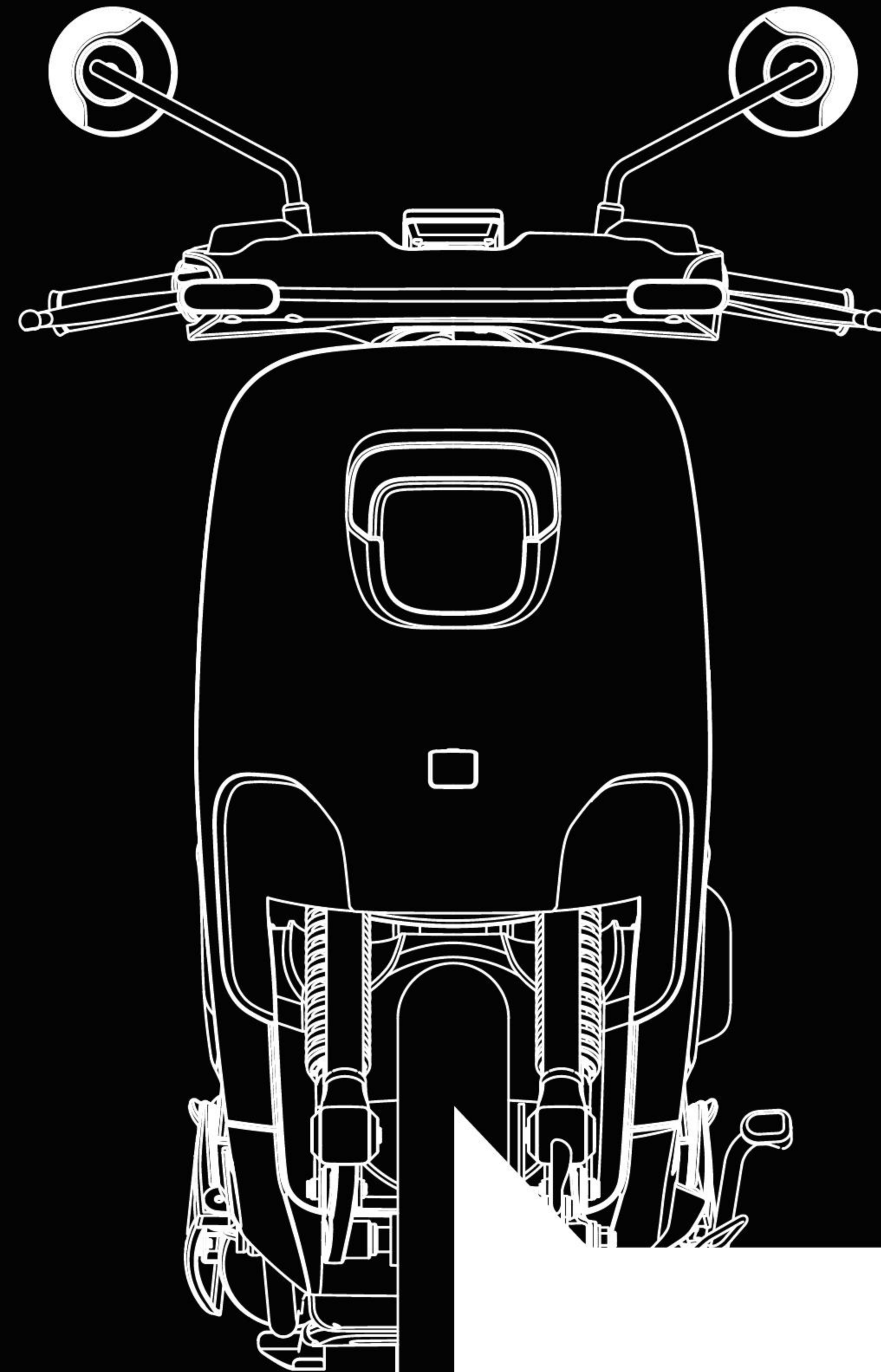


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OWNER'S MANUAL

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JINLANG SCIENCE AND TECHNOLOGY CO.,LTD
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SHENZHEN ARIIC SCIENCE AND TECHNOLOGY CO.,LTD
Jinzhong Building 8B, No.99 Wenxin 1 Road, Haizhu Community, Yuehai Street, Nanshan District,Shenzhen City.

ARIIC | 力刻

Dear user:

Thank you very much for purchasing the "Julio" motorcycle from our company. In order to make your driving safety and more comfortable, please read the contents recorded in this manual carefully. Inspection and regular maintenance before each trip are the most basic conditions. When regular maintenance is required, please go to an authorized service station for various maintenance and repair work.

If the structure and parts of the motorcycle are modified at will, the operating performance, the life of the motorcycle and the safety of the rider will be affected. All contents recorded in this manual are subject to change without prior notice, subject to the actual vehicle.

Owner Name

Purchase Date

Model No.

Engine No.

Frame No.

Dealer stamp:

- This manual is applicable to "Julio" motorcycle.
- If there is any difference between the actual vehicle and the manual, the actual vehicle shall prevail.

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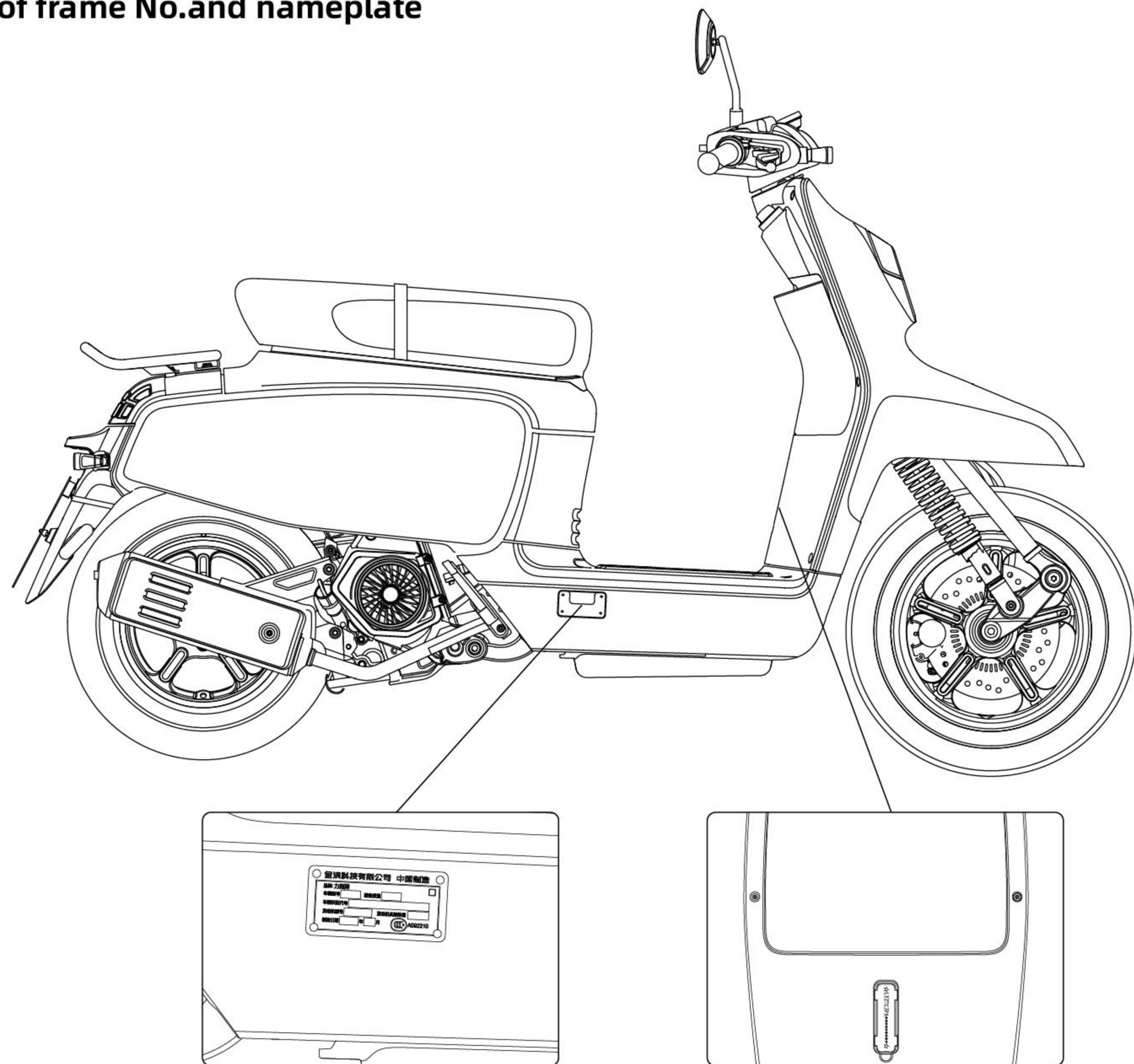
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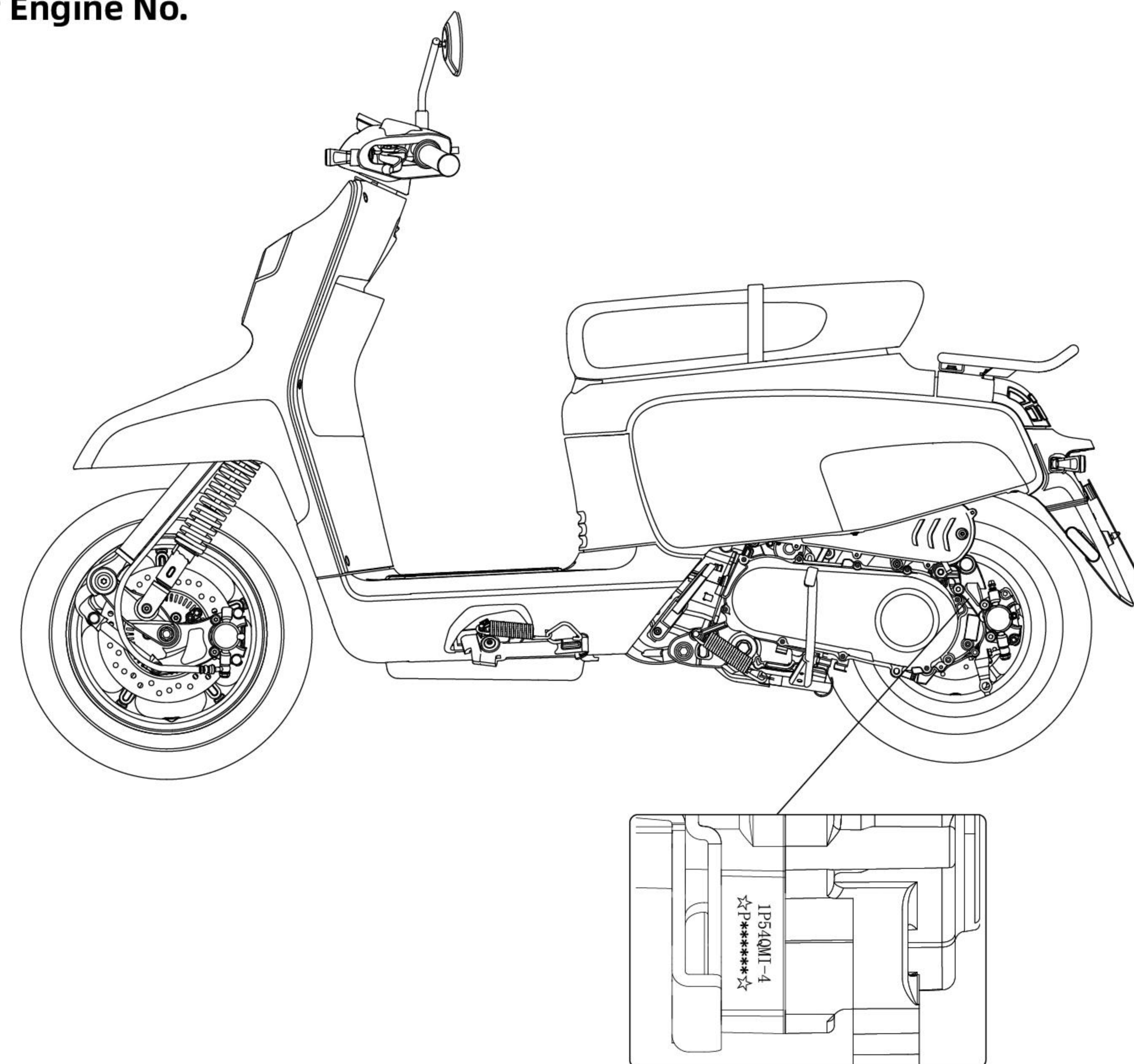
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Vehicle information

1.Position of frame No.and nameplate



2.Position of Engine No.



Specification

Item	specification	
Engine type	Single cylinder、4stroke、 air cooling	
Displacement	123.9ml	49.4ml
Bore × stroke	53.5mm×55.1mm	37.8mm×44.0mm
Compression ratio	9.5:1	11.05:1
Max power	6.5kW/7500rpm	2.7kW/8500rpm
Max torque	9.5N.m/6000rpm	3.2N.m/6000rpm
Idle speed	1600±100rpm	
Gear type	CVT	
clutch	Dry clutch shoes, auto centrifugal	
Ignition type	EFI /CARBURETOR	
Starter	Electric/Optional kick	
Spark plug	NGK CPR8EA-9	
Lubrication type	splash lubrication +pressure lubrication	
L × W ×H	1775mm×710mm×1050mm	

Item	specification
Net weight	112kg
Wheelbase	1260mm
Front tire	90/80-12
Rear tire	3.50-10
Fuel type	92# and above
Oil capacity	0.85L
Fuel capacity	5.5L
Oil type	SAE:10W-40, API:SL
Battery type	12V 6Ah
Fuse	20A/10A/10A/10A
Max speed	90km/h
Fuel consumption	2.5L/100km
Brake type	ABS version:F/R disc with ABS CBS version:F/R disc with CBS Youth version:front disc rear drum

2、Unscheduled maintenance

Item	Phenomenon and treatment
Ignition system	If there is obvious persistent ignition failure, engine overheating, or engine stalling, perform maintenance or inspection.
Carbon deposit removal	If the engine horsepower drops significantly between 10,000 and 15,000 kilometers, please remove the carbon deposits from the exhaust system, cylinder head, and piston head.。
CVT	If the top speed drops significantly between 10,000-15,000 kilometers, please perform maintenance and inspection on the CVT system.
Piston	The first 1,000 kilometers of a new vehicle is the vehicle's running-in period. During this stage, if you drive with heavy load or high speed (the first 500 kilometers, the speed should not exceed 70Km/h, and the last 500 kilometers avoid long-term high speed), the piston, piston ring and cylinder may be worn or stuck, please clean it or replace it with new one in time.

Driving instructions

Before riding

This user manual explains the correct use, safe driving, simple inspection methods, etc. of the vehicle you purchased. In order to make your driving more comfortable and safer, please read it carefully. If you have any questions about this manual, please contact your dealer .

To ensure your rights, please obtain the user manual from the dealer when purchasing, and please accept the following instructions:

1. Correct use of vehicles.

2、Pre-delivery inspection and maintenance matters。

3、If there are other changes to the vehicle's style, or if the photos or pictures in the book are different from the actual vehicle, the actual vehicle shall prevail.

Remark:

In order to maximize the performance of your vehicle, you must strictly implement the "Regular Inspection and Maintenance Items and Schedule" for inspection and maintenance. We hope that you will perform initial inspection and maintenance of your new vehicle when it has traveled 500 kilometers.

Safety riding

Being naturally relaxed and wearing comfortable clothing are essential for safe driving.



①The cuffs should be buttoned and the clothes should be neatly worn to avoid hooking the cuffs on the brake lever. Do not wear clothes that hinder driving safety to avoid danger.

②Wear helmet.

③When driving, use both hands to hold the handlebar. Never drive with one hand, otherwise it is very dangerous.

④Wearing flat shoes is safer.



When the vehicle is running or within 30 minutes of stopping, the exhaust pipe is very hot. Do not touch it to avoid burns. ◀

When the vehicle is running or within 30 minutes of stopping, the exhaust pipe is very hot. Do not touch it to avoid burns. ◀



Do not start the engine in a closed or semi-closed space. Carbon monoxide in exhaust fumes is toxic and potentially fatal. ◀

Riding method

- Maintain a natural posture to operate freely.
- The safety of two-wheeled vehicle operation is related to the riding position. When riding, please always keep the person in the center of the seat cushion. If the rider is in the rear half of the seat cushion, the load on the front wheel will be reduced, and the handlebar may swing, which danger will occurs easy.



• When the vehicle is turning, if the body is slightly tilted inward, it will be easier to turn. If the vehicle and the body are not kept slightly tilted inward, driving will be unsafe.

- Damaged roads, gravel or uneven surfaces make driving unstable. When driving, first look at the road conditions clearly, then slow down, relax your wrists and shoulders, and hold the handlebars tightly.

Loading

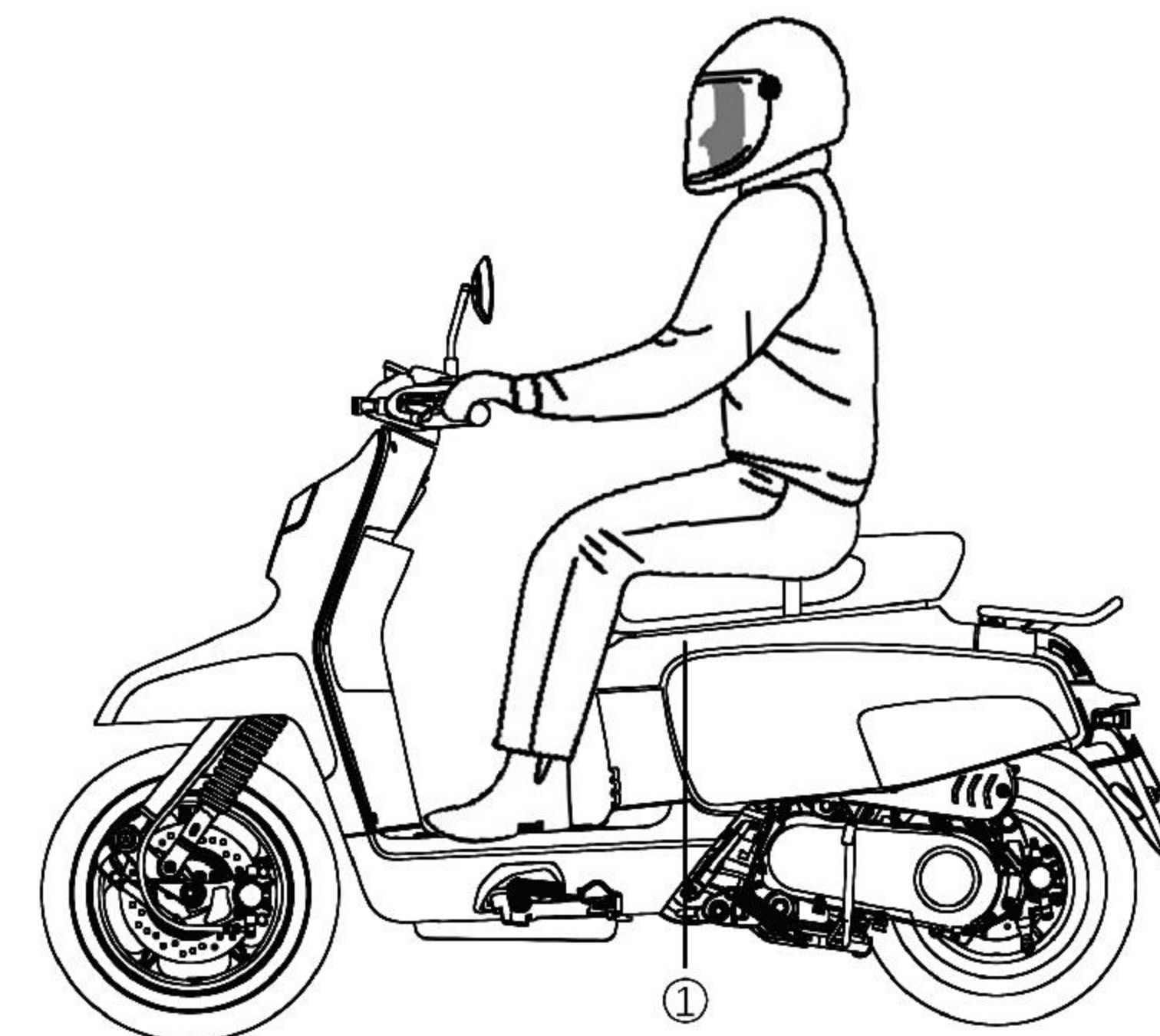
- The feeling of the handle will change when loading and unloading, so be careful when loading. When it is overweight, the handlebar will swing easily, so overloading driving should be avoided.
- The temperature of the exhaust pipe is very high. Rear passengers should be careful when getting in or out of the vehicle to avoid burns.
- Loading weight

①Luggage box: 10kg

▷Note: Please do not put valuables in the luggage box to avoid lost.



The structure and function of the vehicle are related. Any modification will worsen the handling performance, shorten the life of the vehicle, and affect driving safety.



Arbitrary modification of vehicles is not allowed by law and is illegal. Once the vehicle has been modified, the warranty rights are lost. ◀

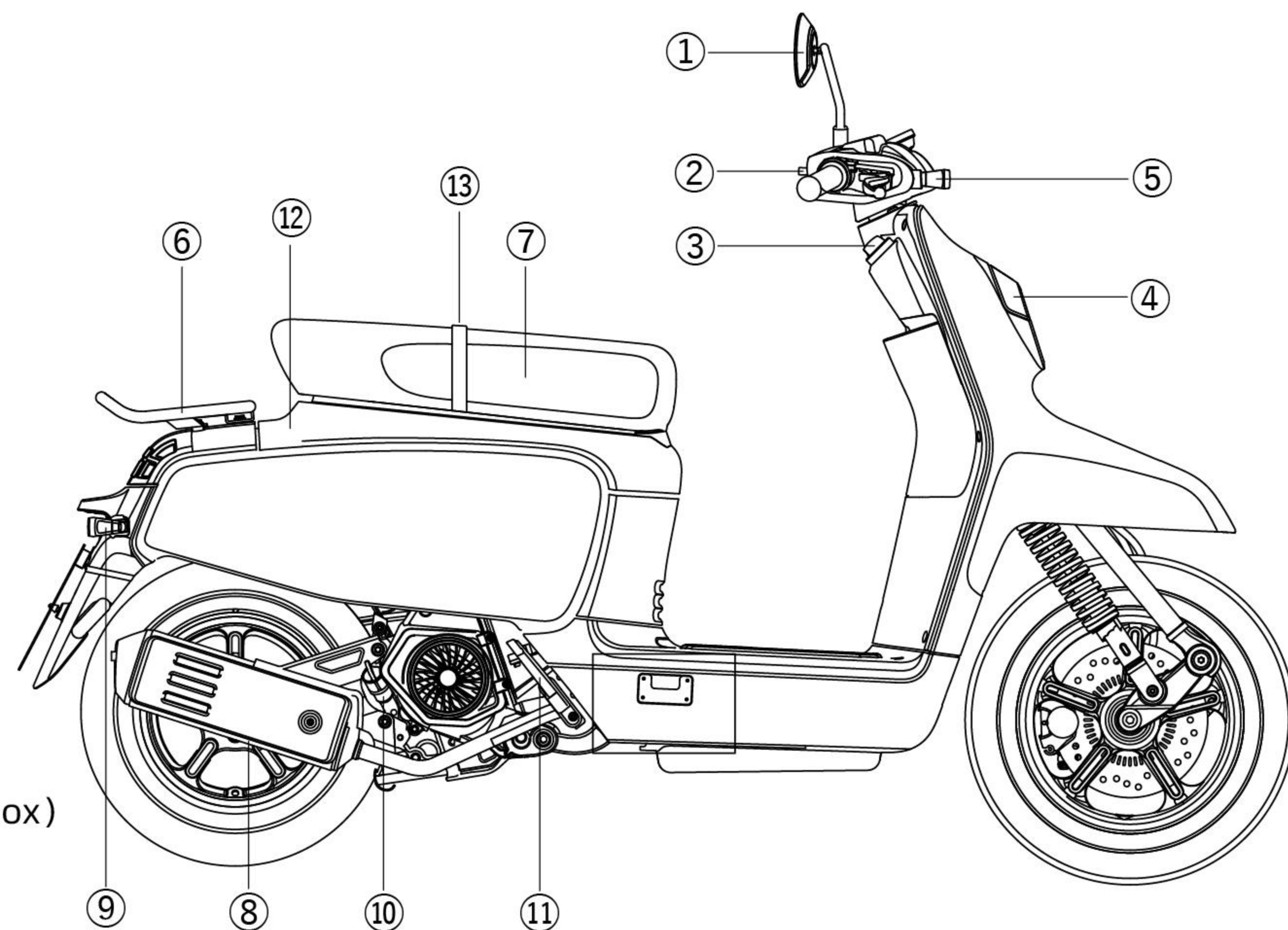


Do not place any cloth between the body cover and the engine to avoid causing a fire. Do not load anything other than the designated luggage box. ◀

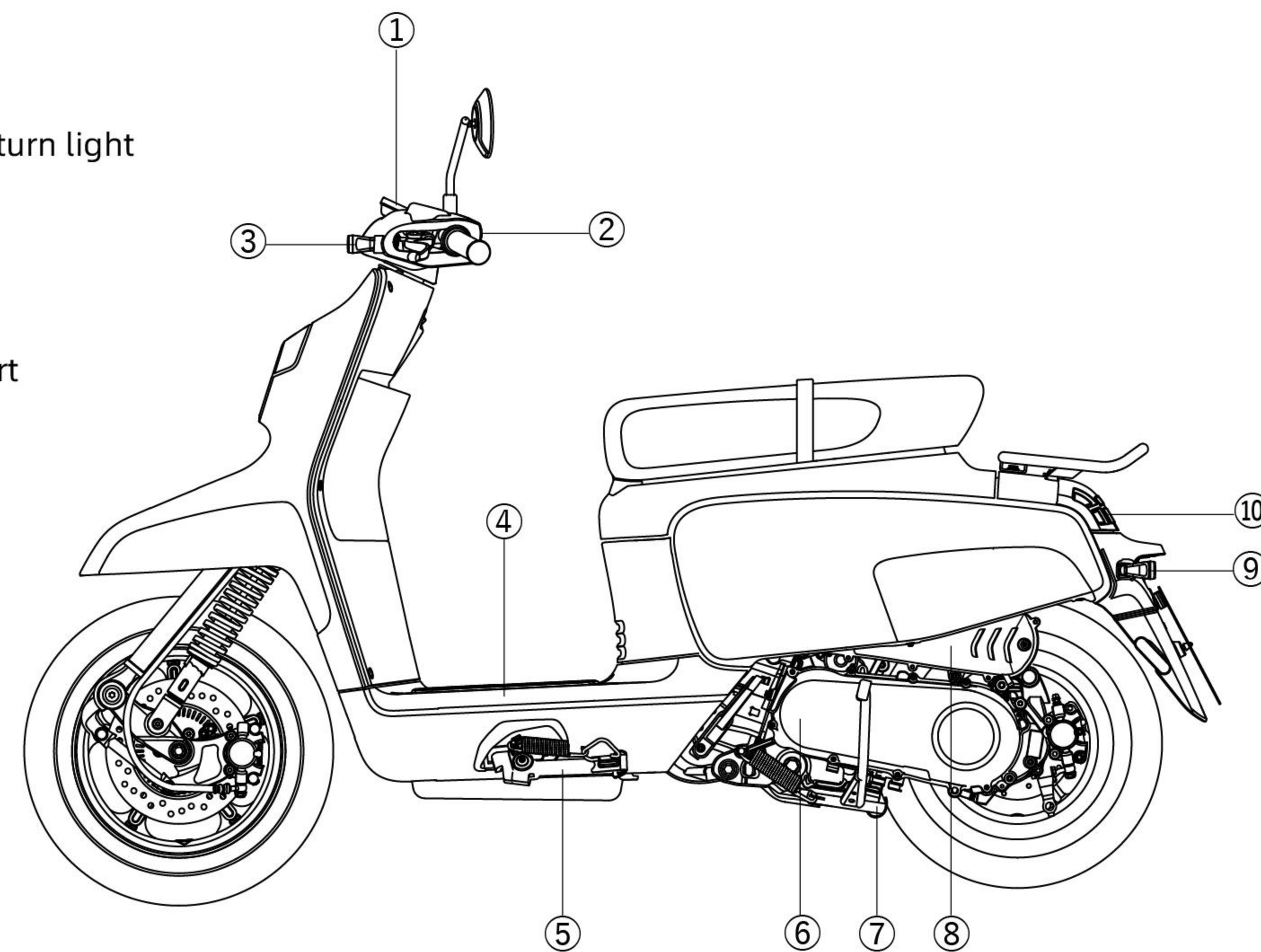
Parts Name and operation

Parts Name

- ① Mirror
- ② ISG switch or flame-out switch 、 start button
- ③ Ignition switch
- ④ Headlight
- ⑤ F/R turn signal
- ⑥ Rear carrier
- ⑦ Seat
- ⑧ Muffler
- ⑨ R/R turn signal
- ⑩ Engine oil injection port
- ⑪ Pedal
- ⑫ Battery (rear luggage box)
- ⑬ Rear handle



- ① ①Speedometer
- ② High/low beam, turn light switch,Horn button
- ③ F/L turn signal
- ④ Gasoline filler port
- ⑤ Side stand
- ⑥ Engine
- ⑦ Main stand
- ⑧ Air filter
- ⑨ R/L turn signal
- ⑩ Taillight



Parts operation

LCD meter function and operation

① speedometer

Driving speed is expressed in km/h, mph.

