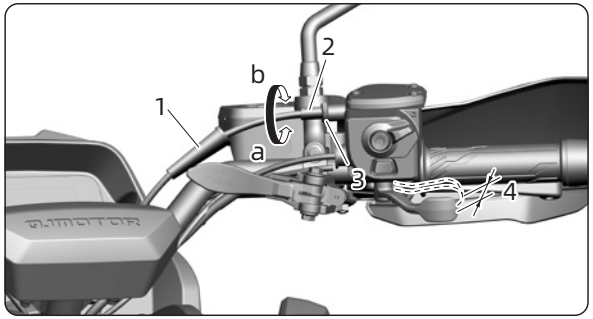
1. Rear differential gearbox oil filler bolt 2. Gasket

Recommended differential gear oil:	80W/90

6. Install the oil filler bolt and new gasket and tighten them to the specified torque.

Tightening torque:	Differential gearbox filler bolt: 30-35N·m(3.06-3.57kgf·m,22.22-25.92ft·lb)

9.12 Adjustment of clearance of throttle handle



1. Rubber sleeve
2. Throttle handle clearance adjusting bolt
3. Lock nut
4. Clearance of throttle handle

Clearance of throttle handle:	3-5mm(0.12-0.2in)

Check the clearance of the throttle handle regularly and adjust it if necessary.

1. Slide the rubber sleeve backwards.
2. Loosen the lock nut.
3. To increase the clearance of the throttle handle, turn the clearance adjusting bolt of the throttle handle in direction (a). To reduce the clearance of the throttle handle, turn the adjusting bolt in the direction of (b).
4. Tighten the lock nut.
5. Slide the rubber sleeve back to its original position.

9.13 Inspection of brake fluid level

Before driving the vehicle, make sure that the brake fluid is above the lower limit level mark. Replenish the brake fluid if necessary.

Normally, as the brake pads wear, the level of the brake fluid will gradually decrease. If the brake fluid level is low, it may indicate worn brake pads or a leak in the brake system. Therefore, always check the brake pads for wear and check the brake system for leaks. If the brake fluid suddenly decreases, please contact the authorized dealer of QJMOTOR to check the brake system before driving the vehicle.

⚠Warning

Improper maintenance may result in reduced braking capacity. Please observe the following precautions.

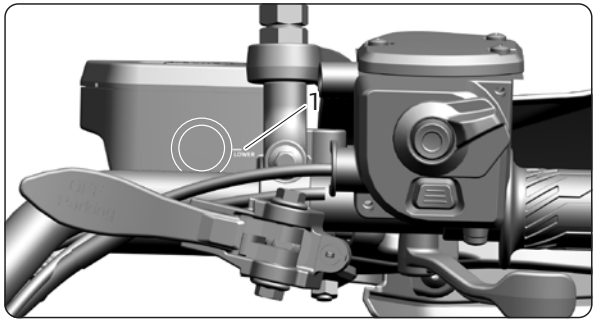
- Insufficient brake fluid may cause air to enter the brake system, resulting in reduced braking performance.
- Clean the filler cap before removing it. Use only DOT 4 brake fluid that has been stored in a sealed container.
- Only use the specified brake fluid. The rubber sealing ring may deteriorate and cause leakage.
- Please replenish the same type of brake fluid. Adding brake fluid other than DOT 4 may cause harmful chemical reactions.
- When replenishing the brake fluid, be careful not to let water enter the brake fluid reservoir. Water can significantly lower the boiling point of the brake fluid and cause air lock.

Attention

Brake fluid can damage paintwork and plastic components. Be sure to wipe up the spilled brake fluid in time.

9.13.1 Front brake

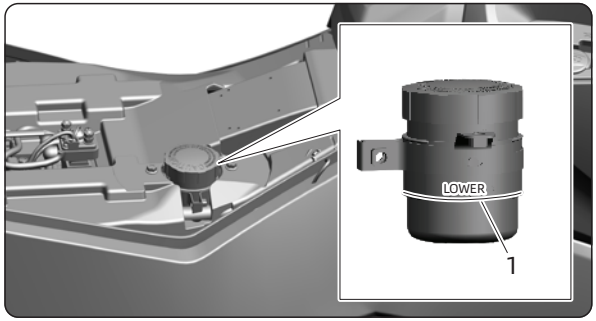
Notes	For accurate results, keep the handlebars straight.



1. Lower limit mark of front brake fluid

9.13.2 Rear brake

Remove the seat cushion (see Page 52).



1. Lower limit mark of rear brake fluid

9.14 Replacement of brake fluid

The brake fluid shall be replaced by the authorized dealer of QJMOTOR according to the time interval specified in the Scheduled Maintenance Table. In addition, the master cylinder, caliper oil seal, and brake hose must be replaced at the following intervals or if damaged or leaking.

