

# USER'S MANUAL

**TOGO - 800T**

**TOGO MOTORCYCLE**





**800T**

# 800T



Security Warning sign: This means that you need to be aware that your security may be compromised



Warning signs: Failure to follow warning signs may result in serious injury or death

CAUTION

Note the sign: Measures must be taken to avoid damaging the motorcycle.

NOTE :

Note the logo: Provides some key information

NOTE :

- This manual should be considered a permanent part of the vehicle and should be attached to the vehicle when it is transferred to another person
- The company continuously pursues the continuous improvement of product design and quality. Therefore, this manual contains the latest product data, descriptions, specifications and pictures at the time of printing, but it may be slightly different from your motorcycle, if you have any questions about this manual, please consult the TOGO Motorcycle dealer, TOGO Motorcycle reserves the right to change the parameters and other items without prior notice
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 WARNING

Please read this manual carefully and do not operate your motorcycle until you have safe and proper driving skills. Regular inspection and careful maintenance, as well as good driving skills, will ensure that you operate the vehicle safely

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Motorcycles belong to motor vehicles, driving such vehicles, require certain driving skills and knowledge of the relevant locomotive, the dealer should inform the driver of the following content.

Drivers should know:

- Master the control of all parts of the motorcycle.
- Pay attention to the information in the warning and maintenance section of the manual.
- Motorcycle drivers must pass the examination of the traffic management department and obtain a driving license before driving motorcycles, and it is strictly prohibited to drive without a license.
- Some simple basic problems of motorcycles can be solved through the vehicle instruction manual.

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## Safe riding

- Before driving the motorcycle, carefully read the "pre-driving inspection" and check the vehicle first, so that accidents can be prevented.
- This motorcycle can only carry the driver and one occupant, a total of two people.
- Motorcycles due to small size, often due to the line of sight, resulting in accidents between motorcycles and cars. Many of these accidents are caused by drivers failing to spot their motorcycles. Therefore, the driver can make the motorcycle more visible, which can reduce the probability of such accidents.

## As a result:

- Wear distinctive clothing, drivers must wear motorcycle clothing and protective equipment, and passengers must dress neatly and compact.
- When driving through an intersection, in these accident-prone areas, pay extra attention to other cars and make sure other drivers can see you.
- When driving, make sure you are in the field of view of other drivers and avoid the blind spot area of other drivers.
- Do not get too close to other motor vehicles, use turn signals, horns and other signal devices correctly, and strictly abide by traffic rules.



Dress correctly



Dress incorrectly



Dress incorrectly

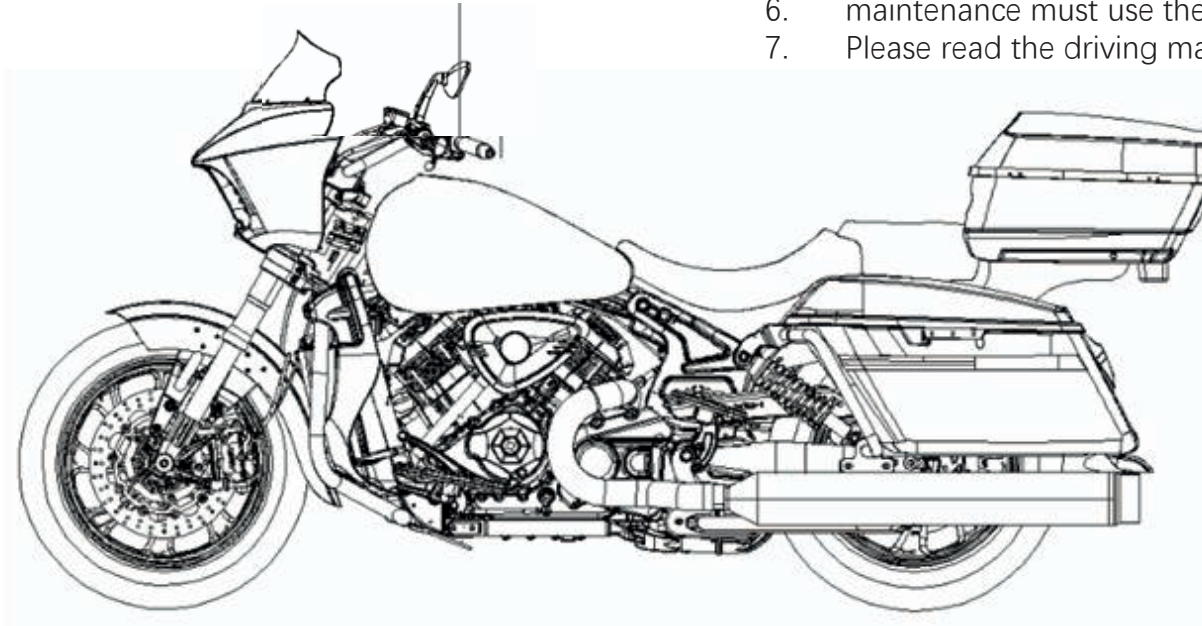


## Location of important motorcycle tags

Please read the label information in the figure below carefully before operating the truck

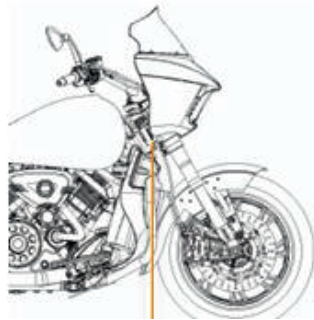
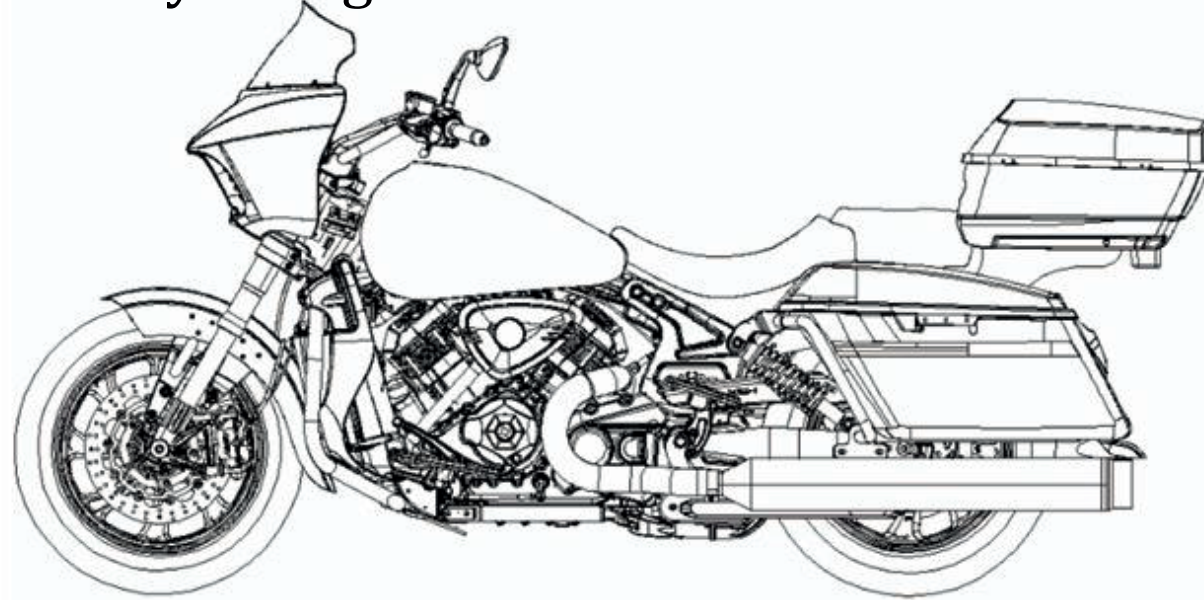
### Notes:

1. To drive a motor vehicle, a motor vehicle driving license shall be obtained according to law.
2. When motor vehicles are driving, motorcycle drivers and passengers should wear safety helmets according to regulations.
3. do not exceed the legal speed when driving.
4. In order to ensure the safety of the driver and others, no modification is allowed.
5. Please be sure to go to the designated maintenance department for repair and maintenance.
6. maintenance must use the factory or original parts.
7. Please read the driving manual carefully to ensure driving safety.

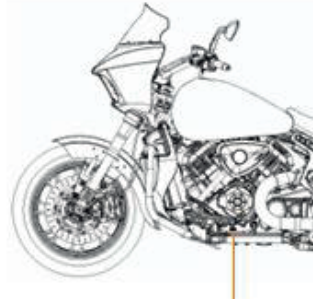


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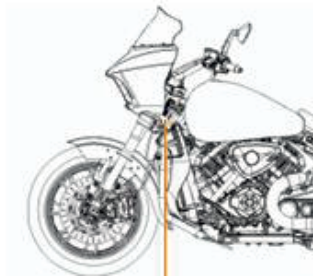
## Location of important motorcycle tags



The Vehicle Identification number (VIP) is engraved on the right side of the single front



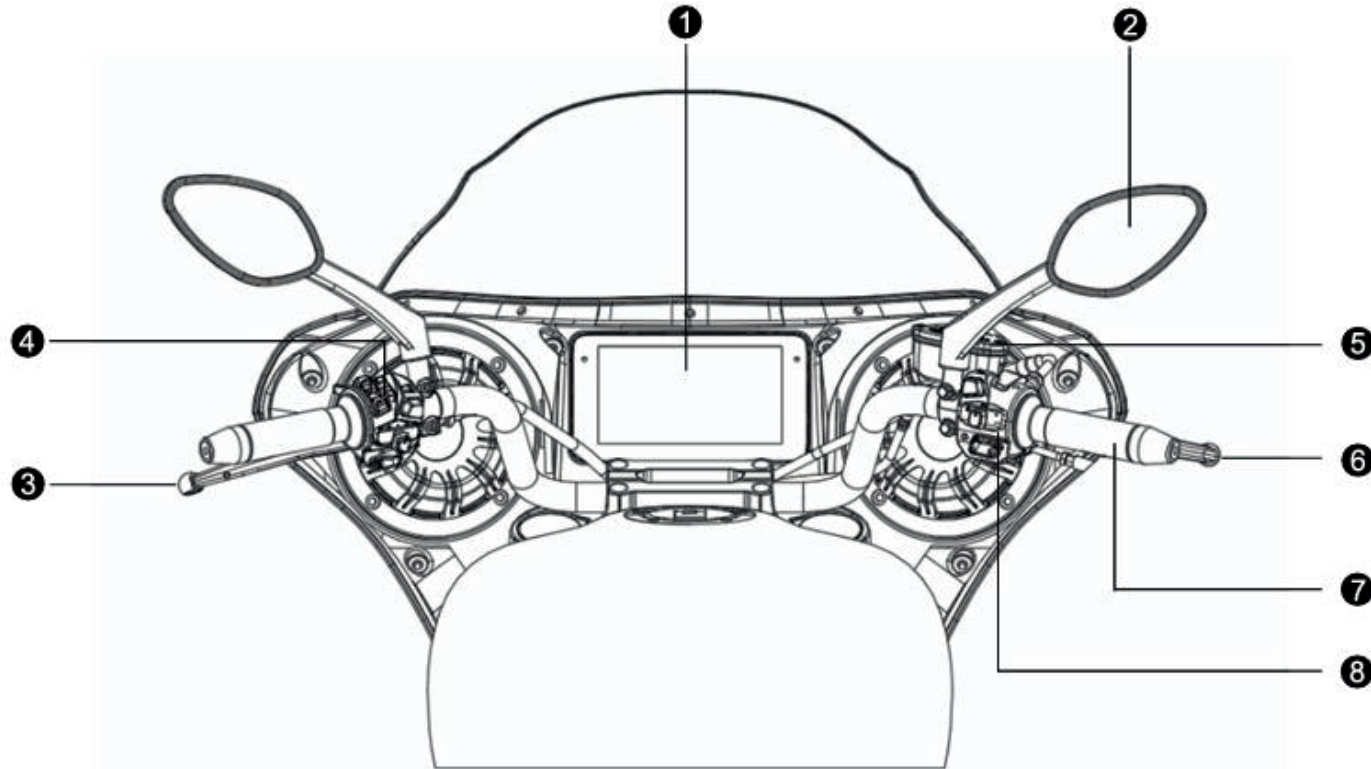
Engine identification number is engraved on the lower left side of the crankcase