② Odometer

a.Mileage is measured in km/mile

b.Odometer (ODO) 、one way mileage (TRIP)

③ Tachometer (RPM)

It is the engine speed per minute, corresponding to the digital scale x1000rpm, which is the real-time speed

④ High beam indicator

This light comes on to indicate that the headlights are in the high beam position.

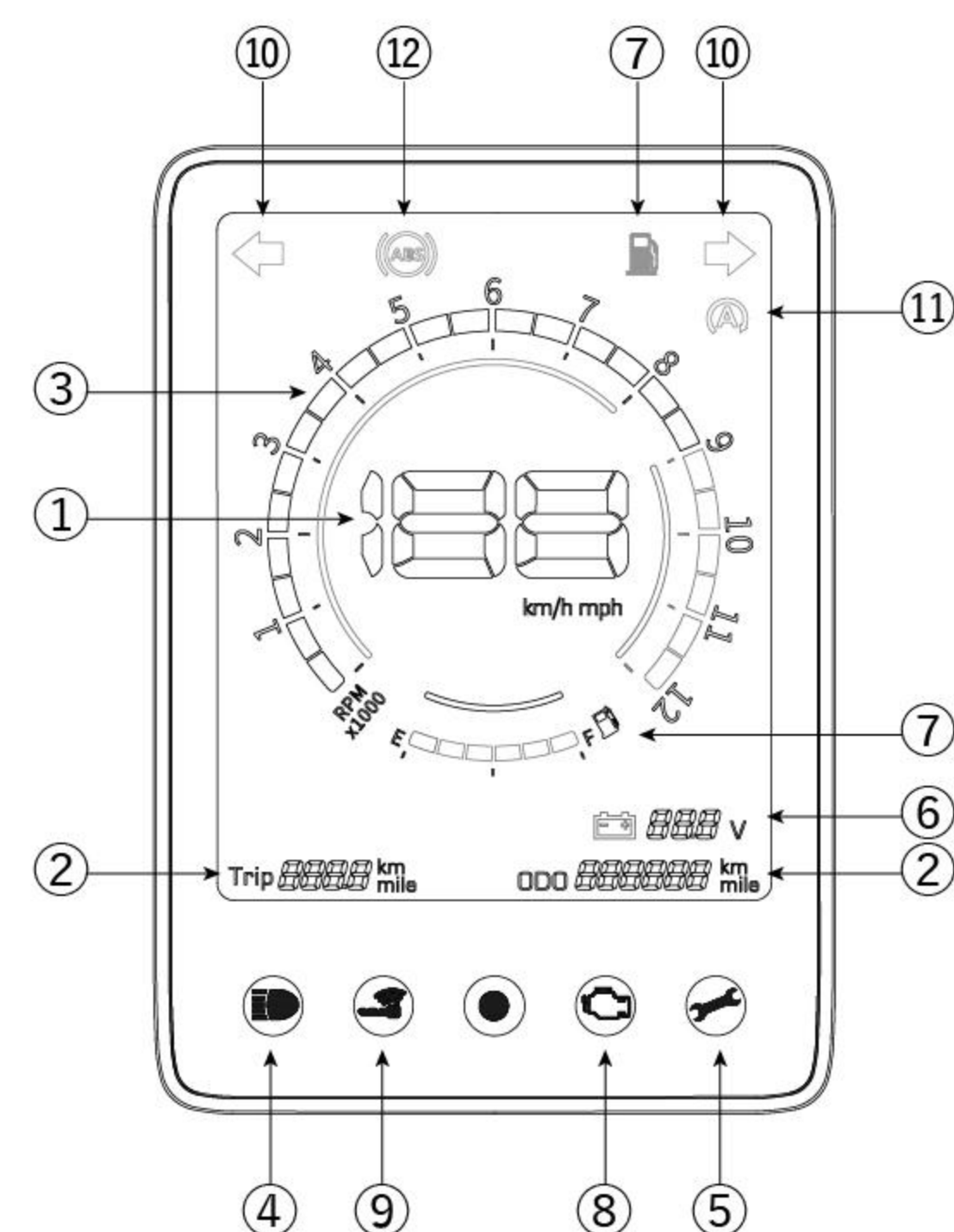


When driving in urban areas or passing cars, please turn your headlights to the low beam position so as not to obstruct the view of the car ahead and ensure driving safety.

⑤ Maintenance reminder light

a.When the mileage reaches to 500km or every 3,000 km thereafter, the indicator light will light up, indicating the need to change the oil/maintain the vehicle.

b.After the maintenance indicator light comes on, the indicator light goes out after a total of 50km of travel.



While the vehicle is in use, check the engine oil level every 1,000km and replenish it if it is insufficient.◀

⑥ Battery voltage indicator light

This position displays VOLT (battery voltage). If the voltage is lower than 10.5V, the red light will light up.

⑦ Fuel gauge display/fuel level indicator light

Indicates the amount of gasoline in the tank.

When the display position of the fuel gauge is close to E, the last fuel level alarm "red bar" is displayed, the "red bar" will start to flash at the same time (approximately 40km of driving time). Please replenish 92# or above unleaded gasoline as soon as possible.

⑧ Fault warning light/fault light/fault code display

When the engine is running, the fault warning light will go out. The fault warning light caused by mis-operation or replacement of electrical components will stay on after the vehicle is started. It can be operated in 3 operating cycles(turn the ignition switch ---turn on ---turn off). After locking the vehicle,the fault warning light will automatically go out when you restart the vehicle. If it does not go out automatically, it means that the vehicle's power system is faulty. Please go to a service station for maintenance.

⑨ Key sensor light

PKE indicator light, this function is introduced in detail in the PKE smart lock chapter.

⑩ Direction indicator light

When the direction light switch is operated, the indicator light will illuminate.

⑪ ISG indicator light

This function is introduced in the "Engine Start" and "Idle Start and Stop" chapters.

⑫ ABS indicator light (only ABS version)

a.This light comes on when the ignition switch is turned on, and goes off when the driving speed approaches 10km/h;

b.The indicator light will light up when the ABS system is abnormal. (The ABS system may lose its function at this time,Please do not panic. The original braking system is still working normally.) Please go to the dealer shop for inspection as soon as possible.

c.When the battery fails or malfunctions, the ABS system will lose its function. At this time, the ABS fault indicator light will light up.



When the ABS system is activated, you may feel a little vibration on the brake lever. This is normal. When the vehicle speed is below 10km/h, the ABS system will not activate.

Ignition switch function and operation

Ignition switch (Only for Keyless option)

①  **position** Rotate the steering handle counter-clockwise until it cannot rotate, press down the ignition switch knob and rotate it counterclockwise. When the knob points to this position, the steering lever is locked.

②  **Position** When the knob points to this position, cut off the power of the lock .

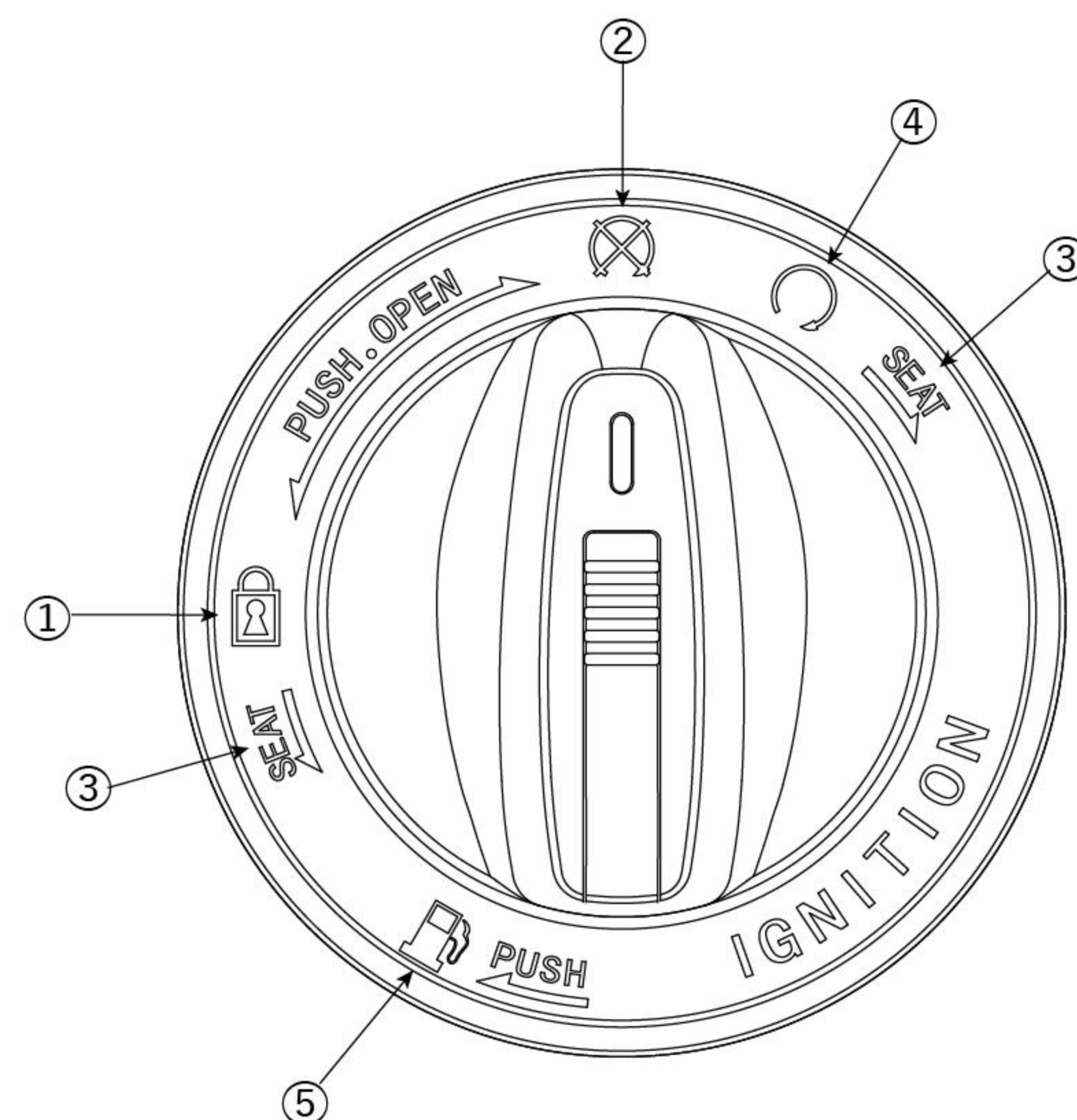
③  **Position** The seat cushion lock can be opened in three stages.

a.At the ④position, Turn the ignition switch knob clockwise to turn on the seat lock.

b.At the position , Press down on the ignition switch knob to activate the switch, and turn it counterclockwise to unlock the seat lock.

c.When the steering column is locked, press down the main switch and turn it counterclockwise to unlock the seat cushion lock.

④  **Position** When the ignition switch knob points to this position, turn on power and the entire vehicle is fully powered on.



⑤  Press the ignition switch knob and turn it fully clockwise to open the fuel tank lock cover.

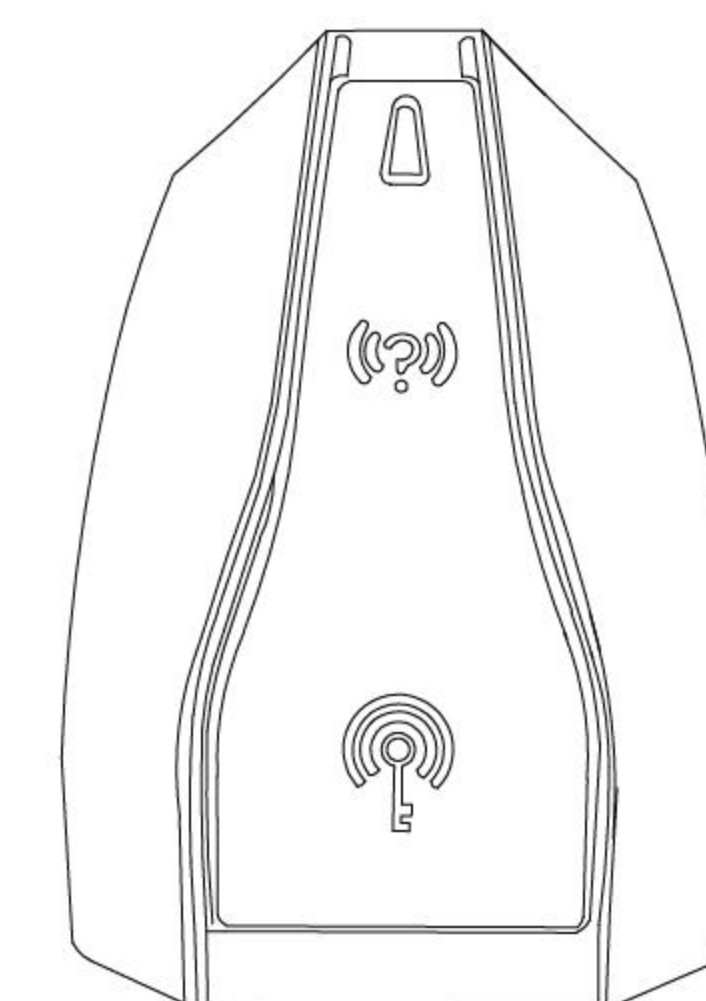
※ After opening the fuel tank lock cover, the fuel tank cover is inside the pedal. Rotate the fuel tank cover counterclockwise to open the fuel tank, clockwise turn closes the fuel tank cap.



Do not turn the ignition switch to the  position while the vehicle is moving. This is the main cause of accidents.

PKE smart key control and operation

1、Remote operation



 **Set up anti-theft:**

Short press the set anti-theft button to enter the anti-theft. if It is in the anti-theft state. Short pressing once will not perform the operation function and remain in the anti-theft state.



Unlock:

Short press the unlock button, solenoid valve, atmosphere indicator light and other functions to work simultaneously. At this time, the ignition switch can be turned on or the seat can be opened. Solenoid valve and atmosphere indication maintain 7S working time.

2、PKE keyless entry operation

Press down the lock handle to trigger the PKE switch. Within the effective distance of the induction key, the electric door lock can be opened, which has the same function as unlocking. The solenoid valve and the atmosphere indicator light work synchronously, and the solenoid valve and the atmosphere indicator light work synchronously for 7 seconds. At this time the vehicle can be started and riding.

3、Anti-theft

Short press the set anti-theft button: the remote controller move away from the vehicle, and the vehicle will be vibrated. The first pre-alarm will take 7seconds. the second alarm will cause an emergency alarm in 15,This alarm sounds and lights.

Automatic set anti-theft: The ignition switch turns from on to off,will automatically lock within 7 seconds. If you forget to manually set the anti-theft at this time, it will automatically set the light alarm within 15 seconds.The light will keep flashing at the second time.

4、Sensitivity adjustment

Long press  3s to enter the sensitivity adjustment.

The default is 3 gear, the lowest in 1 gear, the highest 5 gear, the gear is different from the sound, di,didi,didi-di,didididi,dididididi,If no gear is selected, return to default gear 3.

Select the gear:press the unlock button  to exit, enter the selected gear, press  to enter the defense, and test the sensitivity.

5、Sensing on and off

Press  and  at the same time will turn off the sensing function. At this time, the remote control is ordinary. Pressing the ignition switch button does not have the automatic unlocking function. You must press  and  again at the same time to restore it. Turn off the prompt sound,A long beep will turn off the sensing function. Two beeps means turn on the sensing function.

6、Remote control pairing

When the sensor or remote control is damaged or lost, any one of them can be matched with the remote control. Consult the supplier or manufacturer for details.

7、Key mark light (optional) (negative control)

1.When the induction remote control is close to the vehicle,the wake-up switch is triggered,the key mark light is synchronized with the solenoid valve, and the hood light works at the same time.The working time is 7 seconds. Without any operation, it turns off in 7 seconds.

2.When the switch is turned to the ignition position, the key indicator light will go on for 4 seconds and then go out after 4 seconds. During the mode process, the key indicator light will not be detected.

3.When the ignition switch is turned to the off position, the key mark light comes on for 7 seconds and turns off after 7 seconds.

4.When the engine is off, press the remote control to unlock to turn on the key light, and lock to turn off the key light.



Emergency key use

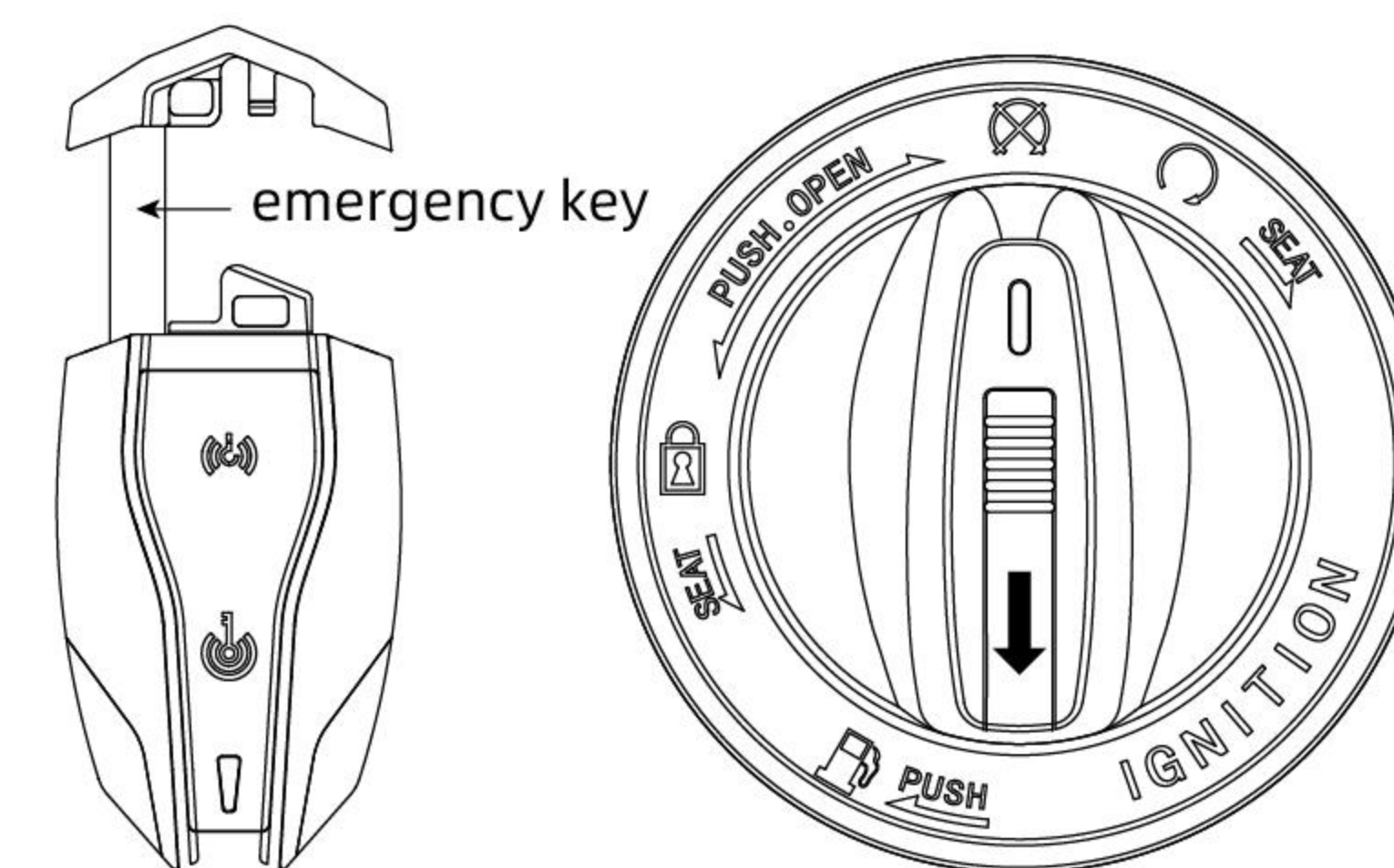
By using the emergency key, you can unlock the ignition switch and open the luggage box and fuel tank lock cover.

Steps:

- 1.Take out the emergency key from the remote control.
2. open the cover on the ignition switch knob and

insert the emergency key.

3.Turn the knob to realize the corresponding function.

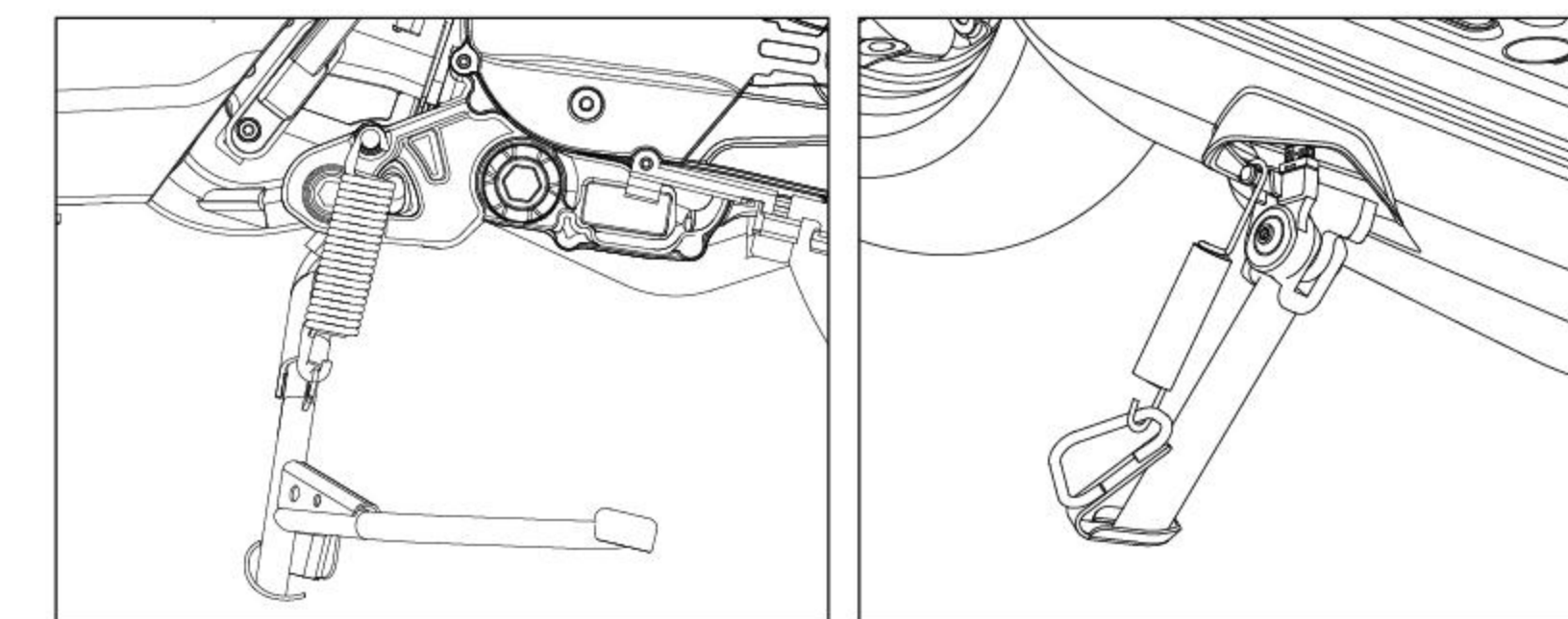


Side stand function and operation

The side stand is not just for parking, it contains a safety mechanism that when the side stand is down,the vehicle won't start .

<Check the side stand automatic flameout system >

- 1.hold the main stand up on a flat ground
- 2.After returning the side stand to the upper position, the engine can be start
- 3.After putting down the side stand, you can check whether the flameout function of the side stand is normal.



Main stand

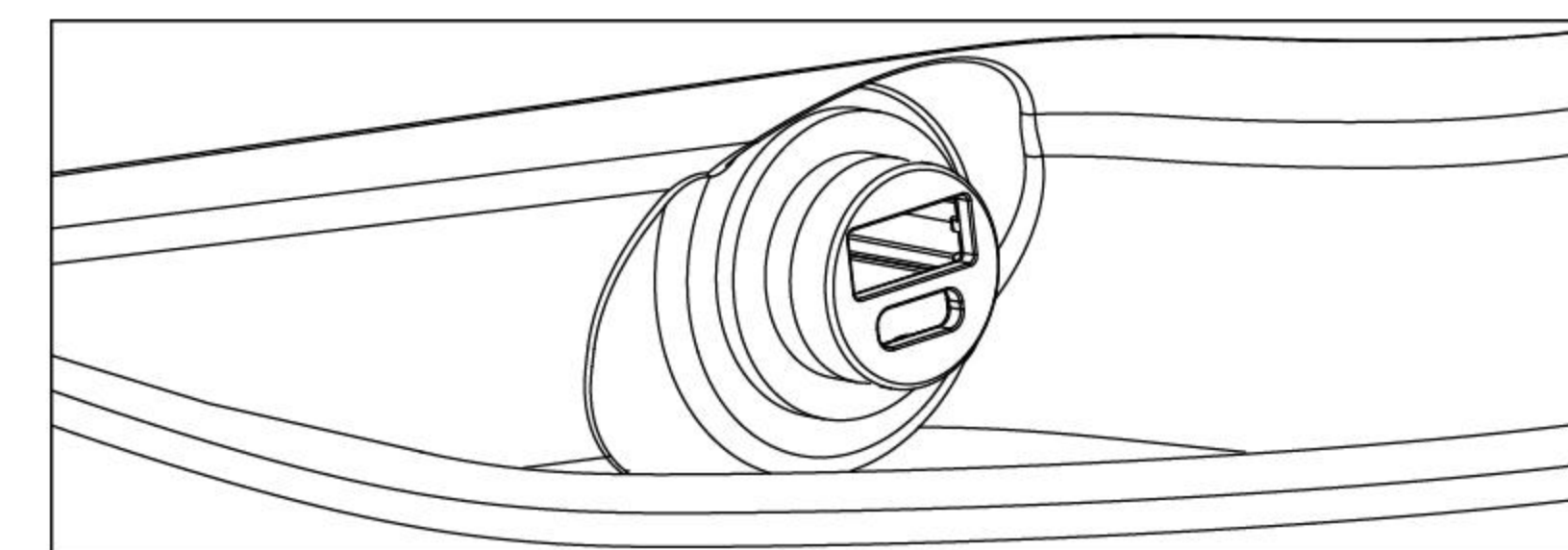
side stand



If there are any problems with the operation of the side bracket, please go to your dealer for inspection.

