

Welcome to VOGÉ

We say thanks and express our congratulations to your correct choosing on VOGÉ.

You need to know your motorcycle as well as yourself, to safely drive under various conditions.

Please carefully read this book before your first driving, which includes important information and suggestion about driving and its equipment, also the maintenance and pre-cautions. In case there are some questions about this motorcycle, the VOGÉ dealers are very glad to suggest and help you. We hope you enjoy your every minute on driving.

Important information about this book

This book includes the important information, issues need pay attention to, warning and cautions about the motorcycle, so please always keep it on the motorcycle even lend or sell to others, this is very important. The pictures or details in this book may be different with the actual motorcycle, but their description and principle are the same. This book is a part of the motorcycle, keep it always on the vehicle even sell or lend. VOGÉ improves its products all the time to make sure its high quality and safety performance, so the information in this book may not be complete same with your actual motorcycle, in this case, the VOGÉ dealers are glad to provide your correct suggestions.

The standard of execution: Q/LX 1032-2022

This user manual meets the standards: GB/T 19678.1、GB/T 9969、GB/T 40494

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Issues need pay attention to

This user manual has the warning marks as below, when you saw it, please follow these driving and maintenance procedure.

 **Danger** This mark indicates it may lead to bad injury even death.

 **Warning** This mark indicates it may lead to damage on motorcycle.

 **Caution** This mark means more effective and convenient point for driving.

Danger

This book fits for the driver with license only, please correctly and cautiously drive and pay attention to:

Refit at will is not allowed;

Please follow the local laws and regulations;

Any refit on this motorcycle may be bad for noise, emission and performance.

Caution This mark means more effective and convenient point for driving Because we keep improvements on motorcycle, so the actual motorcycle may not be complete same with this book, please set the actual motorcycle as standard while without further information.

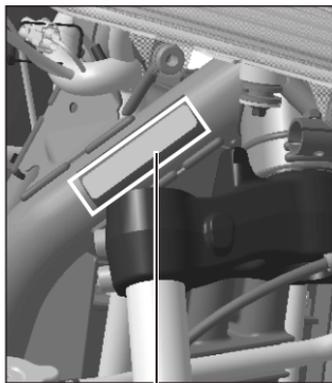
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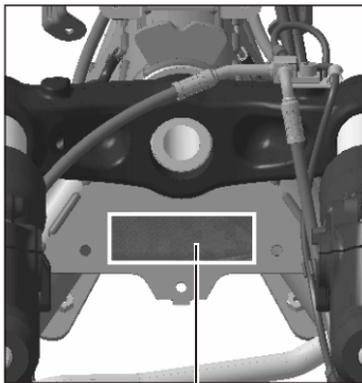
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Identification

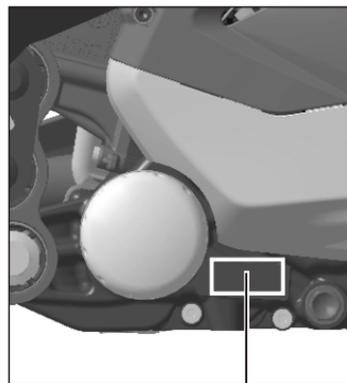
The Vehicle Identification
Number (VIN) name plate
engine type and delivery number



Vehicle Identification Number (VIN)



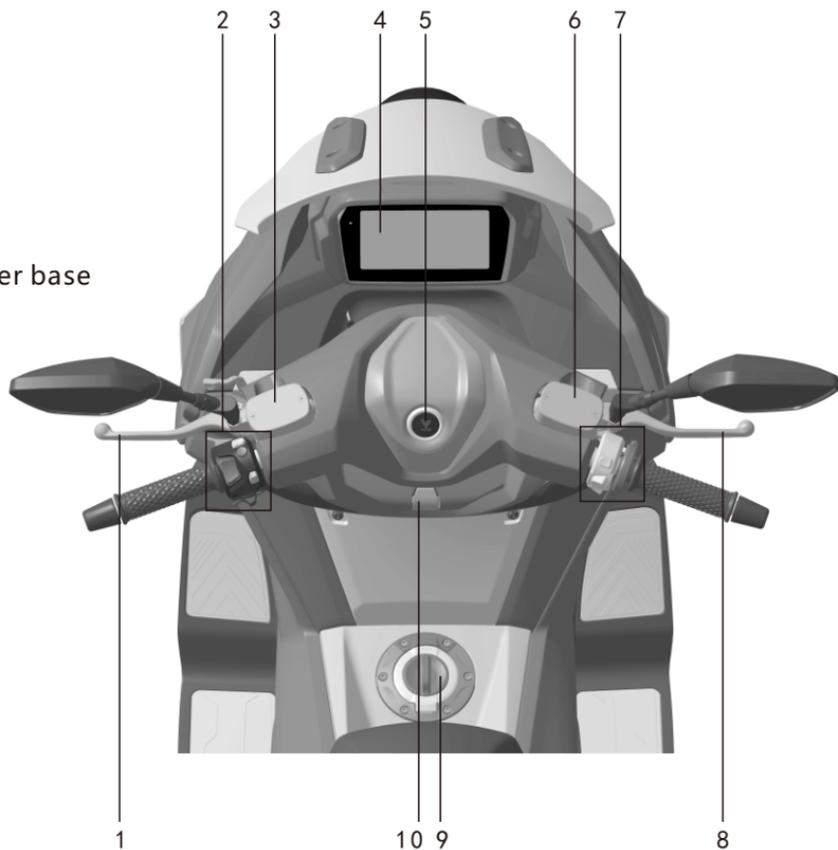
Nameplate



Engine type and delivery number

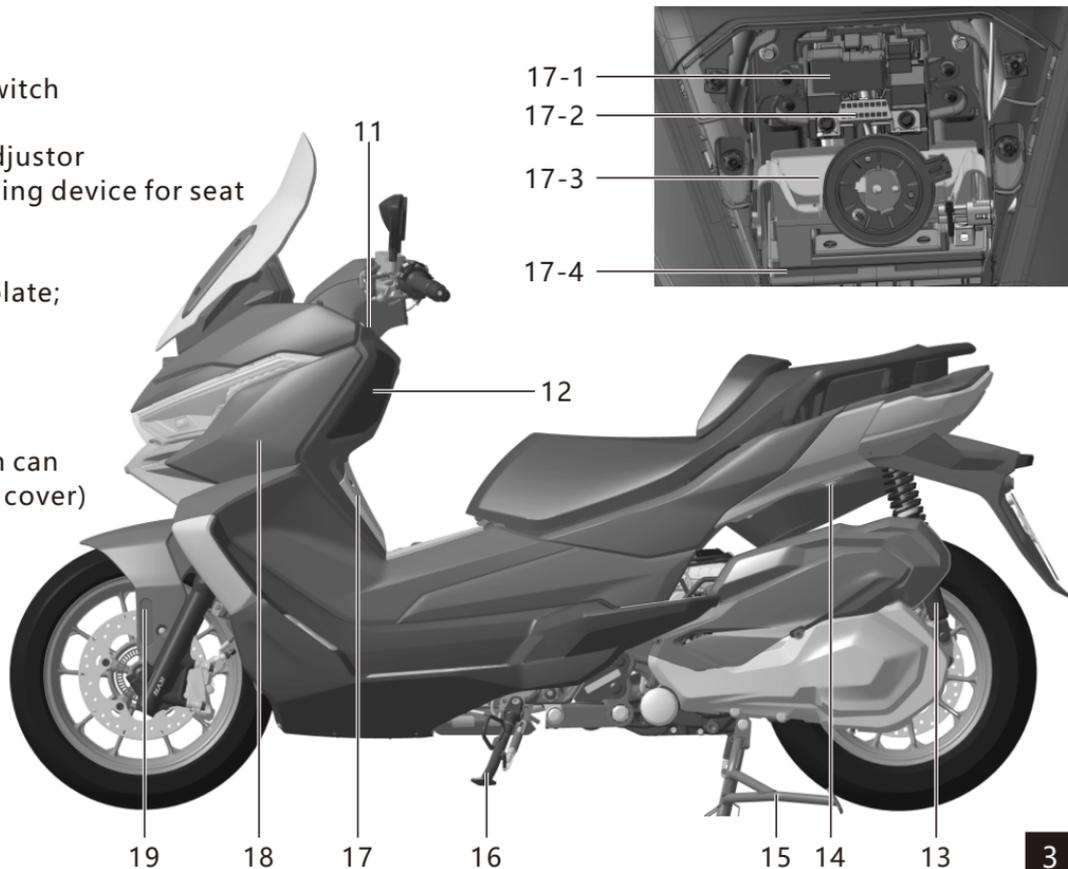
Head part

- 1.Rear brake lever
- 2.Left switch assy.
- 3.Rear brake oil cup
- 4.Instrument
- 5.Ignition switch
- 6.Front main brake oil cup
- 7.Right switch assy. and greaser base
- 8.Front brake lever
- 9.Fuel tank lock(Cap)
- 10.Luggage case hook



Left side

- 11. Left gloves case switch
- 12. Left gloves case
- 13. Spring pressure adjustor
- 14. Emergency unlocking device for seat
- 15. Main stand
- 16. Side stand
- 17. Battery covering plate;
 - 17-1. Fuse box
 - 17-2. OBD socket
 - 17-3. Antenna
 - 17-4. Battery
- 18. Coolant expansion can (Under left front side cover)
- 19. Left side reflector



Right side

20.Right gloves case

21.Right gloves case switch

22.Headlight

23.Right reflector

24.Light turning button(Under right front side cover, Adjustment refer to P35)

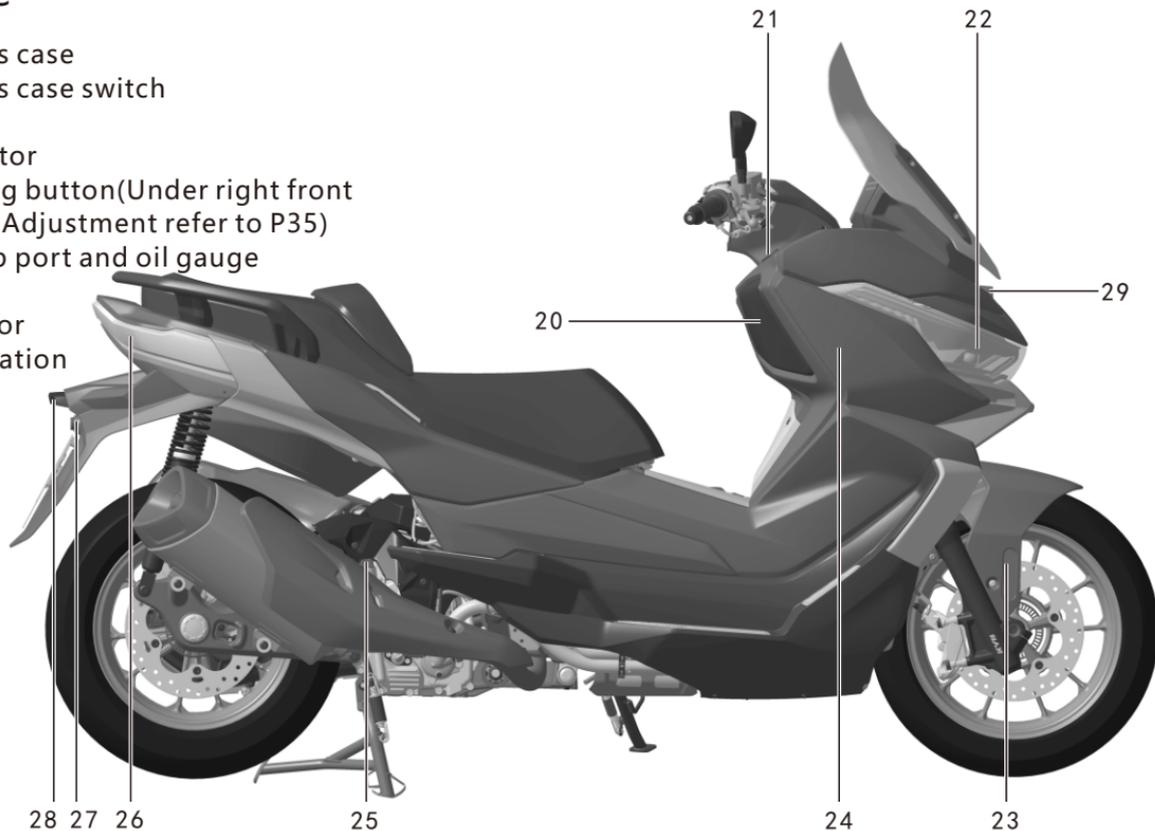
25.Oil filling up port and oil gauge

26.Taillight

27.Rear reflector

28.Rear registration plate

29.Camera

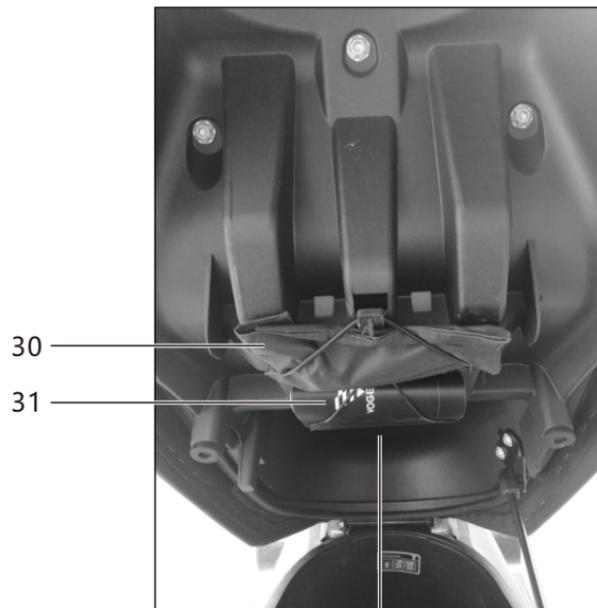


Lower side of seat

30.Tool box

31.User manual

32.Rear luggage case light



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Loading and accessories

The change of motorcycle's weight is a big influence on performance. So the loading, passenger and accessories shall follow our suggestion.