Vehicle nameplate information is engraved on the left side of the front

# 800T

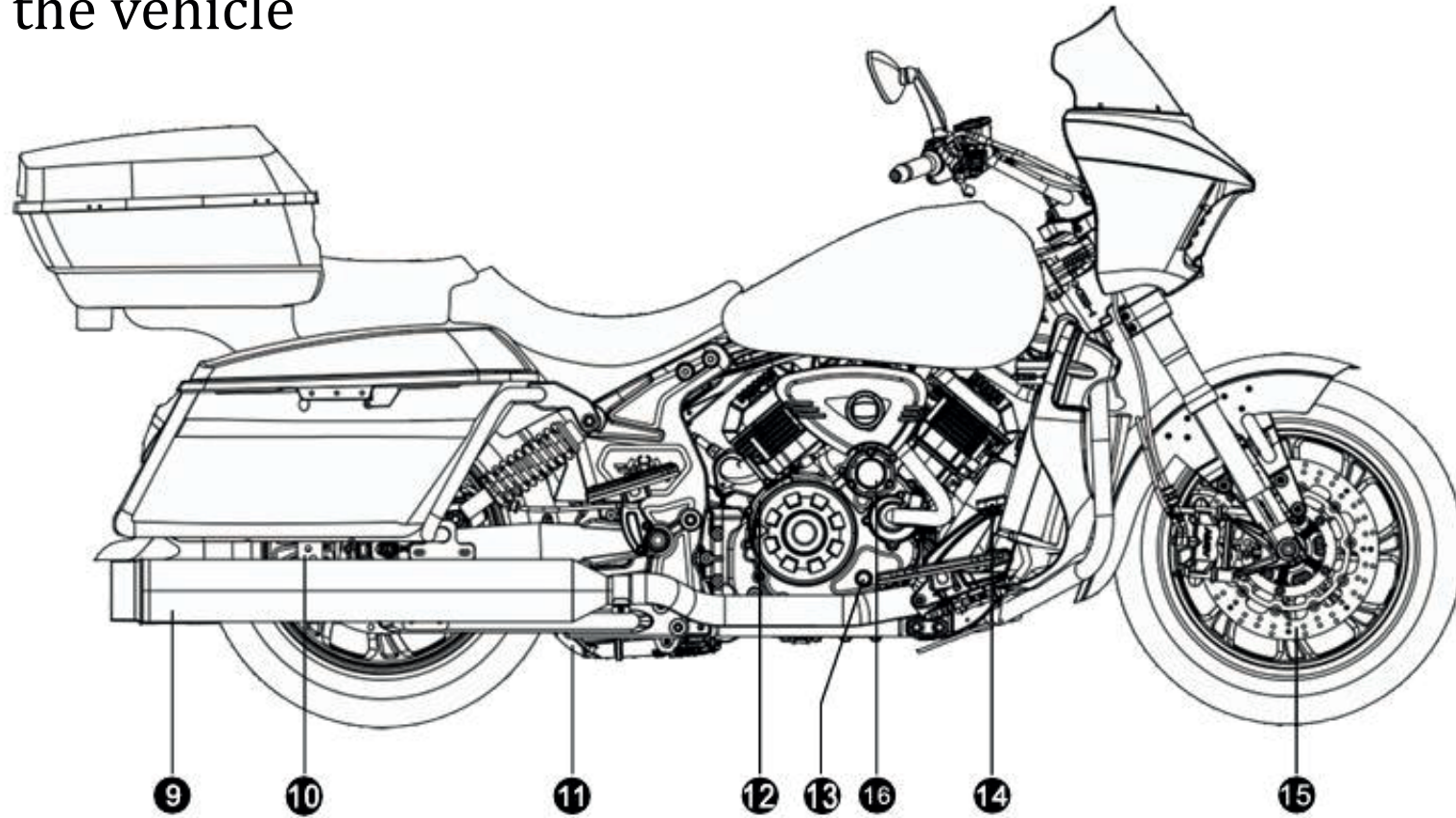
## Controls and instrument



- ① LCD Instrument    ② Rearview Mirror    ③ Clutch handle    ④ Left-handed handle switch  
⑤ Front brake oil cup    ⑥ Front brake handle    ⑦ Throttle control lever    ⑧ Right-handed handle switch

# 800T

The right side of the vehicle



⑨ Muffler

⑩ Rear disc brake

⑪ Side stop bracket

⑫ Oil filling port

⑬ Oil level viewer

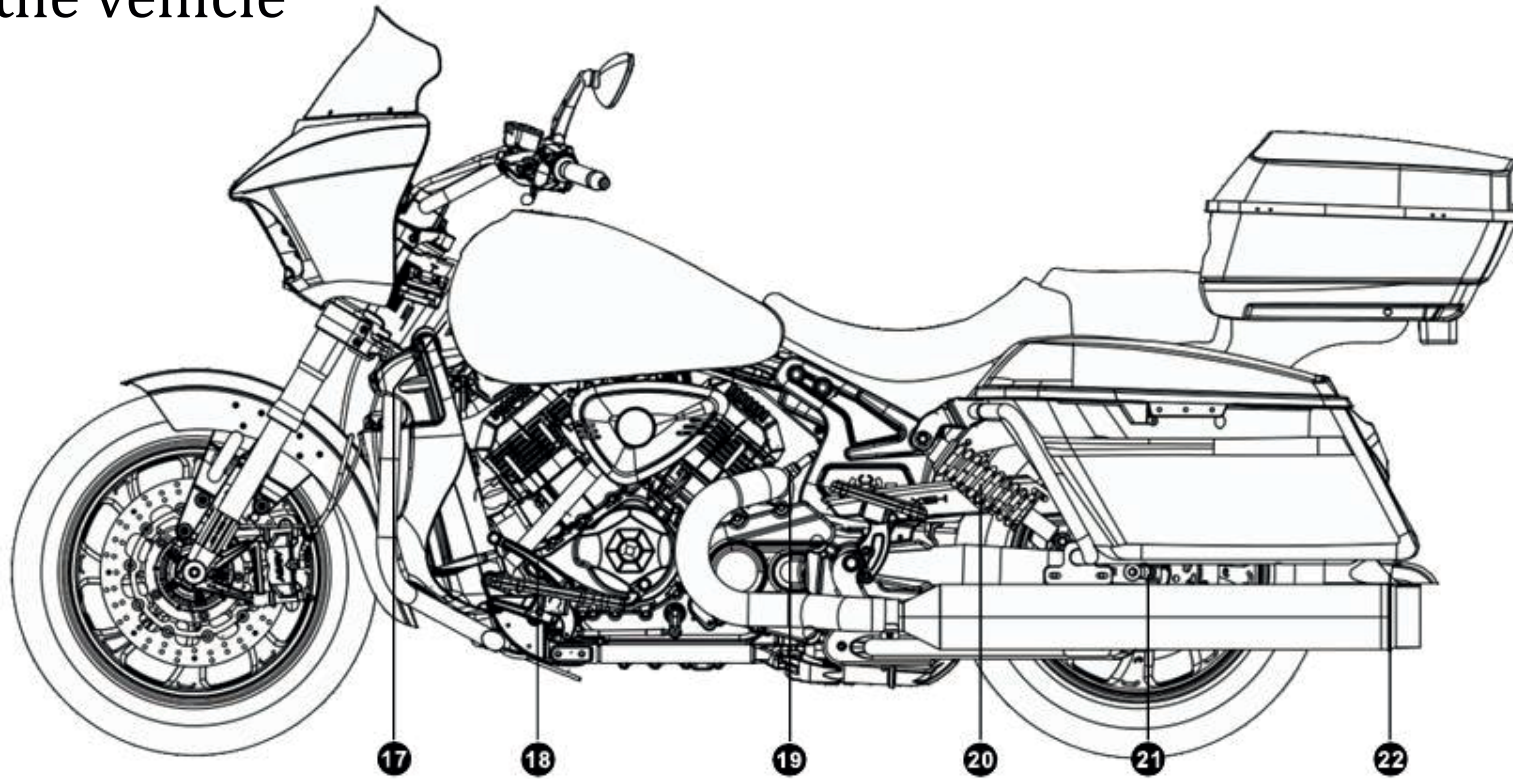
⑭ Rear brake pedal

⑮ Front disc brake

⑯ Oil filter

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The left side of the vehicle



- ①7 Air filter      ①8 Shift pedal lever      ①9 Oxygen sensor      ②0 Rear shock absorber  
②1 Rear shock absorber      ②2 License plate mounting rack

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- ① Water temperature display
- ② Left turn signal on
- ③ Tachometer
- ④ Speed display
- ⑤ Tire pressure alarm
- ⑥ Light switch
- ⑦ Oil pressure warning
- ⑧ Voltage display
- ⑨ Total mileage display
- ⑩ Time display
- ⑪ Real-time tire pressure switch
- ⑫ High beam switch
- ⑬ Neutral cue
- ⑭ volume readout
- ⑮ Right turn signal
- ⑯ Speedometer
- ⑰ Speed indication
- ⑱ Bluetooth connection
- ⑲ ABS failure light
- ⑳ trouble light
- ㉑ Short distance mileage display

# 800T

## WARNING

Do not use a high pressure water gun to flush the meter directly. Do not wipe the instrument with a cloth stained with organic solvents such as gasoline, kerosene, alcohol, brake fluid, or the instrument will have local cracks or discolouring due to contact with organic solvent

### ① Water temperature display

- Displays the current water temperature. When the water temperature is too high, the water temperature alarm light will turn on. Please check the cooling system

### ②⑮ Turn left and right cue light on

### ③④ Engine speed recorder

- Displays the engine speed, indicating the number of revolutions per minute the engine shaft rotates. 8000-12000rpm is the red warning zone for engine speed (red zone)

### ⑤ Tire pressure warning light

### ⑥ Light switch

### ⑦ Oil pressure warning light

- This warning light comes on when the oil level is too low. When the key is in the open position, you can check whether this light is blinking due to wiring problems. If this warning light does not go out after blinking for several seconds, please contact or go to the Xiangshuai Heavy motorcycle dealer.