USB charge

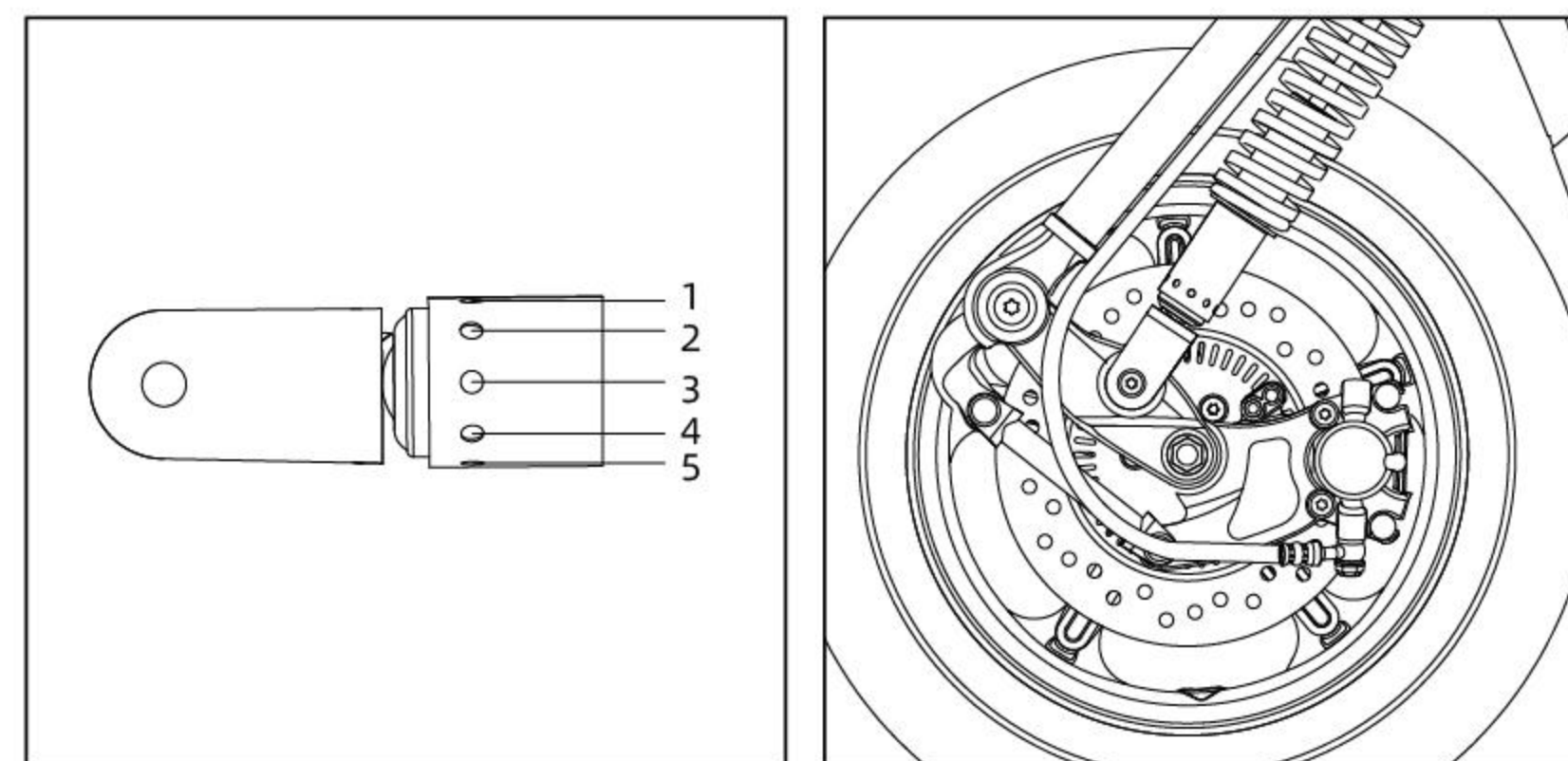
USB power socket (located on the left side of the front glove box)



USB charging port

Front absorber adjustment

- The front absorber has 5 positions to adjust the spring preload for different road conditions.
- The spring preload can be adjusted using the adjustment tool. When light load or higher comfort is required, it can be adjusted downward as needed (3→2→1).
- When heavy load or higher controllability is required, it can be adjusted upward as needed (3→4→5).
- Standard preload position: →3.

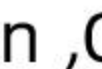


The absorbers on both sides must be adjusted to the same position. The preload positions of each stage must be adjusted in sequence (1-2-3-4-5 or 5-4-3-2-1). If you jump directly from 1 to 5 or 5 to 1, it will cause damage to the absorber.

Start button

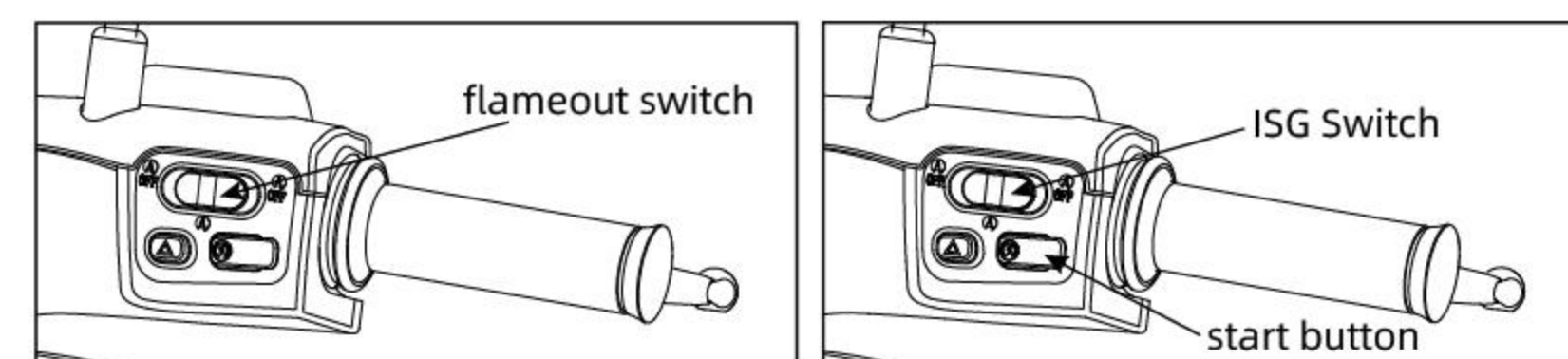
Turn the main switch to the "  " position, retract the side stand, hold the brake lever and press the start button to start the engine.

Flameout switch (youth version)

At  position ,the vehicle is flameout ,can't be start .
At  position ,Can turn on the power and start the vehicle

ISG switch

At  this position, turn off the ISG function ;
At  position ,turn on the ISG function.



headlight switch

 Use this position when high beam is shining.
 When driving in urban areas or when a car is coming ahead, use low beam headlights to avoid affecting the view of the oncoming car ahead.

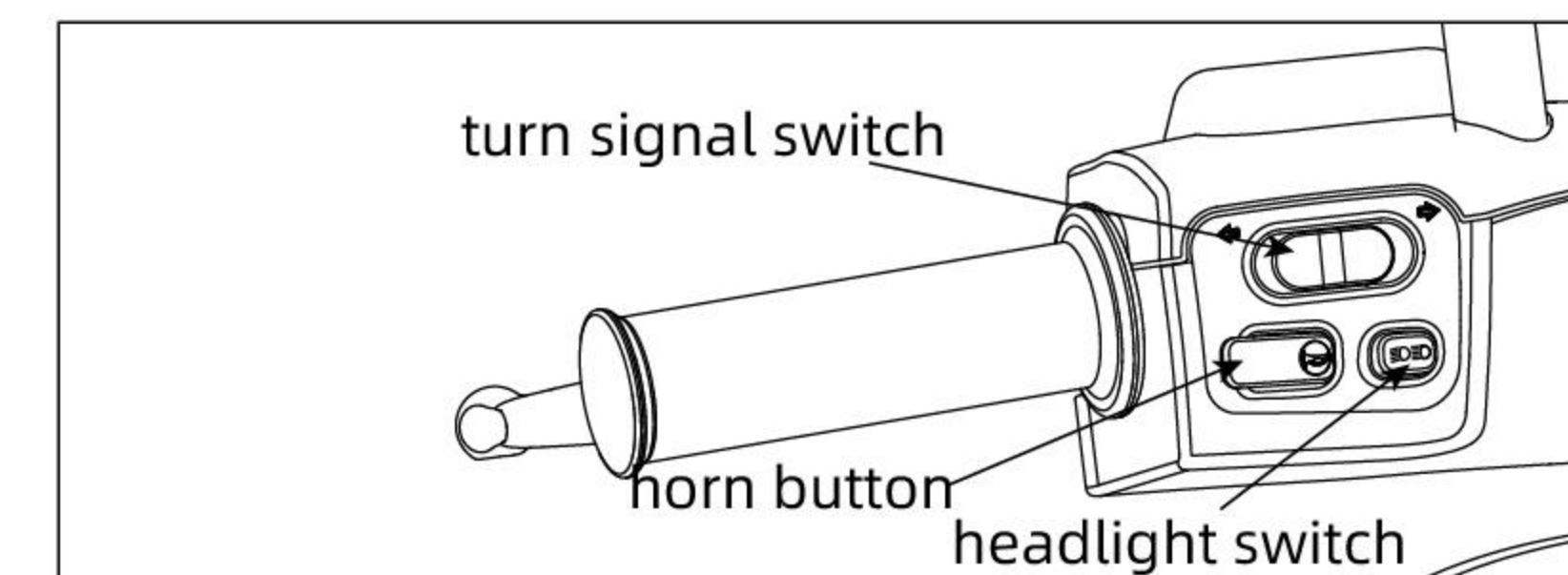
Horn button

When the main switch is turned on to the "  " position, press this button and the horn will sound.

Tip: Please pay attention to the "No Honking" signs in urban areas and do not press the horn button at will.

Turn signal switch

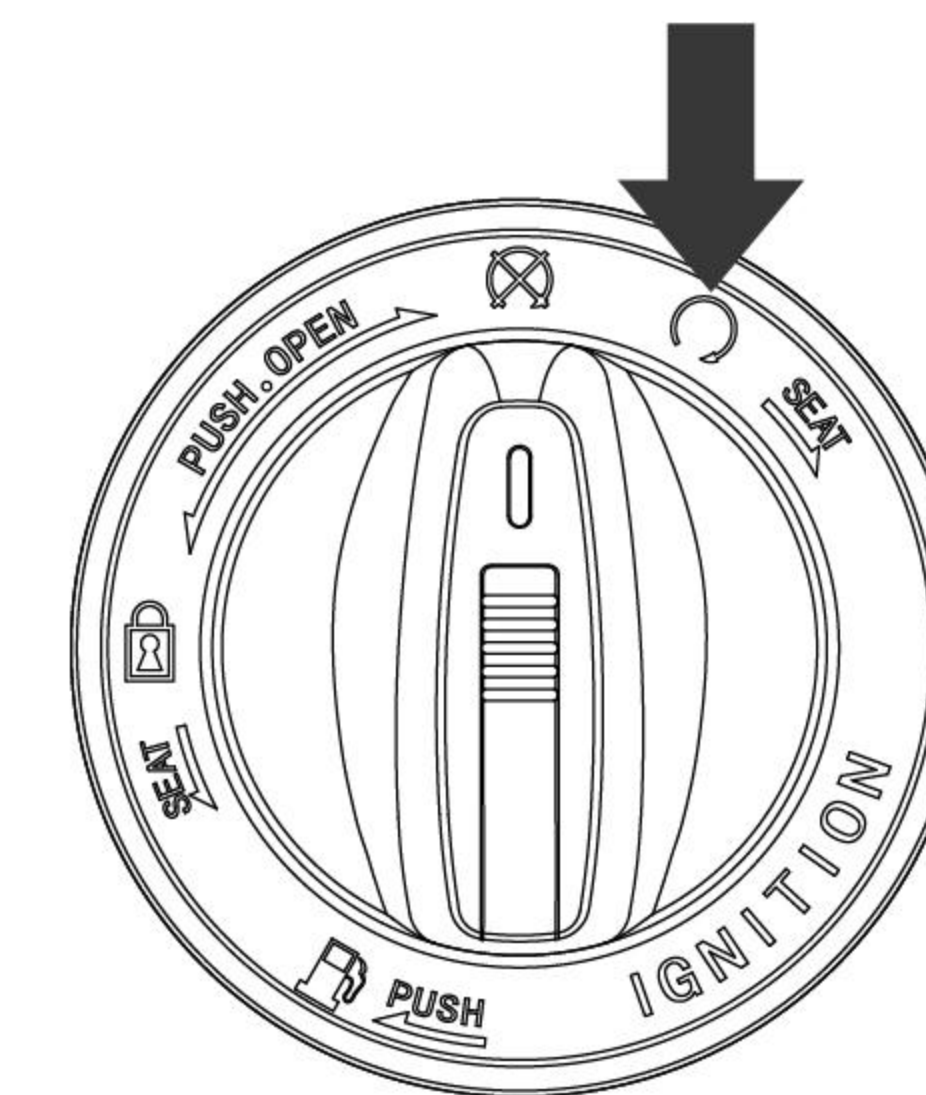
1. When turning or changing lanes, the turn signal should be used in advance. The turn signal will flash when the switch is turned left or right.
 - ⇐ This position is used when turning left.
 - ⇒ This position is used when turning right.



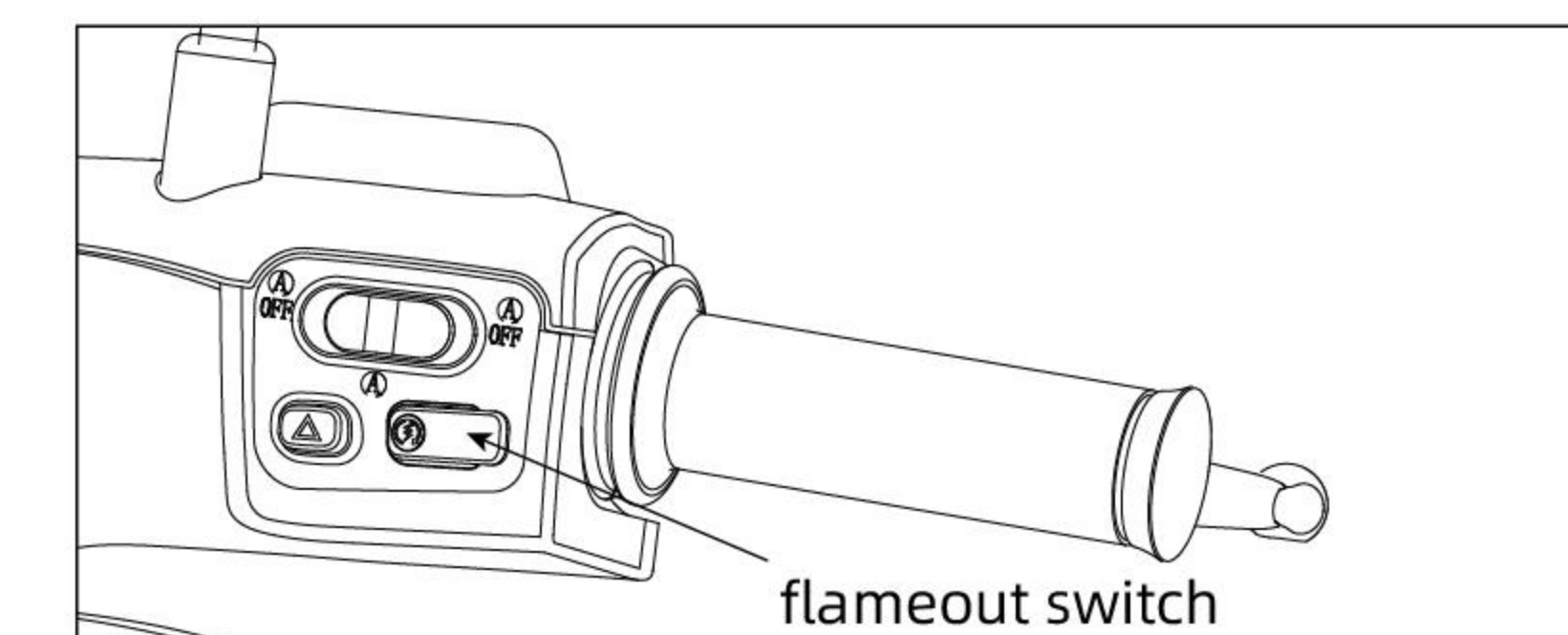
2. When restoring, push the turn signal button to the middle.
3. When using the turn signal,the instrument direction indicator lights flash at the same time.

Start the Engine

- 1.Turn the ignition switch to  position.



When the ignition switch knob turn to the  position, press the horn button and the horn will sound. Press the turn signal switch and direction lights will flash.

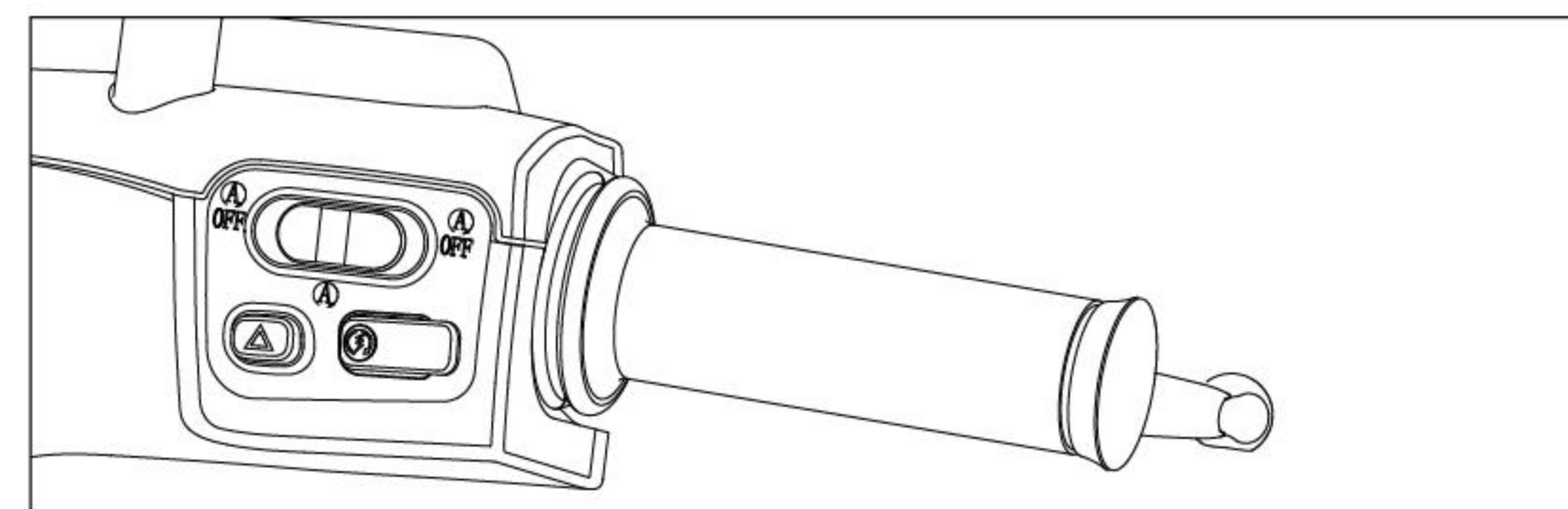


2. Before starting, retract the side stand, hold the brake lever, and press start button.

The start button can automatically start the engine without pressing it for a long time.

3. When starting, there is no need to turn the throttle grip .

4. After the engine is cold and started, it should be warmed up and idled for a short time to protect the engine.

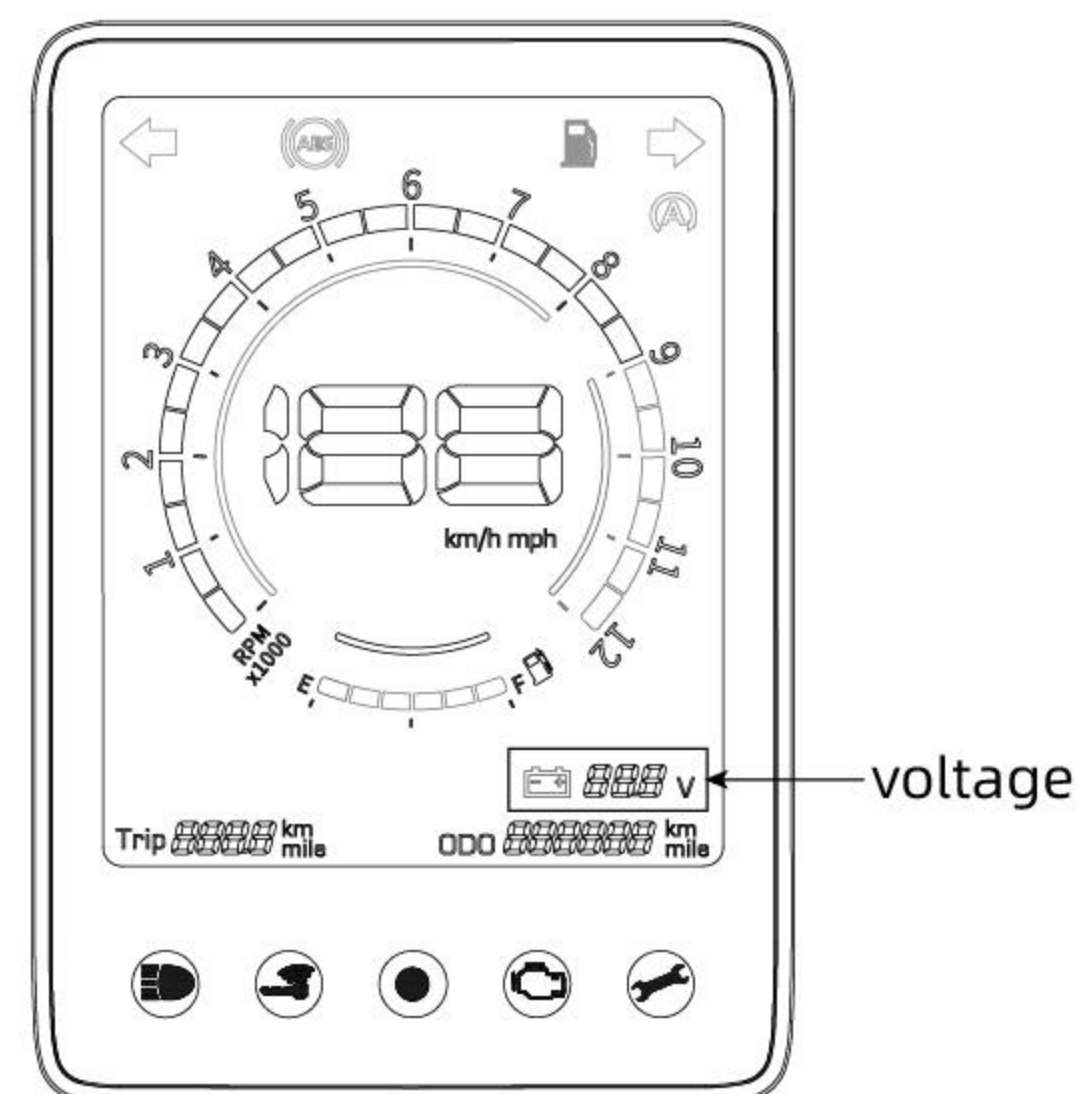


a. Press the start button, but there is no starting response. Please check whether the side stand are retracted and whether the flameout switch is at the position (youth version).

b. After starting the engine and before driving, the brake lever should remain in the braking state.

c. When the battery is under-voltage and cannot be started, please check whether the battery voltage shown on the meter is too low. If so, check the charging system or battery, and repair or replace it if necessary.

▷Note: During the starting process, when the battery voltage is lower than 10.5V, the vehicle may be difficult to start.



voltage

Please install the battery in a locked manner when starting the engine. If the battery voltage is abnormal, the engine fault light may come on and the instrument battery voltage is too low. Please go to the dealer or authorized service station for inspection. ◀

ISG(start /stop) function(ABS/CBS version)

1. Turn the ignition switch to the  position and put

1. the ISG switch to the  position. The ISG indicator light will come on for 2 seconds and then go off.

2. Start the vehicle and drive it. When the engine temperature exceeds 65°C, the driving speed exceeds 15km/h for more than 3 seconds, and the battery does not lose power, the basic conditions for intelligent start and stop are reached. The start-stop indicator light  comes on. At this time, if the engine idle for 3 seconds, the engine will automatically turned off, the start/stop indicator-light on the instrument will flash continuously.

3. Gently pull the throttle grip to achieve intelligent start, and the indicator  light is always on. Next time the engine is idle and automatically turn off , the start-stop indicator light will flash to remind you.



a. When the engine temperature exceeds 65°C, it will reach it in a short time when the ambient temperature is high in summer, but it will be relatively slower when it is cold in winter.

b. In the automatic flameout state, do not pull the throttle grip suddenly to start, and do not drive while distracted. Pulling the throttle grip to start without being ready to start may cause an accident.

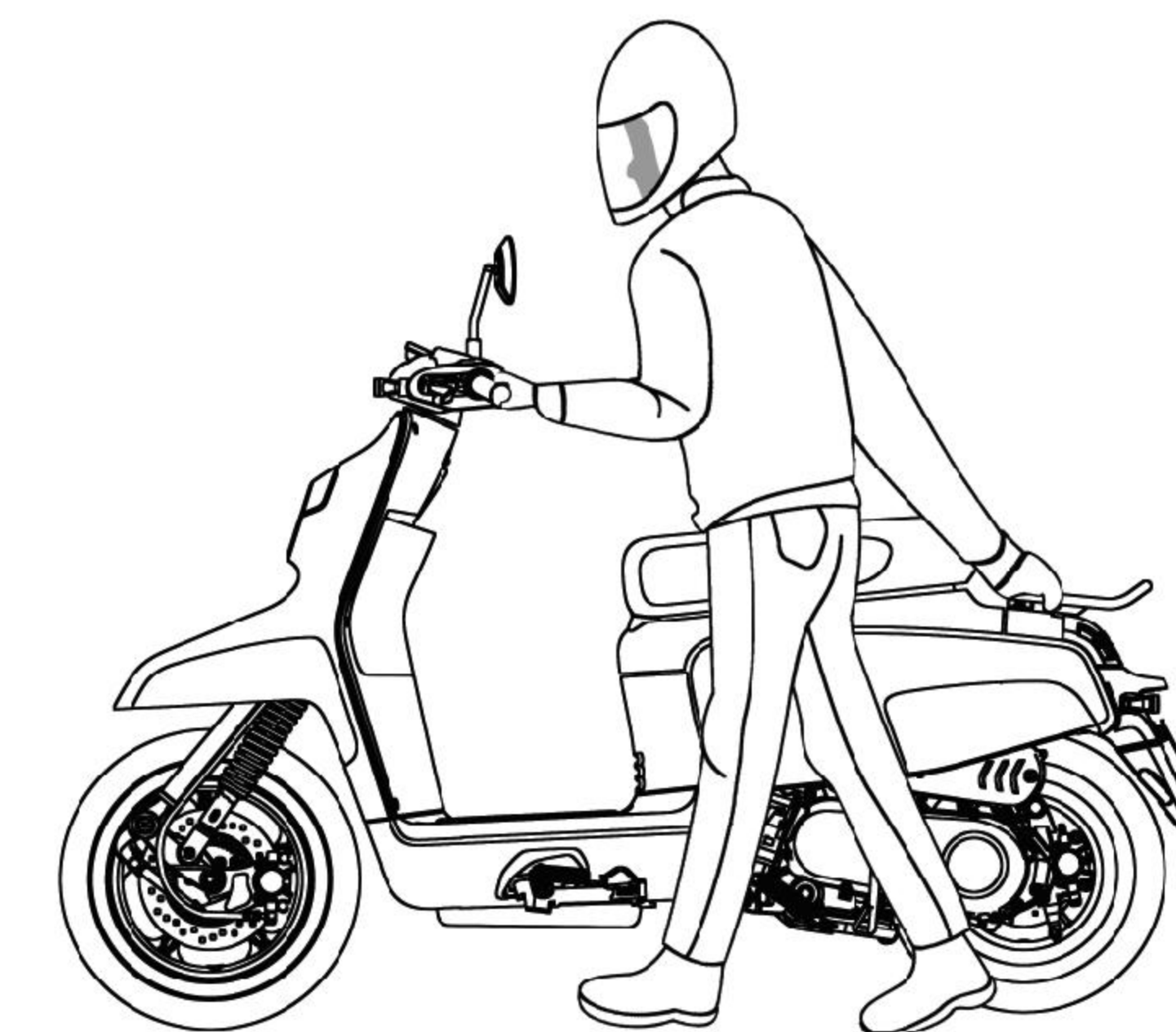
c. Before starting the vehicle, if the start-stop indicator

 light on the instrument flashes and the vehicle cannot be started, this may be due to a component failure in the start-stop system or a connection failure in related electrical components of the system. Please ask the dealer's after-sales professional to check (youth version do not have this function).