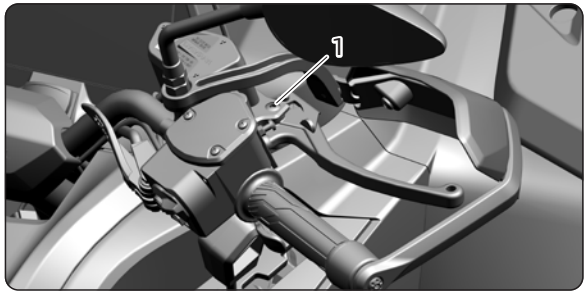
- Oil seal: Replace once every 2 years.
- Brake hose: Replace it every 4 years.

9.15 Inspection of brake handle

9.15.1 Operation inspection and lubrication of brake handle

Before driving the vehicle, be sure to check whether the brake handle operates smoothly. Lubricate the brake handle pivot as necessary.

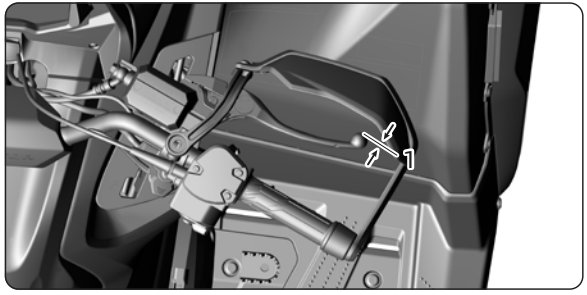
Recommended lubricants:	Silicone base grease



1. Brake handle pivot

9.15.2 Clearance inspection of brake handle

No clearance at the end of the brake handle. If there is, please contact the authorized dealer of QJMOTOR for inspection.



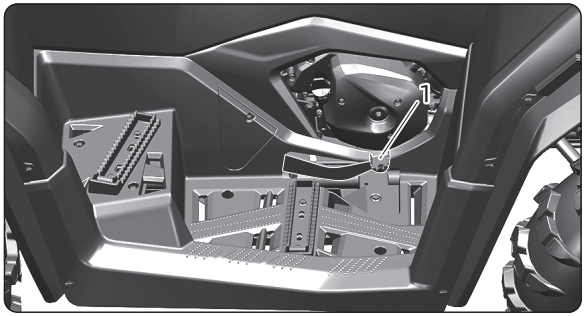
1. No brake handle clearance

9.16 Inspection of brake pedal

9.16.1 Operation inspection of brake pedal

Before driving the vehicle, always check that the brake pedal operates smoothly.

Notes	If the operation of the brake pedal is not smooth, please contact the authorized dealer of QJMOTOR for inspection and lubrication.

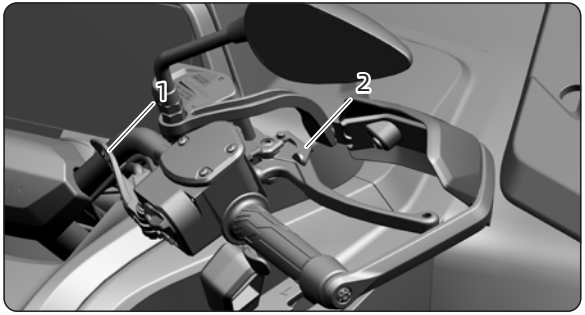


1 Brake pedal

9.17 Inspection of parking brake

Before driving the vehicle, always check that the parking brake A and parking brake B operate smoothly.

If the parking brake operation is not smooth, please contact the authorized dealer of QJMOTOR for inspection and lubrication.

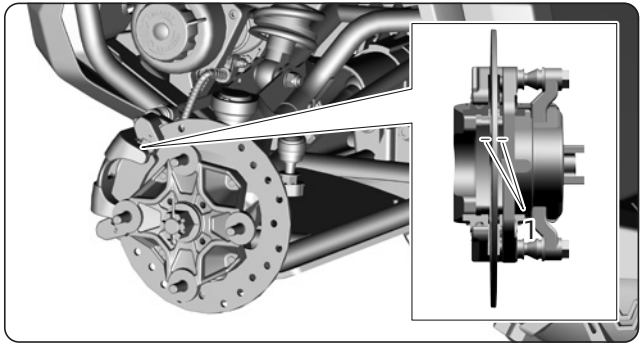


1 Parking brake A 2 Parking brake B

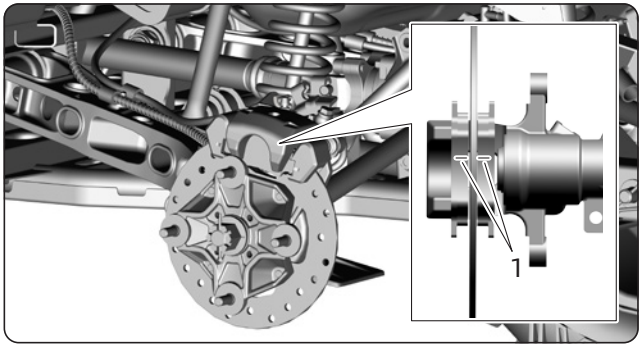
9.18 Inspection of front and rear brake pads

The front and rear brake pads should be checked for wear at the intervals specified in the Scheduled Maintenance Table. Each brake pad has a wear indicator groove that allows the brake pads to be checked for wear without removing the brake. If the brake pad is worn and the wear indicator groove almost completely disappears, the brake pad and the complete brake system should be replaced at the authorized dealer of QJMOTOR.