## NOTE :

Even if the oil level is sufficient, the warning light may flash on a slope, or during sudden acceleration or deceleration, which is not a fault

## WARNING

Always check the engine oil to make sure it is up to standard oil level

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- ⑧ Voltage display (Flashing symbol when battery voltage is below 11V)
- ⑨⑫ Mileage display (ODO total mileage display, TRIP short distance mileage display 999KM automatically cleared. Long press the SET key to clear the current short distance mileage record)

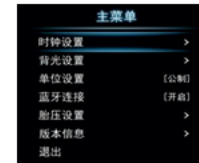


Press Answer to enter the Settings menu  
按接听进入设置菜单  
挂断键可进行主菜单下一行命令

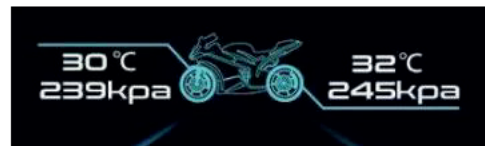


The Hang up key is used to perform the next line of commands in the main menu

- ⑩ Time display (Time is displayed on 12/24 hour basis)



- ⑪ Real tire pressure (when the tire pressure is 220kpa or higher than 250kpa, the corresponding tire indicator gives a red alarm)



- ⑫ High beam switch



- ⑬ Gear display (shows the current gear of the motorcycle)





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⑭ Fuel level display (shows the amount of fuel currently stored in the tank. The fuel gauge shows that 6 cells are full and flashes when the fuel is consumed to the last cell.)



## CAUTION

It is necessary to ensure sufficient fuel in the fuel tank. When the fuel consumption of the fuel tank is exhausted, the fuel pump will idle, which may damage the fuel pump.

⑮ ⑯ Speedometer (Shows current speed)

⑰ Bluetooth connection The JY900 instrument Bluetooth and multimedia Bluetooth cannot be connected at the same time.

Caller Identification



Bluetooth

⑱ ABS failure light (When the vehicle is powered on and started, the ABS light will turn on. When the vehicle speed reaches 10KM/h, the ABS light will automatically turn off. If it does not turn off, it indicates a fault. Please contact or go to Xiangshuai Heavy Motorcycle service outlet for repair.)



## WARNING

If ABS warning light:

- Does not light up when the motor vehicle is powered on
- Flashes during driving
- ABS may fail, please contact or go to Xiangshuai heavy motorcycle service outlets for repair.

⑳ Electric injection failure light

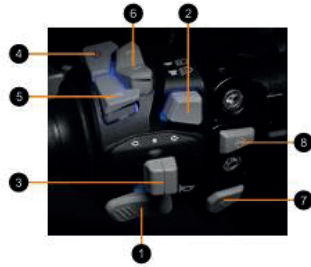
When the vehicle is powered on, the fault light is steady on, and the fault light is off after the vehicle is started, and the state is normal.

When the failure light is not on after the vehicle is powered on, it indicates that the current vehicle failure light is abnormal. Please contact or go to the Xiangshuai Heavy motorcycle after-sales service outlet for maintenance.

When the fault light is still on after the vehicle is started, it indicates that the EFI system is faulty. Do not start the ride, please contact or go to the Xiangshuai heavy motorcycle service outlet for maintenance

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## Left Switch

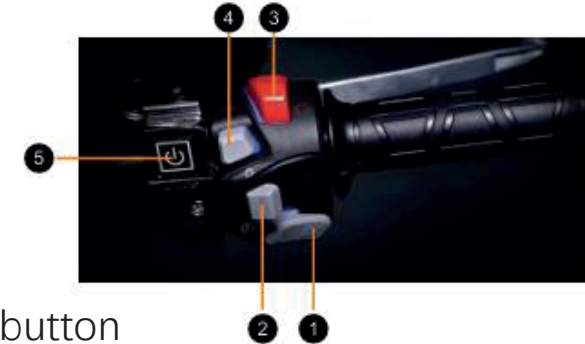


- ①Horn button
- ②Headlight switch
- ③Indicator control
- ④Audio switch "Short press to turn on Long press to turn off"
- ⑤Pause/Play key
- ⑥Switch songs  
Press and hold + to increase the volume. Press and hold - to reduce the volume.
- ⑦Instrument menu key
- ⑧Option key

## Bluetooth Connection

- Audio switch "Short press to start" After starting up, the default mode is the last shutdown mode.
- If an external USB flash drive is connected, the "USB flash Drive mode" is played by default after the boot.
- In Radio Mode without USB flash drive, press the power button once to switch to Bluetooth mode. Open the phone and search for Bluetooth "SYH-BT" connection.

## Right Switch



- ①Start button
- ②Head lamp switch
- ③Flame rollout switch
- ④Emergency flasher
- ⑤Handle heating

## Handle heating

- Long press for 3 seconds to turn on, short press to switch.
- Three sections adjustable, power 32W "green section 50%" "Blue section 75%" "Red section 100%"

Handlebar switch is optional for some models  
Standard version, some functions are not common, please consult Xiangshuai heavy motorcycle after-sales network for details.

## Dashboard camera



1

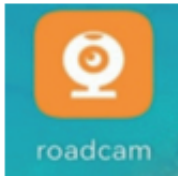
Front camera



2

Rear camera

① In the mobile APP Store, download the app "roadcam"



② Open the WIFI Settings list of your phone, find the connection named "XS800-2F", Default password: 1234567890

③ After the connection is successful, return to the APP home page and follow the steps to query the driving information. It comes with U3 high-speed version TF32G/ memory card, and t Navigation indication he video record is covered once in about 8 hours.

④ When the power recorder of the vehicle is turned on, the recording will be stopped after the main power is turned off.

## Navigation indication

① Use mobile phone to identify QR code and download APP "MiMotor"

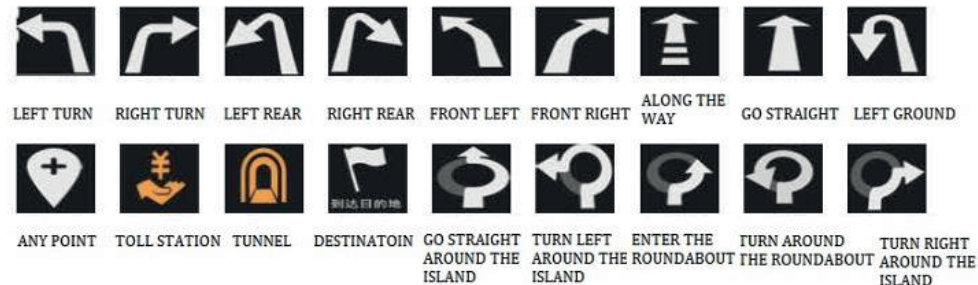


② After the Bluetooth connection between the phone and the instrument is successful, open the specified navigation APP, search for the destination selection line and start navigation. At this time, the instrument obtains the navigation information of the phone through Bluetooth, and displays the corresponding navigation icon and distance on the instrument.



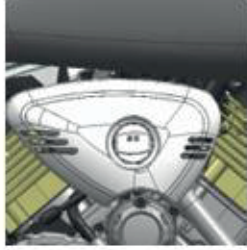
③ During the navigation, the navigation screen will be overwritten by the call screen. After the call is over, the navigation screen will be restored

**After the navigation is enabled, the simple arrow navigation icon and distance information are displayed on the main interface of the instrument.**



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## Power lock



The power lock controls the ignition and lighting system, which is described as follows:

### Main power on

All electrical lines, instrument lighting, taillights, auxiliary lights, position lights, etc. are in working condition, and the engine can be started at this time.

### Main power off

All electrical systems will be shut down.

## Steering lock

Lock the steering mechanism. The steering mechanism is locked and the key can be removed

### Steering lock follows



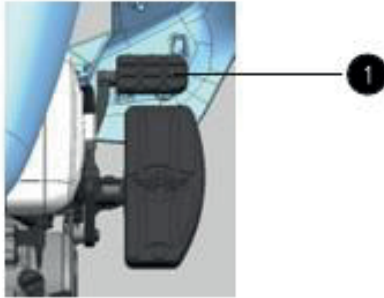
1. Turn the vehicle faucet to the left, turn the key to the clockwise position, and lock the steering lock. Turn the key counterclockwise to release the steering lock.



Do not rotate the main power supply to the main power off position while the vehicle is driving, otherwise the circuit system will be turned off. The behavior will likely cause the vehicle to lose control of the accident.

Please ensure that the vehicle is stopped, turn off the flame switch, turn the power lock back to the middle gear, and turn off the power.

## Rear brake lever



The rear brake lever is located on the right side of the body, next to the engine. Step on the brake lever when the rear brake is required. Rear brake lever equipped with position adjusting bolts. To adjust the free travel of the rear brake lever, adjust the adjusting bolt, and maintain the appropriate travel.

## Front brake handle



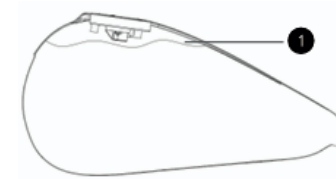
The front brake handle is located to the right of the handle. If you need to brake forward, hold this brake handle.

## Fuel tank cover



Open the fuel tank cap, insert the key clockwise turn, the fuel tank cap automatically pop out. The key cannot be removed at this time. Close the fuel tank cap, press the fuel tank cap towards the fuel tank port, and remove the key when you hear the sound of the fuel tank cap sticking to the clip position.

## Fuel tank



### ⚠ WARNING

- Do not overfuel, to avoid the overflow of fuel flow to the high-temperature engine. The oil level must not exceed the tank port. NoThe fuel oil will overflow after thermal expansion, which will lead to failure and damage of the carbon tank.
- Turn off the engine when adding fuel, and make sure that the flameout open is in the closed state. Do not approach fireworks.
- Some precautions should be taken when adding fuel. When refueling, the engine should be turned off in a ventilated place to ensure that there is no heat source aroundAnd the source of fire.

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## CAUTION

If any gasoline spills, immediately wipe off the spilled gasoline with a clean, dry, soft cloth, as the gasoline may corrode the painted surface and paint plastic parts.

## NOTE :

Tank capacity: 18.0L

Recommended fuel: 92# and above unleaded gasoline

The vehicle is designed to run on unleaded gasoline above 92#. Long-term use of gasoline below 92# will shorten the service life of the engine.