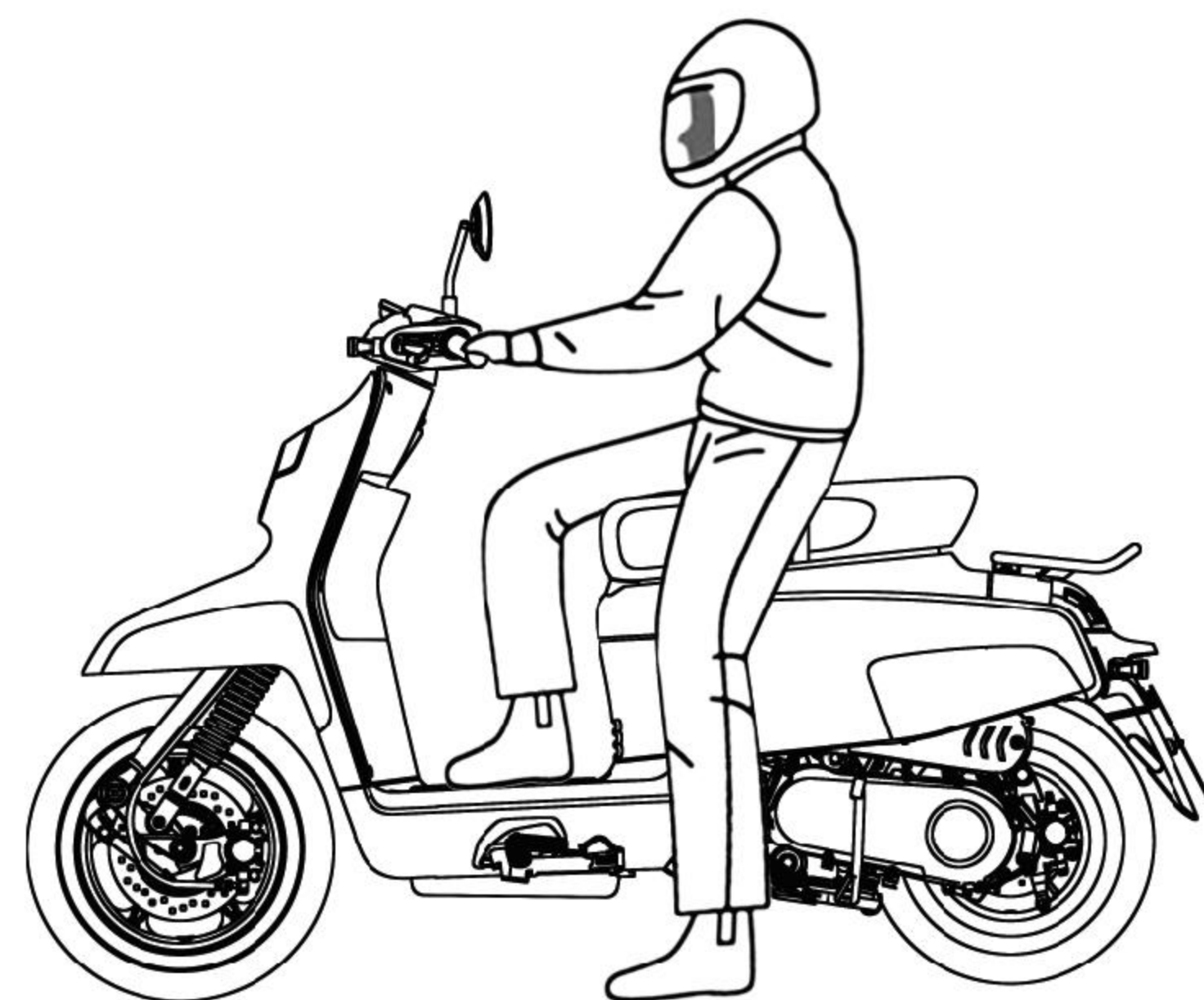
Correct driving and operation

1. First push the main stand upward.

Operation: Hold the rear brake lever in the braking state, place your right foot against the left supporting foot of the main stand, and then push the vehicle forward vehicle forward, the main stand will automatically pop up.

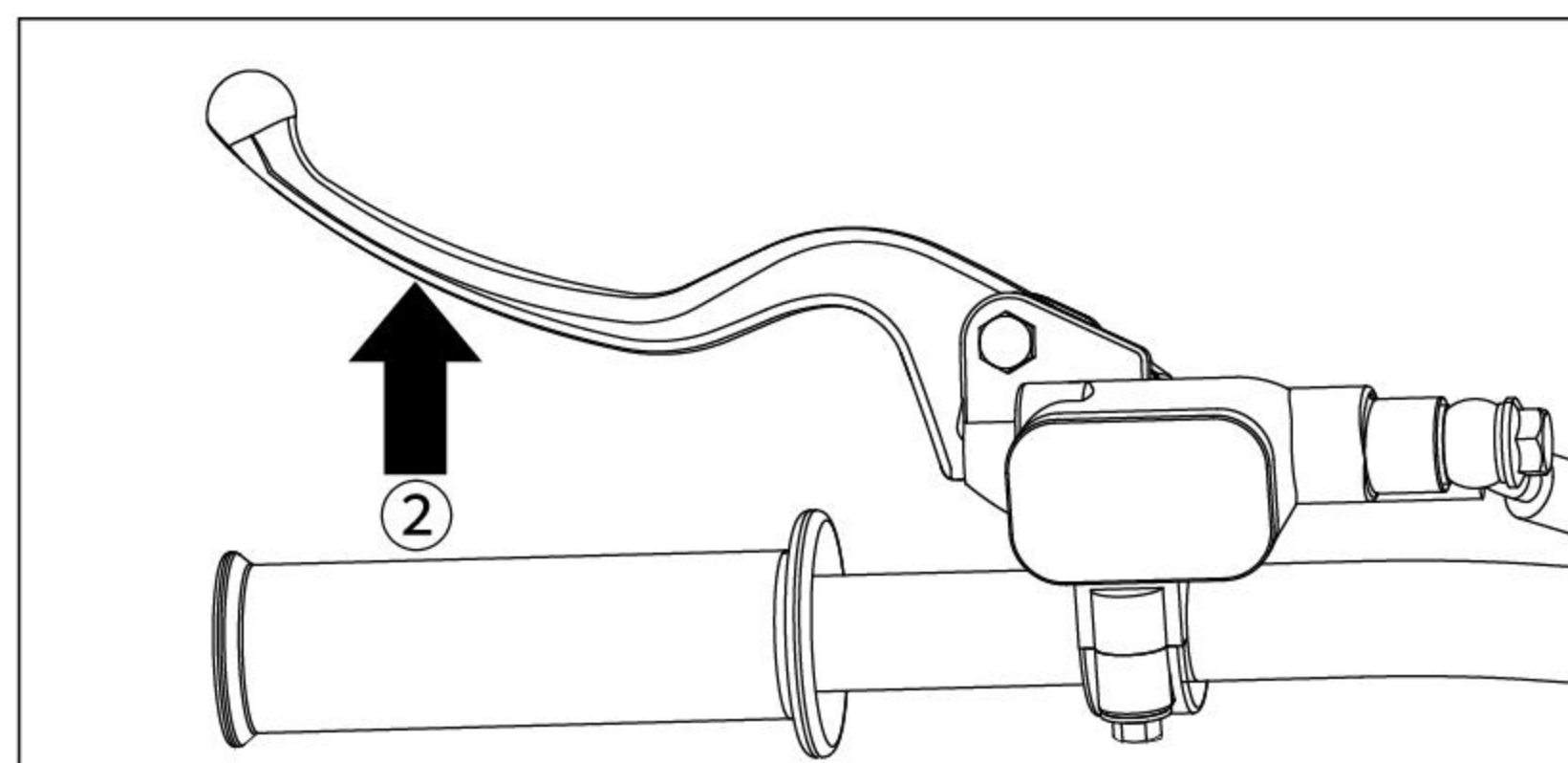
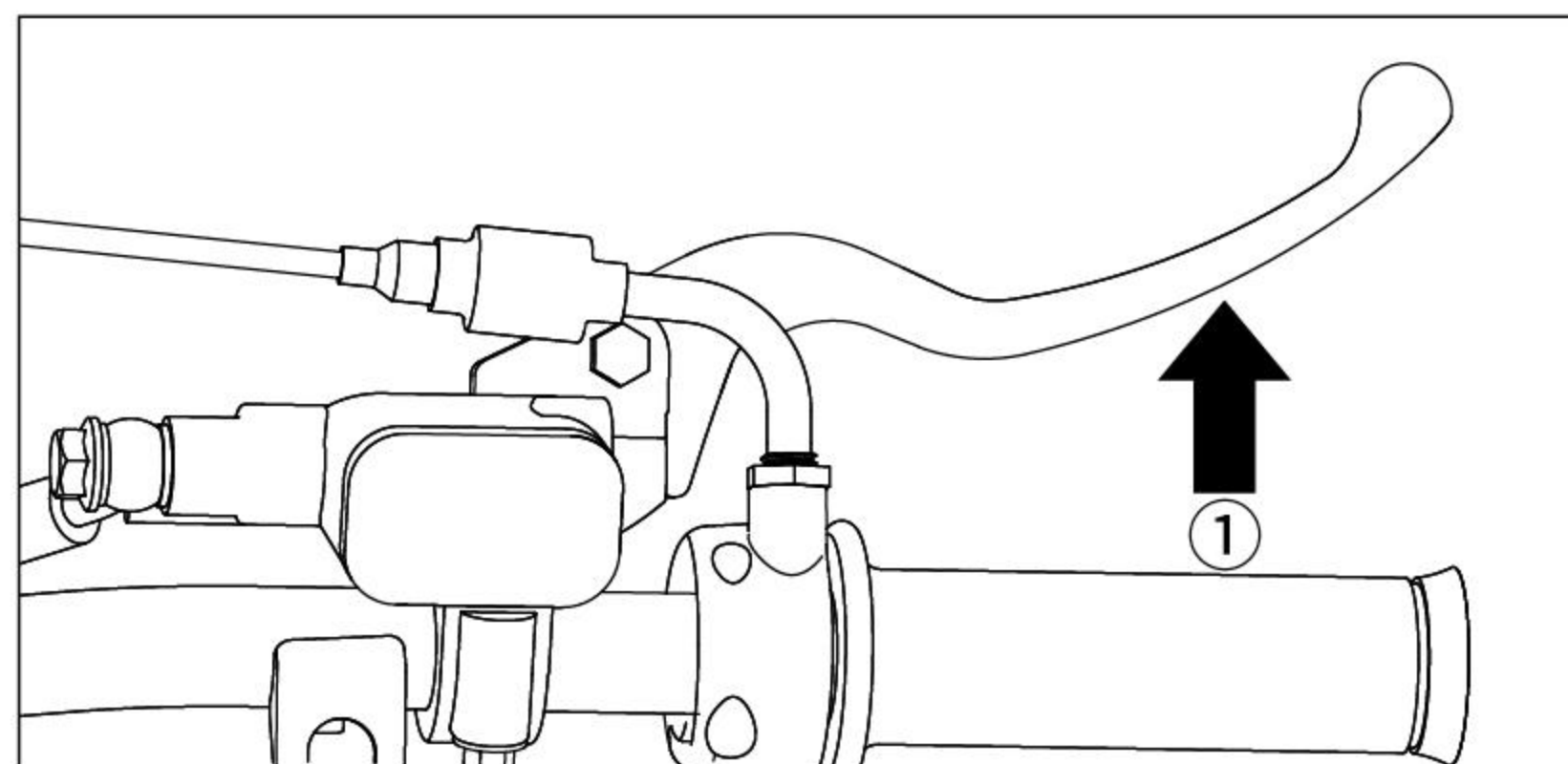


2. Step onto the motorcycle from the left side, sit upright, and touch your left foot to the ground to prevent falling;



Before driving, the rear brake should remain in the braking position. After the engine is started and before running do not do anything to increase the engine speed to avoid danger.

3. Loosen the front and rear brake levers in the direction of the arrows shown in ①②.



4. Slowly rotate the throttle grip inward, and the vehicle will move slowly.



After the front and rear brakes are released, the throttle grip must not be rotated rapidly to prevent the vehicle from rushing forward and causing danger.

Drive correctly

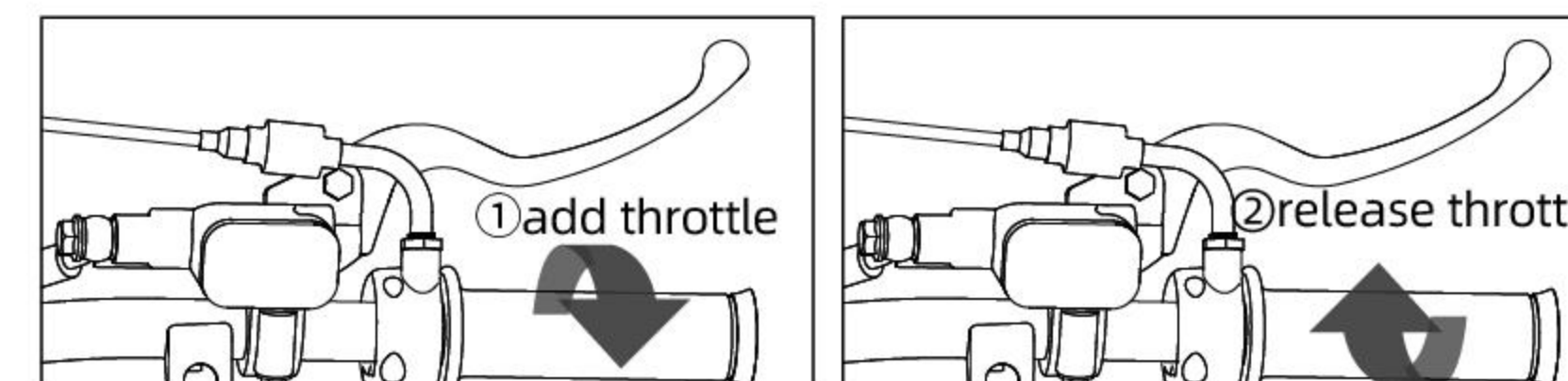
Before start out, turn on the left turn signal and then confirm whether it is safe behind you.

Adjust the speed

The speed adjustment is controlled by the throttle grip.

① Pull inward is fuel up ⇌, the horsepower will increase and the vehicle speed will become faster. Refuel slowly. When starting or going uphill, slowly pull the refueling handle inward to refuel, which will make your riding safer.

② Loosen or turn the handle forward to ease off fuel, and the vehicle speed will slow down. When braking, the ease off fuel action should be quick.



Suitable driving can extend the life of your motorcycle

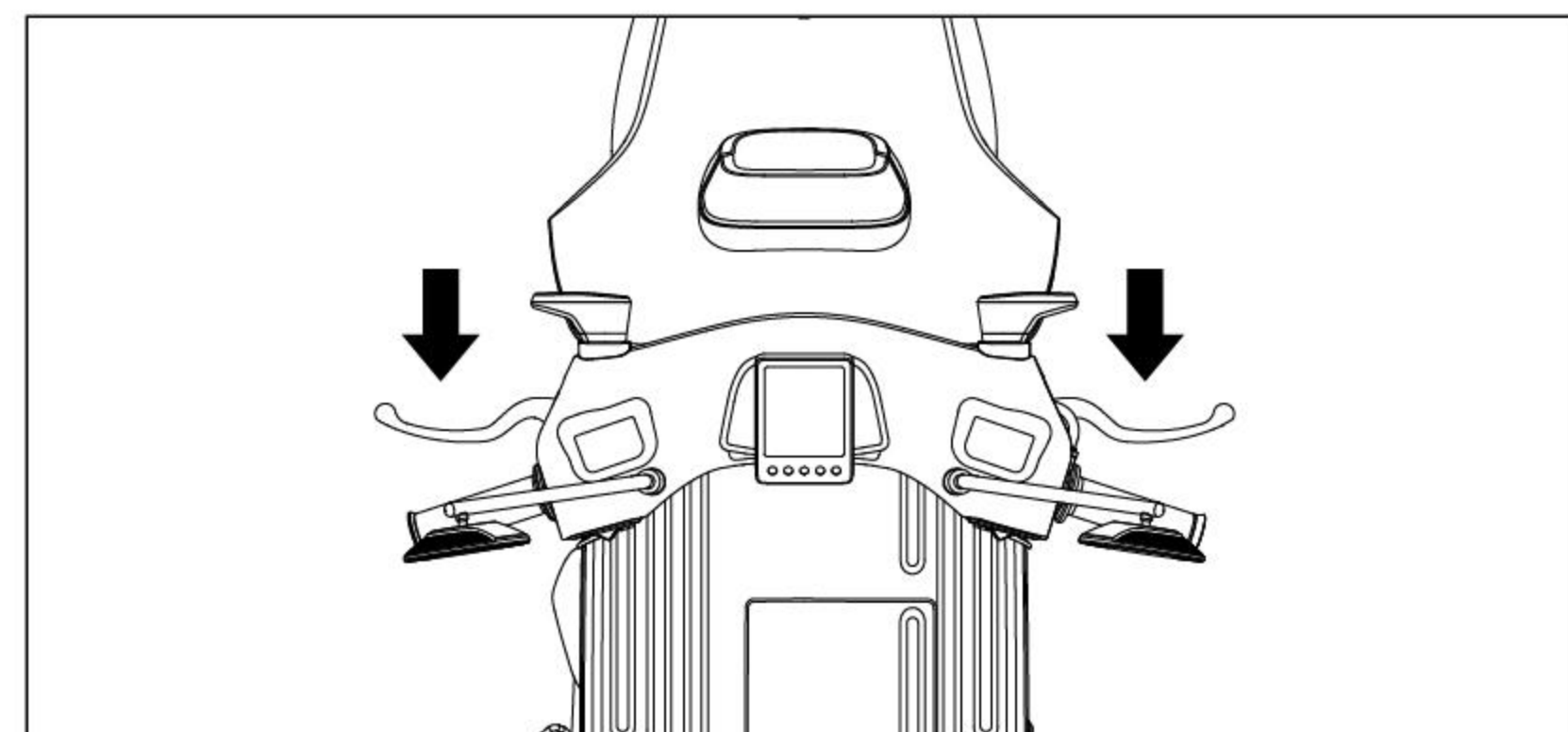
① The running-in period of a new motorcycle is 1,000km. During this stage, avoid high-speed idling of the engine without load, heavy load or high-speed driving (for the first 500 kilometers, the speed should not exceed 70Km/h, and for the last 500 kilometers, avoid long-term high speed).

When braking, the front and rear wheels must brake at the same time

① After the throttle grip returns to the initial position, brake the front and rear wheels at the same time. Slow braking is generally the most ideal braking method that can predict danger in advance.

② The left brake control system of this vehicle adopts front and rear wheel combined brake system (CBS version, ABS version will be introduced in the ABS chapter), front and rear braking forces are designed to be reasonably balanced, easy to control, and the braking is smoother and more reliable. In non-emergency situations, the left brake control system can be used alone.

③ In extreme emergency situations, please use the left and right brake control systems at the same time.



Sudden braking. Using the front brake alone can easily cause the motorcycle to slip. Avoid sudden braking unless necessary during driving, as this can easily cause the motorcycle to slip.

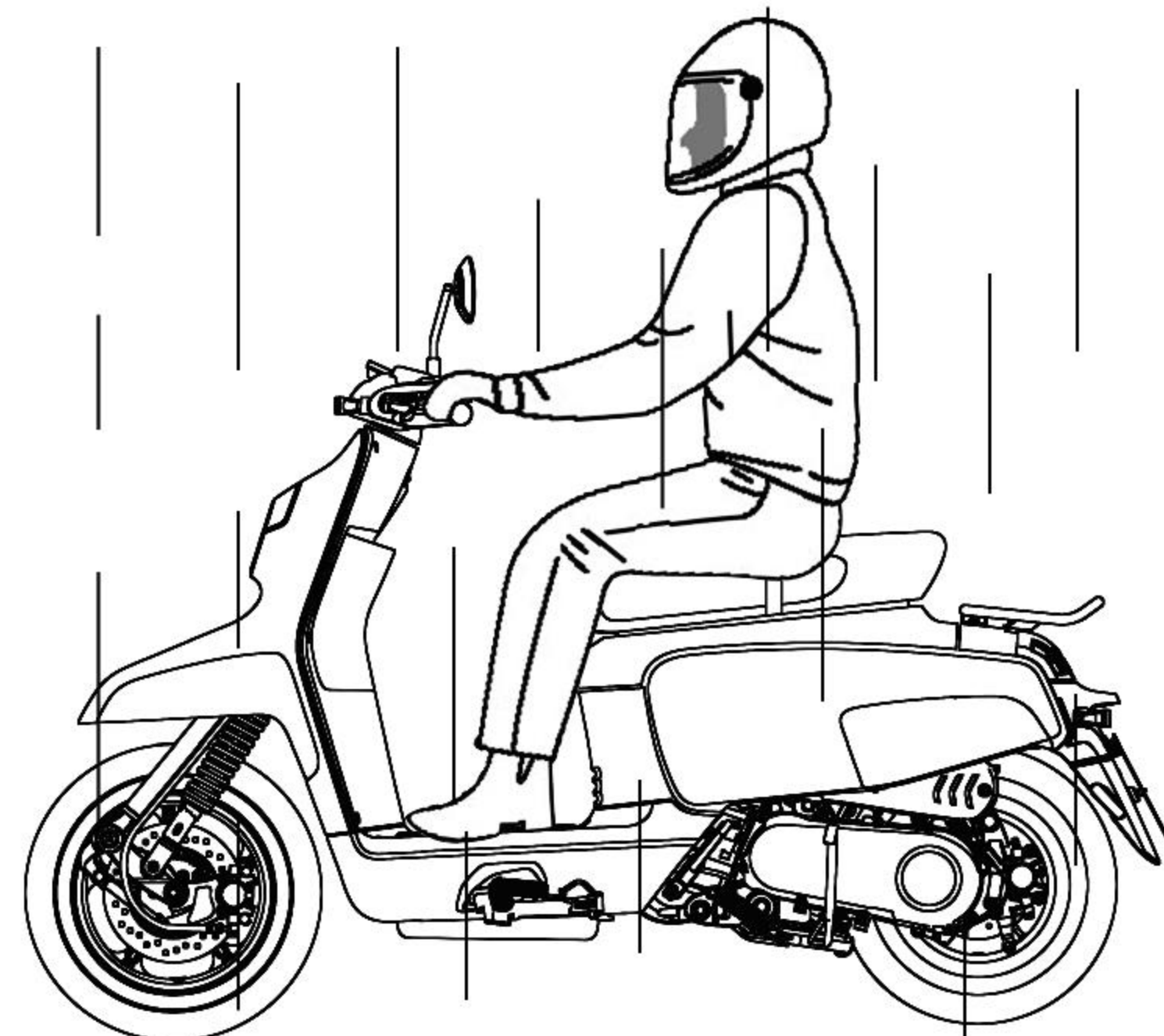
Do not turn sharply or braking suddenly during turn

Turn sharply or braking suddenly during turn is the cause of sliding and tipping, and this operation is very dangerous.

Be especially careful when driving in rainy weather

- The road surface on rainy days is different from

that on sunny days, and the braking distance will be longer. The speed should be reduced and the braking time should be earlier.



- When going downhill, first return the throttle grip to the initial position, apply intermittent braking, and drive slowly.

Stop and Parking

When approaching to a parking spot.

- Turn on the turn signal in advance and pay attention

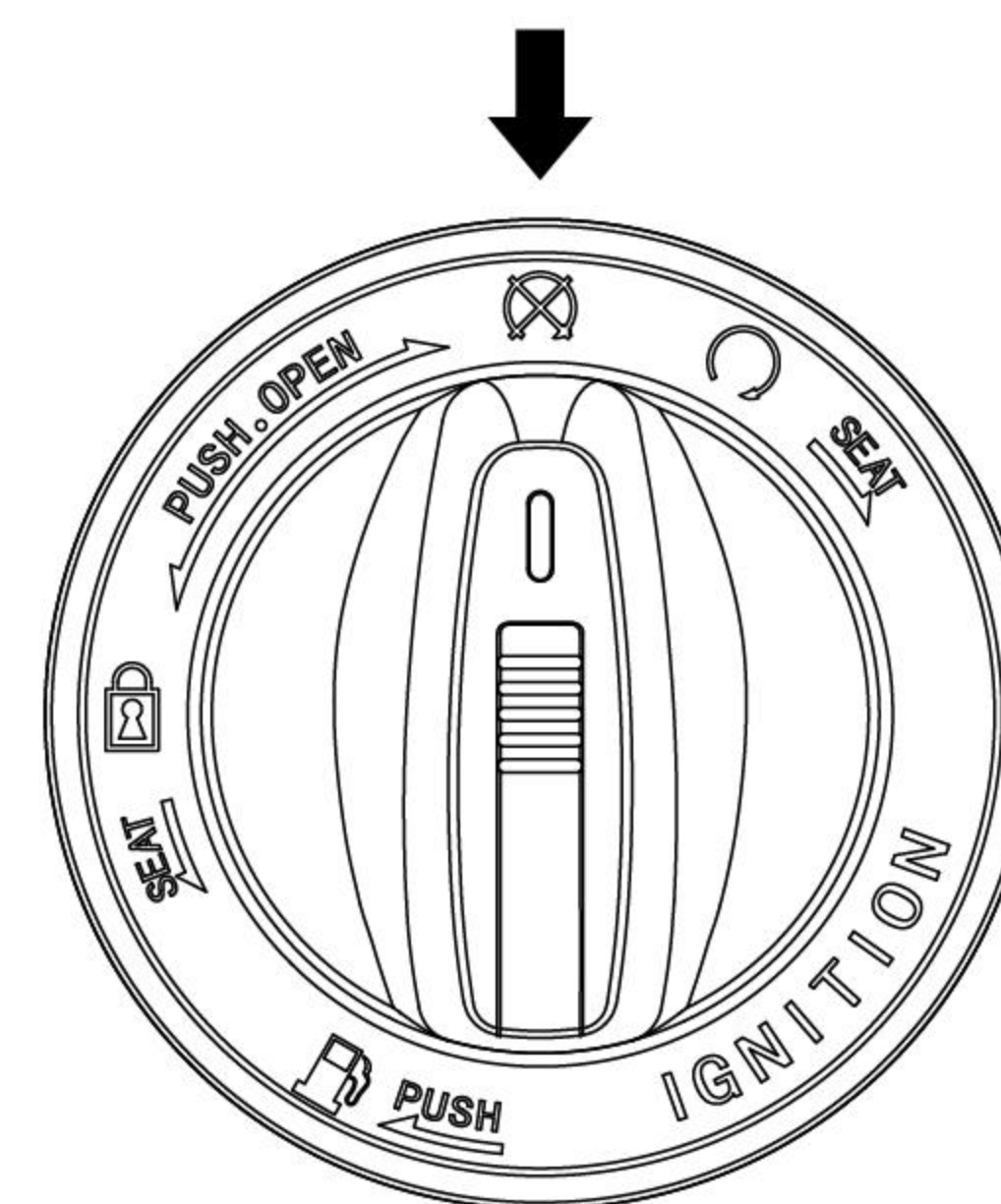
to the vehicles behind or on the side, and stop slowly.