Notes	The wheel must be removed to check the brake pads. (See Page 122)



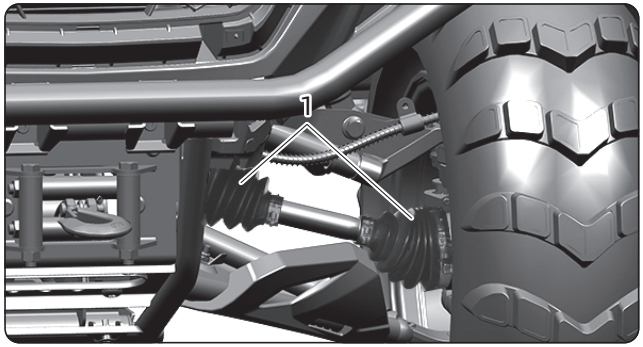
1. Front brake wear indicator groove



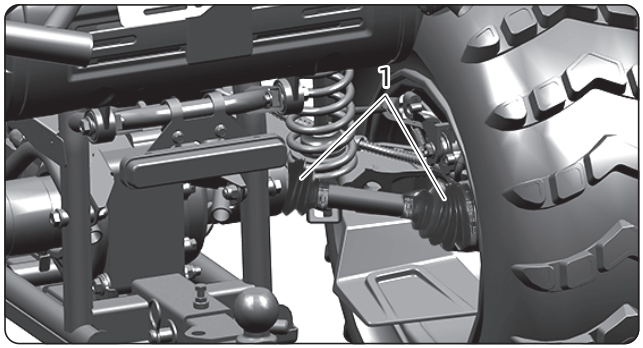
2. Rear brake wear indicator groove

9.19 Axle sleeve

The condition of the axle sleeves should be checked for tears or damage at the intervals specified in the Scheduled Maintenance Table. If it is damaged, please contact the authorized dealer of QJMOTOR for replacement.



1. Front wheel axle sleeve (both sides)



1. Rear wheel axle sleeve (both sides)

9.20 Inspection and lubrication of cables

Always check the operation and condition of all control cables before driving the vehicle and lubricate the cables and cable ends as necessary.

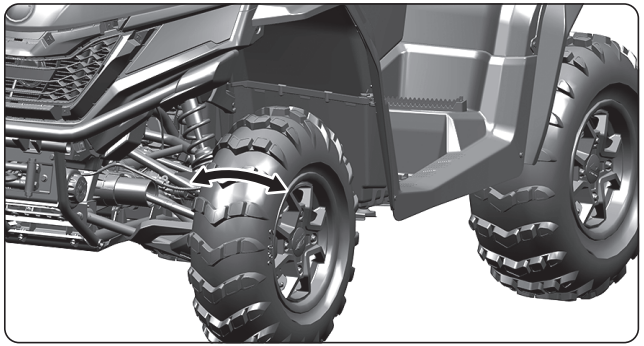
If the cable is damaged or does not work properly, please contact the authorized dealer of QJMOTOR for inspection or replacement.

⚠Warning

- Please check the cable frequently and replace it in time if it is damaged. Damage to the cable jacket may cause corrosion, abrasion, or distortion of the cable, which may restrict the operation of the control device and result in an accident or injury.
- Before driving in cold weather, be sure to check whether all control cables are running smoothly. If the control cable freezes or runs poorly, you may lose control of ATV and cause an accident or crash.

9.21 Inspection of hub bearing

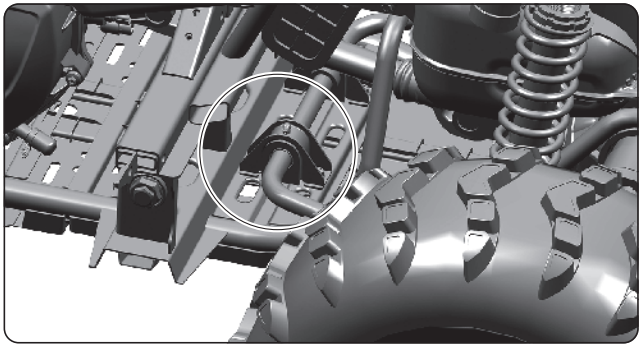
Check the hub bearings of the front and rear wheels at the intervals specified in the Scheduled Maintenance Table. If there is a gap in the hub or the wheel does not rotate smoothly, please contact the authorized dealer of QJMOTOR to check the hub bearing.