Danger

Please make sure the motorcycle is not overloading before driving. Incorrect loading, refit, accessories or maintenance are all bad and dangerous for driving.

Please adopt the parts and accessories made by us only.

The parts or accessories are not made by us, incorrect installation or loading are all bad for performance even break laws, please take responsibility for yourself or others.

Caution

The parts or accessories of this motorcycle are specially designed and tested, so they are what we strongly suggest ones

Issues need pay attention to during driving

1. Any driver must know well about the motorcycle, the incorrect sitting position or off set during driving may be bad for operation or control of motorcycle; When driving, the passenger need. stably sit on his seat without influence driver. Passenger is an animal is not allowed.
 2. Keep the luggage low to decrease the influence on focus, also the weight of luggage needs evenly spread on both sides, please avoid the luggage extend too long.
 3. The luggage must fix on the motorcycle firmly, make sure it could not move before driving, in case it is unstable in driving, please check its fixing once again, and adjust if it is necessary.
 4. Too heavy or big the luggage is not allowed, the overloading must be bad for driving and performance.
 5. The accessories or luggage may decrease motorcycle performance shall not be loaded, make sure all what you do may not be bad for lighting system, ground clearance, brake performance, side angle, operation, compression distance of tire, working travel for front shock absorber or other performance related to driving.
 6. More weight on handle bar or front fork may be and for turning, and lead to unsafe driving.
 7. Fairing cover, wind shield glass, backrest or other parts with big size may have influence on stability or operation during driving, they increased not only the weight, but also the size, which lower down the power. In case their design lack of test, they may lead to unsafe driving.
 8. Refit to tricycle with side car is not allowed, drawing for other vehicles is also not allowed, and we take no responsibility for refit without authorization.
- The maximum loading: 201kg, including driver, luggage, and accessories.

Ignition switch

The ignition switch is at the upper cover of handle bar. This model is with a remote and plastic key (Includes a mechanical key). Please keep a key for spare one. The ignition switch, seat lock, steering lock and fuel tank lock share a same key.

1. When driving the motorcycle, and distance between remote key and antenna shall not longer than 1.3m.
2. When the motorcycle is power off, long press the ignition switch to lock the head part, then slightly turn the head to confirm its locking up. After the head part locked up, shortly press the ignition switch to unlock.
3. The head part could not be locked when the wheel is running.
4. When locking the head, turn the head part to the most left, otherwise the head part could not be locked.
5. When the motorcycle need be power on, in case the head part is locked, shortly press the ignition switch, unlock the head, then shortly press to get power on.
6. When the head is locking, in case press the ignition switch for 3 seconds, the unlocking and power on may achieve in one time. In case the head unlocked/locked up, the buzzer may ring out.
8. In case the motorcycle is power on, the blue indicator light on switch is on for 1 minute. In case the red indicating light on ignition switch is flashing, which means the wireless communication between key and motorcycle have problem, please make sure the distance between the key and antenna is within 1.3m.
9. When the remote key is out of power, please stick the remote or spare key to the cover in the front of fuel tank cap, meanwhile shortly press ignition switch to power on and start the engine in 1 minute, or



10. When the motorcycle is in 0 speed, in case need to be power off, shortly press the ignition switch. In case press the ignition switch for 3 seconds, the power off and head lock up may finish in one time.
11. When the speed is faster than 0, shortly press the ignition switch, the motorcycle may not off. Press the ignition switch by 3 seconds the motorcycle may be forcedly off.
12. Even the distance to antenna is within 1.3m, put the remote key at somewhere of motorcycle may lead to abnormal communication with motorcycle, and then lead to power failure or fail to start the engine, where including but not only right gloves case, nearby steering stem, surface of instrument and helmet case.

 Caution

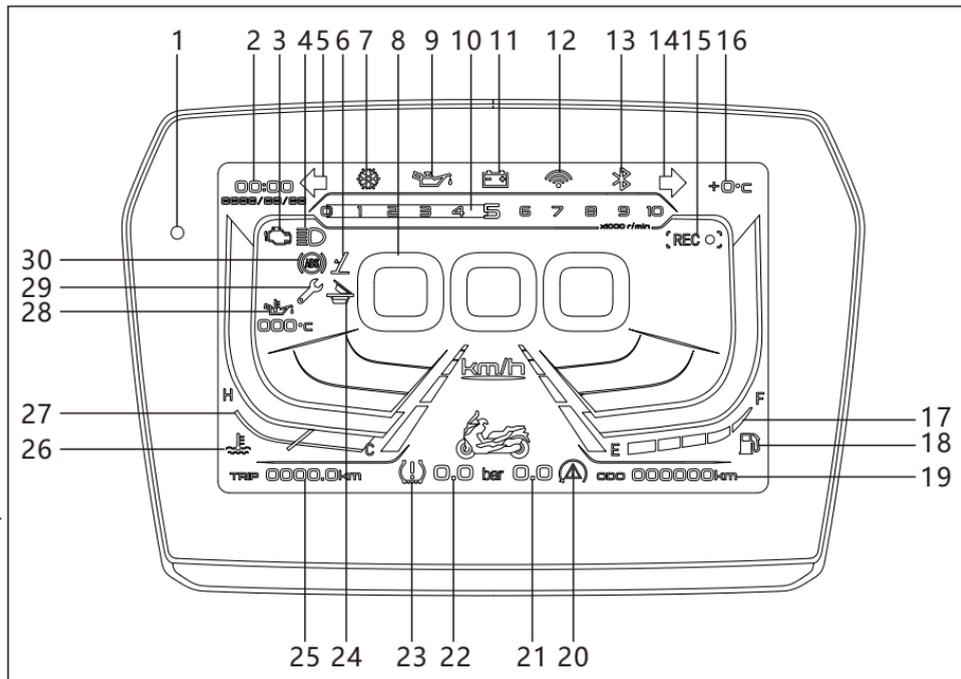
This model is equipped the main and side stand, when use the side stand, to keep stability, please turn the handle bar to the most left, no most right to lock up the handle bar.

 Danger

Long press the ignition switch is not allowed when driving, otherwise the motorcycle may power off and lose the power.

Instrument and indicating light

- 1.Light sensor
- 2.Date/time
- 3.Engine malfunction alarm
- 4.High beam indicator
- 5.Left turning indicator light
- 6.Side stand
- 7.Surrounding lower temperature reminder
- 8.Speed
- 9.Oil level indicator
- 10.Engine rotation
- 11.Low voltage alarm
- 12.WIFI
- 13.Blue teeth
- 14.Right turning indicator
- 15.Driving recorder indicator
- 16.Surrounding temperature
- 17.Fuel volume
- 18.Low fuel reminder
- 19.Mileage
- 20.TCS indicator light
- 21.Rear tire pressure
- 22.Front tire pressure



- | | | |
|-------------------------------------|------------------------------|------------------------------|
| 23.Tire pressure alarm | 26.Coolant temperature alarm | 29.Maintenance reminder |
| 24.Fuel tank cap unlocking reminder | 27.Coolant temperature | 30.ABS malfunction indicator |
| 25.Single mileage | 28.Oil temperature and alarm | |

 Warning

Direct wash on instrument by high pressure water is not allowed. Wipe up the instrument by gasoline, ethanol or organic solvent is not allowed, or the instrument may partly crack or color fading.

Left turning light " ⇐ "

When push the left switch to " ⇐ ", the indicator " ⇐ " is on.

 Caution

In case the turning light is damaged or in other malfunction, this indicator light " ⇐ " flashes faster than normal situation, which reminding you the malfunction of turning signal light.

Engine malfunction alarm " ⚠ "

When the managing system of engine is in malfunction, the alarm light " ⚠ " is on.

When the motorcycle is just power on, the indicating light " ⚠ " is permanently on, After the engine started, the indicating light " ⚠ " goes off immediately.

 Warning

After the engine started, the indicating light " ⚠ " goes on or flashing, at this moment, the motorcycle may not be normally stated, and the fuel system may not work.

In motorcycle driving, in case the indicating light " ⚠ " goes on or flashing, please stop using, then contact the VOGÉ dealers.

ABS malfunction indicator" "

When the motorcycle is power on, the ABS malfunction indicator is flashing, when the motorcycle moved forward, the indicating light"  "goes off immediately.

 **Caution**

ABS failed, ong press the ignition switch to power off.

 **Danger**

During driving, the indicating light"  "is permanently on of flashing,stop driving and contact the VOGE dealer immediately.

TCS indicating light" "

When the motorcycle was power on, the TCS indicating light is"  "slowly flashing, when the motorcycle is in driving, the indicating light goes off.

TCS could be off in instrument setting, after it is off, the indicating light TCS "  "is permanently on. When the motorcycle is power one every time, the TCS is on of default.

When TCS is on, during driving, when the rear wheel get skidding, TCS may decrease engine torque and tire skidding.

When TCS is working, the indicating light TCS"  "fastly flashes.

 **Warning**

When the TCS is on, when driving, in case the indicating light TCS"  "is permanently on, which means the TCS function is failed, please contact the VOGE dealer.

TFT display screen

Connection of blue teeth: When the mobile phone connected through blue teeth to instrument, the instrument can display the call number. (Number+name)

Rotation speed: The rotation speed of engine. (r/min-the rotation circles in one minute of crankshaft at the moment)

Speed: The running speed of motorcycle. (km/h-kilometers/ hour or mph-miles per hour)

Water temperature: The temperature of coolant at the moment. (Unit: °C, when the temperature $\geq 105^{\circ}\text{C}$, the alarm light gets on, and the indicating strip get red completely).

Fuel level: Show you the residual fuel at the moment.

When the fuel in the fuel tank is about running out, the alarm light may get yellow to remind you the fuel filling-up.



⚠ Caution

The fuel in the tank is waving in the running, when there is a few fuel, the indicating light may be not on, which is normal, don't worry. In case the alarm gets yellow during driving, which means the residual fuel is about 3L.

⚠ Danger

Carefully operate the instrument during driving because it may decrease your control on motorcycle.

Right turning indicating light" ⇨ "

When pushed the right turning signal switch of right switch assy to" ⇨ ", the light" ⇨ "gets on.

Caution

When the turning signal light got damaged or without getting on due to other malfunction, the indicating light" ⇨ " flashes faster than under common conditions, which remind you to check the malfunctions on turning signal light

High beam indicating light" ≡D "

When pushed the headlight switch on left switch assy. upwards, the indicating light" ≡D "gets on.

When pressed the overtaking light switch on left switch assy the indicating light" ≡D "gets on ,until you release the switch.

Oil level indicating light" "

When the oil is lower than normal, the indicating light"  "gets on.