- Return the throttle grip to its original position, and brake early to decelerate. At this time, the rear brake light will be on to warn the vehicles coming from behind.

When the vehicle stops completely

Return the turn signal switch to  position, move the ignition switch to the position, and the vehicle will automatically lock after 5 seconds.

Do not turn off the ignition switch while driving. The electrical system will stop working, which is the cause of accidents. It must be operated after parking.

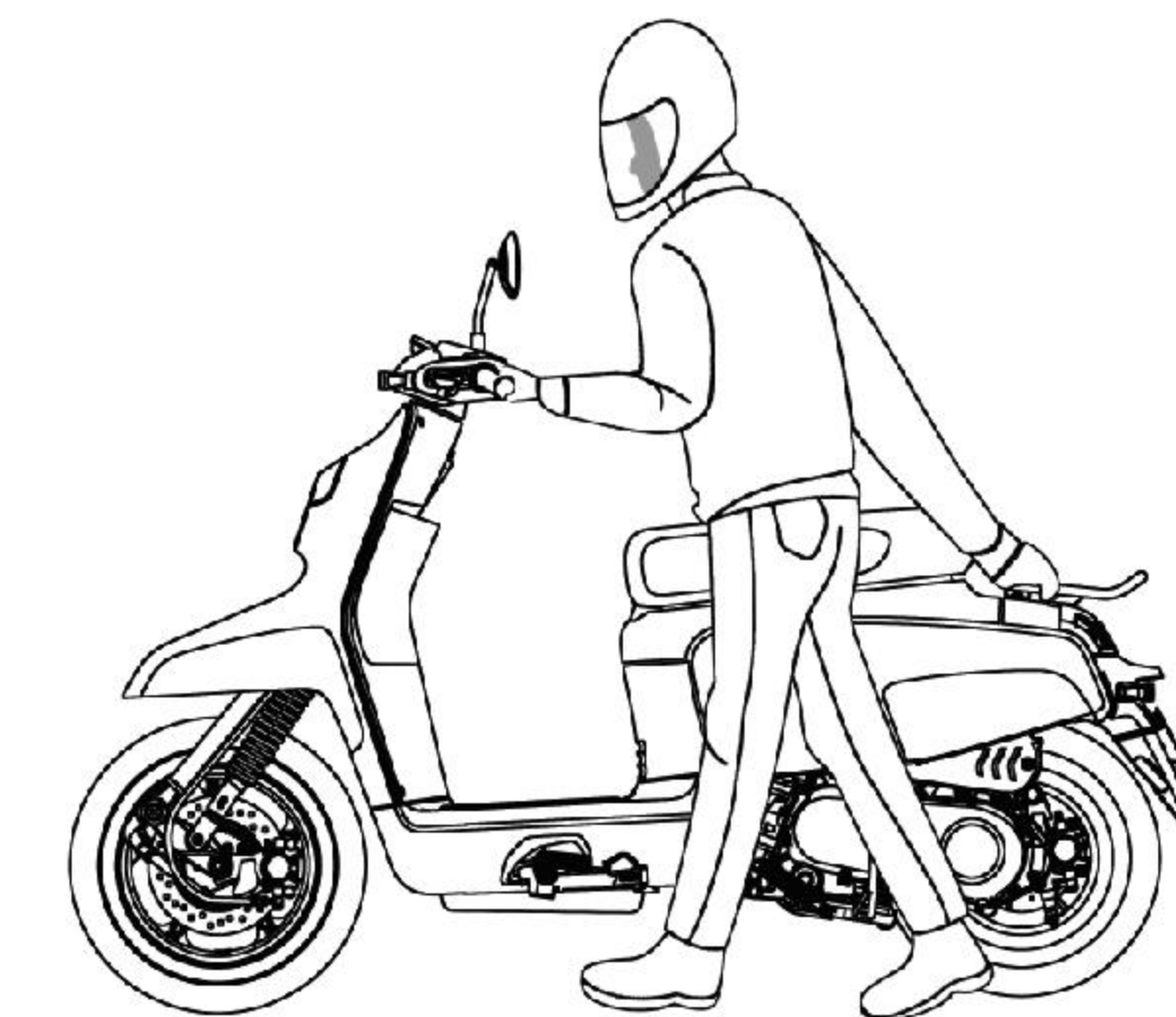


Parking

Stand on the left side and on a flat place, and prop up the main stand or side stand.

① Prop up the main bracket or side bracket in a flat place that does not hinder traffic. Vehicles may easily fall over in uneven places.

② How to support the main stand: Hold the direction handle with your left hand, pull the rear carrier with your right hand, step on the main stand support rod with your right foot, and pull forward and upward with your right hand.



To prevent theft, when parking, please turn the steering handle to the full left, press the ignition switch knob to position, lock the handlebar direction, and be sure to take the smart key with you.

Before riding

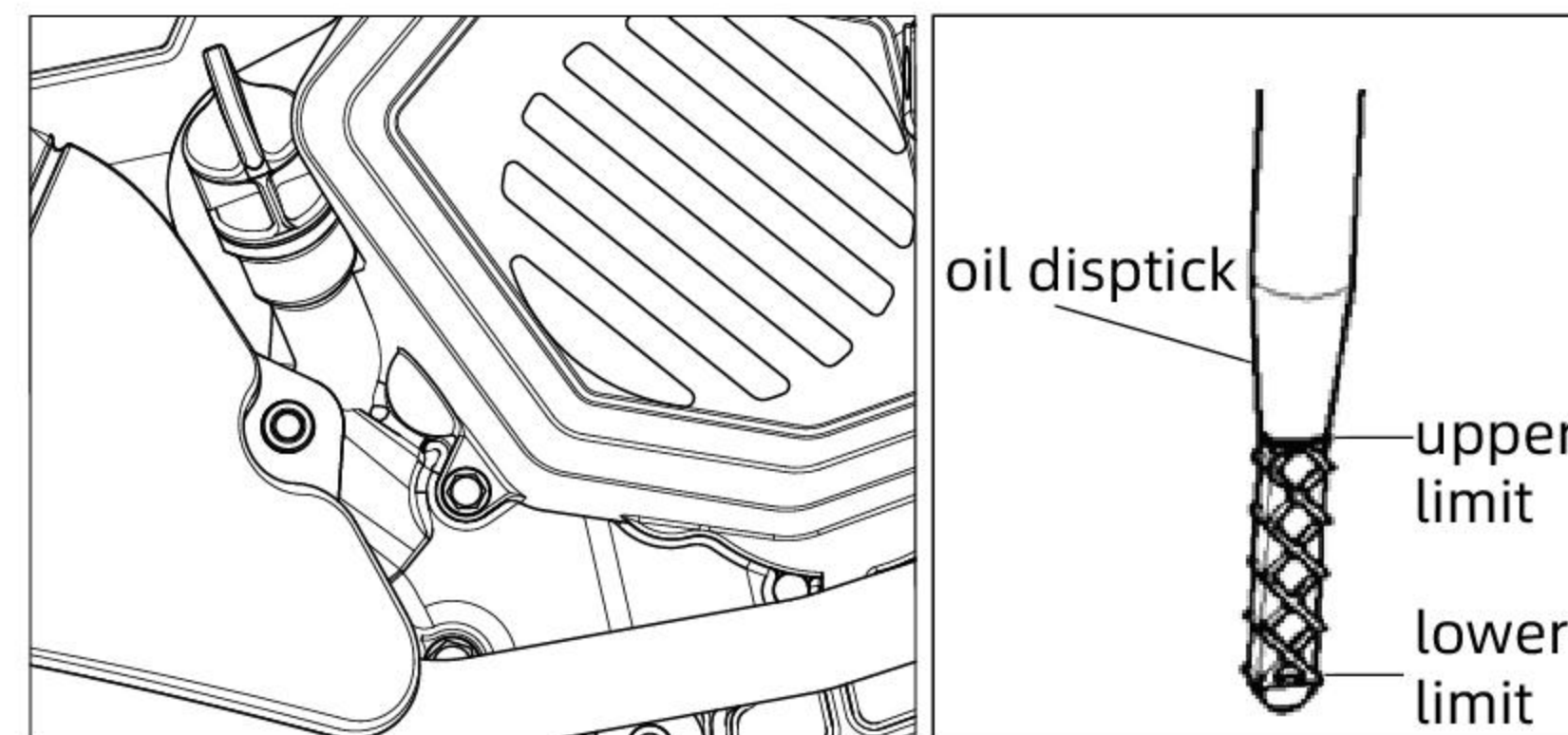
1. Form a good habit of inspecting daily before riding.
2. For safety and avoiding any breakdown or any accidents, before riding inspection is necessary.
3. If there is any abnormality, please visit the dealer or authorized service station for maintenance.

Daily inspection and operation (19 items)

(No.1) Engine oil inspection and replenishment

(Implemented 10 minutes after the engine is cold or warmed up)

- ① Stand up the main stand, take out the oil dipstick and wipe it clean.



- ② The oil dipstick is inserted directly into the hole (do not screw in)

- ③ Take out the oil dipstick and check the oil level. When the oil level is close to the lower limit of the dipstick, please add oil up to the upper limit.

Recommended engine oil:

SAE: 10W-40 API:SL higher quality grade engine oil

Note: Engine oils of different brands and grades cannot be mixed. Please use designated oil.

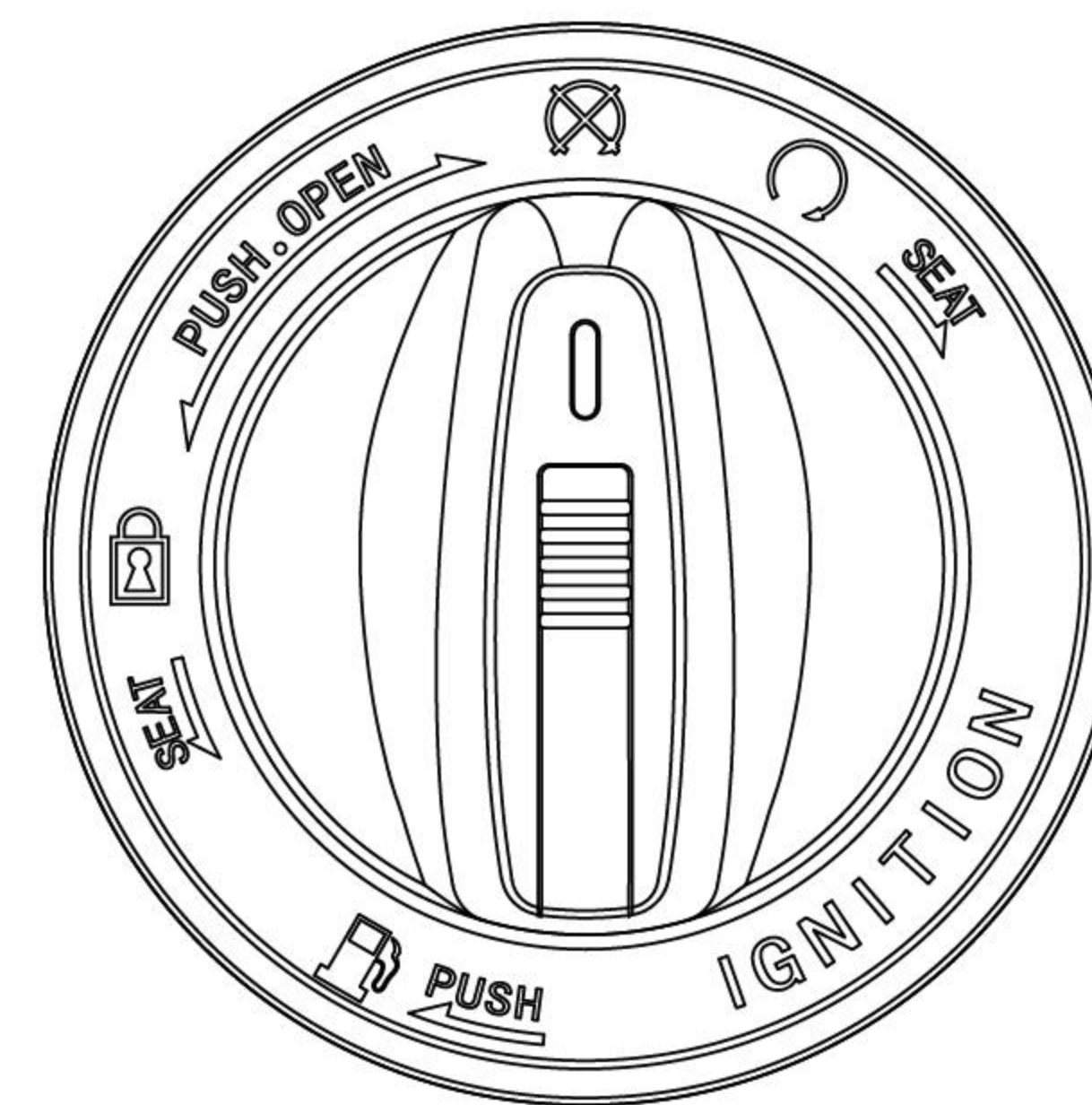


(No.2) Gasoline inspection and confirmation

When the fuel level pointer of the instrument is in the red zone, please replenish 92# or above unleaded gasoline as soon as possible.

How to use the fuel tank cap:

- ① Turn off the engine
- ② Press the ignition switch knob and turn it clockwise to open the fuel tank lock cap.



- ③ Turn the fuel tank cap counterclockwise to open.
- ④ When closing, just lock the fuel tank cap clockwise and then close the fuel tank cap.



When replenishing, the fuel level must not exceed the reference plate in the fuel tank hole, otherwise the gasoline will easily seep out.



Do not add other additives when refueling to avoid engine failure. ◀



The engine must be turned off when refueling, and fireworks are strictly prohibited.



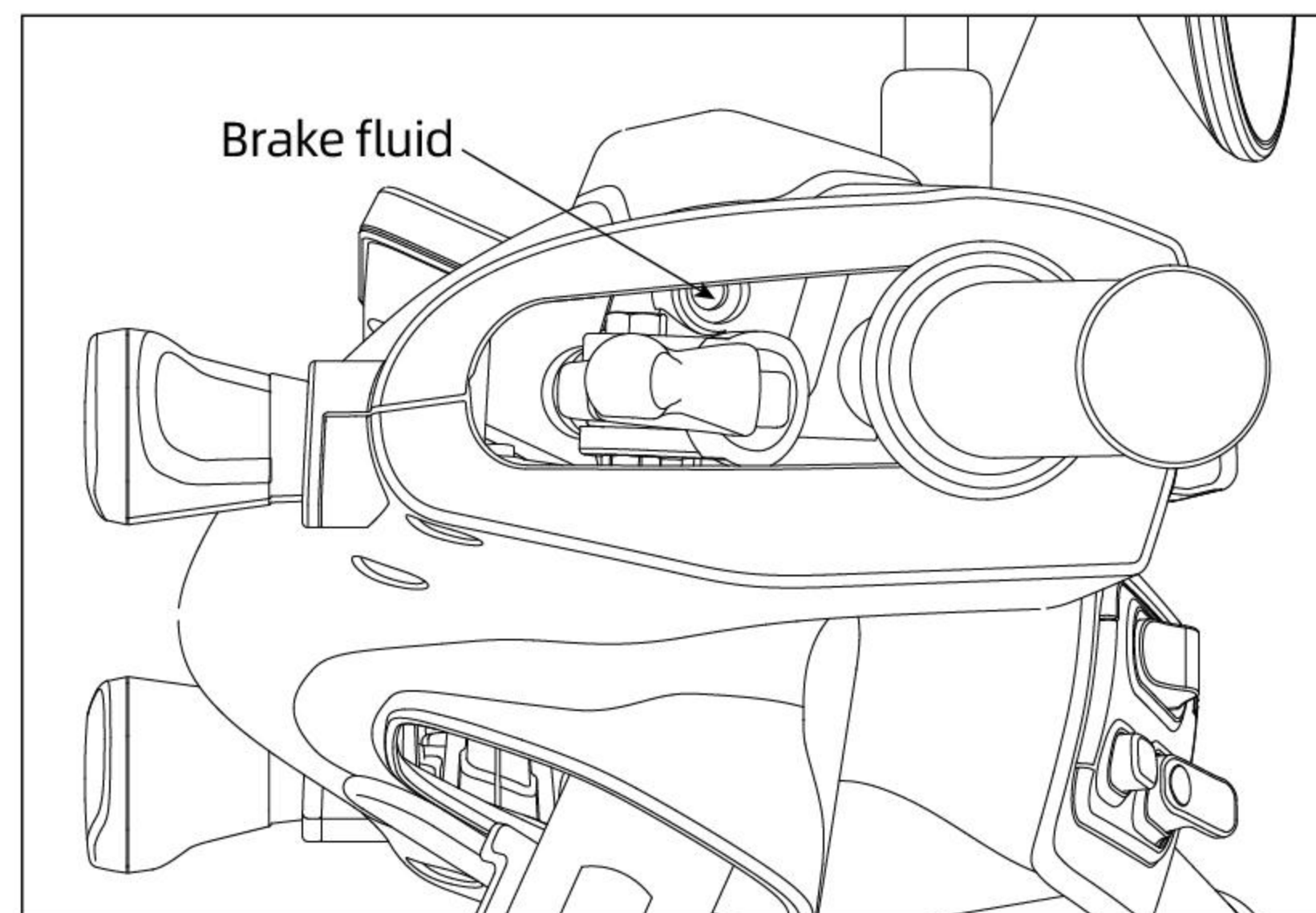
This model adopts a fuel evaporation emission control system. It is prohibited to overfill the fuel to avoid fuel supply failure and damage to the activated carbon canister. ◀

(No.3) Steering rod inspection

- ① Check whether the swing direction handles are loose, up, down, forward, backward, left, or right, or are too tight or inflexible when rotating.
- ② If you find any abnormality, please go to the dealer or authorized service station for inspection.

(No.4) Brake fluid inspection and replenishment Brake fluid level check

- ① Straighten the handlebar and check the brake fluid level in the disc brake upper pump reservoir. The brake fluid level must be maintained within the upper and lower edges of the glass observation window.



(The picture indicates the brake fluid level observation window)

②When the fluid level drops to close to the lower edge, first check the brake disc/pad for wear.

③When the brake disc/pad wear does not exceed the specified limit, the fluid level drops abnormally, which usually indicates oil leakage. Please contact a motorcycle authorized service station or dealer for inspection.

Brake fluid refill

①Remove the steering handle top cover.

②First, straighten the handlebar, then remove the 2 fixing screws on the oil tank and remove the oil pump cover.

③Take brake fluid DOT-4, pour it into the oil storage tank until it is close to the upper limit, and then tighten the top cover screws; when replenishing a small amount, do not add brake fluid of different grades. When replenishing a large amount, replace all of it.

④Brake fluid is very corrosive. When disassembling and assembling, please wrap the rag around the oil filling port to prevent the brake fluid from overflowing and damaging the parts. After disassembly and assembly, wipe it clean.

(No.5) ABS system(Anti-lock braking system)

1.ABS indicator light (see the LCD instrument chapter for details)

2.ABS system description

①When encountering road conditions and requiring emergency braking, the ABS system is designed to help prevent the tires from locking during emergency braking, allowing the driver to turn smoothly. The ABS system will automatically control the braking force to reduce tire slippage.

②The ABS system will not shorten the braking distance. If the vehicle is driven on a soft, uneven or downhill road, the braking distance will be even longer than that

of a vehicle without an ABS system. Therefore, models with an ABS system can maximize their functions when driving on a flat road.

③The ABS system is equipped with ABS、ECU and front and rear wheel speed sensors. If you use tires that do not meet the manufacturer's requirements, it may affect the wheel speed sensor judgment and cause the ABS system to operate abnormally.

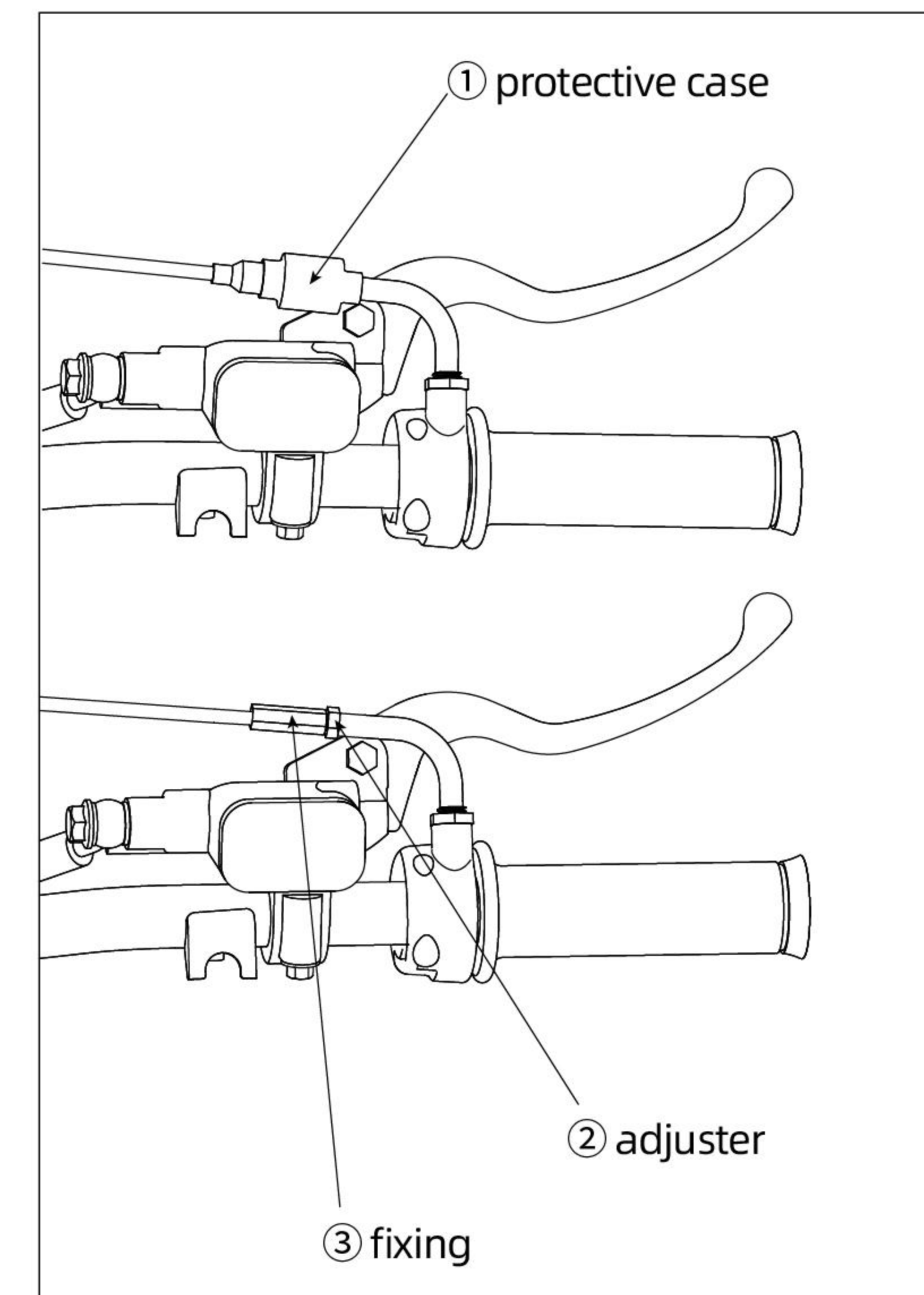


Warning: Using tires that do not meet the manufacturer's specifications may cause the ABS system to fail to operate properly, and may even cause the driver to have an accident due to the ABS anti-lock braking system not working properly. Therefore, please be sure to use tires specified by the manufacture.