9.22 Inspection of stabilizer bushing

Check the stabilizer bushing for cracks and damage at the intervals specified in the Scheduled Maintenance Table.

If necessary, please contact the authorized dealer of QJMOTOR to replace the stabilizer bushing.



9.23 Inspection of tire

Check the tire pressure regularly to ensure that the tire pressure meets the recommended value and check the tire wear at the same time.

9.23.1 Tire pressure

Please use the tire pressure gauge to check and adjust the tire pressure when the tire is cold. The left and right tire pressures should be equal.

⚠Warning

If the vehicle is operated with incorrect tire pressures, serious personal injury or death may result from loss of control or rollover. If the tire pressure is below the specified minimum, the tire may fall off the rim in poor driving conditions.

Recommended tire pressure:	Front 45kPa (6.5psi) Rear 45kPa (6.5psi)
Minimum tire pressure:	Front 34.5kPa (5psi) Rear 34.5kPa (5psi)
Maximum tire setting pressure:	Front 48.3kPa (7psi) Rear 48.3kPa (7psi)

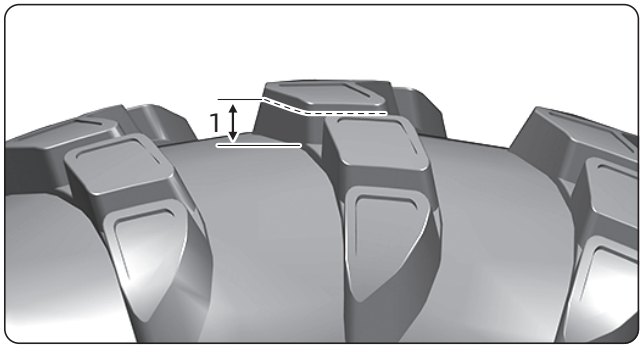
1. Tire pressure gauge 2. Tire air valve

This vehicle is equipped with a tire pressure gauge as standard. (See Page 89)

With a tire pressure meter, two measurements should be taken and the second reading used. Since grit in the tire pressure gauge and tire air valve may cause the first reading to be inaccurate.

9.23.2 Tire wear

If the tire is damaged or the tread depth is less than 4mm (0.15in), please replace the tire.

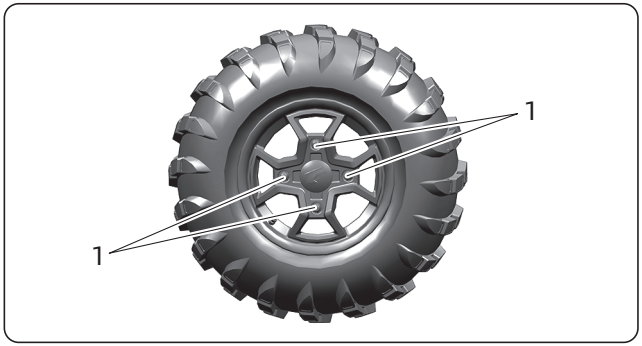


1. Tread height

9.24 Removal and installation of wheel

9.24.1 Removal of wheel

1. Park the ATV on a flat surface.
2. Loosen the wheel nuts.

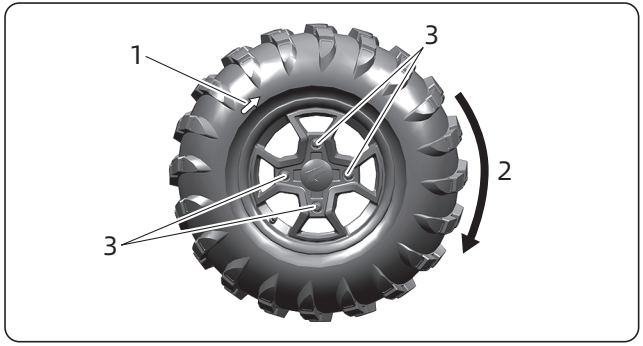


1. Wheel nut

3. Lift the ATV with a suitable support such as a lift.
4. Remove the nut from the wheel.
5. Remove the wheel.

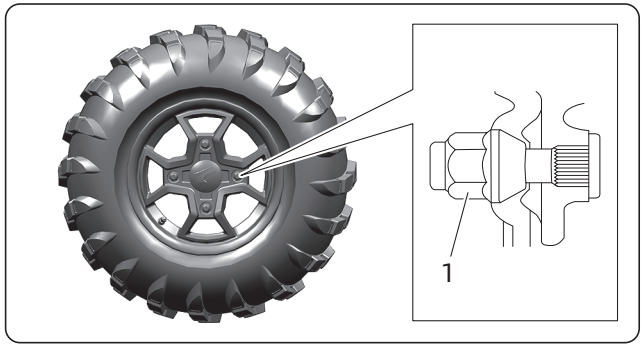
9.24.2 Installation of wheel

1. Install the wheel with the arrow mark pointing in the forward direction.



1. Arrow mark 2. Forward direction
3. Wheel nut

2. During installation of the wheel nut, the conical surface of the wheel nut shall face the side of the wheel.



1. Conical nut

3. Lower the ATV to the ground.
4. Tighten the wheel nuts to the specified torque.

Tightening torque:	100±10N·m

9.25 Battery

This ATV is equipped with a maintenance-free battery. There is no need to check the battery electrolyte level or add distilled water as in conventional batteries.