Caution

The only way to check oil level is by the oil mark on oil gauge.

Warning

In case the oil indicating light"  " is permanently on when engine started, which means continue the driving may lead to poor lubrication even damage the engine due to low oil level, under this case ,stop the driving and engine, then check the oil level.

Tire pressure display

When the front tire pressure is $< 1.9\text{bar}$, the pressure shows the red, while the tire alarm light is on, when the tire pressure was $> 2.0\text{bar}$, the pressure shows the white while the alarm light gets off.

When the front tire pressure is $> 2.9\text{bar}$, the pressure shows the red, while the tire alarm light is on, when the tire pressure was $< 2.7\text{bar}$, the pressure shows the white while the alarm light gets off.

When the rear tire pressure is $< 2.1\text{bar}$, the pressure shows the red, while the tire alarm light is on, when the tire pressure was $> 2.2\text{bar}$, the pressure shows the white while the alarm light gets off.

When the rear tire pressure is $> 3.1\text{bar}$, the pressure shows the red, while the tire alarm light is on, when the tire pressure was $< 2.9\text{bar}$, the pressure shows the white while the alarm light gets off.

When the position of pressure data show you a red line instead of data, which means the tire pressure monitor has malfunction, please contact the service station for inspection, only when the running speed is faster than 25km/h or pressure changed, it sends wireless signal to receiver.

The receiver may work only when engine started.

The tire pressure displaying on receiver is the last success receiving of tire pressure, which means the pressure data may not be the actual one when the running speed was lower than 25km/h , in case the tire pressure changed during this period, the actual pressure may not be displayed on the instrument, for example the air charging or discharging when the motorcycle is parking, at this moment, the latest pressure may not be displayed, when the running speed is higher than 25km/h , the latest tire pressure may update.

Caution

Please adopt the tire pressure sensor of VOGÉ only.

When the tire pressure sensor, BCM or controller replaced, the tire pressure needs be matched once again. When matching, please confirm the target wheel, to avoid the wrong identification between the front or rear wheel.

 This alarm light reminds you fuel filling-up

Caution: The fuel is not enough may lead engine starting failure or bad power performance, under this case, continue the use may damage the fuel pump.

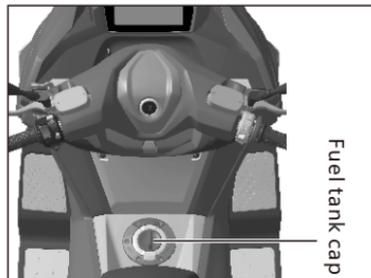
Completely run out the fuel in the tank is not allowed, fill up the fuel before alarm light getting yellow.

Issues need pay attention fuel filling

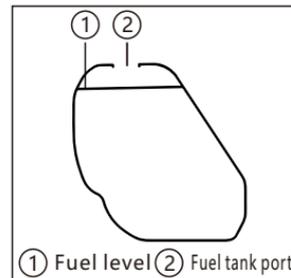
Open the fuel tank cap when the motorcycle was power off. When the cap needs be opened, get the remote key within 1.3m to motorcycle, slowly turn the tank cap once or fast turn it twice, it could be opened.

Wash the fuel tank lock by high pressure water is not allowed to avoid water gets in.

Please adopt the gasoline of 92# or the unleaded gasoline above 92#.



Fastening torque of bolt on fuel tank cap:2N.m



Fuel tank capacity:12.8L

Danger

Please stop the engine when filling up the fuel and get it far away from spark, smoke, fire or heat source.

Warning

- The fuel is corrosive to the painting surface, make it color fade or get bad for looking, In case there is fuel on the painting surface, please wipe it up Immediately.
- The fuel may get expand when it met heat, so too full the fule in the tanke may lead to high pressure and make fuel tank distort or fuel outflow.
- So too full the fuel tank when filling it up is not allowed, get the fuel level reach the bottom surface of shaking ring of fuel tank.s port is enough.

Coolant temperature alarm light



This alarm light on means too high the coolant temperature.

When the engine overheated, continue the driving may damage the engine, so please follow the instructions below.

Stop driving and engine until the indicating light off. Check coolant and heat radiator when the motorcycle completely cool down.

–In case too low the coolant level, fill it up.

–When the coolant temperature light got on, which means the fan of heat radiator is without working, please contact the service station for troubleshooting, it is better the station authorized by us.

Insufficient coolant

We suggest the operation below when the coolant is not enough or the heat radiator blocked by mud or sand:

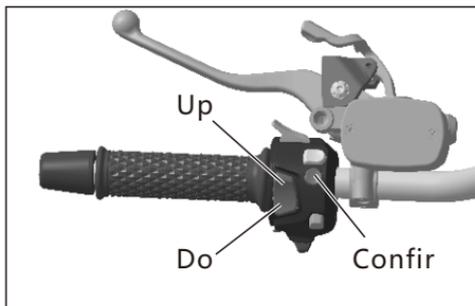
–Reduce the loading to decrease the engine heat.

–Keep the engine idly run when in the traffic, don't turn the throttle to avoid engine temperature rise.

–In case the operation above fail to cool down, please stop the engine and contact the service station for troubleshooting.

Operation for instrument

1.The keys



The first screen of instrument



The second screen of instrument

- 1.Short press the upper key to enter inter interface.
- 2.Long press the confirm key to enter setting up interface.
- 3.Connect the blue teeth, short press the down key to hear the call, short press the up key to hang up, connect the headset of blue teeth to mobile first to achieve the phone call.
- 4.1st menu: Motorcycle set, My motorcycle, Quit.
- 5.2nd menu for motorcycle setting: Language selection, metric/imperial shift, interface shift, single mileage reset, clock set, blue teeth connection, tire pressure matching, and phonebook sync.
- 6.2nd menu of my motorcycle: Information about my motorcycle, all the version numbers.
- 7.Enter my motorcycle, long press the upper key to remove the symbol for maintenance.

⚠ Caution

Short press is 0.5 second, and long press is 2 seconds.

2. Get into the page of setting up

Get into the 1 st menu	Get into the 1 st menu by long pressing key confirm on instrument.	
My vehicle	When got into the 1 st menu, short press the key up and down to select My vehicle, then short press the key confirm to enter Selection mode, when the cursor fix the page, short press the key confirm The next page The last page to start shifting, when the cursor select the page of getting back, short press the key confirm to get back to the 1 st menu of interface.	

<p>settings</p>	<p>Press the key up or down to select settings; Short press the key confirm to get into the 2nd menu.</p>	
<p>Language</p>	<p>When got into the 2nd menu, short press key up and down to choose Language, short press key confirm to enter Language, press key up and down to shift Chinese and English, when the cursor on the item, short press to fix, then long press the key confirm to get back to 2nd menu.</p>	
<p>Unit</p>	<p>When got into the 2nd menu, short press key up and down to enter Unit, short press key confirm to enter Unit, press key up and down to shift Metric and Imperial, when the cursor on the item, short press to fix, then long press the key confirm to get back to 2nd menu.</p>	

<p>UI</p>	<p>When got into the 2nd menu, short press key up and down to enter UI, short press key confirm to enter UI, press key up and down to shift Classic and Sporty, when the cursor on the item, short press to fix, then long press the key confirm to get back to 2nd menu.</p>	
<p>Trip reset</p>	<p>When got into the 2nd menu, short press key up and down to enter Trip reset, short press key confirm to enter Trip reset, press key up and down to shift Confirm and Back, when the cursor on the item, long press to return to upper grade, then fix the cursor on Return, then short press the key confirm to return to the 2^d menu.</p>	

Time

When got into the 2nd menu, press the key up and down to select the Time, short press the key confirm to enter Time, press the key up and down to shift to tens place of hour, short press key confirm to enter, then press key up and down to set parameters; Then short press key confirm to return to top; Press key up and down to select ones place of hour, short press key confirm to enter, press up and down to set parameter, then short press key confirm to return to the top; press the key up and down to shift to tens place of minute, short press key confirm to enter, then press key up and down to set parameters; Then short press key confirm to return to top; Press key up and down to select ones place of minute, short press key confirm to enter, press up and down to set parameter, then short press key confirm to return to the top; When the setting finished, long press the key confirm to return to 2nd menu. After the mobile APP connected with instrument, the instrument keep the same time display with mobile phone.



<p>Blue tooth</p>	<p>When got into the 2nd menu, press key up and down to choose Blue tooth, short press key confirm to enter Blue tooth, press key up and down to shift On and Off, when the cursor on the item, short press to fix, then long press the key confirm to get back to 2nd menu.</p>	 <p>The screenshot shows the vehicle's settings menu. The 'Bluetooth' option is highlighted with a white border. The menu items include Language, Unit, Trip reset, Time, Bluetooth, WIFI, TPMS, and Page Down. The status bar at the bottom shows 25°C, 123.0 km, and 20:00.</p>
<p>WIFI</p>	<p>After got into the second Menu, press the key Up and Down to choose WIFI, short press the key confirm to get into the WIFI , the key Up and Down is for the shift between ON and OFF, after the icon was chosen, short press the key confirm to fix, then long press for confirmation to get back to the second Menu.</p>	 <p>The screenshot shows the vehicle's settings menu. The 'WIFI' option is highlighted with a white border. The menu items include Language, Unit, Trip reset, Time, Bluetooth, WIFI, TPMS, and Page Down. The status bar at the bottom shows 25°C, 123.0 km, and 20:00.</p>
<p>TPMS</p>	<p>When got into the 2nd menu, press key up and down to choose TPMS, short press key confirm to enter TPMS, press key up and down to shift Front and Rear tire, when the cursor on the item, short press to fix the tire matching, discharging the tire until remind you success, then long press the key confirm to get back to 2nd menu.</p>	 <p>The screenshot shows the TPMS matching screen. The 'Matching:' section shows 'Front Successful' and 'Rear Successful'. The 'Unit:' section shows 'bar' and 'psi'. The status bar at the bottom shows 25°C, 123.0 km, and 20:00.</p>

<p>Upper and lower page shift</p>	<p>When got into the 2nd menu, short press key up and down to choose the Next page or Last page.</p>	
<p>TCS</p>	<p>When got into the 2nd menu, press key up and down to choose TCS, short press key confirm to enter TCS, press key up and down to shift On and Off, when the cursor on the item, short press to fix, then long press the key confirm to get back to 2nd menu.</p>	

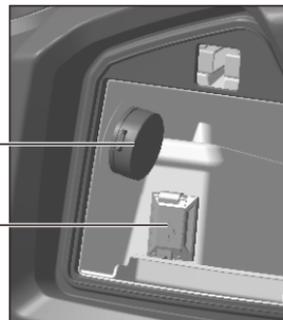
<p>Phonebook sync</p>	<p>When got into the 2nd menu, press key up and down to choose phonebook sync, short press key confirm to enter phonebook sync, press key up and down to shift On and Off, when the cursor on the item, short press to fix to confirm the download, when the downloading disappeared, long press the key confirm to get back to 2nd menu.</p>	
<p>Return to interface of setting and instrument</p>	<p>Long press the key confirm in 2nd menu to return to 1st menu, then press key up and down to quit, then short press key confirm to return, quit the setting up mode.</p>	
<p>At the front and rear wheel position in interface of My motorcycle, there is display for matter of tire pressure sensor, when the power in battery is not enough, it may report you the abnormality.</p>		

Power socket of USB" "

This model equipped power socket of USB with output specification of 5V 2A. USB power socket is with rubber waterproof cap with mark of "  " Raise up the cap, the USB power socket could be used.

Warning

The socket plug and wires need be prepared by user himself, after used, well cover the rubber cap to avoid water or dust get in which bad for working life. To keep the working life of battery, don't use this function when engine stopped.