(No.6) Throttle body operation

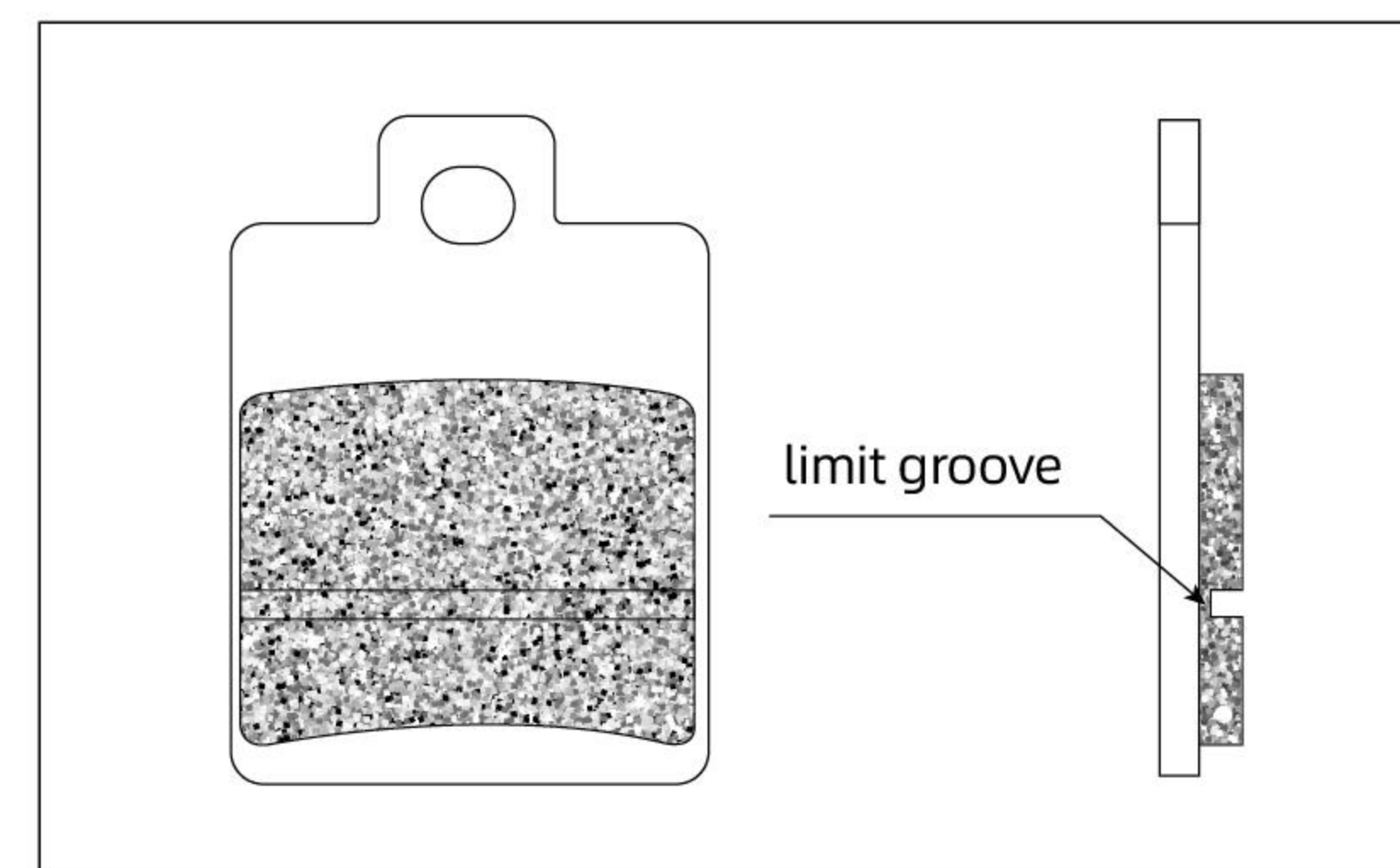
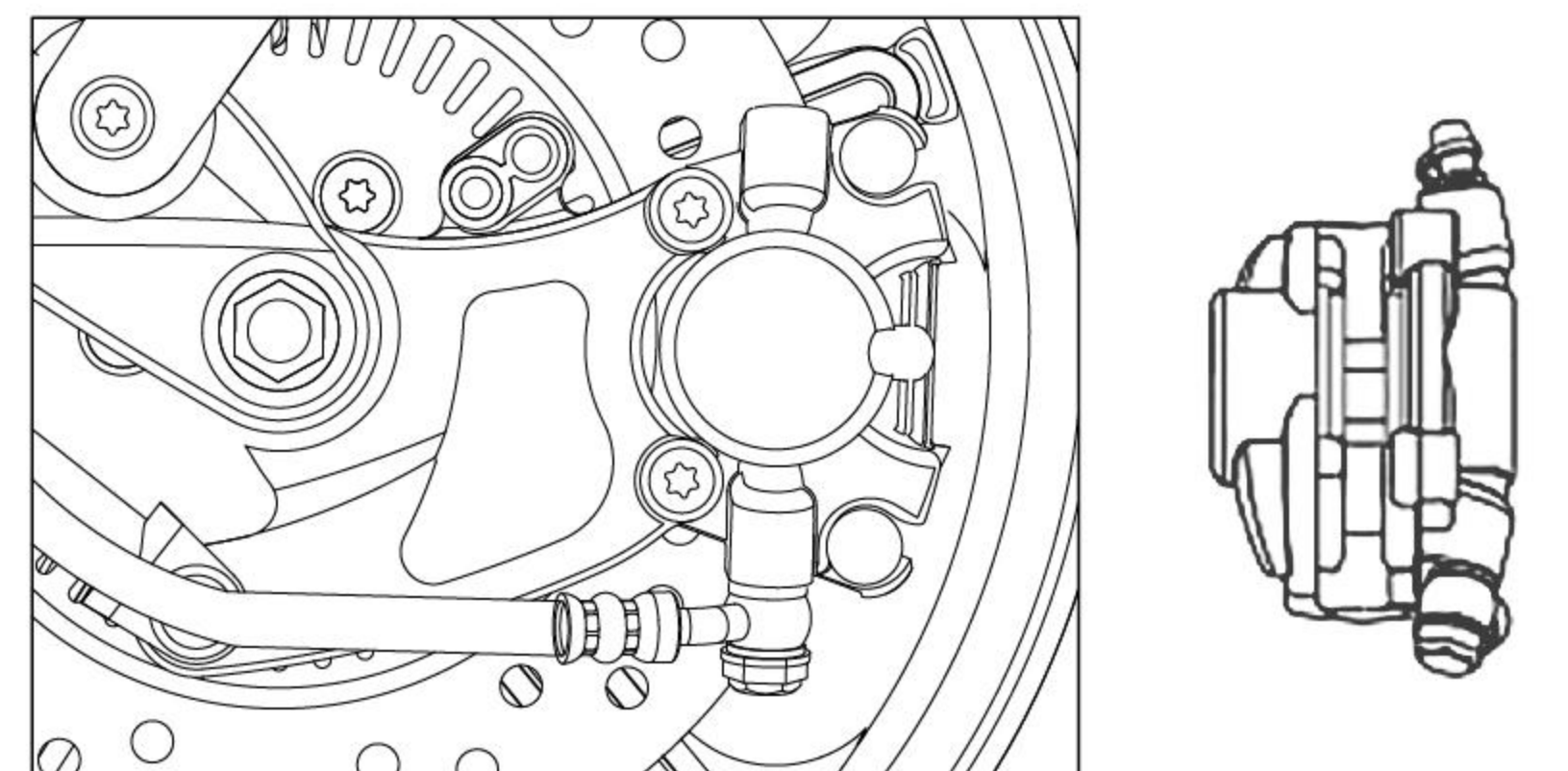
- 1.Check the throttle body (throttle) operating handle. When the steering handle is turned from the center to the left or right end position, whether it is smooth and smooth from the fully open position to the fully closed position without any jamming;
- 2.Measure the clearance of the handle: the standard clearance is about 2~6mm;
- 3.Method for adjusting clearance: open the protective

case ①, loosen the fixing nut ③, then turn the adjuster ②, and check the clearance at the same time. When it meets the standard, tighten the fixing nut ③.



(No.7) Brake pad/brake shoe inspection

1. Check brake pads for wear;
2. If the brake pads are worn to the limit groove, replace the brake pads;

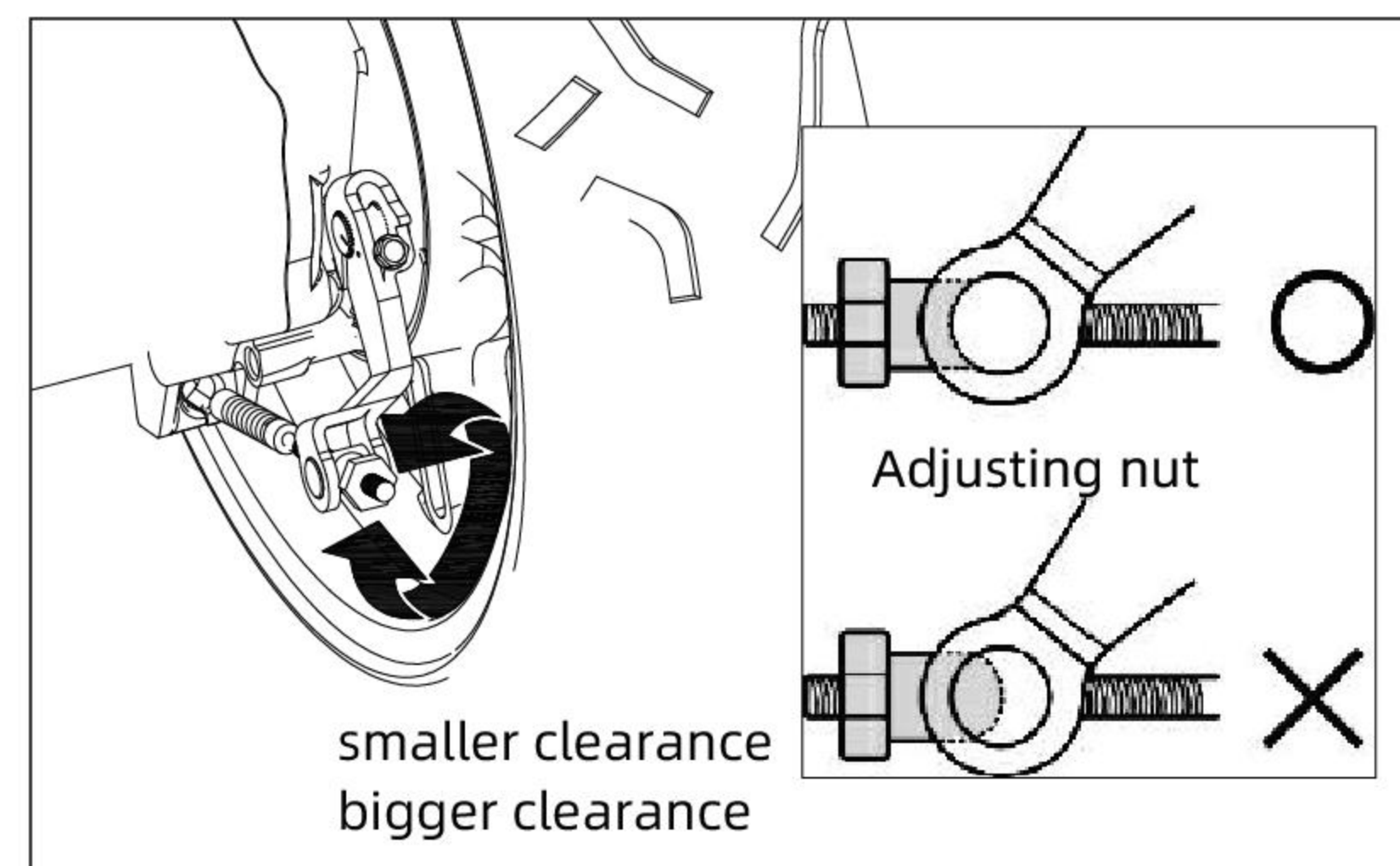


The brake pads are required to be flat. If they are deformed, please go to the dealer or service station to replace the brake pads. ◀

Brake rod clearance adjustment check

(drum brake type)

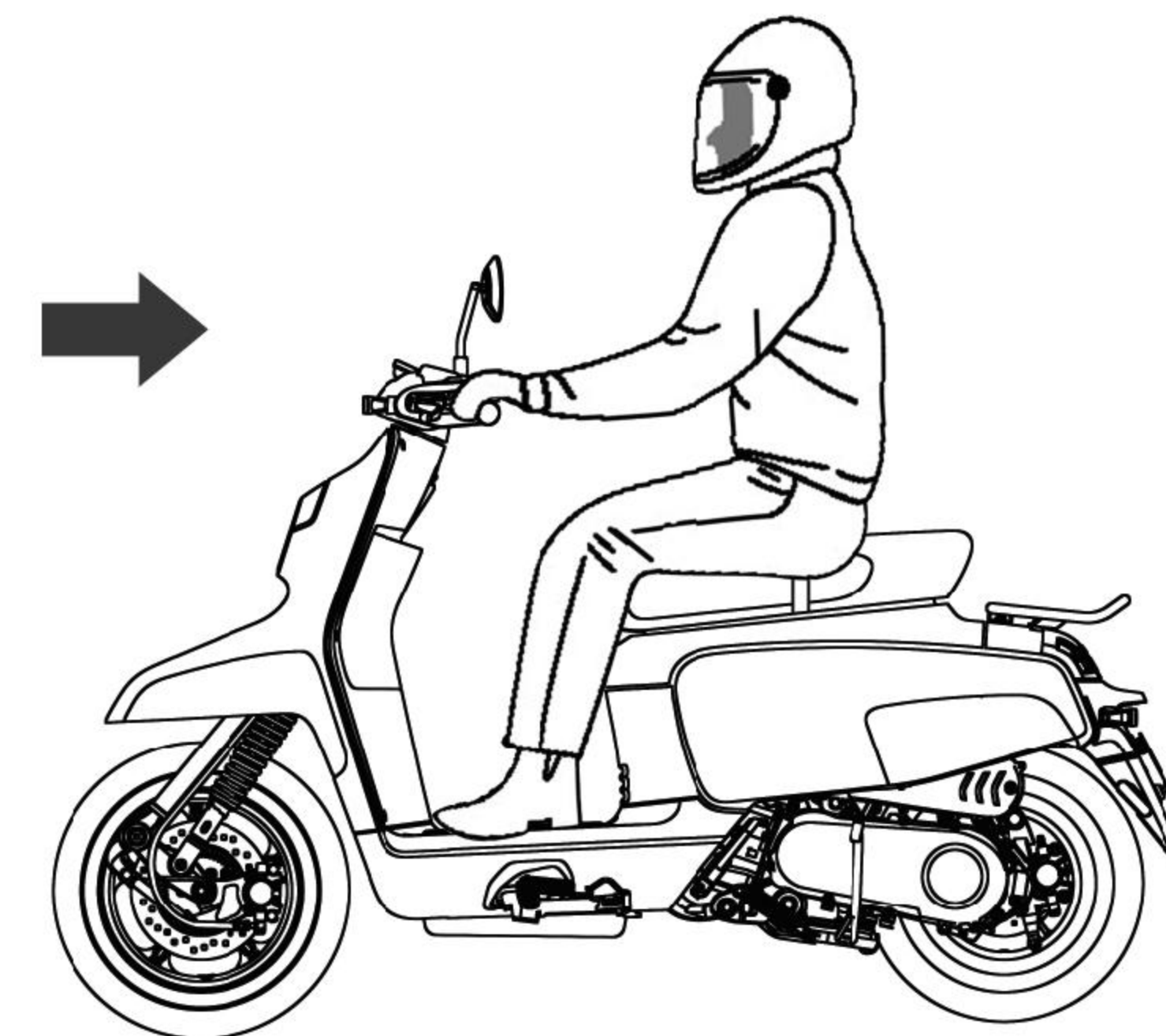
Use the brake adjusting nut to adjust the clearance. Turn the adjusting nut to adjust. When adjusting the rear brake lever to a tight position, check whether the clearance of the lever is within the specified size range. (1-2 cm)



(No.8) Brake pad/brake shoe inspection

1. Turn the ignition switch to the " Ⓞ " position.
2. Pull the front and rear brake levers respectively to confirm whether the brake lights are on.
3. Check whether the brake light housing is dirty or damaged

(No.9) Are the brakes working well?



Drive a little to confirm the feel and effect of the front and rear brakes. For new vehicles or vehicles with newly replaced rear brake shoes, the new shoes will wear faster. Please adjust the rear "drum brake adjustment nut" in time to ensure reliable braking and prevent accidents.

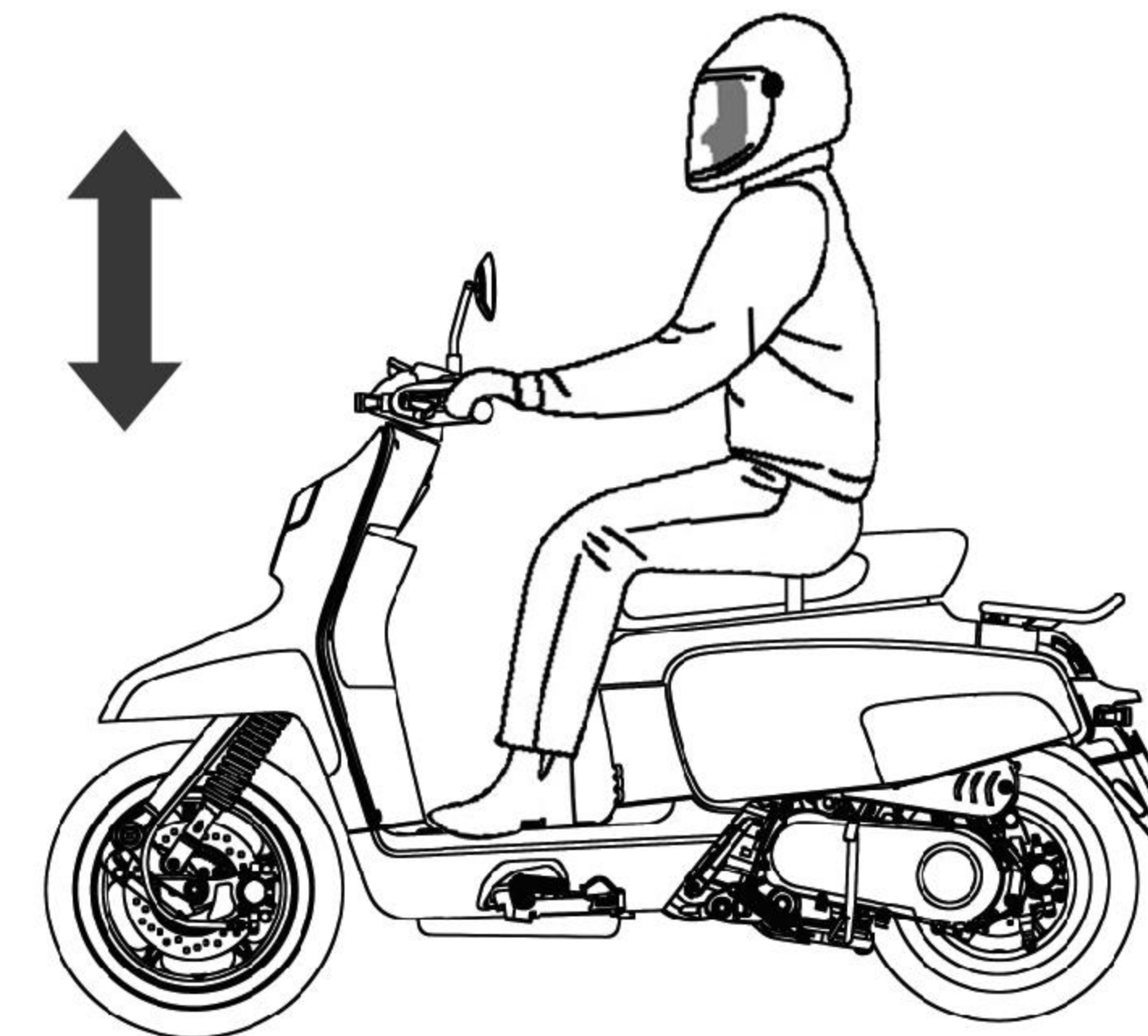
(No.10) Turn signal check

1. Turn the ignition switch to Ⓞ position.
2. Operate the turn signal switch to check whether the

front and rear turn signals and the turn indicator lights are flashing.
3. Check whether the turn signal housing is dirty or damaged.

(No.11) Front、rear suspension inspection

Add weight to the handlebars or seat, and do intermittent downward pressing to check whether the front and rear buffers are in good condition.



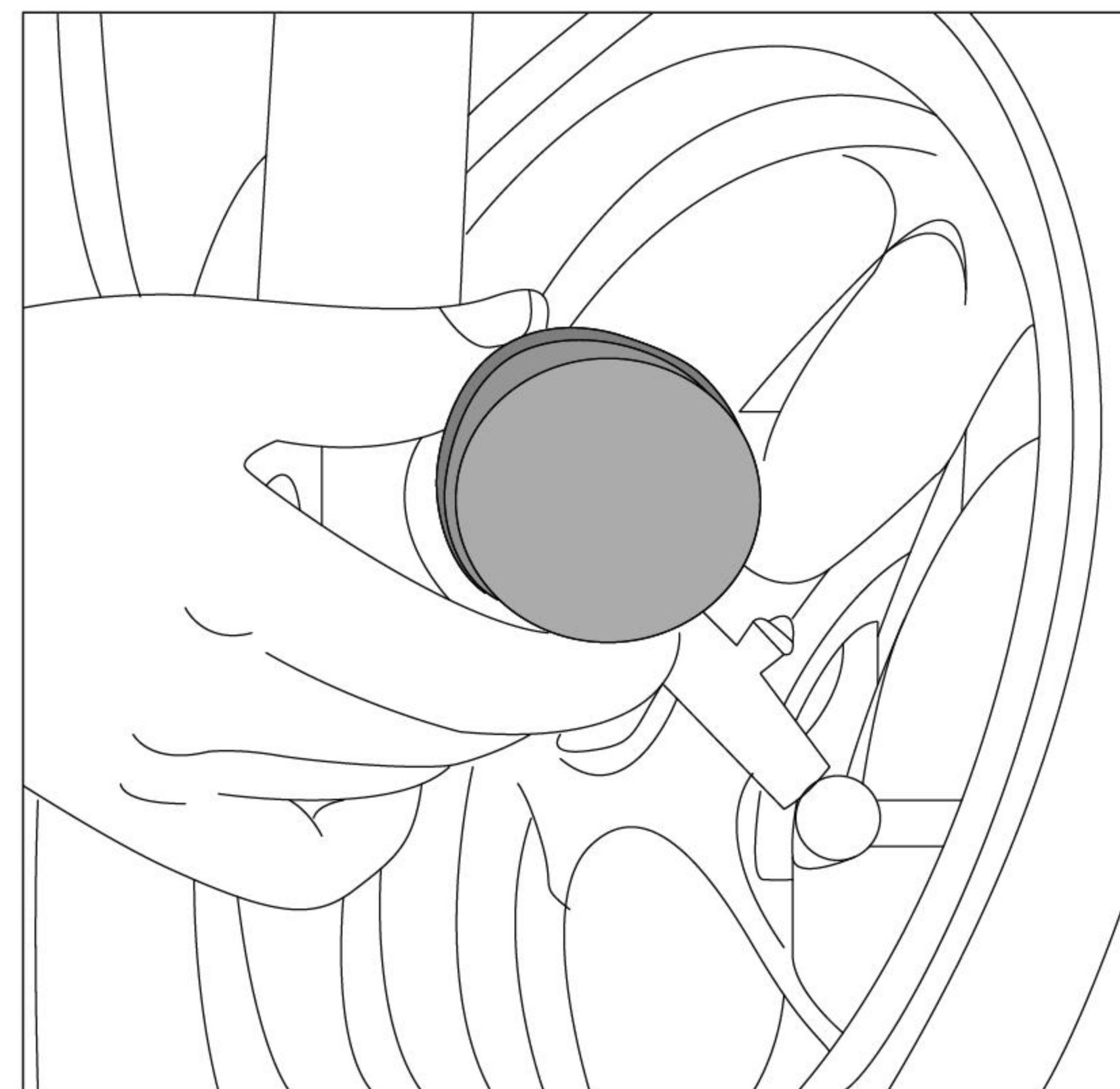
(No.12) Tire inspection

1. Check the contact status between the tire and the ground and whether the tire pressure is normal; If

there is any abnormality when the tire contacts the ground, use a tire pressure gauge to check whether the tire pressure is normal.

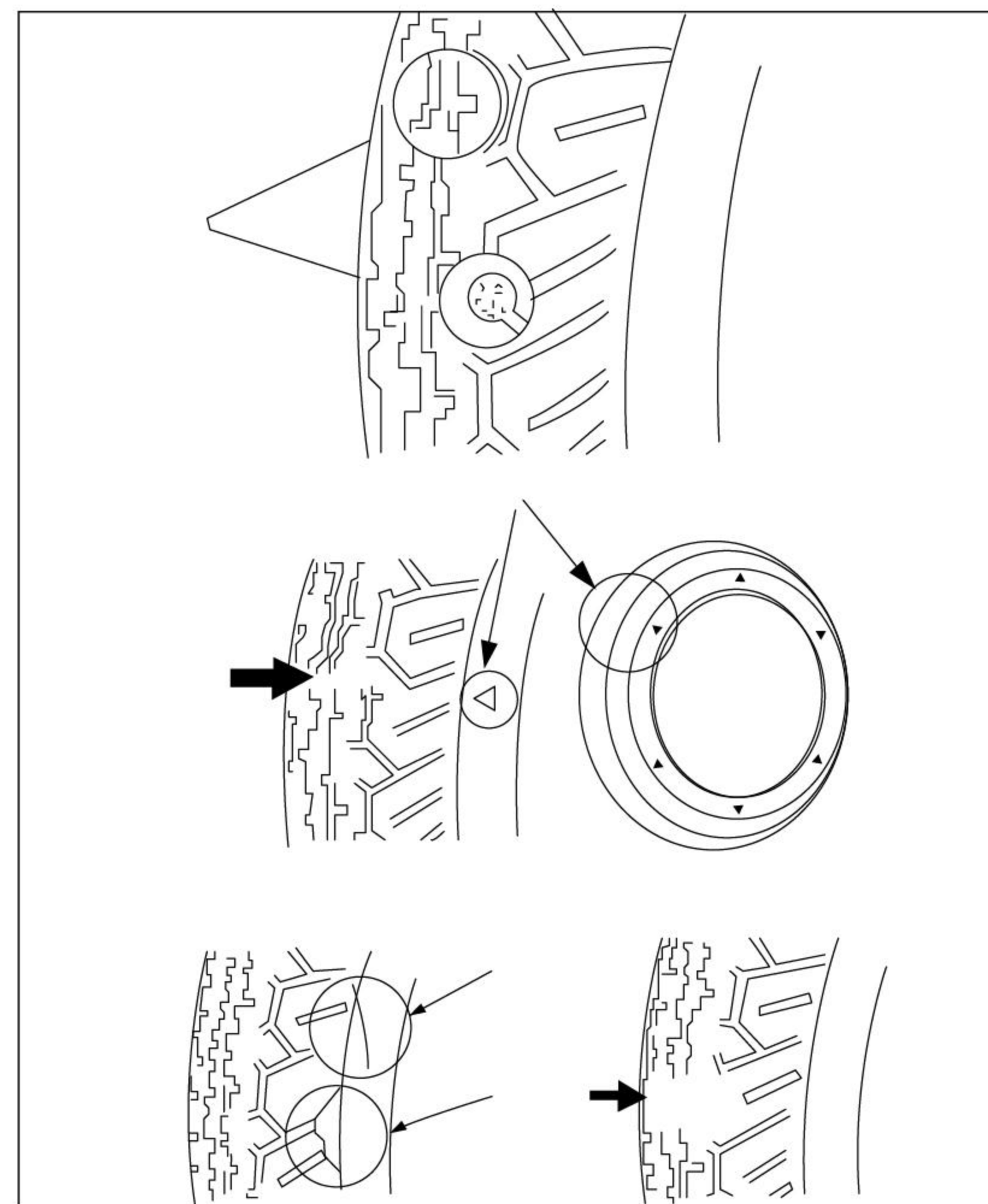
Measuring tire pressure when the motorcycle is cold

	1person riding		2person riding
F	1.85kgf/cm ²	F	2.0kgf/cm ²
R	2.0kgf/cm ²	R	2.25kgf/cm ²



2.Check if there are any metal fragments, gravel, etc. stuck in the tire groove. If so, remove them before driving.