## catalytic converter

The motorcycle has been equipped with an exhaust muffler with a catalytic converter

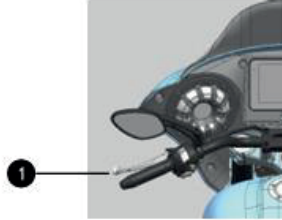
## WARNING

When the engine is running, the exhaust system temperature is high, and when maintaining the exhaust muffler, it is necessary to ensure that the muffler has cooled, or you can burn yourself.

## CAUTION

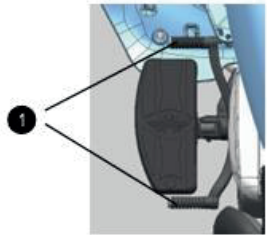
The following precautions must be followed to prevent fire or other damage. Use only unleaded gasoline; using leaded gasoline can cause irreparable damage to the catalytic converter. Do not park your vehicle near any fire hazard and do not allow the engine to idle for long periods of time.

## Clutch handle



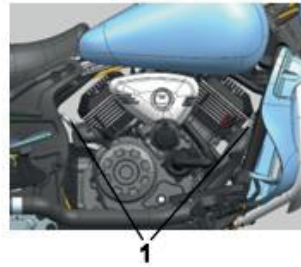
When starting the engine or shifting gears, grip this handle to disengage the clutch friction plate to cut off power transmission

## Shift pedal lever



The motorcycle is equipped with a six-speed gear transmission, which can be shifted by pressing the front and rear handlebars, which will return to the original position by themselves. In exchangePlease control the corresponding engine speed when the gear is set. This prevents unnecessary wear and tear on driveline components.

## Oxygen sensor



The motorcycle has been equipped with oxygen sensors to reduce exhaust pollutants produced by exhaust gases

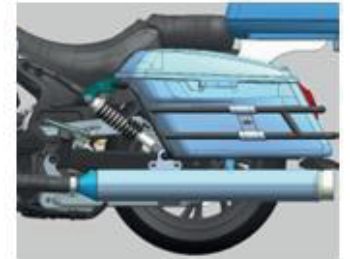
## Carbon tank



This motorcycle is equipped with activated carbon tank, which can avoid oil and gas emissions into the atmosphere. Please check at the specified mileage or time.

Check the connection of each pipe. Check each pipe and activated carbon tank for cracks and damage. Replace if damaged. Make sure the hose is not blocked and clean it as needed.

## Rear shock absorber assembly



The adjustment of the rear shock absorber can be adjusted according to different road surfaces and driving conditions. Adjustment method: First, loosen the compression nut on the shock absorber, and then adjust the nut clockwise to make it harder and counterclockwise to make it softer. Adjust the nut up and down to adapt to different driving conditions. Driving requirements. After adjustment, tighten the compression nut together

## Single support

The single support is located on the left side of the vehicle, please pay attention to the flat parking position when using, and put the single support down with your feet



Please do not ride this motorcycle when the single brace is down or cannot be pushed up, otherwise the single brace will come into contact with the ground, causing the driver to lose control due to distraction. Equipped with a single strut ignition switch, when the single strut is not fully retracted or lowered, the vehicle's circuit will be disconnected and unable to start.



## Oil pump

This motorcycle uses an oil pump to supply fuel. Turn on the throttle lock and ignition switch, and the oil pump will stop working after running for 2-3 seconds. After the engine starts, the oil pump keeps working. After running out of fuel, the oil pump may spin and cause damage. Please pay attention to the indicated position of the oil level gauge and add fuel before running out of fuel.

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### CAUTION

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Please use 92# and above unleaded gasoline. Long-term use of low-grade gasoline will damage the engine and the EFI fuel injection system

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Be sure to check the following carefully before driving

if the motorcycle is not well checked before driving and is not properly maintained, it will increase the chance of accidents and the chance of damage to the motorcycle. The motorcycle must be inspected before each use to make sure it is safe to operate. Refer to the section on inspection and maintenance in this instruction manual. If the motorcycle uses improper tires, or operates the motorcycle incorrectly, or the tire pressure is incorrect, you will lose control of the motorcycle. Be sure to use tires of the size and specifications specified in this instruction manual. Proper tire pressure must be maintained in accordance with the requirements of the inspection and maintenance section.

1. Check the oil level of the engine oil: add lubricating oil as needed;

2. Check whether there is fuel leakage

3. Check the front and rear brake: check the action of the front and rear brake, the free stroke is too large or too small should be adjusted, check whether there is no holding or braking;

4. Check the tire: check the air pressure and wear loss of the front and rear tires, should be inflated or repaired if necessary

5. Check the throttle control: check the action of the throttle handle, the connection of the operation line and the free travel of the handle, adjust or replace if necessary :

6. Check the lighting and signal: check the performance of the headlights, taillights, turn signals and horns is good, It shall be adjusted if necessary;

7. Check the drive chain: check the tension and lubrication of the chain. Should be replaced if seriously worn or damaged;

8. Check the steering control mechanism: check the flexibility and stability of the control, should be adjusted if necessary :

9. Check the engine: check the engine is abnormal

10. Check the instrument: each indicator light is normal, if necessary to correct :

11. Check the fasteners of the vehicle: confirm all fasteners are tight, if necessary tightening :

12. Check the single stand off switch: check whether the ignition cut-off system is normal, if not normal, please go to the Xiangshuai heavy motorcycle dealer or service outlet repair.

## NOTE :

The importance of these inspections must not be overlooked. Complete all inspections and necessary repairs before driving.



## WARNING

Please turn off the engine for inspection.

 **WARNING**

- If you are driving this type of car for the first time, we recommend that you practice on non-public roads until you are familiar with the control methods and handling methods of the car. It is very dangerous to drive with one hand, so you should hold the handlebars firmly with both hands and feet on the trestles.
- Under no circumstances should you drive with your hands off the handle.
- Slow down to a safe speed before you turn.
- The road surface is wet and smooth, the tire friction is small, and the braking ability and turning ability are naturally reduced, so it is necessary to slow down in advance.
- Cross winds are usually most likely to occur at tunnel exits, valleys, or when large vehicles are passing from behind, so you must be careful to calm down and slow down.
- Obey traffic rules and limit speed.

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## Starting of engine

Power on the whole vehicle, check whether the engine shutdown switch is in the 0 position, then your motorcycle is in the neutral position, the neutral indicator light on the dial will be lit

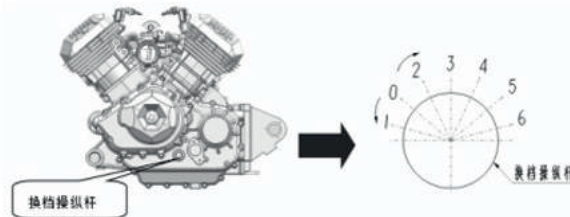
 **WARNING**

Get into the habit of putting the gear in neutral when starting, returning the throttle to the bottom, and clenching the clutch handle before starting. Avoid rushing forward when starting in case something goes wrong. When starting, you must grip the clutch handle or keep the engine in neutral, otherwise you can't start, and don't forget to fold the side parking frame. Do not start the motorcycle without fuel oil.

## WARNING

The higher the speed, the braking distance will be lengthened accordingly. When driving, pay attention to maintain a certain safe braking distance with the front car, the use of front braking or rear braking alone is very dangerous, this braking method is easy to cause the vehicle to slip out of control.

## Shift lever



- The engine has a total of six gears, using international gear, step on first gear and hook on second gear with your foot. The relationship between the gears is shown in the figure above: Step on or hook the gear shift lever to change the appropriate gear.

## CAUTION

When the gear is in neutral, the neutral indicator is also lit to confirm whether it is really in neutral position. Please release the clutch slowly.

## Selection of lubricating oil

Lubricating oil is an important factor affecting the performance and life of the engine, must be selected according to the regulations, can not use inferior oil, gearOil, vegetable oil, etc. Engine oil should be used API classification of SL products above, its brand is 10W/40 (room temperature) or 0W/30 (winter). If you want to change to other lubricants, the quality grade must reach SL or above, and the viscosity should be selected according to different regions and temperature changes. When replacing the lubricating oil, please drain the old lubricating oil in the crankcase, and then fill the new lubricating oil according to the regulations.

## NOTE :

For the waste lubricating oil, do not directly dump, should be recovered after unified treatment to avoid pollution to the environment.

## Tire pressure and load

- The correct tire pressure and correct tire load are important factors. Overloading can cause tire failure and cause the motorcycle to lose control. Check the tire pressure before each use of the motorcycle to determine the tire pressure. Before driving, check and adjust the tire pressure. After driving, the tire will heat up and the tire pressure will increase.
- Low tire pressure can make it difficult to turn, resulting in accelerated tire wear. The tire pressure is too high, the contact area between the tire and the ground is reduced, and it is easy to slip and lose control. Recommended tire pressure at room temperature :250kPa.

## WARNING

Failure to pay attention to the following matters may cause accidents due to tire failure. The tires connect the motorcycle to the ground and are very important.

Follow the following rules:

- Check the tire condition and tire pressure, adjust the tire pressure before each use of the motorcycle to avoid motorcycle overload.
- Replace the tire when the tire is worn to the limit or when there are cracks and wounds on the tire surface. Always use tires of the specifications and sizes specified in this instruction manual.
- Read this section of the instruction manual carefully. If the tire running-in is not good, it will cause the tire to slip and lose control. Driving must be extra careful when the car is using new tires.

Check the tire pressure regularly and keep the tire pressure within the recommended range. When you feel the tire pressure drop, check the wheel. Whether there are nails on the tire, small holes, whether the rim side is damaged, and whether the air nozzle core is leaking.

## Tire storage

When the motorcycle is not used for a period of time, the tire pressure needs to be adjusted to the specified pressure. Tires are semi-hot melt rubber products, not suitable for outdoor storage or use in cold temperatures, otherwise it will cause the product to freeze and crack, please store in a constant temperature place or indoor.

## Tire condition and specifications

Incorrect tire condition and specifications affect the performance of motorcycles. Damaged or scratched tires can cause tire failure and cause the vehicle to lose control. Excessive wear on tires can cause them to puncture and cause the vehicle to lose control. Tire wear also affects the appearance of tires and alters their operational performance. Check the condition and air pressure of the tires before each use. If there are many obvious damages on the tire, such as damage, scratches, or if the tire is worn to its extreme position, it must be replaced.

### NOTE :

When replacing a tire, make sure the size and model of the replacement tire conform to the contents of the list below. If you replace a different size or a different type of tire, it will affect the handling performance of the motorcycle and may cause the motorcycle to lose control. If the tire size is other than standard, we sincerely recommend that you choose standard tires.