However, check and tighten the lead connector of the battery. If the battery terminal is corroded, clean it. If the battery is charged, charge it as soon as possible.

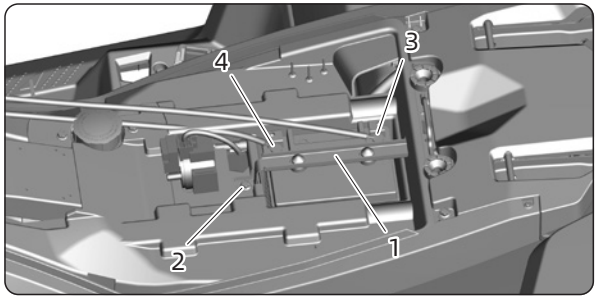
Attention
Do not pry open the housing. Since it is a maintenance-free battery, prying open the housing may cause fundamental damage to the battery.

⚠Warning
The battery electrolyte contains sulfuric acid with toxic and dangerous substance that can cause severe burns. Avoid contact with skin, eyes and clothing. When working near the battery, be sure to protect your eyes. Emergency handling method: Exterior: Rinse with clean water. Inside: Drink plenty of water or milk and consume magnesium milk, beaten eggs, or vegetable oil. Get medical attention immediately. If in eyes: Rinse with water for 15 minutes and seek medical attention. The battery will produce explosive gas. Keep away from sparks, flames, cigarettes, or other sources of ignition. Ventilate when charging or using in closed space. Keep out of the reach of children.

9.25.1 Removal of battery

1. Set the main switch to "OFF".
2. Remove the seat cushion (see Page 52).
3. Remove the bolt on the fixed pressure plate, and then remove the negative lead of the battery first, and then remove the positive lead of the battery.

Notes	During removal of the battery, please turn off the main switch and remove the negative lead first and then the positive lead.



1. Fixed pressure plate
2. Bolt
3. Battery negative lead (black)
4. Battery positive lead (red)

4. Remove the battery from the battery compartment.

- Check the recommended charging rate on the battery.
- Select the suitable charger and follow the manufacturer's instructions.

Attention
The special battery charger is required to charge the maintenance-free battery, and the use of a common charger will damage the battery.

9.25.2 Storage of battery

- If the ATV is not used for more than one month, take out the battery and fully charge it, and then store the battery in a cool and dry place.
- If the storage time of the battery is more than two months, please check the voltage once every three months, and supplement the power when the voltage is lower than 12.6V.

Attention
• Please always keep the battery charged. If the battery is discharged for a long time, it will cause fundamental damage to the battery. • Do not store the battery in an extremely cold or hot place.

9.25.3 Installation of battery

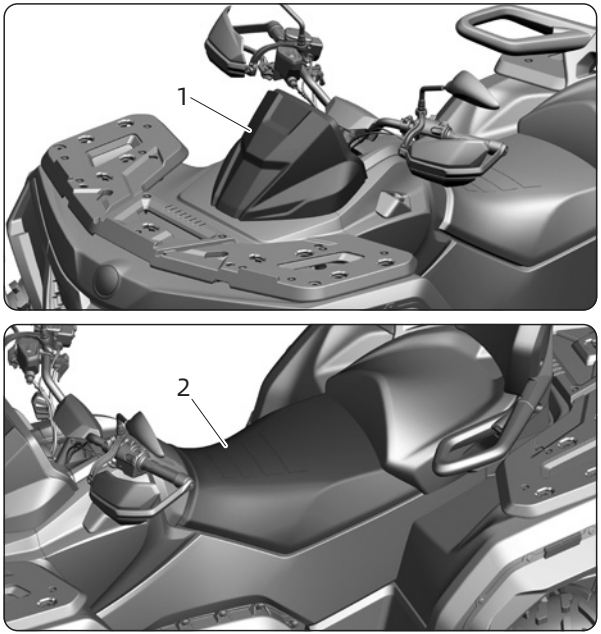
1. Put the battery into the battery compartment.
2. Connect the positive lead first and then the negative lead.

Attention
During installation of the battery, please turn off the main switch and connect the positive lead first and then the negative lead.

3. Install the battery fixed pressure plate and bolts.
4. Install the seat cushion.

9.26 Fuse replacement

The fuses for each electrical component are located under panel A. The main fuse is located under the driver seat cushion.