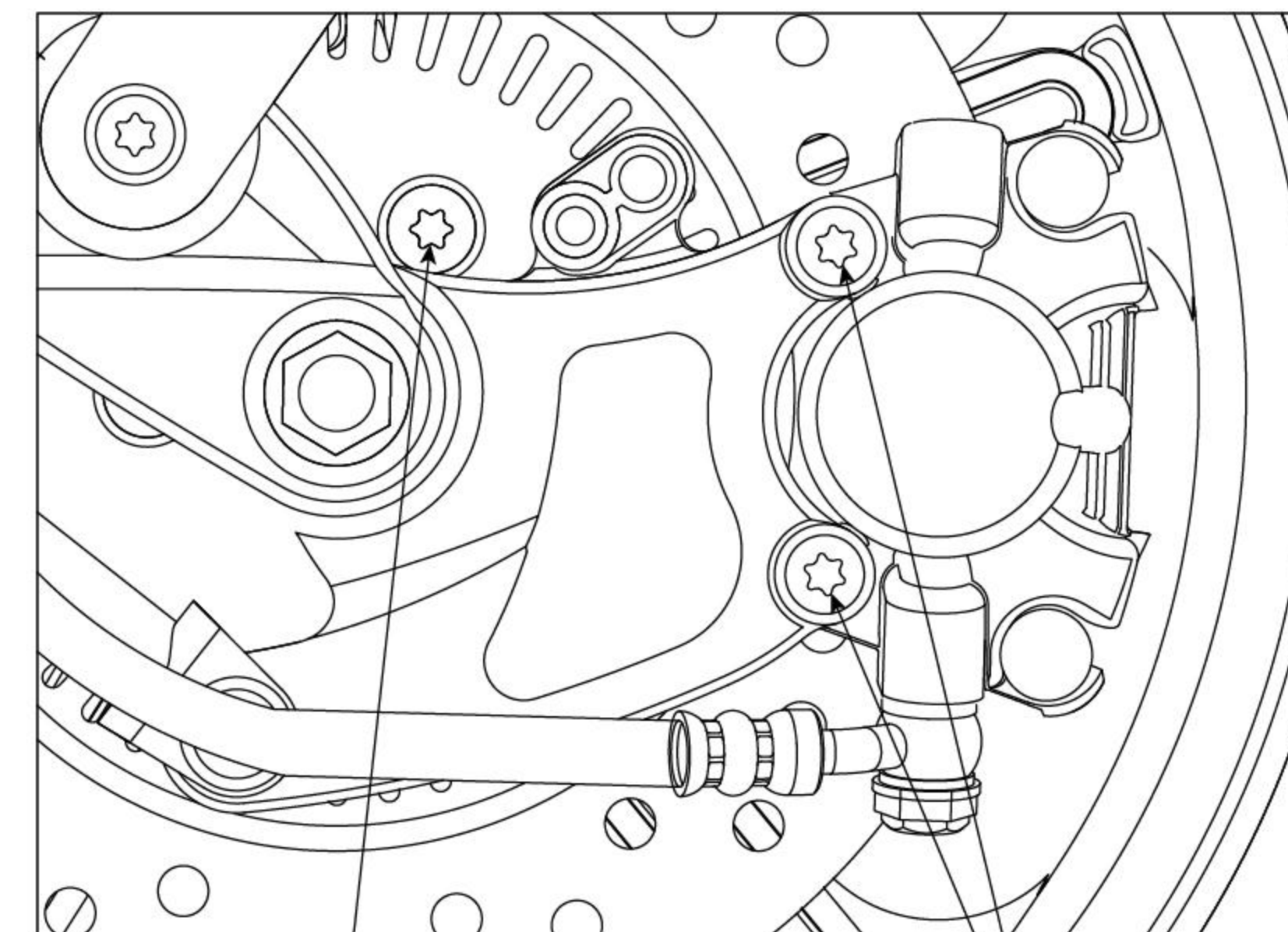
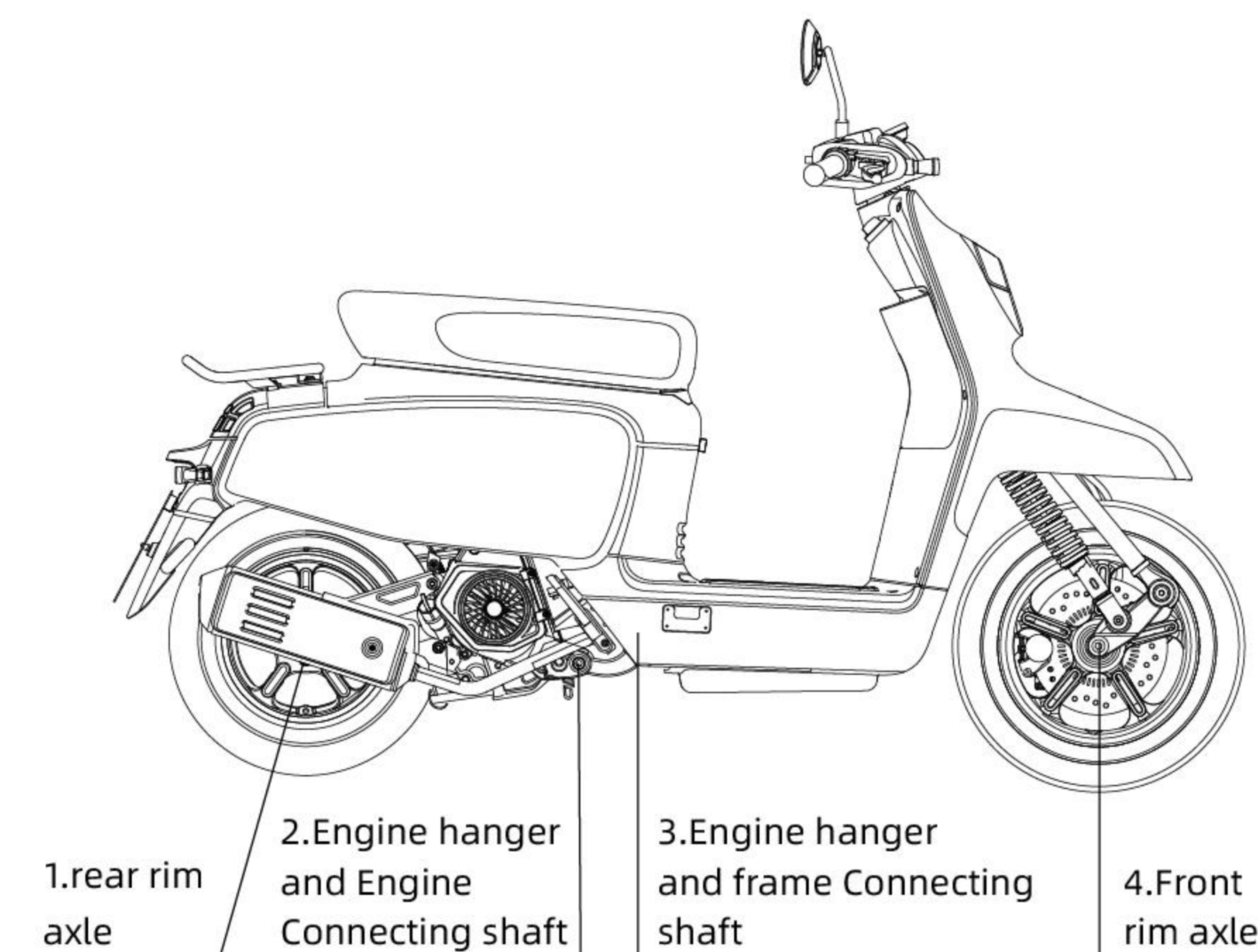
3.When the tire cracks or the groove wear exceeds the limit, please replace it with a new tire immediately. (Please refer to the pointed indication on the figure)



(No.13) Is the speedometer display normal?

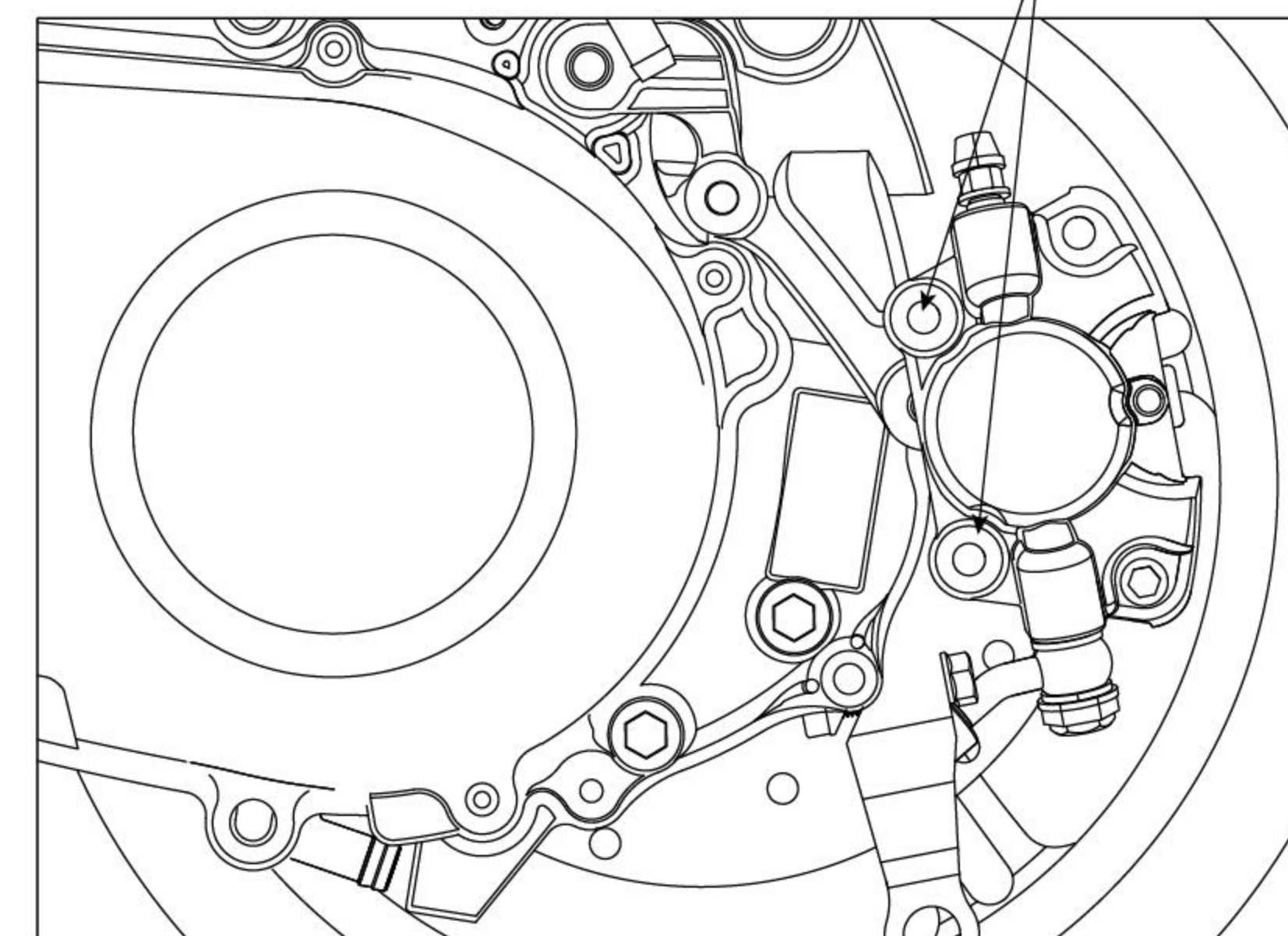
(No.14) Inspection of important bolts of vehicle body.

- 1.Is the rear wheel tight?
- 2.Are the engine hanger and power station tight?
- 3.Are the engine hangers and frame tight?
- 4.Is the front axle tight?
- 5.Is the disc brake pump installed and tightened?
- 6.Is the brake disc in place and secure?



Disc brake fastening bolt

Disc brake pump fastening bolt



(No.15) Will the horn sound?

Turn the ignition switch to the  position and press the horn button.

(No.16) Is the rearview mirror angle appropriate?

Sit on the seat to confirm the rear position and check for damage or dirt.

(No.17) Is the rear license plate defaced?

Check if the license plate is damaged or loose?

(No.18) muffler is normal?

Is the exhaust pipe loose or noisy?

(No.19) Do other abnormal phenomena in the past still exist now?

- 1.In order to ensure your motorcycle 's safety and comfort, please make sure to perform regular inspections and maintenance.
 - 2.Please refer to the "Regular Maintenance List" for the inspection time and inspection items.
- When the motorcycle is not used for a long time, regular inspections are also required.

Vehicle maintenance and repair

Initial inspection and maintenance

A new vehicle must be inspected and maintained within one month of purchase or after 500 km of driving.

Oil exchange

〈Exchange period〉

1.The engine oil of a new vehicle should be changed after the first 500km of driving, and every 3000km thereafter.

2.oil capacity

Disassemble the engine body : 0.85L

Normally exchange : 0.75L

〈Exchange method〉

Remove the oil dipstick①, remove the oil drain screw② and the oil filter, and let all the oil flow out.

★You should not change the oil when the engine is hot, but you can change it after the engine is moderately warmed up, which will make the oil flow out more easily.

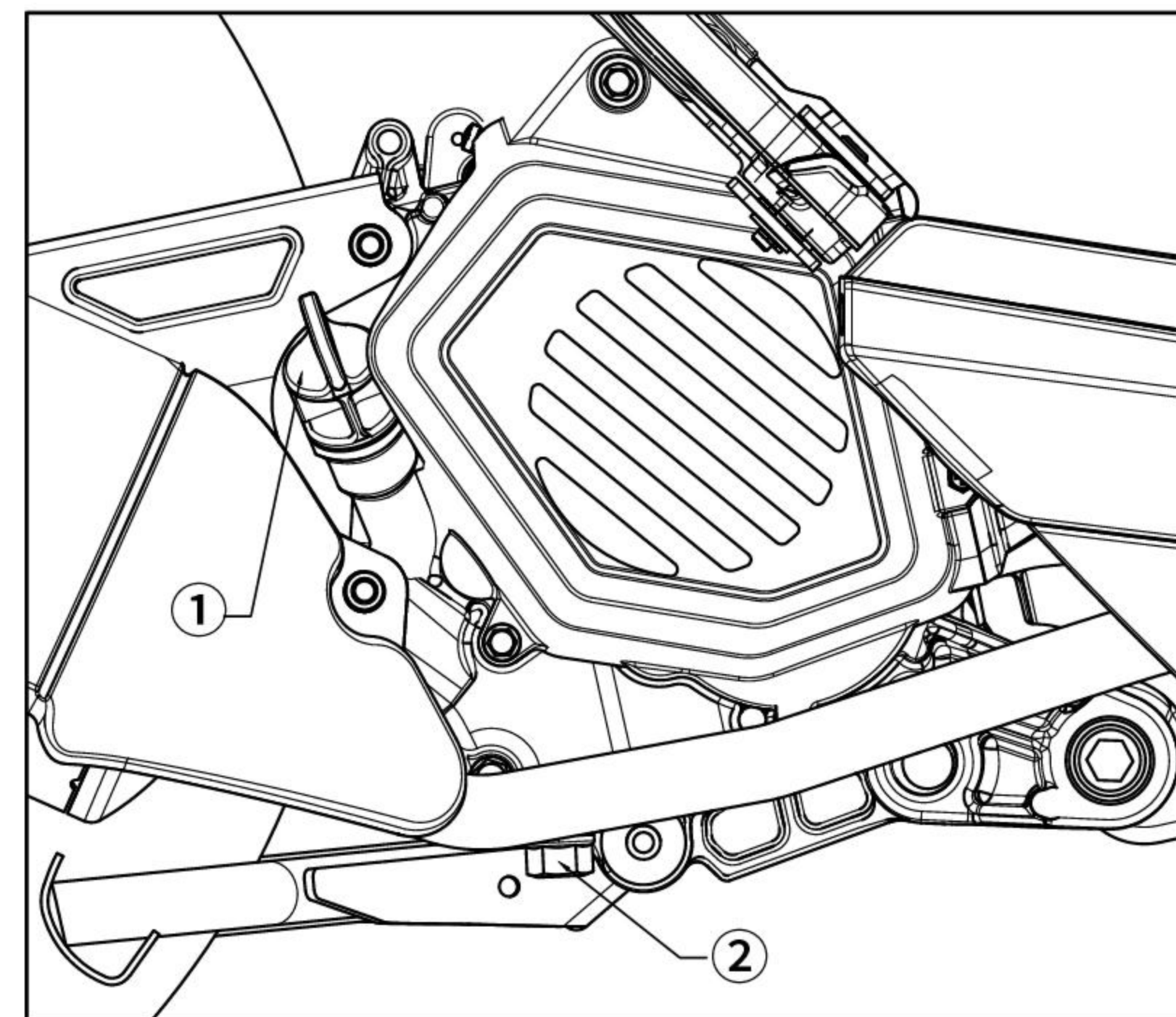
b.Clean the drain screw and oil filter and tighten them.

c. Add new engine oil according to the required capacity.

★Use the oil dipstick to confirm.

d.Confirm that the oil dipstick is tightened.

e.After the engine is warmed up, stop running for 10 to 20 seconds and check the oil level again.



Check the engine oil level every 1000km and fill up if it is insufficient.



Attention

a.Please use special oil for four-stroke engines.
Specification : SAE: 10W-40 API : SL

b.Under the following conditions, the engine oil will deteriorate more easily, so please replace it in advance.

*Often ride on gravel roads.

*Often drive short distances.

*Idle time is too long

*Use in cold regions

c.When refilling the engine oil, do not exceed the upper limit mark on the oil dipstick.

d.Be careful to avoid skin burns when changing the engine oil.

Notes on changing engine oil

- 1.Too much or too little oil will affect engine performance;
- 2.Too much: When the engine is running, the running resistance increases, the output horsepower is reduced, the oil temperature rises too quickly, and the engine oil deteriorates prematurely;
- 3.Too little: When the engine is running, the oil supply to the friction part is reduced, causing excessive friction, burning and other phenomena;
- 4.Do not mix oils of different brands and grades, or low-quality , as this may cause engine failure.
- 5.If you mix additives purchased on the market, the oil will deteriorate, affecting lubrication performance and shortening the service life of the engine;
- 6.Please use genuine oil. The manufacturer will not be

held responsible for any malfunctions caused by arbitrarily replacing or adding non-genuine oil.

Gear oil exchange

〈exchange period〉

1.1.For new vehicle , replace it at 500km, and then every 6000km depending on the road conditions;

2.recommended gear oil :

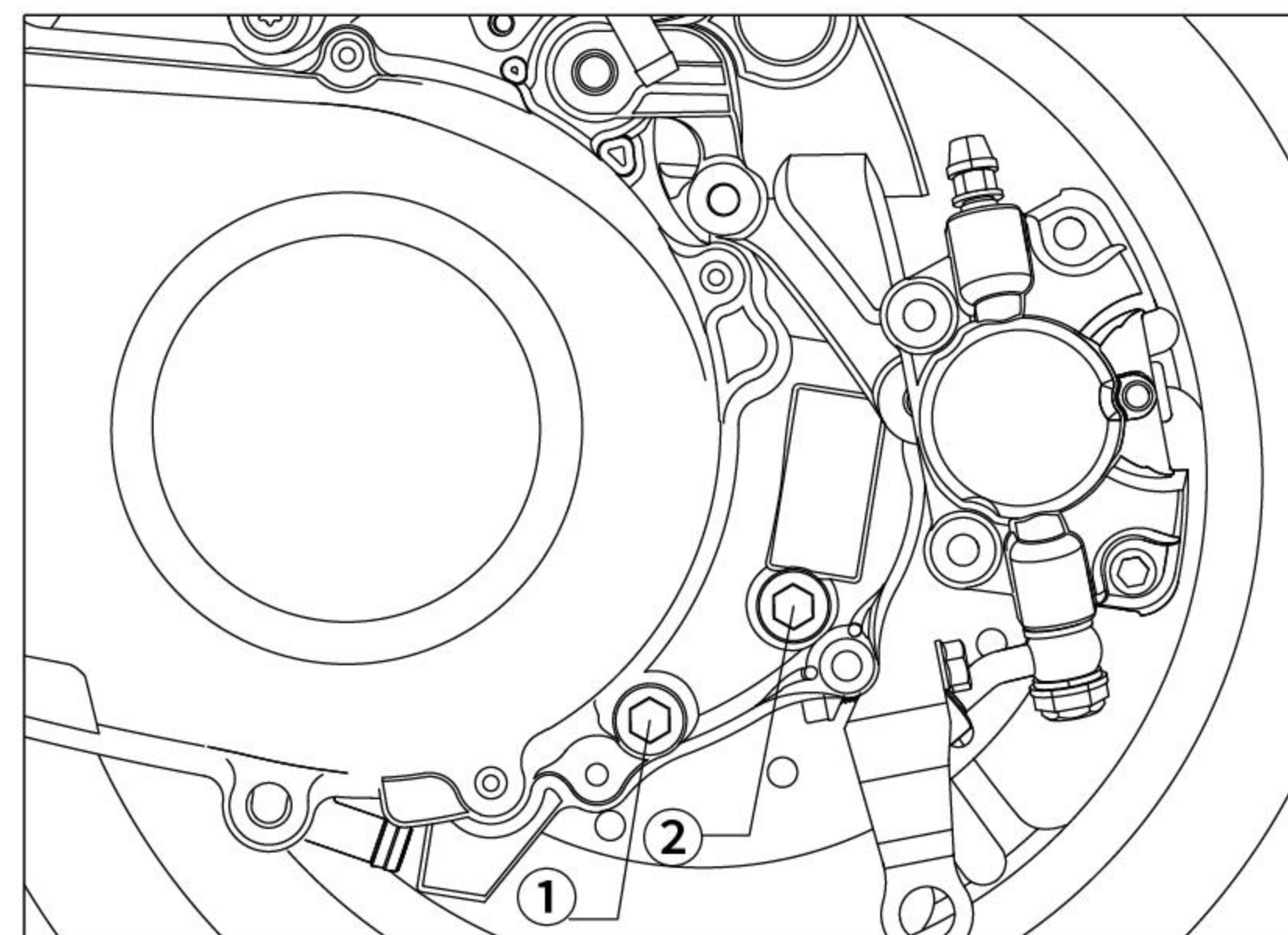
SAE 85W-90; API GL-4 ;

3.Gear oil capacity : (See the marking on the engine crankcase)

Total capacity:120ml

〈exchange method〉

1.Stand the vehicle on a flat surface;



2.Remove the oil drain bolt ① and the gear oil injection bolt ②;

3.When the engine is warm, the residual gear oil will flow out more easily.;

4.Wipe the oil drain bolt clean and tighten it;

5.Slowly inject the gear oil into the gear oil injection hole until it is parallel to the lower eye of the hole;

6.After the gear oil is injected, the bolts must be tightened to prevent oil leakage.



Please change the gear oil frequently if you often drive in the rain, for long periods of time, or under heavy loads.

Spark plug inspection

The spark plug electrode is dirty and the gap is too large, which will cause spark failure.

〈Removal method〉

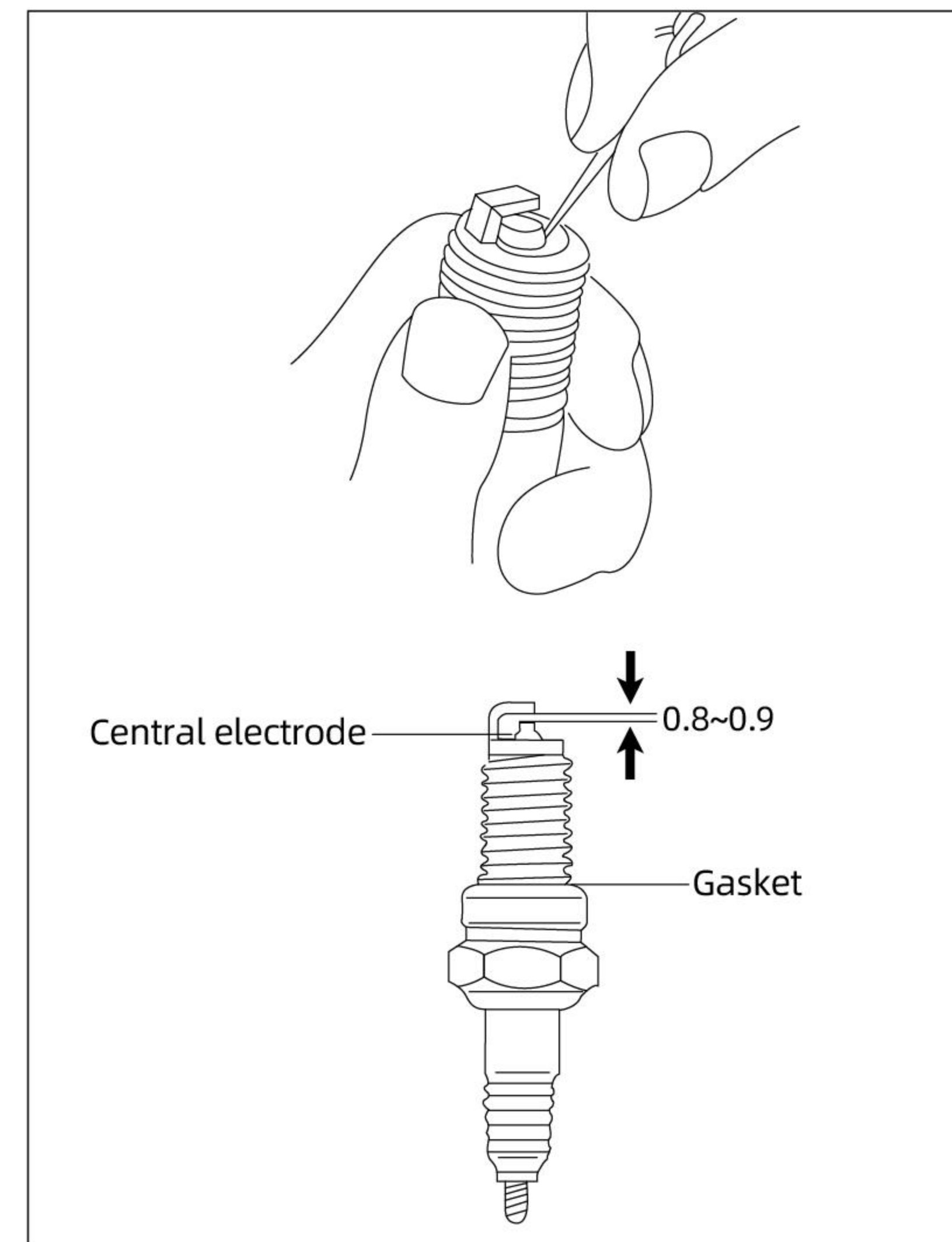
1.Use spark plug cleaner to remove the best;

2.If there is no cleaner, use a wire brush to clean

〈adjustment〉

1.The normal side electrode gap is 0.8~0.9mm (Specified spark plug)CPR8EA9, Do not use spark plugs other than those specified;

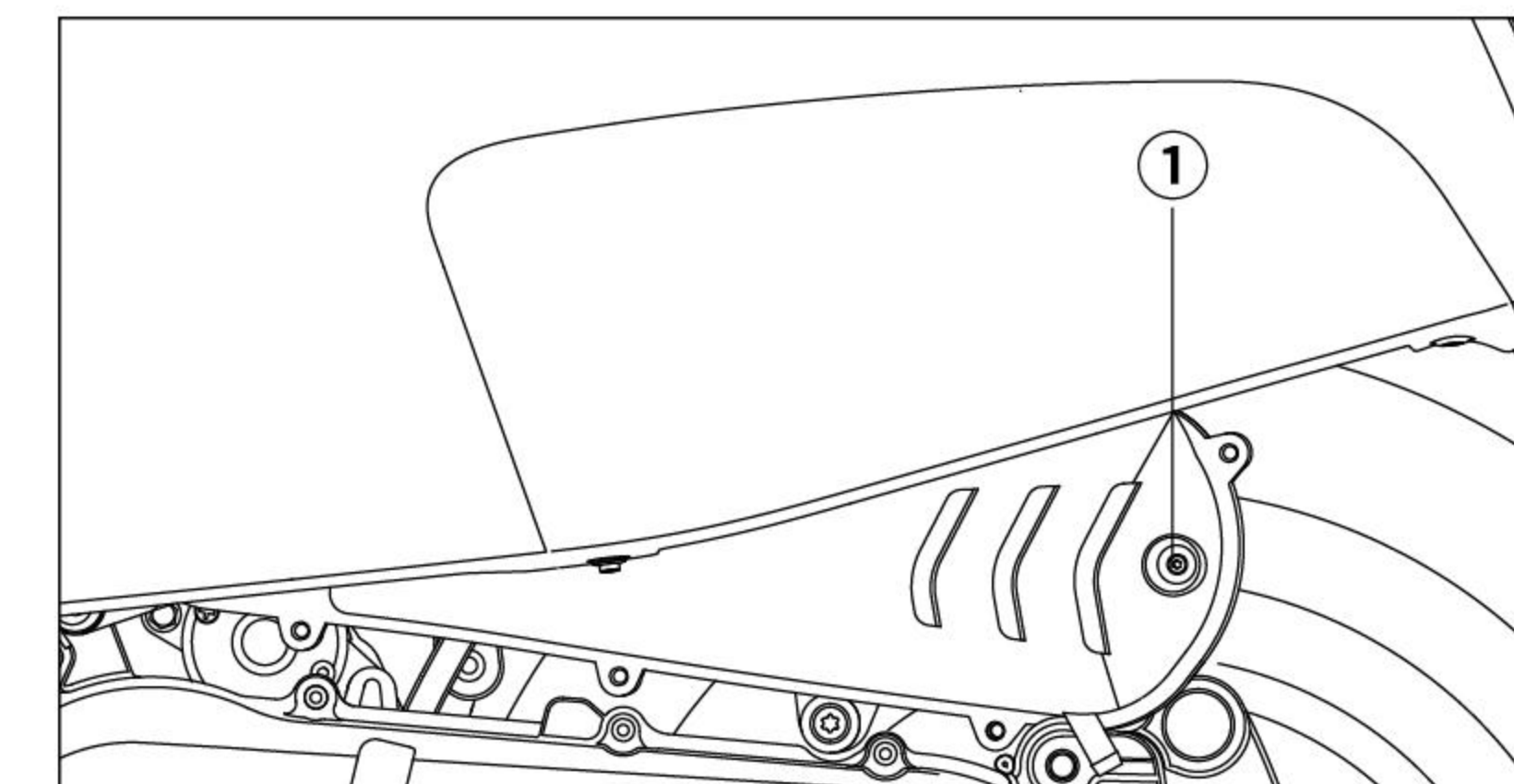
2.Please replace the spark plug with a high calorific value when driving at high speed or with heavy load.