Front tire	Rear tire
140/70/R17	200/50/R17

## Running-in of the engine

Although the engine components are made of the best materials and manufactured according to advanced standards, it is necessary for the new car to run in all moving parts before the engine runs at full load. The performance and reliability of the engine in the future depend on strict and meticulous running in and maintenance during the initial use. During the running in period, it is not allowed to let the engine speed be too high during starting and driving, and starting and accelerating should not be too fast to prevent the power device from bearing impact loads and affecting the quality of running in. Generally, after starting the engine, run it at a low speed to fully preheat before starting. Drive at a low speed of 1-2 km before returning to normal operation. The general rules are as follows:

Run in according to the following engine speed limits

Mileage(km)	Throttle opening	Rotate speed(rpm)
Running-in1000km	≤30%	≤4500r/min
More than 1000km		≤7500r/min

After 1000km, it can be used normally, but in any case, the engine speed should not exceed 7500r/min

### NOTE :

- After the running-in should be carried out a maintenance, tighten all fasteners, re-adjust the parts, to ensure that the motorcycle in the bestState, prolong engine life.
- If any problem occurs during engine running-in, please contact or go to Xiangshuai Heavy motorcycle service outlets immediately.

### WARNING

- The engine and exhaust pipe will be very hot when the vehicle is just turned off. Please park the vehicle in a place where pedestrians and children will not come into contact with it to avoid burns.
- Please do not park the car on a slope or soft ground, otherwise the locomotive will roll over, increasing the risk of fuel leakage and fire.
- Do not park the locomotive near hay fields or other flammable materials.

## EFI precautions

- When installing the battery, use a tool to firmly install the positive and negative terminals of the cable to the positive and negative terminals of the battery. Do not tighten the cable by hand.
- Please keep the fuel in the tank no less than 3 liters, otherwise it will affect the normal operation of the EFI system, please replenish the fuel as soon as possible when the oil level is 1 or less.
- When reinstalling the battery, starting or cycling the entire vehicle with power outage, battery sleep restart, abnormal idle speed, reinserting or unplugging the insurance, etc., please pay attention to resetting individual electronic fuel injection hardware. The steps are: turn on the throttle lock switch and engine shutdown switch, start the engine in neutral by pressing the clutch. After 10 seconds, turn off the engine shutdown switch, and then turn on the engine shutdown switch after 10 seconds. Repeat this process twice again.
- If the vehicle is left idle for a long time, it may be difficult to start for the first time. You can turn the throttle to 1/8 of an opening to start.
- If the engine cannot work after multiple starts, it may have flooded the cylinder. Execute the cylinder extinguishing program: fully open the throttle and press the start button for 3 seconds. If the voltage of the instrument battery flickers, it indicates that the battery voltage is too low. Please charge the battery in a timely manner: a low voltage may cause the electronic fuel injection components to malfunction, fail to start or have difficulty starting, insufficient power, etc.



For new cars or vehicles with depleted fuel, please do not turn on the ignition switch. Be sure to turn on the ignition switch only after refueling, otherwise the fuel pump will run out of fuel and the lifespan of the fuel pump will be severely affected.

When the engine is running, if the instrument yellow fault indicator is on, it indicates that the EFI parts have faults to be eliminated.

Fault code	Fault code information	Fault code	Fault code information
P0131	1 cylinder oxygen sensor signal shorted to low voltage	P2304	2 cylinder ignition coil high voltage
P0132	1 cylinder oxygen sensor shorted to high voltage	P0335	The crankshaft position sensor line has no signal
P0031	1 cylinder oxygen sensor heating circuit shorted to low voltage	P0336	Crankshaft position sensor line signal interference
P0032	1 cylinder oxygen sensor heating circuit shorted to high voltage	P0122	Throttle position sensor Low voltage
P0137	2 cylinder oxygen sensor shorted to low voltage	P0123	Throttle position sensor High voltage
P0138	2 cylinder oxygen sensor shorted to high voltage	P0500	Speed sensor fault
P0037	2 cylinder oxygen sensor heating circuit shorted to low voltage	P0505	The idle speed is abnormal. Procedure
P0038	2 cylinder oxygen sensor heating circuit shorted to high voltage	P0562	System low voltage
P0107	Intake pressure sensor line low voltage/open circuit	P0563	High system voltage
P0108	Intake pressure sensor line high voltage	P0231	Oil pump relay open/low voltage fault
P0112	Intake temperature sensor line low voltage	P0232	Oil pump relay high voltage fault
P0113	High voltage or open circuit of the intake air temperature sensor	P0458	Carbon tank cleaning control solenoid valve low voltage fault
P0117	Coolant temperature sensor line low voltage	P0459	Carbon tank cleaning control solenoid valve high voltage fault
P0118	Coolant temperature sensor circuit high voltage or open	P0601	The ECM verification code is incorrect
P0261	1 cylinder injector low voltage fault	P0650	The MIL circuit is faulty
P0262	1 cylinder injector high voltage fault	P0850	The neutral/clutch input is faulty
P0264	2 cylinder injector low voltage fault	P1693	Engine speed output low voltage
P0265	2 cylinder injector high voltage fault	P1694	Engine speed output high voltage
P2300	1 cylinder ignition coil low voltage	P0171	The oil and gas mixture is too thin
P2301	1 cylinder ignition coil high voltage	P0172	The oil and gas mixture is too thick
P2303	2 cylinder ignition coil low voltage	P0174	PE mode hybrid is too thin

Example :0131 Oxygen sensor short grounding.

The fault light blinks 10 times, then once, then three times, and then once

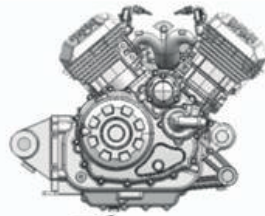
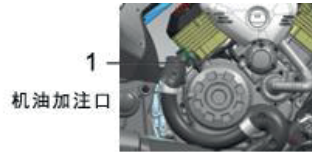


- During engine operation, the fault light is not on, and the fault light flashes after flameout, which is a historical fault and has no impact on the vehicle. It will go away on its own.

## Change engine oil (or with oil filter)

1. Screw the screw into the screw fixing hole of the rear fork landing gear, and then use the landing gear to lift the car to lift the rear wheels off the ground, ensuring that the car is stable.
2. Start the engine and preheat for 2-3 minutes before turning it off.
3. Place a container under the engine to collect used engine oil.
4. Remove the engine's fuel cap, drain bolt, and washer, and drain the engine oil thoroughly.

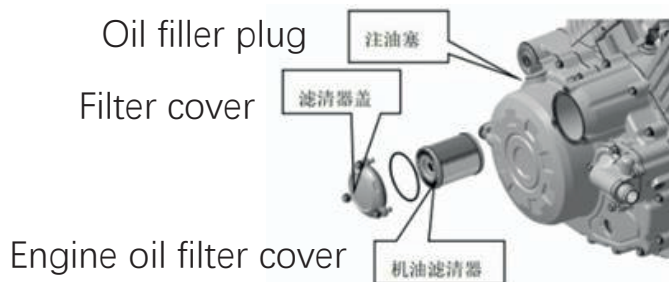
Engine oil filling port



放油螺栓, 紧固扭矩25N.m

Drain bolt, tighten torque 25N.m

## 5. Remove the oil cover with a T-sleeve



### NOTE :

- If the oil filter does not need to be replaced, skip steps 5-7
6. Apply a thin layer of clean engine oil to the O ring of the new oil filter.

sealing ring



7. Install a new oil filter and tighten it in place.
8. Tighten the oil drain bolt (tightening torque of 25N.m), add the recommended new engine oil, straighten the vehicle and observe the oil level window. The oil level should be between the upper and lower markings on the oil level window. Be sure to wipe off the oil splashed on the parts and check for oil leakage.

### Oil filling amount:

After disassembling and assembling the engine, the oil capacity added is about 3.3L; The oil change and refill capacity is approximately 3.0L. Engine oil should be selected as SL grade or above according to API classification, with a grade of 10W/40 (at room temperature) or 0W/30 (in winter), and should not be used. Be careful not to let foreign objects fall into the engine casing.

9. Start the vehicle and idle for a few minutes to check for oil leakage. If yes, turn off the vehicle immediately to check the cause.

### NOTE :

- Running an engine without enough oil will cause damage to parts. When the oil is too much, it will affect the speed and even damage the engine parts.

## Regular maintenance

Regular inspection, adjustment and lubrication will keep your locomotive in the safest and most efficient running condition. The time interval of the periodic maintenance table can only be used as a general reference, and the maintenance interval may be shortened according to the different climate, geographical location, terrain and purpose of use.

### WARNING

If the locomotive is not properly maintained, or the locomotive is maintained incorrectly, the risk of injury or death may be increased during maintenance or use. If you do not know how to maintain, please entrust Xiangshuai dealers or Xiangshuai heavy motorcycle service outlets.

### WARNING

Unless otherwise specified, please turn off the engine while maintaining the locomotive. An engine that is not turned off may come into contact with the body or clothing and cause injury, and parts of the circuit may cause electric shock or fire. Servicing or maintenance work while the engine is running can cause eye injury, fire or carbon monoxide poisoning.

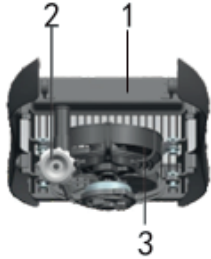
### WARNING

After riding the locomotive, the engine, exhaust pipe, disc brake disc, disc brake calipers, brake pads may become hot, in order to avoid burns, each part can be touched after cooling.

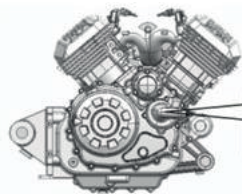


## Coolant liquid

- 1. Water tank
- 2. Water tank cover
- 3. Cooling fan



- Adjustment of cooling system: Run in for 1000km and then check every 7000km. Note: The radiator and reservoir must be filled with coolant strictly according to the requirements, and cannot be replaced with tap water or other liquids to avoid waterThe road is dirty and overheated. Do not open the radiator cover or inspect the water circuit after driving at full load to prevent burns from high-temperature liquid splashes.
- Method for replacing coolant: Composition of coolant: 50% ethylene glycol+50% distilled water Cooling liquid capacity: about 2.5L for the new machine
- ① Ensure that the engine stops running and has cooled down, then unscrew the drain bolts on the radiator cover and water pump cover (with sealing gaskets underneath) to drain the coolant from the engine and radiator thoroughly;
- ② Install the drain bolt on the water pump cover and replace it with a new sealing gasket;
- ③ Add new coolant according to the above method for adding coolant to the new machine.



Drain bolt and tighten torque 10N.m

放水螺栓，紧固扭矩10N.m

防冻液加注口  
Antifreeze filling port



### CAUTION

- If there is no coolant supplement, only distilled water (water that does not contain any other impurity elements) can be used for a short time instead of tap water, well water, including mineral water, rain water, river water, mountain spring water, salt water or any other water containing impurity elements to supplement, so as not to cause the internal parts of the cooling system to break. In case of urgent replacement with distilled water, please also immediately go to the service point or dealer to replace the new coolant.
- When the engine temperature reaches about 110 degrees, the sensor is switched on and the induction light in the instrument is on, which indicates that the engine needs to stop and rest, otherwise it will overheat the engine and affect the service life.