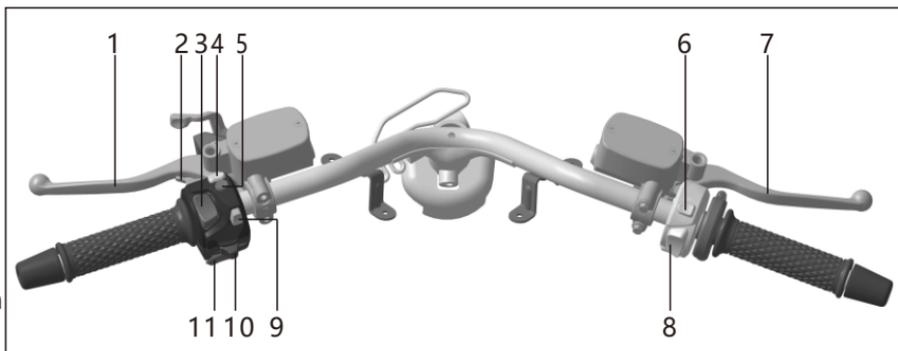
12V socket

USB

12V socket, power output $\leq 60W$

Steering switch assy

- 1.Rear brake lever
- 2.High & Low beam and overtaking switch
- 3.Up & Down button
- 4.Seat open button
- 5.ENTER confirm key
- 6.Driving recorder photo button
- 7.Front brake lever
- 8.Electrical starting and kill switch
- 9.Emergency light switch
- 10.Turning signal light switch
- 11.Horn switch



High/Low beam and overtaking switch

This model is without the low beam switch only, when the motorcycle is power on, the low beam is off, in case the high beam/overtaking switch pushed forward or move back, or the engine is working, the low beam will be on automatically until the engine stopped.

When the high beam/overtaking switch push forward to "≡D", the high beam gets on, while the indicating light on instrument "≡D" also gets on.

When the high beam/overtaking switch move back to "≡D", the high beam light gets off, while the indicating light on instrument "≡D" gets off.

When move back the switch "≡D", the high beam is on, while the indicating light on instrument is on "≡D", and it recovers when released the switch.

Warning

The headlight could be on when the engine is stopped, the light depends on battery, so please don't long time turn on the light when the engine is stopped.

Caution

When the battery voltage is lower than 12V, the high/low beam may automatically off.

When the battery voltage is lower than 12V, the low beam switch could not be on unless start the engine to let the voltage recover above 12V.

Horn switch ""

When pressing "", the horn rings.

Turning signal light switch

When push the turning signal light switch on left switch assy. to the left "", the turning signal light at left side both front and rear are all on, the indicating light "" on instrument is also on.

When the switch on left switch assy. push to right "", the turning signal light at the right side both the front and rear are all on, its indicating light "" is also on.

When the turning signal light switch on left switch assy. in the middle position and press it inward, the turning signal lights get off while its indicating light on instrument also gets off.

Emergency light button

When pressing down this button , all the running signal light and their indicating light on instrument are all flashing. At this moment, in case turn the turning light switch to another side, only the turning signal light is on at this side, the light on the other side may be off. When the turning signal switch is at middle and pressing down, the left and right turning signal lights are flashing at the same time (This is the performance of turning signal light first).

Please use the emergency light when your motorcycle needs stopping urgently or in accident to let other vehicles know.

Electrical starting and kill switch

When turning the kill switch to , the engine could not be started.

When the engine is working press the kill switch to , the engine stops immediately.

The electrical kill switch is the fastest and easiest way to stop the engine.

Danger

In case press the kill switch to , during driving, the rear wheel may lock up and lead to accident.

Brake lever

The rear brake lever is at left side while the right side is for front brake. When tightly hold the brake lever, the rear brake light gets on.

Button for candid photograph on driving recorder

Short press the button on right switch assy. for taking a candid photograph, whose photo may store in card of Micro SD.

Warning

When the motorcycle is in emergency braking, the ESS system may control the braking light fast flashing, to remind the vehicles behind.

Opening of seat

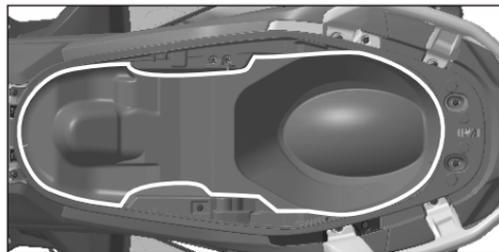
In case the remote key is beside the motorcycle, no matter the motorcycle is power on or off, press down the button on the switch assy. to open the seat.

When the motorcycle is in driving, press the seat opening button, the seat could not be opened.

In case the motorcycle is power off while forgetting to close the seat, when the key left the buzzer may ring to remind you for three times, then the light for helmet case may be off automatically.

Long press the right button on remote key can open the seat within 30m, after 1 minute after the seat opened, in case the seat without closing, the light of helmet case may be off automatically.

In case there is some goods in luggage case, passed the white area is not allowed, otherwise the seat could not be opened electrically.



⚠ Warning

The rear luggage case is without strong ability for anti-theft, so your expensive materials could not be kept.

⚠ Caution

- The light on the rear luggage case is on with the seat light, and off when the seat locked up, so when taking out or put material in, please keep the seat locking up.
- When the electrical seat lock is failure, please insert the inner key on the remote key or the spare key into the hole on left rear, then turn the key by hand to open the seat.

Use of front luggage case

Only when the motorcycle is power on, press the button can open the front luggage case

⚠ Warning

The front luggage case is with only limited function for anti-theft, please don't keep expensive materials in it when you left.

Opening for fuel tank cap

The fuel tank cap could be opened only when the motorcycle is power off.

When opening the fuel tank cap, the remote key must be beside it, slowly turn the cap 1 time, or fast turn by 2 times, the fuel tank cap could be opened.

In case the fuel tank cap is failed or with malfunction, please remove the 2 front bolts on the cap by tools on the motorcycle, then take the motorcycle to service station.

Remote key and spare key

The left button of the remote key is for seeking vehicle :

Short press the seeking button, then turning signal flashes for 10 times while the buzzer ring for 10 times.

The seeking distance in open space is 30m, otherwise the distance may be shorter than 30.

The right key on remote key is for seat:

Long press the key for seat can open the seat.

Remote open the seat, which only opened the seat lock, the user still need lift it up to fixed position to open.

When the power of remote key ran out, Or only bring the spare key:

1.Put the remote key or spare key close to the antenna less than 30mm, press the ignition switch to power on the vehicle, then start the engine while keep the key close to the antenna, afterwards the key can be taken away, then you can drive the vehicle.

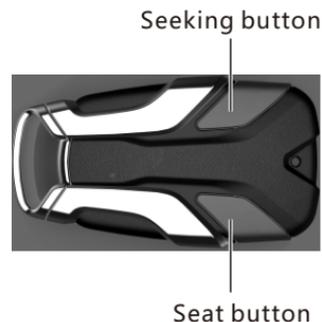


Figure 1

30

If powered on the vehicle, the key is still close to the antenna, and without other operation, the vehicle will keep powered on, the engine can be started anytime.

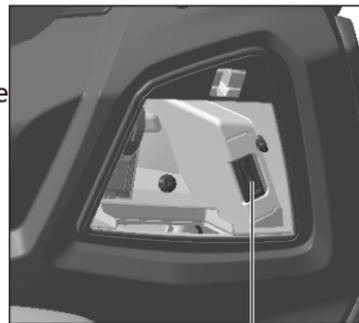
But if powered on the vehicle, the key is taken away more than 30mm, and the engine is not started, the vehicle will be powered off in 1 minute.

2.Put the key close to the antenna, and start the engine, then take away the key, and then engine killed, the vehicle might be powered off automatically.

Driving recorder

The interface of driving recorder is inside of right side of front luggage case. We suggest the card no bigger than 128GB of Micro SD, above class 10, with each minute about 80M.

When the card Micro SD is full, the new video may replace the old one. In case the Micro SD card hasn't been used in recorder, after it is inserted into the groove, make the card format in APP first.



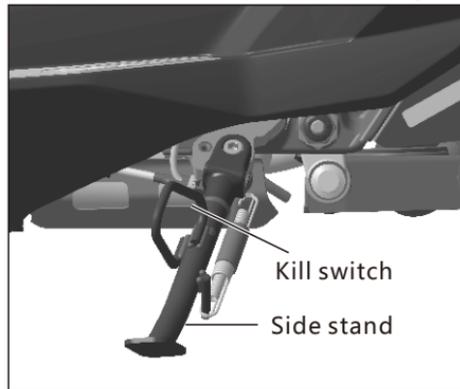
Inter face for driving recorder

⚠ Caution

- The storage card need be prepared by user himself.
- The recorder from origin factory can take photo in the front only.

Side stand

The kill switch of side stand is designed for safety, which is a part on electrical circuit for engine starting.



Warning

1. Please park the motorcycle on solid and flat ground, otherwise the parking is not stable.
2. In case the motorcycle need be parked on slope, make its head forward to uphill to avoid turnover due to turning of side stand.
3. The design of side stand takes more consideration for the weight of motorcycle itself, so don't take your body on motorcycle when adopting the side stand to avoid distortion due to overweight.

Caution

1. The engine could not be started when the side stand is working.
2. When the side stand is completely picked up and hold the lever fast, the engine could be started; In case the engine is working, lay down the side stand, the engine stops.

Adjustment before driving

Adjustment for back view mirror

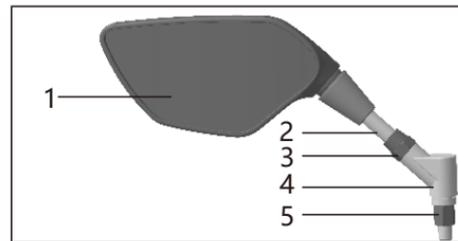
Adjust the back view mirror to correct position according to your driving posture and stature.

The back view could be adjusted by your hands.

Adjust the nut 3 to adjust mirror rod 2 by tools on the motorcycle, then lock up the nut 3.

Loosen the nut 3 by fixed wrench 17# to adjust mirror rod 2 while the nut 5 by fixed wrench of 14# to adjust mirror base 4.

32 After their position confirmed, lock up the nut 3 and nut 5.



Fastening torque for nut 3: 15-20N.m
Fastening torque for nut 5: 22N.m

⚠ Warning

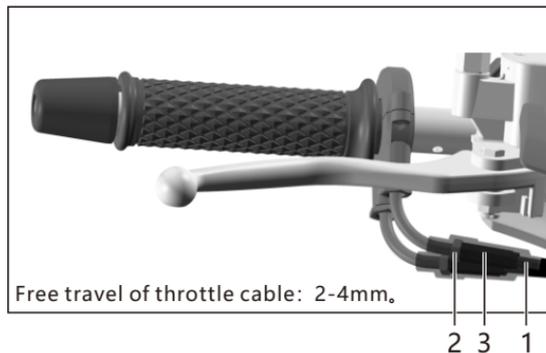
After the mirrors adjusted, turn to their limit and confirm the interference with windshield glass, in case it is please adjust again the eliminate the interference, otherwise it is bad for your driving and controlling.

⚠ Danger

Adjust the mirrors during driving is bad for your control, which is not allowed.

Adjustment for throttle lever

- The throttle lever is for controlling engine rotation.
- Turn to your own direction is acceleration, the opposite direction is deceleration.
- The adjustment for clearance of throttle cable.
 - Remove the rubber jacket 1.
 - Loosen the locking nut 2.
 - Turn the adjustor 3 to let the clearance of throttle cable between 2-4mm.
 - Lock up the nut 2. –Re-assemble the rubber jacket 1.



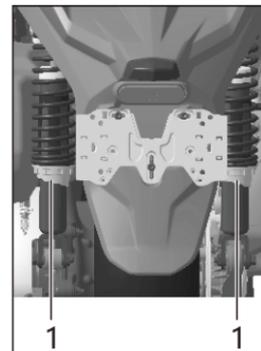
⚠ Caution

- After the clearance of throttle cable adjusted, make sure the throttle lever could return automatically whose idling speed should not rise.
- After the clearance of throttle cable adjusted, turn the handle bar to the left and right limit, whose idling speed should not rise.

Adjustment for rear shock absorber

The adjustment for rear shock absorber is to suit different drivers, loading and driving style.

- The loading of spring is adjustable.
- From up to down, turn the adjustor 1 anticlockwise, the spring gets soft.
- Look up to down, turn the adjustor 1 clockwise, the spring gets harder.



Basic reference for rear spring pressure
1st grade (Full fuel, with driver of 85kg)
1st grade (Driver without loading)
3 rd grade (Driver with loading)
The 5th grade (The situation of passenger and luggage)

⚠ Caution
The tools on motorcycle can adjust the rear shock absorber, this work could also be done by VOGÉ dealer.