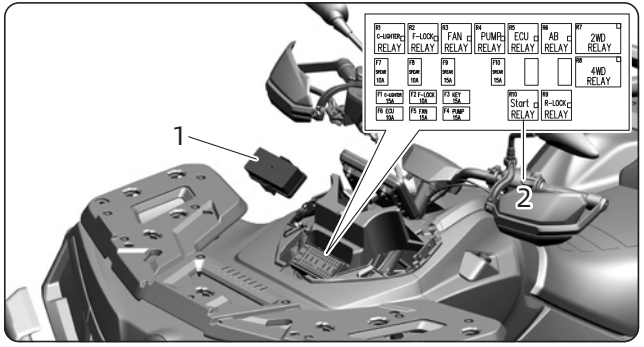
1. Panel A 2. Driver seat cushion

9.26.1 Replacement of electrical component fuses

1. Set the main switch to "OFF".
2. Remove panel A (see Page 99).
3. Remove the fuse box, pull out the blown fuse, and install a new fuse for the specified amperage.

⚠ Warning

Be sure to use a fuse of the specified rating and never replace the correct fuse with a substitute. Using the incorrect fuse or substitute may damage the electrical system and cause a fire.



1. Fuse box 2. Electrical component fuse

4. Turn on the main switch and start the engine.

Notes	If the fuse is blown again soon, please go to the authorized dealer of QJMOTOR to check the vehicle.

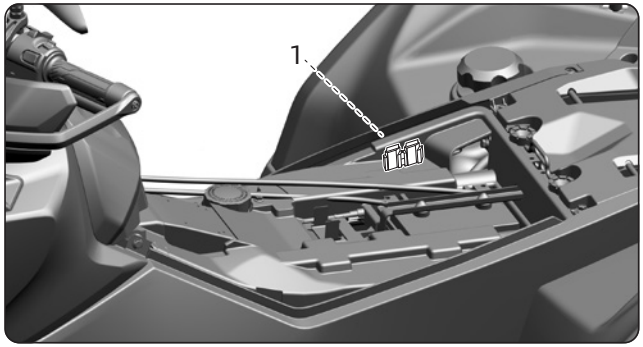
5. Install panel A.

9.26.2 Replacement of main fuse

1. Set the main switch to "OFF".
2. Remove the seat cushion (see Page 52).
3. Remove the right side panel of the vehicle body.
4. Replace the fuse.

⚠ Warning

Be sure to use a fuse of the specified rating and never replace the correct fuse with a substitute. Using the incorrect fuse or substitute may damage the electrical system and cause a fire.



1. Main fuse

5. Turn on the main switch and start the engine.

Notes	If the main fuse is blown again soon, please go to the authorized dealer of QJMOTOR to check the vehicle.

6. Install the side panel and seat cushion.

9.27 Replacement of bulb

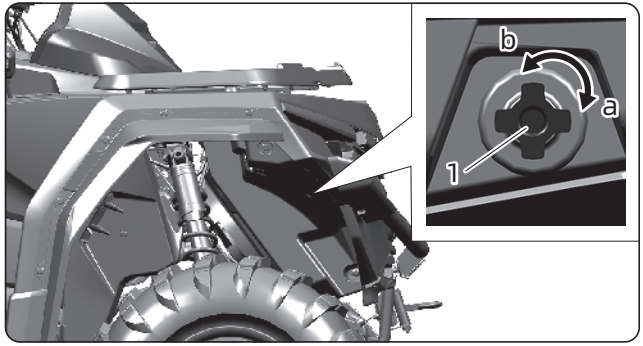
All bulbs on this ATV are LED. If any bulb does not work, please contact the authorized dealer of QJMOTOR to check the vehicle and replace the bulb if necessary.

9.28 Headlight beam adjustment

The headlight beam adjustment knob is located in the front fender groove above the tire and allows you to adjust the height of the headlight beam.

Turn the adjustment knob toward (a) to lower the beam.

Turn the adjustment knob toward (b) to raise the beam.



1. Adjusting knob (left and right headlights)

10. Troubleshooting

The following troubleshooting is a typical case only.

If the following methods do not solve your problem or the problem is not listed, please

Consult your QJMOTOR Authorized Dealer.

10.1 Starter motor does not work

Possible Cause	Processing method
Main switch is turned off.	Turn on the main switch.
Gear is not in P or N	Shift the gear to P or N.
Blown fuse	Replace the fuse with a new one of the same rating (see Page 125). If the fuse is blown again immediately, please contact the authorized dealer of QJMOTOR.
Loose battery terminal	Tighten the battery terminals (see Page 123).
Battery runs out of power.	Charge the battery (see Page 124). If the problem can not be solved after charging, please contact the authorized dealer of QJMOTOR.
Faulty starting motor	If all possible causes do not apply, the starter motor may be defective. Please contact the authorized dealer of QJMOTOR.