### CAUTION

Please use 3500 antirust and antifreeze solution for coolant. The coolant is toxic and corrosive, so it should never be eaten, stained on the skin or the surface of the part. Waste liquid should be recycled by the recycling center to avoid pollution to the environment. The engine is not allowed to open the water tank cover at high temperature, so as not to spray out hot water and hurt people. If you need to disassemble the cylinder block for engine maintenance, drain the coolant first to prevent the coolant from entering the crankcase.

- Check the cooling system for water leakage every 400km: whether there is leakage at the connection of the pump and circulation pipe, whether the circulation pipe is damaged and aging, press the hose by hand to see if there is a crack, so as to replace it in time. If there is leakage, please continue with the maintenance personnel, do not disassemble. Check the height of the liquid level of the kettle, requiring the liquid level to be between the upper and lower limits, and timely supplement the coolant.

## Spark plug

- Spark plug is one of the important parts of the engine, the need for regular inspection, because the spark plug carbon will erode the spark plug, so it needs to be regularly removed for inspection and maintenance, the status of the spark plug can also show the combustion status of the engine combustion chamber. Check steps: Remove the spark plug cap, remove the spark plug, check whether the color of the ceramic insulator around the central electrode of the spark plug is light brown (the most ideal color for normal operation of the engine), and the color of the spark plug electrode installed in the engine should be the same. If the color of the spark plug is obviously different, it may be that the operation of the engine is poor. In such cases, please go to the Xiangshuai dealer or construction service point for inspection. If the spark plug has no damage, whether the electrode is ablated, if it is damaged, the spark plug should be replaced.

### NOTE :

- Before installing the spark plug, measure the gap between the spark plugs using a feeler gauge. If necessary, use a metal wire or needle to remove carbon deposits from the spark plug, adjust the spark plug gap to 0.8-0.9mm, and measure with a feeler gauge. Clean the surface and contact surface of the spark plug gasket. And clean the dirt on the spark plug threads.
- Spark Plug Model: CPR8EA-9 (NGK)
- Spark plug thread torque: 25 Nm. When installing the spark plug, in order to prevent the thread from snapping and damage the spark plug installation thread of the cylinder head, the spark plug must be screwed into place by hand first, and then fastened with the spark plug wrench. When removing the spark plug, do not allow impurities to enter the engine through the spark plug hole.

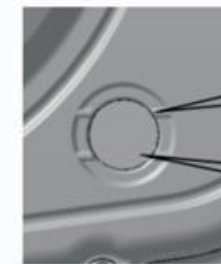
## Check the engine oil level

Check the engine oil level before each ride. The oil level observation hole is provided at the rear of the right crankcase cover to observe the oil level. In addition, the oil and oil filter should be replaced regularly according to the maintenance periodic table.

### NOTE :

Check the amount of oil after the engine oil is cooled, so as not to cause misjudgment due to too high oil temperature.

- Start the engine and let it idle for a few seconds.
- Turn off the engine and after about 2-3 minutes, stand the vehicle upright and observe the oil level window. The oil level should be between the upper and lower markings on the oil level window. If the oil level is below the lower mark, oil should be replenished to the center line position. If the oil level is above the upper mark, the oil should be drained to the center line position, as shown in the following figure.



上刻度线

Higher scale line

下刻度线

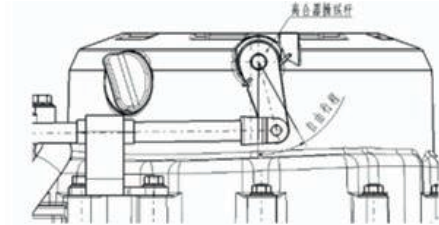
Lower scale line

发动机机油观察位置示意图

Engine oil observation position diagram

## Clutch adjustment

- Run in for 1000km and then check every 7000km. In order to ensure the correct use of the clutch and the ease of operation, users should ensure that the clutch is in the engaged state during adjustment and not allowed to be in a semi clutch state. It is necessary to ensure that the clutch control lever has an appropriate free stroke of 2.5mm, as shown in the following figure.



Clutch free stroke diagram

- The wear of the clutch friction plate will cause the free travel of the clutch lever to become smaller, and the clutch cable must be adjusted in time to ensure that the lever has a proper free travel.
- It is not allowed to run for a long time in the semi-clutch state, so as not to damage the clutch. If the clutch slippage occurs, it should be replaced in time.

## Brake system inspection

The braking system will wear out after a certain period of use. When the wear reaches a certain level, please go to the Xiangshuai Heavy Machinery Service Point for replacement. The maximum thickness of the brake disc is 3mm. The items to be checked before each driving of the brake system are as follows:

Check the liquid level in the brake fluid cup;

Check for any fluid leaks in the braking system.

Check the brake fluid hose and brake fluid cup for leaks or cracks.

Check the wear of the brake discs and brake friction pads.

The stroke of the front brake handle is 10-20mm, and the free stroke of the rear brake pedal is 20-30mm.



**WARNING**

Hydraulic disc brakes operate in high pressure. To ensure safety and reliability, the replacement time of brake fluid hoses, brake fluid cups, and brake fluid should not exceed the time specified in this instruction.

## Front brake adjustment



Front brake handle adjustment knob

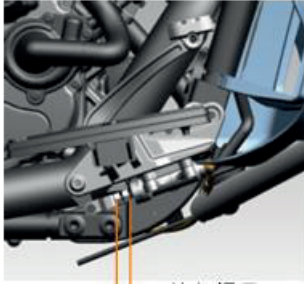
- Check the liquid level of the brake fluid, the liquid level should be between the two scales, too much, too little will affect the braking force, to appropriate



**WARNING**

When operating the brake handle, if there is a soft or spongy feeling, it means that there is air in the hydraulic brake system. Please ask the Xiangshuai heavy machine dealer to remove the air before riding. If there is air in the brake system, the braking effect will be reduced, resulting in an accident that the locomotive is out of control.

## Rear brake adjustment

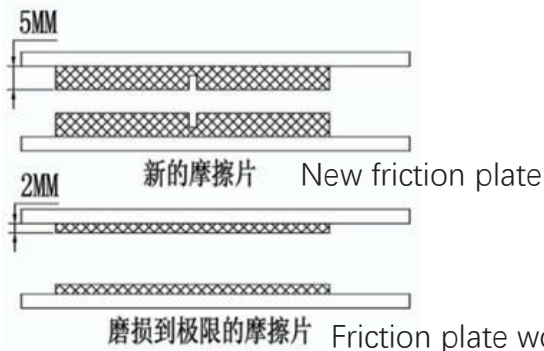


1. Adjust the nut
2. Lock nut

Support the motorcycle to ensure the free travel of the rear brake lever from the free position to the first operation of the brake. If you need to adjust, loosen the lock nut, adjust the exposed length of the adjustment bolt, increase or decrease the travel of the tread bar. Step on the rear brake lever several times, then release the brake and rotate the rear wheel to check whether it can rotate freely. After fitting, lock the nut.

## Check the front and rear friction plates

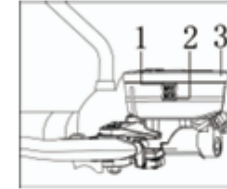
Please check the front and rear friction plates regularly according to the regulations of the regular maintenance and lubrication table. The wear limit thickness of each brake disc should not be less than 3mm. If it has exceeded the limit and almost touches the disc, please contact or go to the Xiangshuai Heavy Motorcycle Service Point to replace the friction plates.



## Check the amount of brake fluid

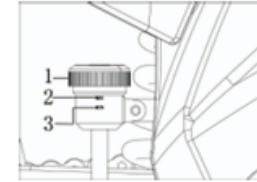
### Front brake

1. Maximum limit mark
2. Minimum limit mark
3. Front brake oil cap



### Rear brake

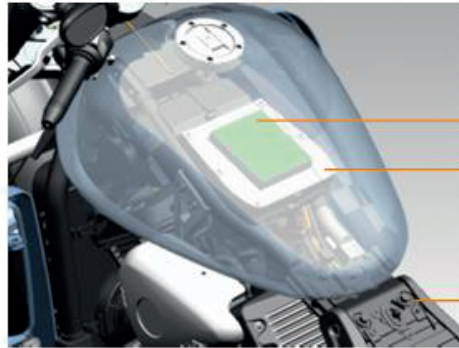
1. Rear brake oil cap
2. Maximum limit mark
3. Minimum limit mark



The brake fluid in the hydraulic disc brake, the brake fluid should not be mixed with water and other impurities, otherwise it will seriously damage the brake system and affect the braking effect. Brake fluid is highly corrosive, do not let the brake fluid splash on the painted surface or plastic parts, otherwise it will corrode these surfaces. Only 4DOT4 brake fluid can be used.

## Replace the air filter element

- The air filter should be regularly maintained according to the periodic maintenance and lubrication table, and if driving in particularly humid and dusty areas, more inspection and replacement should be done.



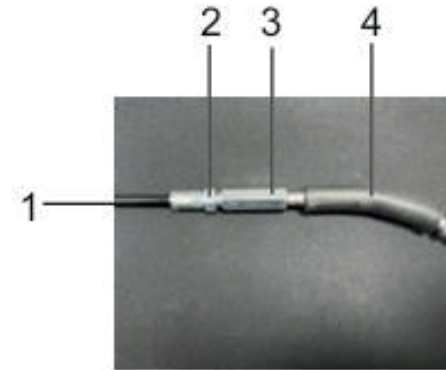
- 1.Remove tank screws
- 2.Remove the air filter cover
- 3.Replace the air filter element

4. Put the new air filter element into the air filter.
5. Lock the lid of the empty filter and put it back into the oil tank.

### NOTE :

- Do not run the engine before installing the filter element and inhale the air containing dust to avoid excessive wear of the piston and cylinder.

## Throttle cable adjustment



1. Accelerator cable
2. Lock nut A
3. Adjust nut B
4. Protective sleeve

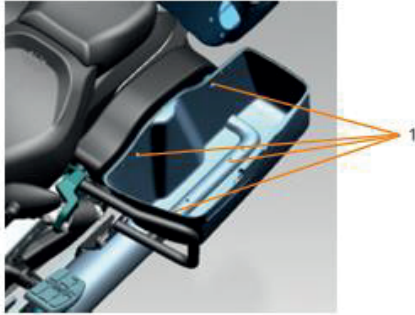
1. Check if the throttle handle rotates flexibly from the fully open position to the fully closed position
2. Check if the throttle cable between the throttle handle and the throttle body is in good condition. If the cable is twisted, stuck, or improperly routed, it should be given a warning. Replace the cable.
3. Check if the free range of the throttle lever sleeve during idle operation is within a gap of 2-6mm

### Need to adjust:

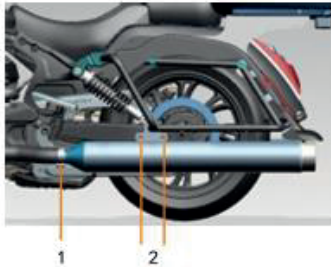
- Move the protective sleeve to one side, loosen the locking nut A, and then turn the upper adjusting nut. If further adjustment is needed, loosen the adjusting nuts A and B; Adjust the adjustment screw. After adjusting to a free stroke of 2-6mm, tighten the adjustment nuts A and B. Move the protective cover back to its original position

## Adjustment of drive belt

1.Remove the screws fastening the left and right side boxes.