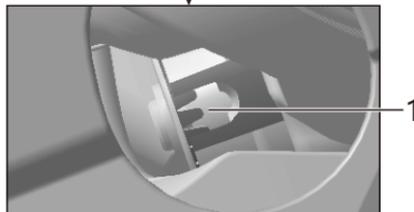
⚠ Danger
·Adjust rear shock absorber at will is not allowed, wrong adjustment is bad for your control. ·In case it is necessary, contact the VOGÉ dealer.

Adjustment for headlight

- All the height of headlight must be correct under any loading of shock absorber.
- To keep safe night driving, adjust the light angle of headlight to suit different loadings.
- The adjusting screw is at the lower rear of headlight, please align the adjusting hole of figure 1 by cross screwdriver.
- Turn clockwise to rise up.
- Turn anticlockwise to lower down.

 Danger

In case you don't know much about the height of light, please contact the VOGÉ dealer.



View for adjustment of light

Auxiliary turning light

The auxiliary turning light makes the light angle wider to make more safe of night turning. The auxiliary turning light works only when low beam is on. When the low beam is on, turn on the turning light switch, the corresponding auxiliary light gets on.

Motorcycle grinding-in

The grinding -in period is important to working life and fuel consumption, so before driving, read the User Manual carefully. (The correct driving within the first 1000km is good for motorcycle performance and bring you fun of driving.

The engine grinding-in

- No matter the engine is hot or cold, before starting, idly start the engine for enough time, to let oil spread to all positions need lubrication.
- Within grinding-in period, except the emergency, please avoid sudden acceleration or braking, and also please select turning or gentle slope, fast driving or heavy loading are not allowed.
- Please don't drive too far within grinding-in, let the engine have enough rest.

The tires grinding-in

- The surface of new tire is smooth, so it is dangerous to driving too fast or at turning. To get the strongest gripping force, the grinding-in is important.
- In the first 200km, you can drive at turning in low speed until all angles of tire tread completely grinded-in.
- The protrusion on tire tread is dangerous, the grinding is a good way for avoid protrusion on tire tread.

The brake system grinding-in

In the initial 500km, the new brake plate hasn't reached the best friction, to make up for braking loss, you can more powerfully draw the brake lever.

 Danger

To get the best tire grinding-in, in its first 200km, sudden acceleration, turning or braking are not allowed.

The driving

Before driving, make the inspections as below to reduce accident or damage:

•Steering system

- Flexible turning without jamming.
- No runout or flexibility on steering stem.

•Throttle

- Correct throttle cable clearance.
- Smooth operation without jamming.

•Brake assy

- The operation is normal.
- Correct brake liquid level in oil cup
- Clear pressing point in braking.
- No water and oil residual on brake plate and friction pad.

•Shock absorber

- Press down and normally return.

•Tire

- Correct tire pressure.
- No wear-out on tire tread.
- No damage or crack or tire surface.

•Oil in engine

- Correct oil level.

•Cooling system

- Correct coolant level.
- No coolant leakage.

•Light

- Headlight/Front position light, Tail light/Brake light, turning signal light, rear registration plate light and lighting lamp on instrument could normally get on.

•Indicating light

- Control through switch assy, the turning signal, high beam indicating light could normally work. The oil alarm light, engine malfunction light, water temperature light and fuel

- alarm light are not on or flashing when engine started.

•Horn

- Fine performance.

•Engine kill switch

- Fine performance.

•Side stand

- Normally pick up and lay down.
- Normal interlock with ignition switch.

•Back-view mirror

- Sit on the motorcycle to keep it upright, and could see a material with width of 4m and 10m to the tail of motorcycle from back view mirror.
- In case it could not be seen clearly, please adjust the angle of back-view mirror.

The engine starting

The side stand is picked up.

The kill switch is at "⊘".

The engine speed is less than 1000rpm.

All the conditions above reached, the left/right hand tightly hold the brake lever to make sure safe, the right hand press the electrical starting button "⚡", then slightly turn the throttle grip. When the engine started, release the electrical button immediately.

Start the engine and keep idling to fully pre-heat.

Danger

The emission gas of motorcycle includes CO, which is a gas without color, smell but poisonous. Idly run the engine in room without ventilation or poor ventilation is not allowed to avoid get poisoned.

Warning

Enough pre-heating makes better lubrication, to decrease engine abrasion, the colder the weather the more pre-heating minutes are needed. Long time idling working of engine is not allowed, because the poor heat radiation lead to engine overheated and damage the inner parts.

Under cold conditions, suitably turn the throttle grip while pressing the starting button to easier start.

The lubrication works only when the engine is running, so don't push the motorcycle forward for a long way when the engine is stopping. After the engine started, check the flashing or abnormal power on of indicating lights on instrument, in case it is, please top the engine and make corresponding inspection.

Driving on road

- Get on the motorcycle from left side and ride on.
- Pick up the side stand
- Get the motorcycle upright to the ground, get the handle bar face front, keep its wheel face forward.
- Tightly hold the brake lever.
- Slowly turn the throttle grip to accelerate, while slowly releasing the brake lever, the motorcycle slowly start.
- Wear helmet, gloves, driving boots, protective wear and pans before driving even only for a short driving.
- In case you drive fast, please pay attention to the factors below which bad for your driving.
 - Incorrect adjustment of spring of shock absorber.
 - Loose cloths.
 - Overload or imbalance load may be bad for your driving and controlling.
 - Don't drive after drink wines, drugs even medicines, even a few alcohol or medicine is bad for your sense and reflection.

Caution

This model equipped side stand/Ignition interlock, lay down the side stand, the engine stops immediately.

Danger

Before starting, please pick up the side stand, otherwise, when you turning left, the side stand may touch the ground and lead to accident.

Braking and parking

- Please decelerate first when braking to reduce the speed and use the front and rear brake at same time.
- When braking, your body get front and press down the front shock absorber, so there is more weight suddenly focus on the front wheel, so the front brake is more reliable, so the front brake is more powerful than the rear one and more easily get motorcycle stop.
- When you are driving on maintain way, use the rear brake only is dangerous, under some limit conditions, the brake may overheat and damage, please use the front, rear brakesand engine coordinately to decelerate.
- Driving in water and rain, the brake plate may get wet and reduce its braking performance, be careful under this situation.

Danger

When decelerating in high speed, in case singly use the front or rear brake, the motorcycle maybe easy to skid may get out of control, so please use them in a balancing way.

Warning

- After a long driving, when parking, because the engine is very hot at this moment, so keep it far away from kids to avoid hurt.
- Don't park the motorcycle on soft ground to avoid rollover even damage the motorcycle, in case parking on a gentle slope, let its head face to uphill to avoid the turning of side stand and rollover.
- Parking or running on combustibile materials such as dry grass is not allowed, because the three-way catalyzer is working under very high temperature which is very easy to light up the combustibile materials.

ABS system

Alarm light

When the ignition switch was on, the ABS alarm light on instrument panel start its self checking by flashing, when the speed is higher than 5km/h, the ABS alarm light goes off.

In case the ABS alarm light is permanently on, which means there is mal function in ABS system, at this moment, the ABS system could not be started and failed, but the basic braking system still works, which means this is a complete model without ABS system, under this case, if the speed is still under control, drive the motorcycle to VOGE dealer, if it is possible, send the motorcycle to the VOGE dealer by truck or dragging.

Danger

In case the alarm light is permanently on, normally because of the malfunction, at this moment, get the motorcycle power off, then power on. In case the light gets off when the speed was faster than 5km/h, which means the ABS normally works; In case the alarm light is still permanently on, which indicates the ABS is in malfunction, please repair.

The use of ABS system

Please brake the motorcycle as if there is without ABS system, when it is necessary, powerfully hold the front or rear brake lever to their limit or at same time, at this moment, the front or rear wheel won't lock up or get side skidding.

In case the model equipped the ABS system, the spot braking on the front or rear brake are both not allowed.

When the ABS begins working, the front or rear brake lever may have slight bounce, which means the ABS already began its work, this is a normal situation.

 Caution

Drive on the unpaved road, the ABS works more frequent than paved road, and the bounce on hand or foot may be stronger, meanwhile the braking distance will be longer.

The use can practice the ABS on safe area to set the feeling of ABS working and the braking distance under ABS working, this can make you fully use the ABS when met emergency.

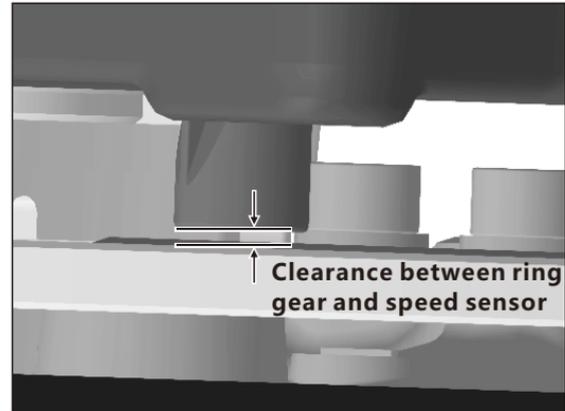
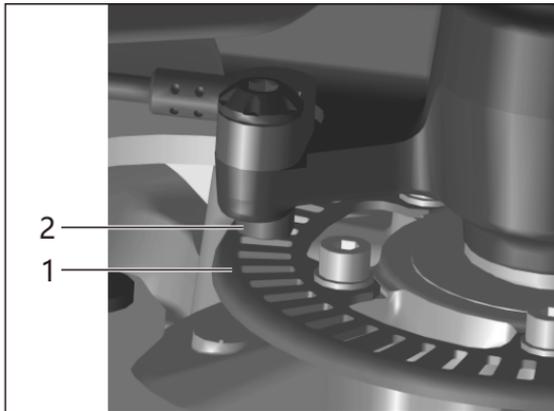
Under the situation of big speed differential such as balancing stunt, front or rear wheel lift up or rear wheel skidding, the alarm light of ABS may be on while the ABS failed, but after stopped for 1 minute and then open the ignition switch, the ABS may recover its normal performance.

In case the refit as user preference such as change the travel or hardness of shock absorber, the size of rims or tire of front & rear wheels, or the thread of tire, the specification of brake pads or incorrect tire pressure in the front or rear wheels, above all may lead to the ABS fail to play its best performance, so in case the parts above need be replaced, please contact the VOGE dealer to have these works done.

⚠ Warning

Install more powerful electrical parts is not allowed, which may lead to ABS power supply is not enough, also may lead to electromagnetic interference which produce poor wheel speed signal, who bad for ABS's work.

The head of speed sensor on both wheels are magnetic, please check the cleanliness on ring gear and surface of speed sensor, the clearance between the ring gear and detective head of sensor, and the flatness of ring gear, which make sure the normal signal of wheel speed, especially after the driving on road of bad conditions.



The clearance between the ring gear 1 and speed sensor 2: 0.2mm~1.2mm

TCS traction control system

Confirm the skidding differential according to speed differential, then compare the speed between the front and rear wheel, finally fix the stability margin of rear wheel. In case more than the stability margin, the control system may adjust the engine torque.

Caution

The operations of TCS under some special road conditions:

In case the front wheel gets off the ground under very high speed, the TCS may decrease the engine torque until the front wheel touched ground once again. Under this case, we suggest slightly return the throttle grip to get into stable driving once again as soon as possible.

Sudden acceleration under full throttle on smooth ground is not allowed, because the engine torque may lead to rear wheel skidding and make it unstable, which could not be controlled by TSC.

On the very soft ground such as sand or snow, the TCS can largely decrease the driving power of rear wheel even makes it stop, under this case, we suggest stop the TCS at the moment.

Except the road conditions above, for the safe driving, please always open the TCS.

The ON/OFF shift of TCS please refer to P12.

fuel

The fuel parameter when you purchasing the motorcycle is the most fuel saving way or under a fixed speed, which is quite different to your actual driving, which may be higher than the fuel parameter for reference only.

·The operations below may decrease the fuel consumption under correct driving:

–The driving shall be gentle, stable and without sudden braking as possible, the re-start and acceleration may use more fuel.

–Driving in the city is bad for fuel consumption, the frequent stop and move means frequent start of engine.

–The motorcycle shall usually drive in economic speed of 50Km/h, the speed raise from 60Km/h to 90Km/h may increase the fuel consumption by 86%.

–The instrument shows the average fuel consumption only, which related to driving habit, motorcycle and road conditions, which for reference only.

–Avoid driving for short distance. The fuel consumption in the first km after started is double times to normal situation due to the motorcycle hasn't reached the best working temperature.