10.2 Starter motor works, but the engine does not start

Possible Cause	Processing method
Running out of fuel	Replenish fuel.
Spark plug cap is loose or not connected	Ensure that the spark plug cap is installed securely. If the engine still fails to start, please contact the authorized dealer of QJMOTOR.
Faulty spark plug	Please visit the authorized dealer of QJMOTOR to check the spark plug.
Battery power is insufficient (Or discharge)	Charge the battery (see Page 124). If charging fails to solve the problem, please contact the authorized dealer of QJMOTOR.
Battery runs out of power.	Charge the battery (see Page 124). If the problem can not be solved after charging, please contact the authorized dealer of QJMOTOR.

10.3 Engine can be started, but the speed is unstable

Possible Cause	Processing method
Abnormal engine oil pressure	Check the oil pressure warning indicator (see Page 25). If the warning indicator is on, please contact the authorized dealer of QJMOTOR

Too high coolant temperature (Overheating)	Check the water temperature gauge (see Page 26). If the warning indicator is not off, please contact the authorized dealer of QJMOTOR.
Heavy fuel smell (too rich fuel)	Clean the air filter (see Page 108). If the problem is still not improved, please contact the authorized dealer of QJMOTOR.
Black smoke in the exhaust (rich fuel)	
Knock at increasing load	Change to gasoline with the recommended octane number (see Page 51), or change the brand of gasoline. If the problem still exists, please contact the authorized dealer of QJMOTOR.
Unstable engine speed, engine misfire	The catalytic converter may be damaged. Please contact the authorized dealer of QJMOTOR.
Tempering	

10.4 Engine can be started, but does not run well or is hot

Possible Cause	Processing method
Restricted or insufficient fuel flow due to blocked fuel filter	Please contact the authorized dealer of QJMOTOR.

10.5 Unable to shift gear

Possible Cause	Processing method
It is not possible to switch from N to R or from R to P (or vice versa)	Please contact the authorized dealer of QJMOTOR.

10.6 Power steering system failure

Possible Cause	Processing method
ECU is protected from overheating	The steering system has been temporarily shut down to protect it. Allow the system to cool. If the problem has not been improved after a period of time, or the steering system is shut down frequently, please contact the authorized dealer of QJMOTOR.
Fuse failure	Replace the fuse with a new one of the same rating (see Page 125). If the fuse is blown again immediately, please contact the authorized dealer of QJMOTOR.
Battery runs out of power.	Charge the battery (see Page 124). If the problem can not be solved after charging, please contact the authorized dealer of QJMOTOR.
Disconnection of harness connector	Please contact the authorized dealer of QJMOTOR.

11. Cleaning, Storage and Transportation

11.1 Washing the vehicle

Frequent cleaning of an ATV not only improves the appearance of the vehicle, but also improves its general performance and extends the life of its components. Moreover, inspection and maintenance will be easier.

1. Precautions should be taken before cleaning to avoid water on the following parts.
   - In order to prevent water from entering, please use plastic bags or strong rubber bands to block the exhaust port of the muffler.
   - Make sure that the spark plugs and all filler caps are installed correctly.
2. Wash the vehicle with water from the hose to remove dirt on the surface.
3. Wash by using soft cloth or sponge with a neutral detergent (for motorcycles and cars). An old toothbrush and bottle brush can be used for cleaning for hard-to-reach areas.
4. After washing the vehicle, please rinse the vehicle thoroughly with clean water to remove the residue (residual detergent may damage the vehicle parts).
5. Dry the vehicle with a soft cloth. While drying, inspect the vehicle for nicks or scratches.
6. Drive slowly and carefully, and brake several times. This allows the brakes to dry quickly and return to normal operating performance.

11.2 Storage of vehicles

1. Make necessary repairs and complete all outstanding maintenance work.
2. Wash the vehicle.
3. Please fill up the fuel tank and add the fuel stabilizer according to the instructions on the fuel stabilizer. Run the engine for a few minutes to allow the fuel stabilizer to diffuse.
4. To protect the engine from internal corrosion, perform the following procedure.
   a. Remove the spark plug.
   b. Pour a teaspoon of oil into the spark plug hole.
   c. Install spark plug cap on spark plug and ground electrode of spark plug to cylinder head.
   d. Press the start switch to run the engine.
   e. Remove the spark plug cap from the spark plug and install the spark plug and spark plug cap.
5. Lubricate the working areas of all control cables, control handles, and pedals.

11.3 Transportation of vehicles

When transporting an ATV, we recommend that you transport it in its normal working position (with the four wheels grounded). Do not transport the vehicle in an upright and tilted state, otherwise it may damage the vehicle and cause fuel leakage and cause danger.