2.Remove the left and right muffler ends.



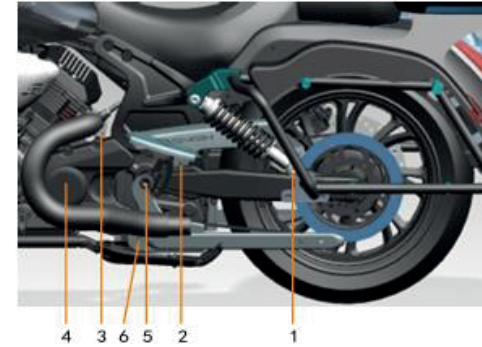
## Belt adjustment

- 1.Loosen the rear axle bolt
2. Loosen the adjusting lock nut
3. according to the adjustment bolt tightness control belt tension.

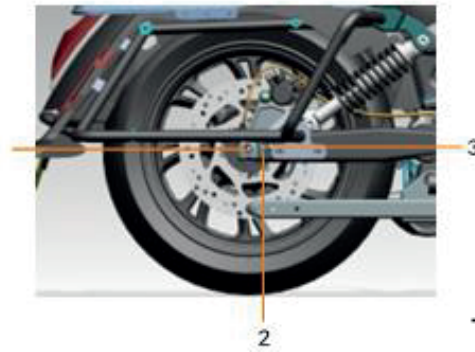
Attention:

- 1.the adjustment process to ensure that the scale balance of the left and right adjustment block.
2. tighten the rear axle bolt, use the tension meter to test the belt tension, 96Hz is the standard tension, the tightness of the belt will affect its service life.

## Drive belt change



- 1.Remove the lower bolt of the rear shock absorber
2. Remove the front bolts of the chain box
3. Remove the front section of the muffler
4. Remove the small pulley chain cover
5. loosen the flat fork shaft bolt, do not remove all, pull out 1cm distance to the outside.
6. Remove the bolts under the muffler support.
7. Install the drive belt and install it back according to the disassembly steps.



**NOTE :**

After the installation is completed, the drive belt must be adjusted to the standard tension, check the fastening of bolts in each part and make a mark

## Inspection and lubrication of single support



### WARNING

If the single support can not be smoothly up and down, please contact or go to the Xiangshuai heavy motorcycle service point for maintenance, otherwise the single support may contact the ground during driving, causing the driver to lose control due to distraction.

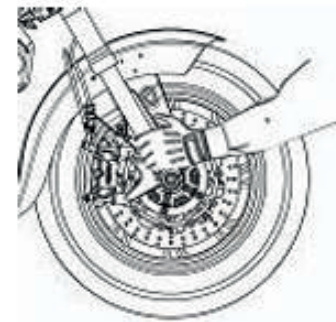
## Check before damping

- Check the condition of the front fork regularly according to the maintenance manual.
  - Please check the surface of the shock absorber cylinder core for scratches, wear and oil leakage.
1. Park the car on a flat surface and keep the car upright.
  2. Grab the front brake and press down hard on the handlebar several times. Check the front shock absorber for smooth compression and rebound

### NOTE :

- If any damage is found or the front shock absorber cannot be operated smoothly, please contact or go to the Xiangshuai Heavy motorcycle service point for inspection or replace

## Column check



Please check the column regularly according to the maintenance instructions in this manual. Worn or loose column bearings may cause dangerous conditions to take place.

1. Insert the screw into the shaft hole of the rear flat fork, and then use the landing gear to lift the car so that the rear wheel leaves the ground to ensure the stability of the car.
2. Grab the lower part of the front shock absorber and try to rock forward and back. If you can feel the gap, please contact or go to Xiangshuai heavy motorcycle service point for inspection and maintenance.

## Check the front and rear wheel bearings

Check vehicle bearings regularly for wear and tear according to the maintenance manual. If there is lateral clearance in the wheel or the wheel cannot rotate smoothly, please contact or go to the Xiangshuai Heavy motorcycle service point for inspection and maintenance.

## Battery inspection

1. Negative power cord "black"
2. Positive power cord "red"

The battery is installed under the driver's seat cushion. This locomotive is equipped with maintenance-free lead-acid batteries and there is no need to check the electrolyte or refill the distilled water. However, it is necessary to check the battery wire connection, if necessary, check whether the battery screw is locked.

## WARNING

- The battery electrolyte contains sulfuric acid, which is toxic and dangerous and can cause serious burns. Please avoid contact with skin, eyes or clothing. Wear safety goggles when working near batteries. If accidentally exposed, please take the following first aid measures: Inside the body: drink a lot of water or milk, immediately sent to the hospital.
- Eye contact: Flush with water for 15 minutes and send to hospital immediately.
- Batteries will generate explosive gas. Keep away from sparks, flames, and cigarettes. Keep sufficient ventilation when charging in a closed space. The battery will produce explosive gas, please keep away from sparks, flames, cigarettes and other ignition sources, and keep sufficient ventilation when charging in a closed space.
- Keep the battery out of reach of children.

## Battery charging

If you feel that the battery power is insufficient, check the voltage at both ends of the battery, such as 12.3v below, please charge immediately, if the vehicle has another electrical accessories, so the battery discharge faster.

## Storage of battery

If the locomotive is not used for more than 1 month, remove the battery and store it in a cool and dry place.

### NOTE :

When removing the battery, remember to turn off the vehicle power supply first, and the order of removing the power cord is: first remove the negative line, and then remove the positive line

If the battery is to be stored for more than two months, check it at least once a month and fill the battery if necessary.

### NOTE :

Connect the negative wire first and then the positive wire when installing a battery

## Change of fuse

The cable fuse box, which contains fuses for other circuits, is located under the vehicle seat cushion. If the fuse is burned, replace the fuse as follows

1. Turn off the power to the vehicle and open the seat cushion.
2. Remove the burned fuse and install a new fuse with the specified power value.

## WARNING

Do not replace fuses larger than the specified ampere value to avoid damage to the electrical system and cause fire.



## Check and lubricate each control cable

Before each ride, check the throttle grip, throttle cable and clutch cable. If necessary, lubricate these cable and both ends of the cable. If the cable is damaged or unable to pull smoothly, please contact or go to the Xiangshuai heavy motorcycle service network to check or replace it.

### NOTE :

If the coat of the cable is damaged, the cable will rust, and the cable cannot be pulled smoothly. Replace the damaged cable in a timely manner to avoid unnecessary situations.

## Lubricate front brake handle, clutch handle

### Front brake handle



1. Lubrication position

### Clutch handle



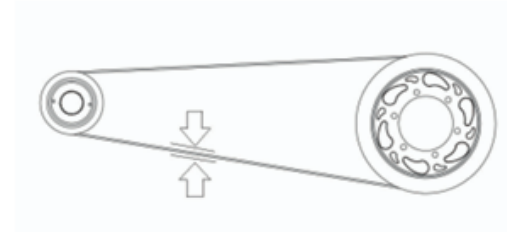
1. Lubrication position

## Inspection of drive belt

- Please check the tension of the drive belt with professional tools before each ride. Please check the condition of the belt and pulley regularly according to the maintenance manual.

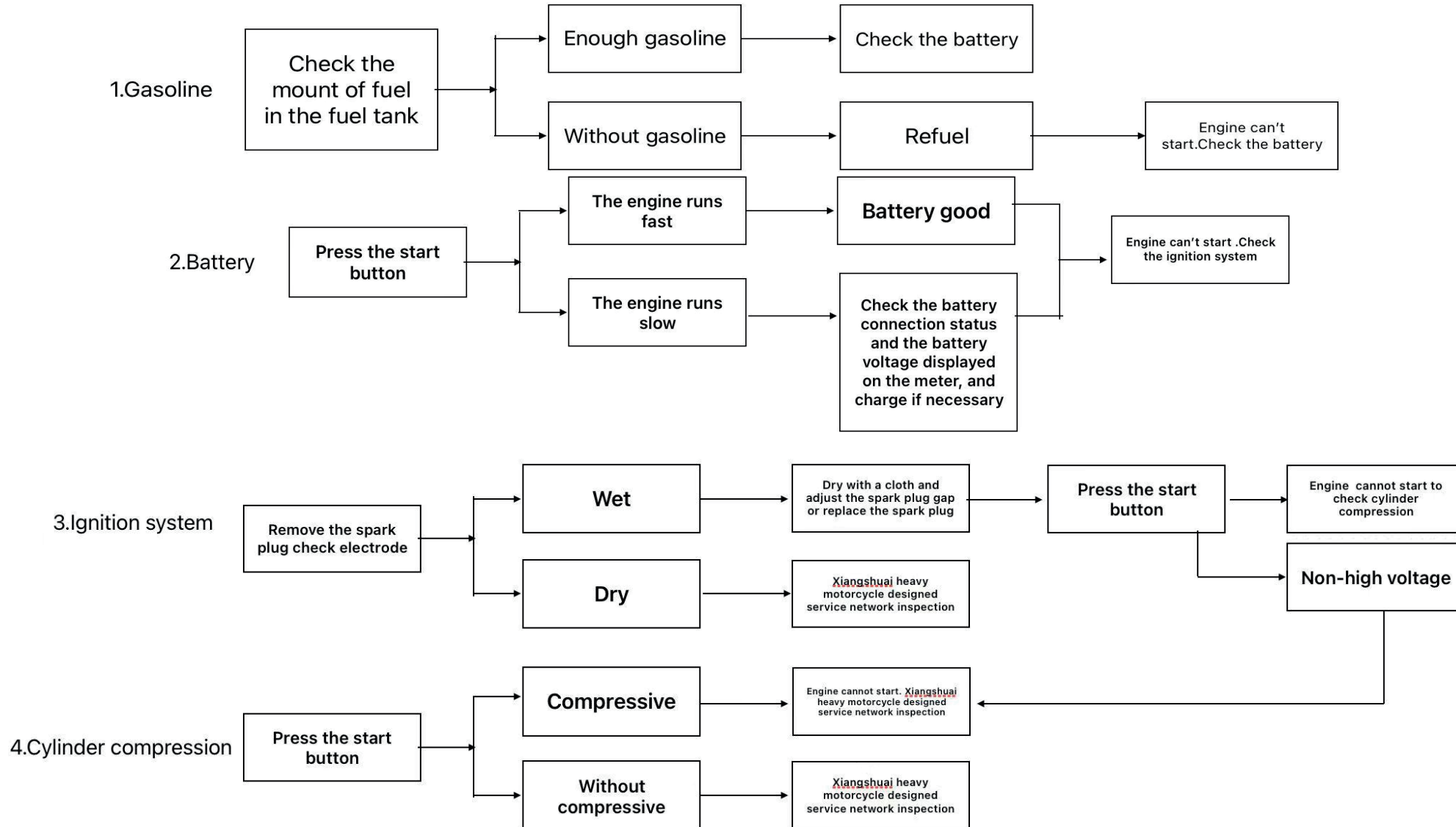
### NOTE :

- If the large and small pulley of the drive belt has reached the wear limit, please contact or go to the Xiangshuai heavy machine service outlet for inspection and replacement.
- Shift gears to neutral and the engine stops working.