–In case the air pressure in tire is not enough may increase the rolling resistance of wheel, and then increase the fuel consumption.

–Strictly follow the Period Maintenance table is important to save fuel.

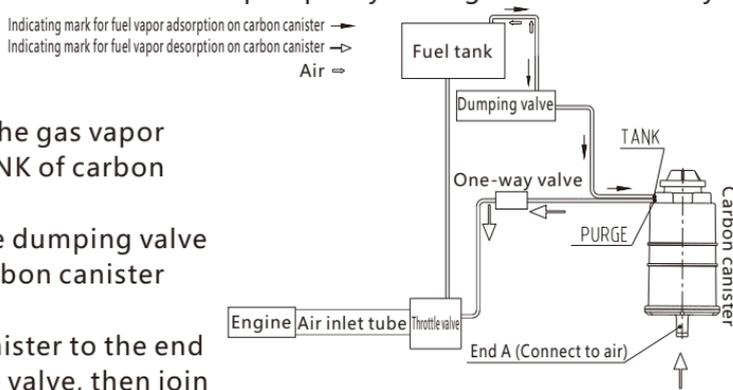
Except the causes above, you may become more skillful with the mileage rise, for more driving fun, you may usually make sudden acceleration or deceleration, at this moment, the fuel consumption uprises compare to your former stable and gentle driving, which actually because of your change of driving style.

The fuel evaporation

When the fuel evaporation system gets failed, please contact the VOGÉ service station. Refit on fuel evaporation system is not allowed, otherwise the emission may not meet the standard. After removal and repair, check the connection of tube joint, leakage of pipeline, or block; Check the squeeze, crack or damage on rubber hose. The fuel vapor was released into carbon canister though the desorption tube, when the engine stopped, the activated carbon in the canister absorb the fuel vapor; When the engine is working, the fuel vapor in the carbon canister releases into combustion chamber through desorption tube join the combustion, which prevent the fuel vapor get into air directly to be pollution. The absorbing tube also make the air pressure in fuel tank get balanced, when the air pressure in fuel tank was lower than air outside, supplement the air pressure through the absorbing tube on carbon canister; In this case, please make sure all the tube smooth without blocking and squeeze, make sure the correct installation of anti-toppling valve, otherwise the fuel pump may damage or fuel tank may get distortion even damage other parts.

The fuel evaporation control system works as below:

- (1)When the gasoline in fuel tank get heated, the gas vapor get out, absorbed after get though the end TANK of carbon canister of dumping valve.
- (2)When the motorcycle inclined over 60° , the dumping valve gets closed, the gasoline failed to flow into carbon canister through dumping valve.
- (3)The fresh air flow from end A of carbon cannister to the end PURGE to bring the gas vapor into throttle valve, then join combustion by getting though the air inlet tube.



Indicating figure for controlling system of fuel vapor

Three-way catalyst

There is three-way catalyst in air exhausting system, which reduce the harmful agent in emission gas. The bad engine working may damage the three-way catalyst, so the actions below need be followed:

- When the engine works unstably, please contact VOGÉ dealer as soon as possible.
- When the fuel alarm light is on, fill up the fuel as quick as possible, too low the fuel level may lead to unstable fuel supply.
- Don't start the engine by pushing or dragging the motorcycle.
- Cut off the ignition when it is in idling only.

Troubleshooting

The content of troubleshooting help you check the normal malfunctions, of course they are only basic judge, in case still failed, please send the motorcycle to VOGÉ dealer.

Engine starting failure

- Please check if the kill switch is on, the brake lever is tightly held, or the side stand is picked up.
- If the fuel is enough.
- If the power in battery is enough.

Difficult engine starting

- If it is in cold temperature, in case it is, slightly turn the throttle when starting.
- Battery power loss: Confirm if it needs to replace the battery.
- Too thick the oil; Confirm if the oil need be replaced.

Weak engine power

- Check if the element of air filter is clean.
- If the motorcycle is at high altitude.
- Incorrect check and adjustment may damage your motorcycle .

In case you don't know much about the correct operation, please contact the VOGÉ dealer.

Warning

The three-way catalyst is fragile and expensive, please adopt the gasoline without lead, in case the gasoline with lead adopted, it may damage the three-way catalyst and other important parts.

Danger

Driving or parking on combustible material such as dry grass is not allowed, the working temperature of three-way catalyst is very high, it may catch fire if drive or park on combustible material.

Inspection and maintenance

Tools on the motorcycle

The tools are in the bag under seat, open the seat lock, the tools bag could be seen.

After driving under bad conditions, make lubrication after washed up or driving in the rain.

For safe driving, good lubrication on moving parts makes longer working life.

The lubricating point of daily inspection is as below:

–Shaft of brake lever.

–Side stand shaft and hook for its spring.

Maintenance for battery

The battery on this model is completely free of maintenance which needn't check the electrolyte level and its ratio, but need to check the power charging periodically.



In case it is possible, charge the new battery by 30 minutes for the first time, which could effectively make working life longer.

The power charge for battery

In case the ignition lock is off, while the voltage of battery is lower than 12.6V, we suggest charge the battery.

·Charge the battery by stable DC power source or use the suitable power charger and strictly follow its instruction.

·The DC charging voltage shall be DC (14.5±0.3)V with current no more than 1A.

- The charging hours is 6 to 8, don't let the current than the maximum limit.
- The overcharging may shorten the batter working life, so don't adopt this way.
- Cut off the power circuit with motorcycle before charging.

·Usually check the cleanliness of terminal or wire joint, in case already corroded or oxidized, please clean it up.

·In case the motorcycle is usually in driving, the motorcycle may charge the battery automatically.

In case just a few times or driving for short time, the power in battery may not be enough. The battery may discharge by itself, whose speed depends on the battery specification or surrounding temperature. When the surrounding temperature gets rise, the discharge speeds up, for example, the discharge speeds up by 100% with each temperature rise by 15°C.

·In case the battery is without suitable charge in cold weather, the electrolyte may get frozen, then makes the battery damage or terminal distort, make the battery full of power can let it stronger in low temperature.

·Parking for a long time without driving need to cut off the negative terminal of battery first, otherwise the electrical parts on the circuit may gradually make power run out.

·Parking without driving more than 1 month need to charge the battery monthly. In case the battery is without charging for a long time may lead to natural failure.

·Correctly dispose the abandoned battery or electrolyte, don't let it be the pollution to the environment.

 Danger

The battery may produce hydrogen, so keep it far way to heat source of park.

Wipe up by dry cloth may produce spark of static electricity, t avoid this, please adopt wet one.

Disassembly and re-assembly for battery

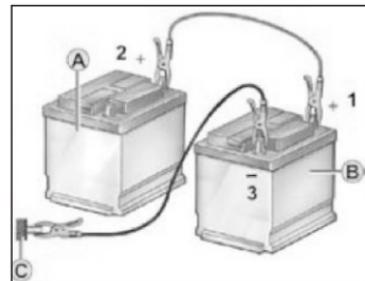
- Before the disassembly and re-assembly, turn off the ignition switch first.
- Remove the negative terminal first when disassembling the battery, then the positive one.
- Install the positive terminal first when re-assembling, then the negative one.
- Turn the bolt onto the nut of battery first before taking out the battery to avoid the nut dropping off when removing the battery.
- After connected the battery again, the former saved tire pressure may be erased, the tire pressure updates automatically when the speed is more than 25Km/h, so it need to connect the APP of driving recorder to keep its same time. Connect the WIFI of instrument to keep its same time.

The use of outer power source

- When the power in battery fail to start engine, the outerpower source could be adopted for engine starting.
 - When the outer power source is adopted, use the wire clip for spring only of completely insulated to avoid short cut or non-jump spark between guiding wires.
- The battery A is the power source on motorcycle while the battery B is an outer one. The positive terminal 1 on outer power source B connect to positive terminal 2 on power source A on motorcycle, while the negative terminal 3 connect to the metallic part C on engine to connect the ground. Start the engine, in case failed, wait for minutes and then start once again to protect the engine and battery.
- Before removing the guiding wire of outer power source, let engine run for minutes, then cut off the negative wire and ground wire first, then the positive wire.

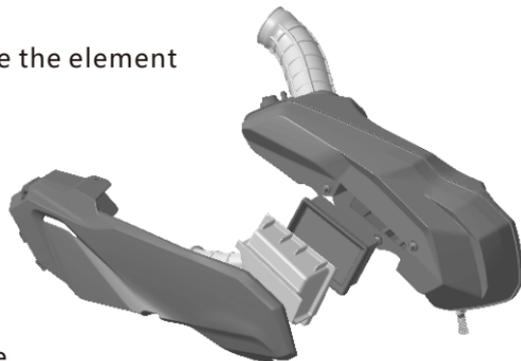
⚠ Warning

Don't oppositely put the battery, otherwise the electrolyte may flow out from the breathing hole.



The maintenance for air filter

- The air filter is under the luggage case, if it is blocked by dust, the air inlet may get harder, which reduce power output and increase fuel consumption.
- In case driving under dusty condition, clean up and replace the element more frequent.
- The cleaning up and replacement for air filter element:
 - Remove the protective plate of air filter first.
 - Remove the pressing plate for element.
 - Remove the element.
 - Carefully clean up the element of air filter by compressed air.
- The broken element may let dust get into engine and make engine damage, so please replace the broken one.
- In case the element is installed in wrong position, the dust may bypass the element and get into engine then get engine damaged, so please install it in place.



Caution

When cleaning up the element, the blowing air shall inlet from the side of putting element into its chamber in air filter, in case get in from another side, the dust may stay in the clearance of element, which largely reduce the effect of cleaning up.

The maintenance for oil in engine

The oil can make sure the effective lubrication for parts in the engine, besides more, the oil helps cooling down the engine, in addition, the oil is also good for sealing the engine, so the maintenance of oil is very important.

Check the oil level

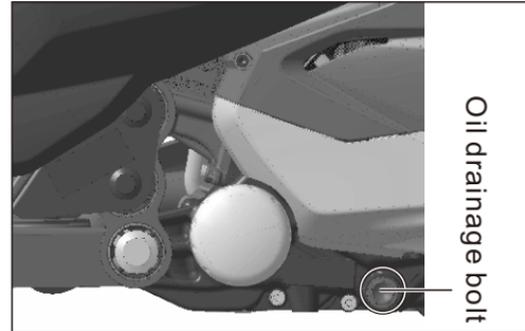
- The oil inspection window and filling up port are both at the right cover of engine.
- The checking for oil level:
 - Do this work when the engine is cold.
 - Keep the motorcycle upright.
 - Check the oil level from the view window.
 - The correct level shall be within the upper and lower scale lines of oil view window.
- In case the oil level is higher than upper line, outlet some oil.
- In case the oil level is lower than the lower line, inlet some oil.
- No matter inlet or outlet, check the oil level once again when the operation finished.

·Outlet the oil:

–In case too high the oil level, please remove the oil drainage bolt by socket wrench (The bolt position shows as picture, at the lower left side of engine.

–Outlet some oil then re-assemble the oil drainage bolt. Too high or low the oil level may both damage the engine.

Please make sure the oil is at a correct level.



 Caution

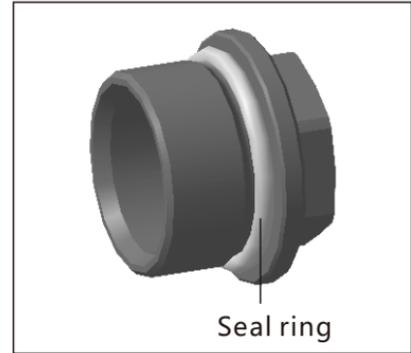
The oil may expand with temperature rise, so its level also changes.

The hotter the engine the higher the oil level, while the colder engine with lower oil level, which both are normal.

Keep the motorcycle upright when checking the oil level, in another word is vertical to the ground.

Replacement for engine oil

- Replace the engine oil when maintenance period reached.
 - Replace the oil when engine is hot to totally drain off the old oil.
 - The replacement for oil:
 - Keep the motorcycle upright by standing rack.
 - Turn the cap of oil filling-up port anticlockwise.
 - Lay an oil tray under oil drainage bolt, then remove the bolt by tools and drain off the old oil.
- Fasten the oil drainage bolt before filling up with new oil.



Warning

Replace the oil drainage bolt and its seal ring for a new one when re-assembling, in case still use the old one, it is easy to make oil leakage.