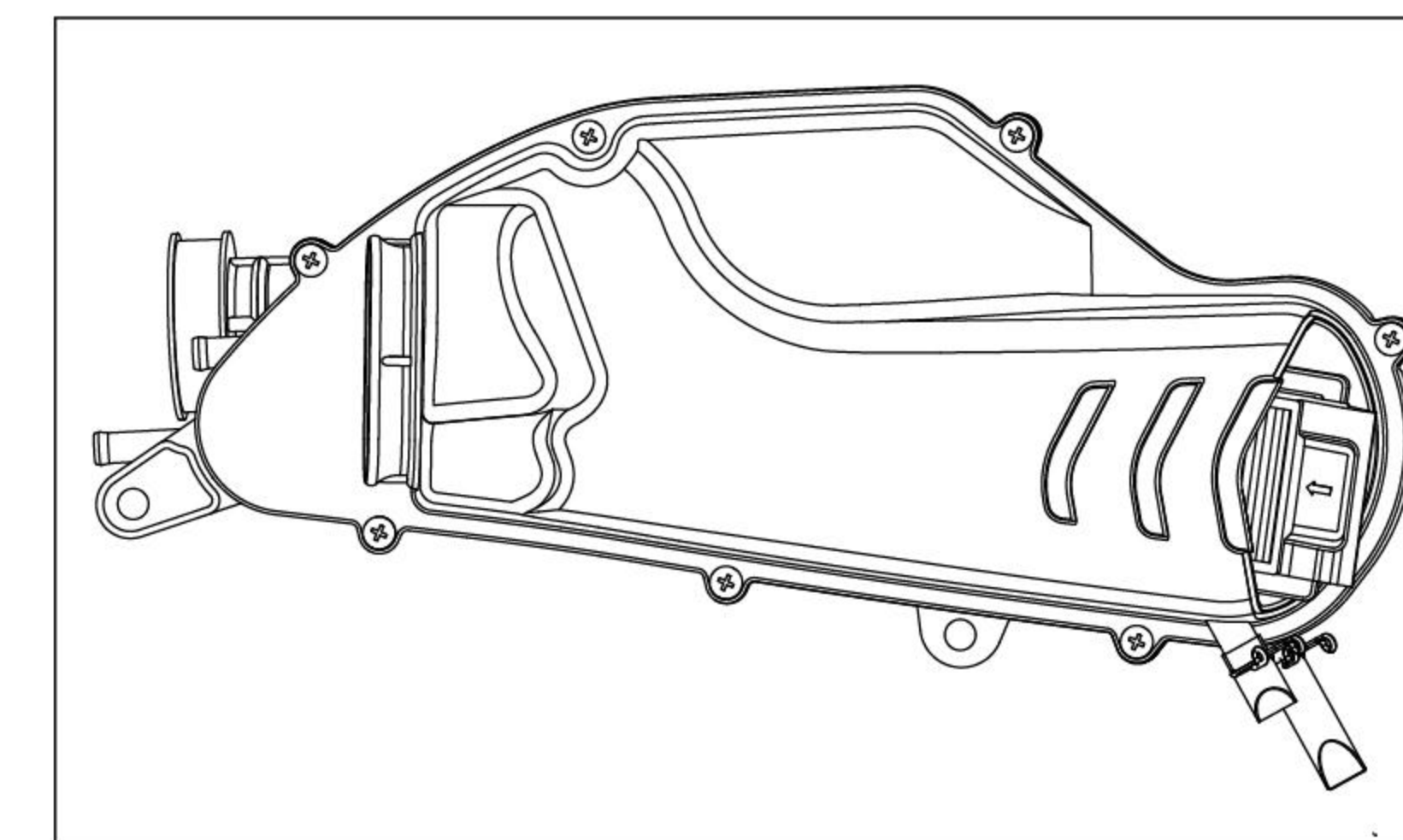
When the engine is stopped and the spark plug is replaced, the temperature is very high, so be careful not to get burned. When installing the spark plug, first tighten it by hand for 2 to 3 threads, then tighten it with the spark plug sleeve.

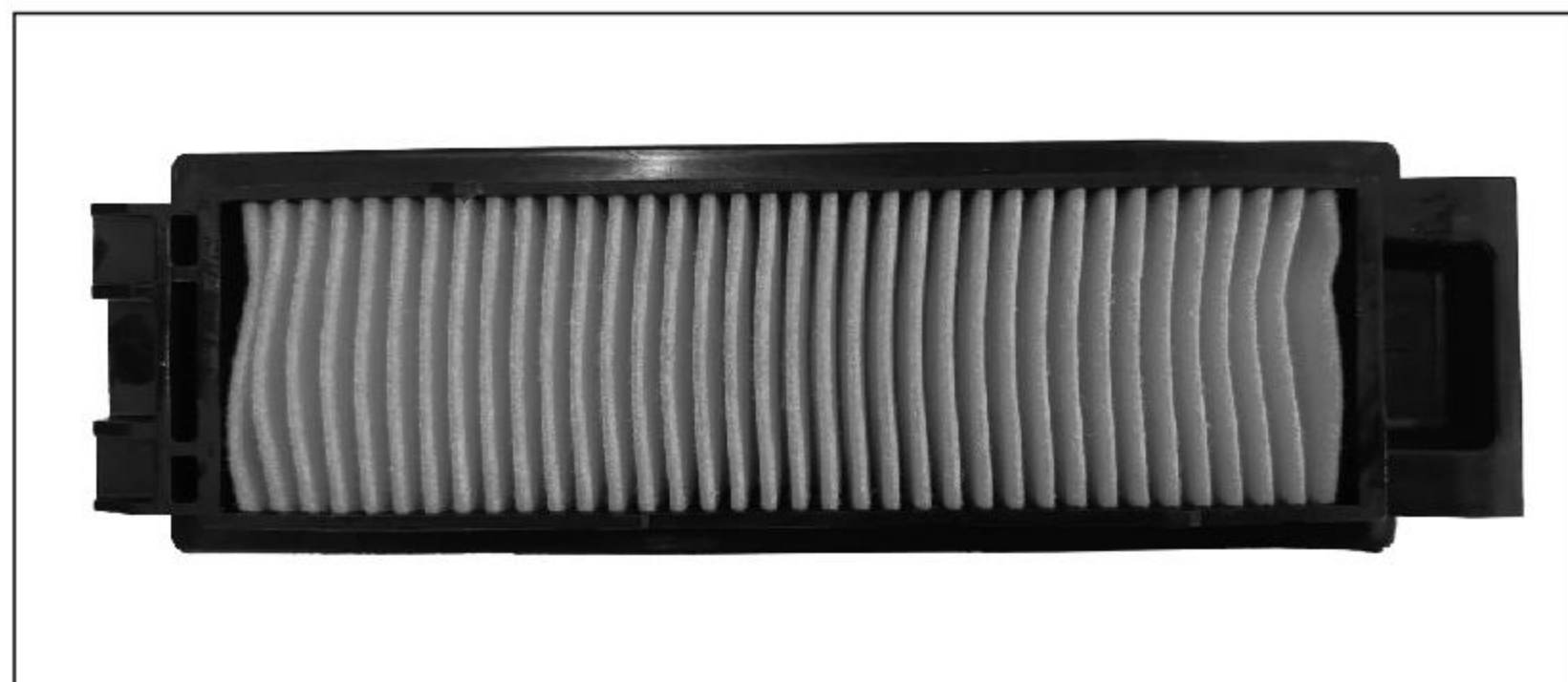
Air filter cleaning and replacement

1.Remove the fixing screws ① of the small cover behind the air filter, and take off the small cover of the air filter;



2. Hold the position indicated by the arrow and pull it back along the track to remove the air filter element;





3. Clean or replace;
4. When assembling, follow the reverse order of disassembly.



Check the air filter oil collecting pipe on the inside of the lower rear part of the air filter every 1000km. If there is oil accumulation, please drain the oil in the oil collecting pipe. When driving in bad weather (cold, hot, rain, snow...), please check and clean the air filter oil collecting pipe regularly. ◀



Please clean the filter element every 3000km and replace it every 12000km (when the road is dusty, please replace it in advance to maintain good engine performance). The air filter element must be installed tightly, otherwise dust entering will cause engine wear and shorten its service life. ◀

Air filter inspection/cleaning

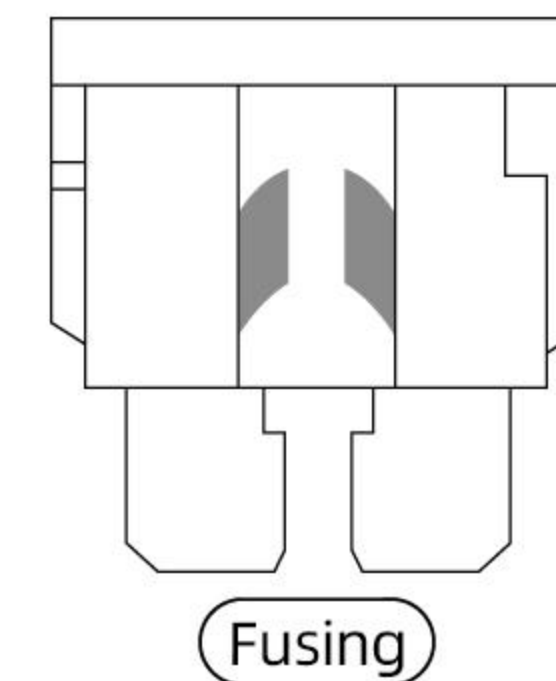
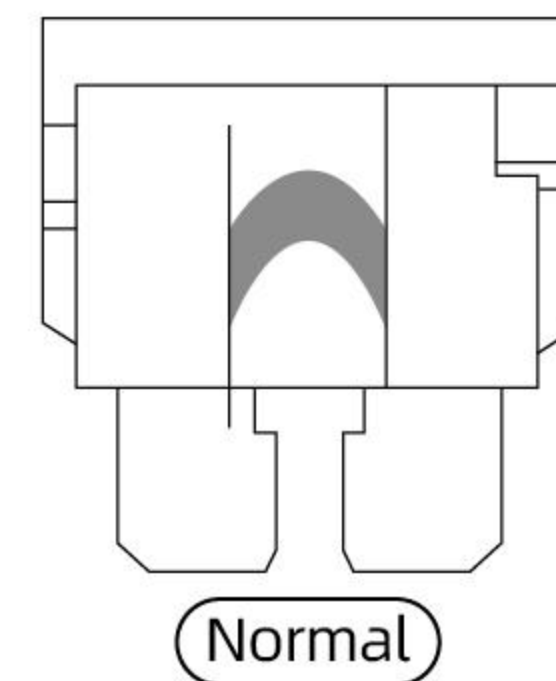
- Remove the air filter element
- Check the air filter element. If it is slightly dirty, you can clean it. If it is seriously dirty, please replace it.
- First, place the dust side downward and tap it gently to shake off the dust. Then use compressed air to clean the air filter element by blowing compressed air along the crease of the air filter element from the dusty side, keeping a safe distance (to avoid damaging the filter element).



Do not use solvents or oils to clean the air filter paper. When washing the vehicle, the air filter element must not be soaked, otherwise it will cause poor starting. ◀

Fuse Replacement

1. Before checking or replacing the fuse, turn the ignition switch to " ⓧ " to prevent short circuit.
2. Please install the fuse according to the fuse specifications used in the corresponding position of the original vehicle fuse box, otherwise the manufacturer will not be responsible.
3. Using a fuse with a capacity other than that specified may cause the wires to overheat, burn out, or become susceptible to circuit breaker failures.
4. When replacing electrical appliances, please use genuine parts. If you use counterfeit parts, the electrical load may not match the design requirements, which may cause electrical failures such as fuse failure.
5. If the fuse burns out, you should first find out the cause and then replace it with a new one, otherwise it will burn out again. It is strictly forbidden to use wires instead of fuses.



6. If you cannot find the cause, please go to the dealer or service station for inspection.
7. When washing the motorcycle, try to avoid using a water gun to wash around the side covers.

Disassemble the fuse

1. Open the fuse cover and take out the fuse.
2. If the fuse and the corresponding connector have poor contact, the fuse will easily heat up, which is one of the reasons for this type of circuit failure.

Fuse specification : 25A (white) 1pc
10A (red) 3pcs

Backup fuse: 10A 1pc

Assemble the fuse

1. Install the fuse into the clamp and press the upper cover tightly;
2. After installation, try to pull the fuse. If it is loose or the fuse and circuit are prone to heat after starting the vehicle, you should check it carefully.



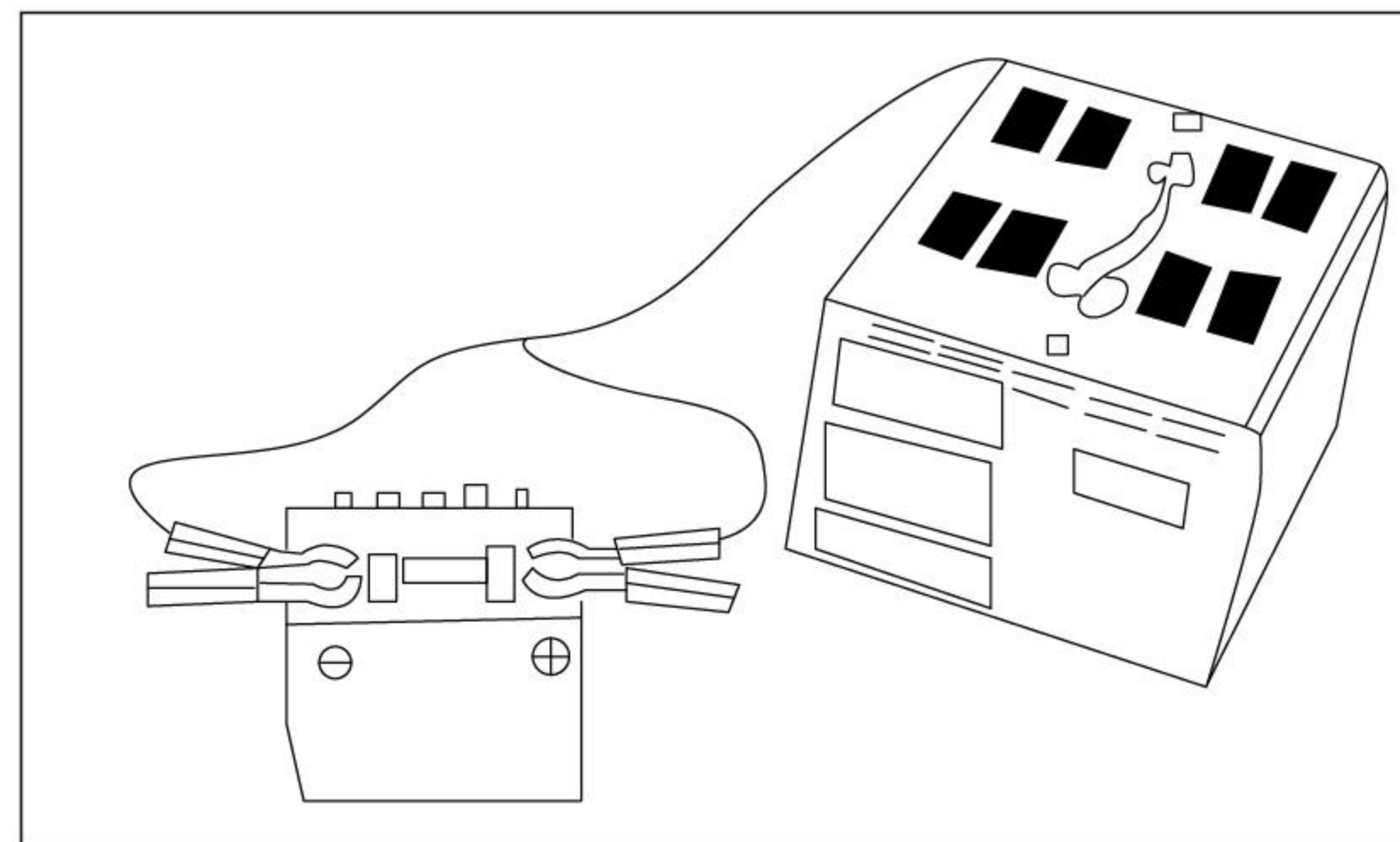
Battery inspection

- 1.This model uses 12V6Ah maintenance-free lead-acid battery.
- 2.No need to check or refill electrolyte.

Battery pile

- 1.When cleaning the battery pile head, please first remove the 2 screws on the battery cover and disassemble the battery cover.
- 2.When the battery pile head is corroded, please take out the battery and clean it.
- 3.After cleaning, apply a thin layer of butter or vaseline on the battery pile head before installing the battery.

Battery capacity: **12V 6 Ah**



Attention

- 1.Be careful to avoid fire when disassembling or installing the battery.
- 2.When disassembling, you must first turn off the main switch power, then remove the negative pole. When installing, install the positive pole first, then the negative pole.
- 3.If the pile head screw is loose, it should be tightened.

Maintenance Precautions

- 1.Never remove the sealed battery electrolyte cap.
- 2.Batteries can generate flammable gases, so be careful to prevent fire during installation.
- 3.Battery fluid is dilute sulfuric acid, which can damage eyes and skin. If it accidentally drips onto the skin, rinse immediately with clean water and seek medical attention.
- 4.Pay attention to the electrode connection when charging
- 5.If the battery is not used for a long time, it will discharge automatically. To prevent leakage, fully charge the battery and store it in a cool and ventilated place. The negative electrode should be removed when storing it in the motorcycle.
- 6.If you ride less in a month, please recharge the battery once to keep it in good condition.
- 7.For details, please go to the car dealer or authorized service station for inquiry.

ARIIC repair point



Emergency troubleshooting

If a fault occurs while the user starts the vehicle or is driving

Step 1 Please perform self-test according to the following items:

- 1.Is there any gasoline left?

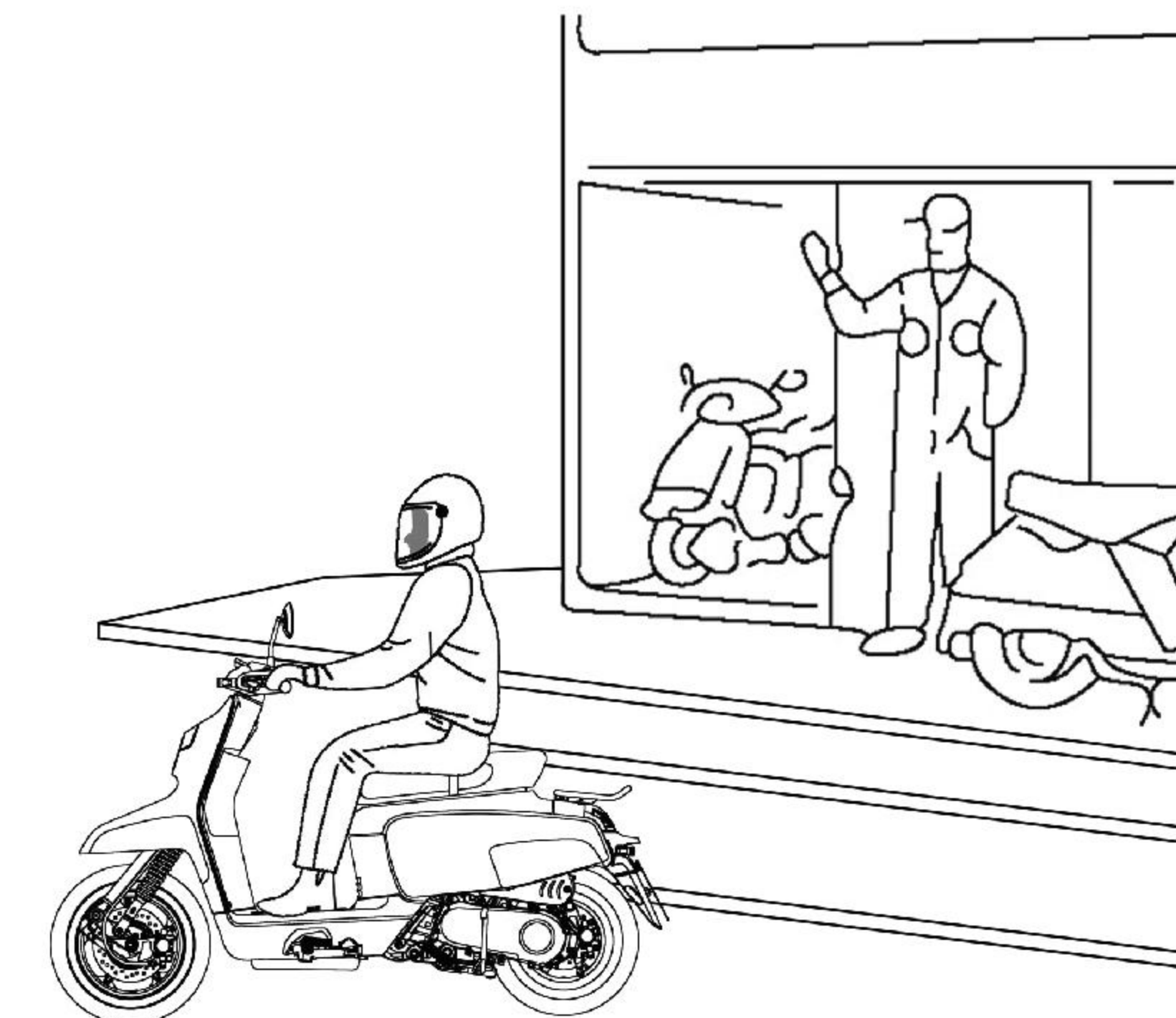
Check the fuel gauge to see if the red indicator is flashing and if there is fuel in the tank (Note: there is only a small amount of gasoline at the bottom of the tank and the fuel pump cannot pump it up). Please refill with 92# or higher unleaded gasoline.

- 2.Check if the battery is low, and check if the battery voltage in the lower right corner of the instrument is lower than 10.5V when not started or during electric

starting. If so, please charge the battery.

- 3.Is the engine started correctly? (e.g. is the side stand retracted?)

4.After starting, the "engine fault light  " on the instrument stays on. Follow the instructions in "Instrument Functions and Operations" of this manual to turn off the "engine fault light  ". If it cannot be turned off, drive at a medium or low speed to a dealer or authorized service station for inspection.



5.The instrument "start-stop indicator light  " (if any) flashes abnormally (the normal start-stop indicator light flashes as: long light or continuous light and off at the same frequency), and the vehicle cannot start, please contact the dealer or authorized service station for inspection.

6. Press the ignition switch knob, but there is no unlocking action. For specific handling methods, please refer to the "PKE Smart Lock Control and Operation" section in this manual.

Step 2 If the self-check fails to solve the problem and the vehicle cannot start or run normally, please contact the dealer or authorized service station, explain the fault phenomenon and describe the self-check process, and wait for their disposal and arrangement.



Because some of the vehicle's accessories need to be connected to a regular power source, it is recommended to remove the battery if you don't ride it often to prevent it from running out of power.



Tips for installing electrical components:

Please do not install/modify the electrical components

of this vehicle at will. Adding heated grips, speakers, spotlights, GPS positioning and other electrical components will cause the battery to run out of power!

Exhaust emission control and system maintenance:

Complying with national laws and regulations and reducing exhaust emissions and air pollution are the obligations of manufacture and every rider. In vehicle manufacturing and maintenance, we should operate in the following ways:

1. Cleaning the air filter element can improve combustion efficiency and reduce exhaust emissions. Please refer to the "Air Filter Cleaning and Replacement" section of this manual for operation.
2. Good lubrication of all parts of the engine can not only protect the engine, but also improve gasoline combustion efficiency and reduce exhaust emissions. Please replace the engine oil every 3000km. Do not discard the replaced waste oil at will. Please hand it over to a professional recycling agency or dealer for disposal.
3. The quality of gasoline directly affects the operation of the ignition system and the combustion efficiency. Please be sure to use 92# and above unleaded gasoline. It is strictly forbidden to use leaded gasoline. Lead is a toxic heavy metal. Using it will not only pollute the environment, but also cause the catalytic converter in the exhaust pipe to deteriorate and fail, increasing exhaust emissions.
4. The muffler used by the manufacture contains exhaust three-way catalytic catalyst, which is manufactured strictly in accordance with national laws and regulations and meets national environmental protection requirements. Please do not replace unqualified products or modify them illegally. If you find that the exhaust gas discharged by the muffler is abnormal, please contact the dealer or authorized service station in time for inspection and treatment.
- 5.Our company's products are equipped with a fuel evaporative emission control system (E.E.C), which can effectively reduce fuel evaporation leakage and exhaust emissions and protect the environment. Therefore, if the system fails, please repair it in time and never dismantle it without permission.

Fuel evaporative pollutant control system inspection:

1. Check whether the pipe joints of the E.E.C system are locked or broken. If so, they should be locked or replaced with new ones.
2. Activated carbon canister - blow air with your mouth to test its air permeability. If there is poor ventilation or blockage, replace it with a new one.
3. Remove the pipe leading to the activated carbon canister and blow it with compressed air. If it is unobstructed, it is good. If it is not obstructed, replace it with a new one.
4. If the one-way valve is installed upside down, fails or is blocked, it may cause difficulty in starting or failure of the evaporative emission control system. Please pay special attention when checking and replacing new ones.
5. Please refer to the fuel pipeline system maintenance items in the table for regular inspection and maintenance.

Irregular inspection:

If a vehicle has an accident, check whether the pipe parts in the E.E.C system are broken or loose. The inspection method is as above.

Suggestions:

The pollution emission value of this model complies with the national environmental protection regulations and control standards. Please do not arbitrarily adjust the settings of its adjustable parameters (such as modifying the exhaust pipe, illegally flashing computer programs, etc.).

1. Do not remove or modify the evaporative emission control system device vacuum line;
2. To reduce emissions, do not reciprocate the accelerator pedal when idling.
3. In addition to regular maintenance, if any abnormalities are found (such as poor starting, emission of black smoke, etc.), the machine should be repaired and maintained immediately at the company's designated service station.
4. Only 92# and above premium unleaded gasoline can be used to ensure the anti-pollution function of the components.

Schematic diagram of the Evaporative Pollutant Control System (E.E.C)

E.E.C is an evaporative exhaust gas emission device, which collects the evaporated oil gas in the fuel tank to prevent the oil gas from escaping into the atmosphere and causing environmental air pollution. (As shown below)