- Use your fingers to move up and down the middle of the belt between the front and back to check whether the tightness of the belt is normal. Check the wear of the drive belt if the belt teeth are defective, excessive wear, and the belt is too long, it should be replaced. Check the wear of the large and small pulley. If the belt wheel teeth wear seriously, there are missing teeth, broken teeth should be replaced.

## Troubleshooting table Starting problems or engine performance

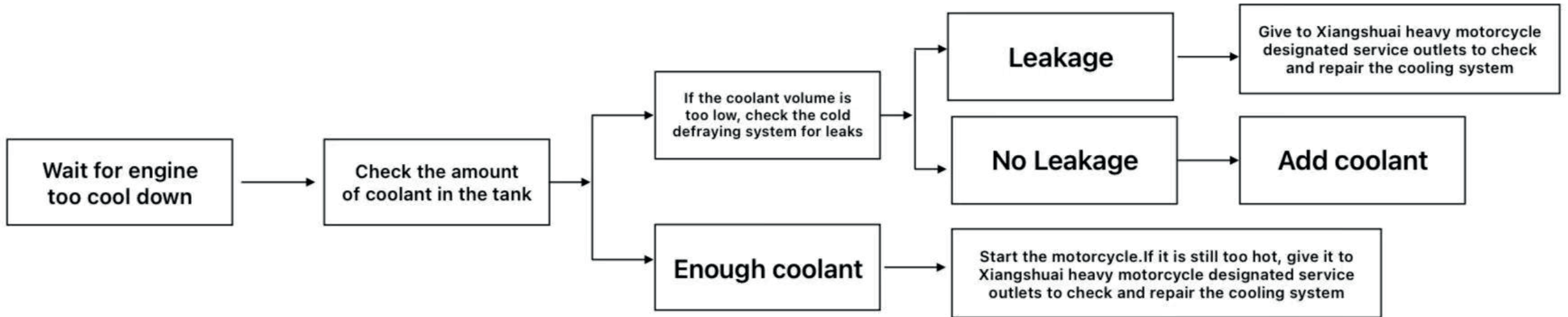


## Engine overheating



**WARNING**

- Do not remove the cover of the engine water tank when it is very hot. Hot coolant and steam under the action of pressure may spray out, causing serious burns accidents. Be sure to wait until the engine has cooled before operating.
- Cover the lid of the water tank with a thick cloth such as a towel, slowly screw the lid of the water tank to the side of the card slot in the counterclockwise direction, so that the residual pressure in the water tank is released, and then press the lid down after placing it, and then rotate it off in the counterclockwise direction.



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## Maintain the periodic table

NO.	Maintenance item	Maintenance cycle kilometers							Note
		1000KM	4000KM	7000KM	10000KM	13000KM	16000KM	19000KM	
1	fuel system	Check	Check	Check	Check	Check	Check	Check	Adjust if necessary
2	Maneuvering stay	Check	Check	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	
*3	EFI System	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Adjustment by professionals
4	Fuel strainer	Check	Check	Check	Check	Check	Check	Check	Replace original parts if necessary
5	Air filter elements	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Replace original parts if necessary
6	Spark plug gap	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Adjustment by professionals
*7	Valve clearance	Check	Check	Check	Check	Check	Check	Check	Adjustment by professionals
8	Engine lubricating oil	Change	Change	Change	Change	Change	Change	Change	
*9	Lubricating oil filter	Wash	Wash	Wash	Wash	Wash	Wash	Wash	Replace the original filter if necessary
*10	Timing chain	Check	Check	Check	Check	Check	Check	Check	Adjust if necessary
*11	Idle control	Check	Check	Check	Check	Check	Check	Check	Adjust if necessary
12	Drive belt	Check every 2000KM							
13	Storage battery	Check	Check	Check	Check	Check	Check	Check	If it is not used for a long time, it should be charged once a month
14	Brake lining	Check	Check	Check	Check	Check	Check	Check	The thickness of the friction area should not be less than 2MM
15	Brake system	Check	Check	Check	Check	Check	Check	Check	Add brake fluid if necessary

# 800T

16	Braking light switch	Check	Check	Check	Check	Check	Check	Check	
17	Illuminating system	Check	Check	Check	Check	Check	Check	Check	
*18	Clutch	Check	Check	Check	Check	Check	Check	Check	
*19	Shock absorption	Check	Check	Check	Check	Check	Check	Check	
20	Bolt/nut	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Key bolt adjustment torque
21	Front/rear tire	Check	Check	Check	Check	Check	Check	Check	
22	Reverse pressure bearing	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Adjustment by professionals if necessary
23	Cooling liquid	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	Check/Adjust	
Note: When driving in abnormally wet or dusty areas, the maintenance cycle should be appropriately shortened. Items marked with * can only be adjusted by professionals.									

## Headlights

This locomotive is equipped with LED headlights. If the headlight is not on, please go to the Xiangshuai heavy motorcycle service outlet to check the electrical wiring.

### NOTE :

Do not attach any colored film to the headlight lens.

## Front position light

This car front light equipped with LED front light. If the front light is not on, please go to Xiangshuai heavy machine service outlet check.

## Taillight/Brake light Replacement

This locomotive is equipped with LED taillight/brake light. If the taillight is not on, please go to Xiangshuai Heavy motorcycle service outlet to check.

## Replacement of front turn signal

This locomotive is equipped with LED front turn signal. If the front position light is not on, please go to Xiangshuai Heavy motorcycle service outlet to check.

## Care

Even if you use high-quality parts, it is still easy to rust and corrosion. Regular and correct care not only meets the requirements of maintenance, but also makes your locomotive look beautiful, extends its service life, and gives full play to its performance.

1. after the engine is cooled, use a plastic bag to cover the tail of the exhaust muffler.
2. Ensure that all covers, plugs, and all electrical connectors and terminals (including spark plug caps) are properly installed.
3. Remove dirt.

### NOTE :

- Do not use strongly acidic cleaning agents, if you use such cleaning products, do not let the cleaning agent residue for too long. In addition, rinse with water and dry with a soft towel immediately, and spray with anti-rust spray.
- Improper cleaning can damage deflectors, panels, windshields, headlamp shades, odometer covers, and other plastic parts. Wash only with a soft cloth and sponge soaked in water. If there is dirt on the plastic parts that cannot be removed with water, dilute the neutral cleaner with water. Rinse the remaining detergent with clean water to avoid damaging the plastic parts.
- Do not use high-pressure car washers or steam jet cleaners, as they can cause water seepage and deterioration of the following components: seals (wheel bearings, front forks, brake and fork bearings), electrical components (meters, connector terminals, switches, lamps), ventilation hoses, ventilation pipes and cable.

## Storage

Keep the locomotive in a dry and cool place, cover it with a dust cover if necessary, and make sure the engine and exhaust muffler have cooled before removing the cover.

## **It needs to be stored for months**

1. Fill the gasoline tank with gasoline and add gasoline stabilizer (if available) to avoid rust and deterioration of the gasoline tank.
2. In order to avoid the cylinder, piston ring, etc., rust, please follow the following requirements. (Remove the spark plug, such as 15ml oil into the spark plug hole inside point.)
3. Check tire pressure and adjust if necessary. Rotate the wheel slightly every month to prevent the tires from deteriorating easily due to a fixed point.
4. Wrap the muffler mouth with a plastic bag to prevent moisture from entering.
5. Remove and fill the battery, store in a cool and dry place, and charge once a month.

# 800T

## Overall dimensions

length: 2495MM  
width: 960MM  
height: 1300MM  
Wheelbase: 1600MM  
Minimum ground clearance: 130MM

## Weight

curb weight:332KG

## Engine

Type: Ignited four-stroke engine  
Colling method: water cooling  
Number of cylinders: V-type double cylinders  
Displacement: 800ml  
Bore × Stroke: 69mm×63mm  
Compression Ratio: 10.3:1  
Starting method: EFI  
Environmental protection standard: National IV standard

## Engine oil

Type: SAE 10W40 SI or higher (normal temperature)  
SAE 0W30 SL or higher(below -25°C)  
Grade: API/SI or higher

## Coolant capacity:

Tank capacity: 1600ml  
Engine capacity: 1800ml

## Air filter

Air filter element: paper filter element

## Gasoline

Recommend: 92# and above unleaded gasoline  
Fuel tank capacity :18.0L

## Ignition plug

Make/Model :NGK/ CPR8EA-9  
Spark plug clearance: 0.8-0.9mm

## Clutch

Clutch type: wet, multi-disc, manual

## Transmission

Primary transmission speed ratio: 2.26  
Final drive: belt  
Gear type: International 6th gear

## Frame

Frame type: frame type duplex  
Angle: 27°

## Front tire

Tire type: High-speed tires without inner tubes,140/70R17

## Rear tire

Tire type: High-speed tires without inner tubes,200/50ZR17

## Maximum load

Load limit: 75KG  
\* (Total limit for riders, passengers, cargo and accessories)

## Tire pressure (measured when the tire is cold)

Front tire:250Kpa  
Rear tire: 250Kpa

## Front wheel rim

Rim type: light alloy casting  
Rim size: 3.50X17

## Rear wheel rim

Rim type: light alloy casting  
Rim size: 6.0×17

## Front brake

Type: Double caliper hydraulic disc type  
Operate method: right handle  
Specified brake fluid: DOT 4

## Rear brake

Type: single caliper hydraulic disc type  
Operate method: Right brake lever  
Specified brake fluid: DOT 4

## Front suspension

Type: front minus upside down  
Shock absorber type: Adjustable spring/hydraulic shock absorber

## Rear suspension:

Type: horizontal (type)  
Shock absorber type: spring/Hydraulic shock absorption

## Electrical equipment

Ignition system: inductive energy storage ignition system  
Charging system: Ac generator

## Battery

Type: YTX14  
Voltage and capacity:12V12A

## Lamp voltage

Headlight: LED, DC12V  
distance light:10W  
passing beam:7W

## Taillight/Brake light:

LED, DC12V 1.65W/2.5W

## Front turn signal

LED, DC12V 1W

## Rear turn signal

LED, DC12V 1W



# 800T

**Position light:**

LED,DC12V 0.5W

**License light:**

LED, DC12V 1W

**Dashboard light:** LED

**High beam light:**

LED, DC12V

**Engine failure warning light:** LCD

**ABS warning light:** LCD

**Fuse**

Total fuse: 15A

Lighting fuse :10A

Efi fuse: 10A

ABS Fuse: 3A



**TOGGO**  
**MOTORCYCLE**

**KOLAT**

KOLAT MOTOSİKLET BİSİKLET MOTORLU ARAÇLAR SAN. ve TİC. A. Ş  
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