Danger

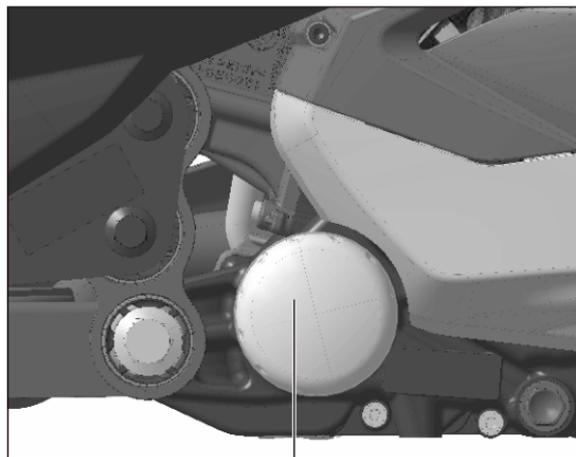
Drain off the oil when the engine is hot makes total drainage, but the hot oil and muffler may get user hurt, so before the drainage, wait for the bolt and muffler basically cooled down.

Replacement for oil element

·Replace the oil element when maintenance period reached.

Replacement for oil element of engine:

- 1.Replace when the oil in engine have been drained off.
- 2.Remove the oil element of engine by special tools, then drain off the oil.
- 3.Replace the oil element for a new one.
- 4.Re-assemble the oil element, please coat the seal ring and its surrounding with oil, this is important, otherwise this position may have oil leakage.



Oil element

Warning

The incorrect oil element may badly damage then engine, so please adopt the parts made in VOGÉ only.

Oil filling up

- Confirm the oil element already replaced.
- Confirm the oil drainage bolt and seal ring are both replaced and re-assembled.
- Fill up with new oil of VOGÉ brand by 1800ml the first time, then check the oil view hole, the oil level shall be between the scale lines MAX and MIN, then screw up the cap if filling-up port. Then make engine run under different rotation speeds for 5 minutes, while checking the leakage when engine is running.
- Finally check the oil level.

Caution

Oil specification: SAE 5W-40-SJ or above Dispose the replaced old oil and element in environmental friendly way Volume of filling up: 1.8L

Warning

Wrong oil specification or bad oil may damage the engine, EFI system and shorten the working life of spark plug and catalyst in muffler.

Check and maintenance for coolant

The coolant can radiate the heat for hot parts in engine and keep its normal working temperature.

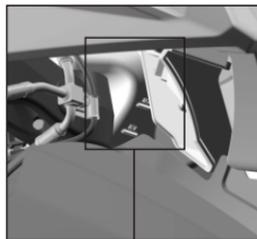
·The check and filling-up of coolant are all done in sub tank.

The check for coolant:

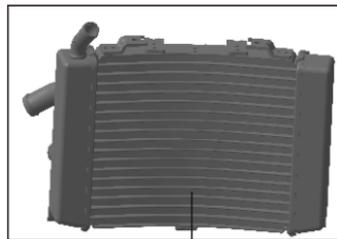
- 1.Check when the engine is cold, because the coolant may expand when it got hot.
- 2.Stop the engine.
- 3.Keep the motorcycle upright.
- 4.Check the coolant level through sub tank, whose level shall be between the scale line LOWER and UPPER.

The maintenance for coolant:

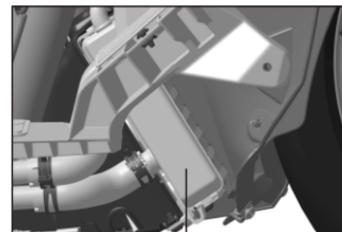
- 1.In case the coolant level is under scale mark LOWER, fill up from the port of sub tank.
- 2.In case the coolant level is higher than scale mark UPPER, the coolant may overflow from tube when it got hot and expand in working, for avoid hurting by hot coolant, fill up too much is not allowed.
- 3.In case the motorcycle need fill up the coolant frequently, which means there is malfunction in the cooling system, under this case, please contact the VOGÉ dealer.



Sub tank



Tank



Tank

Warning

When the sub tank is totally dried up, don't fill up coolant by yourself, because under this case, the air may already get into the cooling system and need to be exhausted, so please contact the VOGÉ dealer for maintenance.

The replacement for coolant

·The coolant drainage:

- Keep the motorcycle upright by standing rack.
- Lay a liquid tray under the engine.
- Remove the water drainage bolt (Figure 1), because all the heat radiation system is connected, so all the coolant may flow out from this port.
- After the old coolant drained off, install and fasten the water drainage bolt in place.

·The coolant filling-up:

- The coolant need be filled up from the heat radiator and expansion tank the two positions.
- Open the tank cap (Figure 2) of heat radiator and fill up with the coolant.
- Check the full filling-up of coolant from the tank cap of heat radiator, pinch the water tube (Figure 4) when filling up to exhaust until it is full, then well cover the tank cap.
- After the tank's cap of heat radiator covered, start and run the engine for 30 seconds to make the coolant fully reach every position need it.
- Make the engine stop, after the engine cooled down, open once again the tank's cap of heat radiator, check if the coolant already was full, in case the level fell down, please fill up once again until it is full, then well cover the tank's cover of heat radiator, repeat this action until it gets full, in case it is necessary, it may need to repeat two times or more.
- Remove the white rubber cap (Figure 3) of expansion tank, then fill up with coolant through special rubber tube to the level between scale mark UPPER and LOWER.

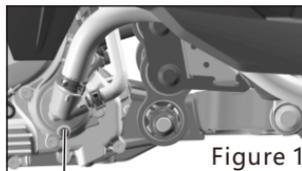


Figure 1

Drainage bolt

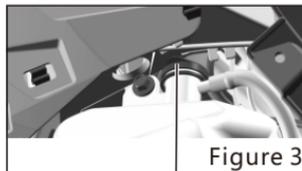


Figure 3

Rubber cap

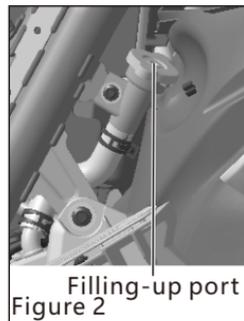


Figure 2

Filling-up port



Figure 4

Inlet tube Outlet tube

 Warning

Fill up with running water is not allowed, otherwise it may damage the cooling system, the mixture among coolant of different brand of specification is not allowed.

·In case the air temperature is lower than the one marked up on the label, please adopt the coolant fits for lower temperature.

·The VOGÉ coolant is with ice point of -45°C with ethylene glycol, so we suggest purchase or replace by Made in VOGÉ.

 Caution

To keep the coolant performance, replace each two years.

Coolant specification: VOGÉ coolant is with ice point of -45°C with ethylene glycol

The filling-up volume: 1.4L

Dispose the replaced old coolant in environment friendly way.

 Danger

When filling up the coolant, in case open the tank's cap of heat radiator after engine started, please let the engine cool down first, otherwise the hot coolant may inject out and make you hurt when you opening the cap of heat radiator.

Maintenance for brake liquid

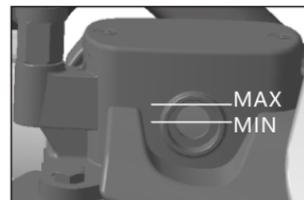
The brake liquid is an important part in hydraulic system for power transmission, so it need be reliable under high, low temperature or flowing performance at low temperature and good in anti-corrosive, so please adopt the correct one.

Check the brake liquid

- Too low the liquid level in brake oil cup may let air get into brake system to reduce the braking performance. So please periodically check the liquid level.
- Check and fill up the brake liquid shall conduct at the front and rear oil cup.
- The liquid level shall not be higher than mark (MAX) , when it lower than mark (MIN) please fill up immediately.
- The brake liquid is corrosive, which is bad for the surface of plastic or paint.

⚠ Warning

In case the filling-up of brake liquid is needed, open the cap of oil cup by yourself may let air and moisture in, which largely reduce the braking performance even failure, so please contact VOGÉ dealer to do this work.



The specification of brake liquid

- When there is impurity or moisture in the brake liquid, please filter or replace, otherwise it may reduce the pressure for braking and make bad braking performance, especially in wet weather or place.
- The brake liquid works more than 2 years, it may get bad due to the long work, please replace immediately.

The specification for brake liquid is: DOT4.

Please dispose the replaced old liquid in environment friendly way.

⚠ Caution

Mixture of brake liquid among different brand and specification is not allowed due to the different formula of different brake liquid may let the braking performance fall down.

Tire maintenance

The tire connects the motorcycle and ground, it is very important, the incorrect specification and status is very bad for motorcycle performance.

The tire pressure in tire

- The wrong tire pressure makes its working lifeshorter.
- Too low the tire pressure makes difficult turning, and speed up the tire wear-out.
- Too high the tire pressure decreases the contact area between tire and ground, which is easy to skid and out of control.
- When driving in high speed, the centrifugal force may open the air valve core on the tire, to avoid the sudden air leakage, we equip it a cap and connect with air valve core by thread.

·The pressure of tire's air charging rises with tire temperature, so adjust the tire charging pressure when it is cold and its temperature almost the same with surroundings.

Check the limit of tire wear-out

- The tire surface is with the mark of wear-out.
- In case the tire tread already reached the mark, which means the tire could not be used any more.
- The wear-out mark is near the TWI mark at tire edge, the wear-out mark is in the water drainage groove on tire tread, which is a protrusion, when the protrusion is worn out, means the tire already worn out and need to be replaced.
- The worn out tire may get penetrated and bring motorcycle out of control.

62 ·When the depth of tire tread reached the minimum limit, its performance and gripping force may largely fall down.

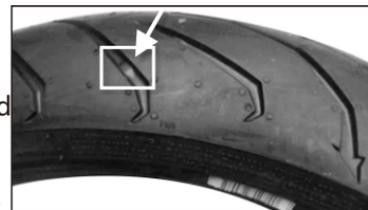
⚠ Danger

The incorrect tire pressure is not only bad for performance, but also lead to accident. Overloading may lead to tire failure and bring motorcycle out of control.

Make monthly inspection on tire pressure

Under normal temperature, please check the tire pressure as table below.

	Drive only	With passenger
Front	220KPa	240KPa
Rear	240KPa	260KPa



The repair for tire

- Repair the small hole on tubeless tire, please remove the tire first, patch up inside of tire without outside, because the high speed driving may lead the outside patch outside flexible under centrifugal force.
- Within 24 hours after patched up, the max speed shall not be higher than 80km/h.
- In case the side of tire get broken while the breaking size is bigger than 6mm, the tire could not be used any more.
- When removing the tire, please protect the sensor of tire pressure.
- In case many damages such as damage, scratch or wear-out were found on the tire, the tire need be replaced.

The replacement for tire

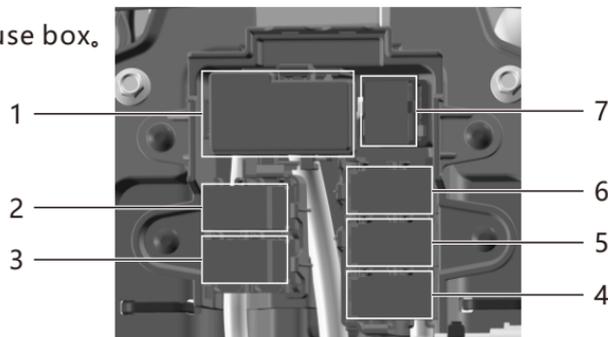
- When replacing the tire, two tires on one motorcycle with different brand, specification, tire tread or 1 new while another is old are all not allowed.
- After the tire replaced, the motorcycle needs to make dynamic balance and alignment, in case the dynamic balance is poor, the operation performance of motorcycle may fall down, also makes uneven wear-out on tire.
- The rolling direction of tire has the mark arrow, turn the tire along this direction only, which make sure water & skidding proof, improve gripping force, reduce noise and make working life longer, get the tire performance better.
- The tires with given specification are all strictly tested, who meet the demands of most road conditions, while the ones without test can't make sure the safety and suitability.
- Seal the contact position between the wheel rim and tire lip of tubeless tire.
- To avoid air leakage, the tubeless tire needs special tool and machine for disassembly and re-assembly, while pay attention to protect the tire pressure sensor.

- The tire replacement need be done by VOGE dealer, they are skillful and with necessary tools or machine.
- In case the tire pressure sensor need be replaced, after that, it need be matched once again.