Please pay attention to the following items when transporting vehicles:

- Please turn off the engine and pull out the key to prevent the key from being lost during transportation.
- Set the parking brake.
- Make sure that the fuel tank cap is properly installed and tightened.
- Make sure that the seat cushion is properly installed and secured.
- Engage the gear into other gears except the parking gear, and set the stopper at the front and rear wheels to prevent the vehicle from moving.
- Properly secure the front and rear frames to prevent the vehicle from sliding or moving during transport.

Attention
Do not put the shift lever into the parking gear during transportation, otherwise the transmission may be damaged.

12. Technical Specification Sheet

Items	Product specification
L x W x H	2295mm x 1275mm x 1447mm
Wheelbase	1480mm
Front wheelbase	1010mm
Rear wheelbase	975mm
Minimum ground clearance (no load/full load)	270mm
Minimum turning diameter	6900mm
Vehicle curb weight (front axle/rear axle)	453kg
Maximum bearing mass	285kg
Towed mass	350kg
Fuel consumption (Euro)	10L/100km
Fuel tank capacity	25L
Engine type	DOHC 4-stroke single-cylinder engine, liquid-cooled
Displacement	567cm³
Bore X stroke	99x73.6mm
Maximum power/corresponding speed	33.0kw / 7250rpm
Maximum torque/corresponding speed	53.0Nm / 5500rpm

Items	Product specification
Compression ratio	10.2:1
Engine oil volume	2300ml
Fuel supply mode	Electronic injection
Startup method	Electric start
Throttle mode	Mechanical
Generator type and power	Three-phase AC type 290w/1400rpm 500w/5000rpm
Transmission type	CVT,P/R/N/L/H Downhill engine braking
Front hub specification	12×6
Front tire size	25×8-12
Front tire load index	250kpa
Front tire speed level	48m
Front tire pressure	45kpa
Rear hub specification	12×8
Rear tire size	25×10-12
Rear tire load index	250kpa
Rear tire speed level	55M
Rear tire pressure	45kpa

13. Consumer Information

Declaration of Driver's exposure to noise level

The undersigned: Name and position in the company:

Guo Dongshao, General Manager

Company name and address of the manufacturer:

ZHEJIANG QIANJIANG MOTORCYCLE CO., LTD
The Economical Developing Zone, Wenling, Zhejiang Province, P. R. China, 317500

Hereby declares that:

For the following vehicle:

1.1. Make (trade name of the manufacturer): QJ, QJIANG, QJMOTOR, B MOTOBI, QJTEC, LIFAN

1.2. Type: W52

1.2.1. Variant(s): W52

1.2.2. Version(s): A, B

1.2.3. Commercial name(s) (if available):
SFA 600

1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: W52/A: T3a
Variant/Version: W52/B: T3b

Variant/Version: W52/A:
The Driver's exposure to noise level result is 85.6 dB(A)(Limit: 86 dB(A)) according to test method 2 in accordance with: section 3 of Annex XIII to EU 1322/2014.
Variant/Version: W52/B:
The Driver's exposure to noise level result is 85.8 dB(A)(Limit: 86 dB(A)) according to test method 2 in accordance with: section 3 of Annex XIII to EU 1322/2014.

Place: Zhejiang, China Date: 25/12/2023

Signature:

Name and position in the company: Guo Dongshao, General Manager

Declaration of Vibration declaration

The undersigned: Name and position in the company:

Guo Dongshao, General Manager

Company name and address of the manufacturer:

ZHEJIANG QIANJIANG MOTORCYCLE CO., LTD
The Economical Developing Zone, Wenling, Zhejiang Province, P. R. China, 317500

Hereby declares that:

For the following vehicle:

1.3. Make (trade name of the manufacturer): QJ, QJIANG, QJMOTOR, B MOTOBI, QJTEC, LIFAN

1.4. Type: W52

1.2.1. Variant(s): W52

1.2.2. Version(s): A, B

1.2.3. Commercial name(s) (if available):
SFA 600

1.3. Category, subcategory and speed index of the vehicle:
Variant/Version: W52/A: T3a
Variant/Version: W52/B: T3b

Driver mass	Test run	a_{wS} m/s²	a_{wB} m/s²	a_{wS}/a_{wB}	Requirement
59± 1kg	Test run 1	0.54	1.55		Deviation<10% between test run 1/2 and Arithmetic mean, a_{wS}<1.25 m/s²
	Test run 2	0.53	1.53		
	Arithmetic mean	0.54	1.54	0.35	
98± 5kg	Test run 1	0.65	1.57		
	Test run 2	0.64	1.56		
	Arithmetic mean	0.65	1.57	0.41	

a_{wS}:rms value of the weighted seat vibration acceleration measured during a standard roadway test
a_{wB}:rms value of the weighted vibration acceleration measured at the seat attachment during a standard roadway test

Place: Zhejiang, China Date: 25/12/2023

Signature:

Name and position in the company: Guo Dongshao, General Manager

14. Index

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QJMOTOR

ALWAYS FORWARD

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