Relay/Fuse

This model equipped 5 relays, 1 main fuse (30A), and a fuse box.

1. Fuse box
- 2.Main relay for motorcycle
- 3.Relay for external equipment
- 4.Oil pump relay
- 5.Electrical fan's relay
- 6.Main relay for EFI
- 7.Main fuse



Fuse chip

This model includes 1 main fuse, 5 sub fuse and 2 spare fuse (10A and 7.5A).

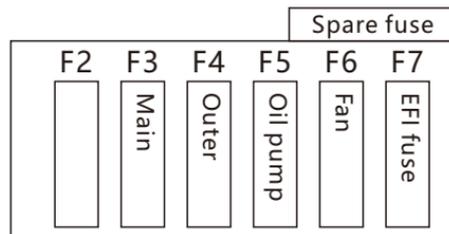
F3: Main fuse (10A), connect to switch assy., brake switch, front luggage case lock and USB.

F4: The fuse (A)for reserve wire for external connecting equipment, connect the reserving wire for external equipment.

F5: Oil pump (5A), connect to oil pump.

F6: Electrical fan (7.5A), connect to the fan.

F7: Main fuse of EFI (7.5A), connect to engine controller, oxygen sensor, ignition coil and nozzle.



 Danger

In case the fuse chip usually burns out in short time, which indicates there is malfunction in electrical system, please contact the VOGÉ dealer immediately.

·Please use the fuse chip with given specification, substitution such as aluminum sheet or iron wire are not allowed.

·Connect the fuse chip out of our suggestion is not allowed, otherwise it is very bad for circuit even catch fire or burn out the motorcycle.

Brake pads

The abrasion of brake pad passed the min. thickness limit may lead to poor braking performance, under some cases, it may lead to brake system damage. For the reliability for braking, the abrasion passed Min. thickness limit is not allowed.

Replacement for brake pad

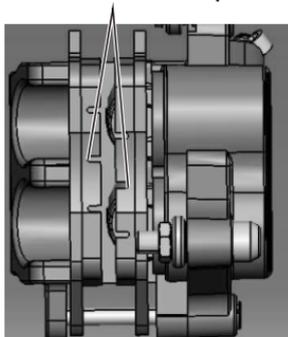
The correct replacement needs to remove the wheels, so this work shall be done by VOGÉ dealer.

·No matter the front or rear brake pads, replace them in pairs as a set, in case only replace one piece of them, it may make imbalance brake even accident.

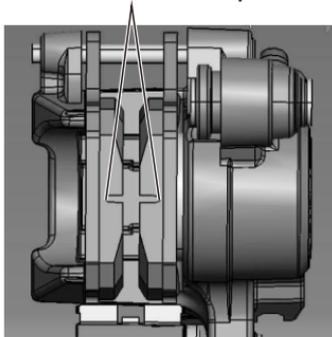
·After the brake pads removed, don't operate the brake lever, otherwise the brake piston may return hardly, meanwhile making leakage of brake liquid.

·The oil or other dirt touches brake pad and plate when replacing is not allowed, in case if there is, please clean it up, otherwise it may make poor braking performance.

Limit for front pad:



Limit for rear pad:



⚠ Danger

When replaced for new pads, please repeatedly confirm the left and right brake lever, confirm the pads tightly press the brake plate, meanwhile confirm the free travel of left and right brake lever.

The replacement for light signal

·If there is no light signal, you may be in danger, because the light helps others easily pay attention to you and your motorcycle.

Please replace the broken lights.

·The headlight, front position light, turning signal light, rear position light, brake light and registration plate light are all LED and sealed, in case broken, go to the service station for replacement.

·Follow the (P71) description and specifications when replacing lamps

·The dirt especially the grease on light's surface may be bad for heat radiation, which lead to light overheat even reduce its working life.

⚠ Warning

When a signal light is broken, replace for a new one with completely same rating power and specification, otherwise the different one may lead to electrical circuit overload or light broken very early.

The storage and clean for motorcycle

The storage

- In case the motorcycle needs to park for a period without driving, the special maintenance is necessary, which need some special tools, equipment or technologies, because of this, we suggest these works shall be done by VOGÉ dealers.
- If your prefer to do these works by yourself, please do as below:
 - Totally replace for new oil.
 - Block the air inlet port of air filter and exhaust port of muffler by cloth with new oil, to avoid moisture get into engine.
 - Totally drain off the fuel in the fuel tank.
 - Remove the battery, then wash its surface by neutral soap water, meanwhile cleaning up the oxidizing material on its terminals.
 - Store the battery in a room with temperature above 0°C.
 - Adjust the tire pressure to stipulated one.
 - Totally wash up the motorcycle.
 - Spray the protective agent on rubber parts' surface
 - Spread the protective wax for auto on the covering parts of this motorcycle
 - Finally well cover the motorcycle by dry cloth and park the place with fine air ventilation.

 Caution

Charge the battery monthly

The re-use

- Totally clean up the motorcycle.
- Remove the cloth blocked the air inlet port of air filter and exhaust port of muffler.
- Totally replace the oil in engine and oil element.
- Re-install the battery. ·Start the motorcycle.

The protective maintenance

- According to the daily driving, usually wash the motorcycle and keep it clean and dry.
- Wash up the dirt, bird shit, asphalt or salt on motorcycle surface as quick as possible.
- Try best to cover the motorcycle by dry cloth, long time exposed under sunshine may make covering parts get aged or color fading.

The cleaning up for motorcycle

- Wash the motorcycle by cold water.
- Totally wash up the motorcycle by soft cloth and neutral cleanser.
- Don't wash the motorcycle by spray.
- Don't wash the motorcycle by high pressure water.
- When driving motorcycle in low temperature, high moisture, rain or after washed, there may be some moisture in the lights, turn on the light for a while the moisture may disappear, because there is design of ventilation hole, which are normal.



The wet brake may have poor braking performance, so please repeatedly test the brake system after motorcycle washed, and fast dry it up.

Refit and accessories

Refit by VOGÉ produced parts and accessories are allowed.

·You can buy the parts, components and accessories Made in VOGÉ from VOGÉ dealers, also there will be specialized workers to introduce you the installation and use.

·We take responsibility for these parts Made in VOGÉ and whose safety, performance and matching ability have been tested, otherwise, we don't take responsibility for the parts and accessories without authorization.

·Any time when you need to replace some parts, please follow the requirement of laws, and make sure your motorcycle won't break laws, regulations and specifications.

 Danger

Refit and electrical control system and its parts at will may lead to motorcycle damage or accident.

The recall

In case there is bad defects on motorcycle, we may recall the motorcycle according to related requirement, please cooperate with us.

Motorcycle parameters

Parameters	
L×W×H	2185mm×805mm×1390mm
Wheel base	1565mm
Seat height	761mm
Ground clearance	167mm
Curb weight	214kg
Loading	201kg
Max. weight	415kg
Front wheel load	148kg
Rear wheel load	267kg
Max. speed	129km/h
Max. gradeability	≥32°
Braking deceleration	GB20073
Fuel consumption	≤3.47L/100km
Fuel tank capacity	1.3L
Coolant volume	1.4L
CVT belt type	V-shaped
Suspension/brake	
Front shock absorber	Traction tube of hydraulic/Travel 112mm
Rear shock absorber	Double supporting case/Travel 127mm
Front wheel hub	3.5×15
Rear wheel hub	4.25×14
Front tire specification	120/70-15 (56 S)
Rear tire specification	150/70-14/ C (66 S)
Front brake	Double plate, 4 pistons, fixed caliper/Plate diameter 265mm
Rear brake	Single plate, 1 piston, floating caliper/Plate diameter 265mm
ABS	Double passage anti-lock up system

Engine	
Engine type	1 cylinder, 4 strokes, water cooled, SOHC, 4 valves
Bore x stroke	80mm×69.6mm
Displacement	349.8ml
Compression ratio	11.5 :1
Inlet valve clearance	(0.16-0.24)mm
Exhaust valve clearance	(0.34-0.42)mm
Spark plug gap	0.8mm-1.0mm
Spark plug type	LMAR8J-9E
Max. net power/Rotation	25Kw/7500rpm
Max. torque/Rotariion	35N-m/6000rpm
Idling speed	(1450±100)r/min
Gear box type	CVT gear box
Clutch type	Dry and centrifugal clutch
Oil capacity	1.9L (10W-40 SL)
Fuel supply	EFI
Transmission	
Transmission	0.692
End transmission	8.713
1 st gear	/
2 nd gear	/
3 rd gear	/
4 th gear	/
5 th gear	/
6 th gear	/

Electrical system	
Battery type	12V8Ah
Headlight (High/Low beam)	12V 48W/22.44W
Front position light	12V 10.44W
Rear position light	12V 0.3W
Rear brake light	12V 2.748W
Front turning signal light	12V 9.6W
Rear turning signal light	12V 1.596W
Rear registration plate light	12V 0.527W
Specification for piece fuse	30A、 10A、 7.5A、 5A

- Please carefully and strictly make periodic maintenance according to requirement of this book.
- The maintenance in the table only the least user needs to do. In case your motorcycle is usually driving under bad conditions, the maintenance shall be more frequent than the table.
- After a long driving in sandy weather or muddy road, the special maintenance is necessary.
- We suggest this kind of work shall be done by VOGÉ dealer.
- Correctly dispose the abandoned materials such as cleanser or waste oil, don't let them to be pollutions.
- The key for correct maintenance is the spare parts, in case you fail to confirm who made the parts, this kind of parts may lead to accident.
- We suggest this kind of work shall be done by VOGÉ dealer.

Maintenance plan

The table below shows you the inspection for each periodic maintenance, whose interval of time and mileage, set whom reached first as standard, and make the inspection as table below every time.

Periodic Maintenance table								
	Items	Interval	km×1000					
			1	5	10	15	20	25
Power part	Oil in engine	1 year	R	\	R	\	R	\
	Secondary oil filter	1 year	R	\	R	\	R	\
	Check oil level		I	I	I	I	I	I
	Check the seal of fuel pipeline		\	I	I	I	I	I
	Check the fuel pump		\	\	I	\	I	\
	Throttle set and breathing tube of crankcase		\	\	C	\	C	\
	Coolant level checking		I	I	I	I	I	I
	Coolant	2 years	\	\	\	\	\	\
	CVT wash and checking		\	\	I	\	I	\
	CVT belt		\	\	\	\	R	I
	Valve clearance		\	\	\	\	I	\
	Spark plug		\	\	\	\	R	\
	Element of air filter		\	\	R	\	R	\
	Oil in gear box		\	\	\	\	\	\
	Throttle operation system		A	A	A	A	A	A
Lubrication	lubrication and tightness of steering bearing		I	\	L	I	L	I
	Check the lubrication of front & rear wheel bearing		\	L	L	L	L	L
	Check lubrication for main stand and side stand shaft		\	L	L	L	L	L
	Check the lubrication for brake lever shaft		\	L	L	L	L	L
	Check lubrication of main and front body of engine holder		\	L	L	L	L	L
	Battery voltage		\	I	I	I	I	I
	Sealing performance for brake oil tube		I	I	I	I	I	I
	Brake liquid	2 years	I	I	I	I	I	I
	Brake liquid level		I	I	I	I	I	I
	Front and rear braking pads		I	I	I	R	I	I
Others	Front and rear brake switch		I	I	I	I	I	I
	Check the fuel evaporation system		I	I	I	I	I	I
	Routine check for key fastening parts (Refer to table)		I	I	I	I	I	I
	Check the leakage on the front and rear shock absorber		I	I	I	I	I	I
	The meaning of symbols: I: Inspect. C: Clean. R: Replace. A: Adjust. L: Lubricate.							

Routine check table for key fastening parts

Ref.No.	Position of fastening peice	Thread	Quantity	Torque (N.m)
1	Front wheel axle	M12	1	32N.m
2	Front wheel axle lock up	M8	2	19N.m
3	Front brake caliper and shock absorber	M8	4	32N.m
4	Right body of rear fork and engine	M10	2	38N.m
5	Engine and frame	M16	1	180N.m
6	Engine damping jacket and frame	M12	4	100N.m
7	Front body of engine holder and the frame	M12	1	110N.m
8	Front body of engine holder and main body of engine holder	M14	2	180N.m
9	Fastening for rear shock absorber	M10	4	38N.m
10	Locking nut of rear wheel	M16	1	115N.m

