



USER'S MANUAL

TOGO - 800S

TOGO MOTORCYCLE

800S

Thank you for choosing our TOGO Motorcycle, we sincerely welcome you to join the motorcycle driving with the most attractive design, safety test and precision manufacturing.

This manual contains important information and instructions for the basic operation, inspection and maintenance of vehicles, please read carefully and fully before operating the vehicle. Correct use and maintenance can maintain the best condition of the vehicle and extend the service life of the whole vehicle. If you have any questions about operation and maintenance, you can consult the sales customer service of us.

The design and manufacture of this vehicle strictly follows the national standards, and ensures the performance of the whole vehicle through safety design testing and precision manufacturing. Please strictly choose to use the original spare parts.

When you are fully familiar with the requirement in this manual, you will find that driving a motorcycle is an exciting sport and you can truly enjoy the driving.

May you enjoy the comfort and pleasure in your future driving journeys.



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
- The copyright of this manual belongs to TOGO Motorcycle. No reproduction shall be made without the written consent of the Department

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This manual is applicable to 799 C C models, indicating the basic operation and maintenance methods of the vehicle in details, please read it carefully before driving. Correct use, maintenance and maintenance can effectively ensure driving safety, reduce breakdowns and maintain the best performance of the motorcycle. Thank you for purchasing and using our Heavy Cruiser Motorcycle series products!



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

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Motorcycle belongs to one of the motor vehicles, it requires driving skills and related motorcycle driving knowledge, so the dealer should inform the driver of the following.

Drivers should know :

- Proficient in the operation of various parts of the motorcycle.
- Pay attention to the relevant information of the warnings and the maintenance parts in the manual.
- Motorcycle drivers must pass the examination of the traffic management department and obtain a driving license before driving motorcycles. It is strictly prohibited to drive it without a driving license.
- Some simple basic motorcycle problems can be solved by this instruction manual.

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Safe riding
Before driving the vehicle, please read carefully the part of 'the inspection before driving'. Inspect the motorcycle first and accidents can be prevented. The motorcycle can carry the driver and one occupant only, two people in total. Due to the small size of motorcycle, the small sight scope often results in the accidents between the motorcycle and the cars. Many accidents are caused by car drivers non-seeing the motorcycles, therefore the motorcycle drivers can make the motorcycle more visible, which can reduce the probability of such accidents.

- Therefore
- Please wear bright clothing. The driver must wear motorcycle special clothing and protective equipment, and the passenger should dress neatly.
 - When riding through intersections, in these accident-prone areas, pay high attention to other vehicles and make sure the other drivers can see you.
 - Make sure you are in the field of view of other drivers when you are riding, to avoid yourself in the blind spot area of other drivers.
 - Keep a safe distance from the other motor vehicles, correctly use turn signals, alarms etc., and strictly abide by traffic rules.



Dress correctly



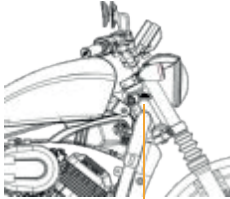
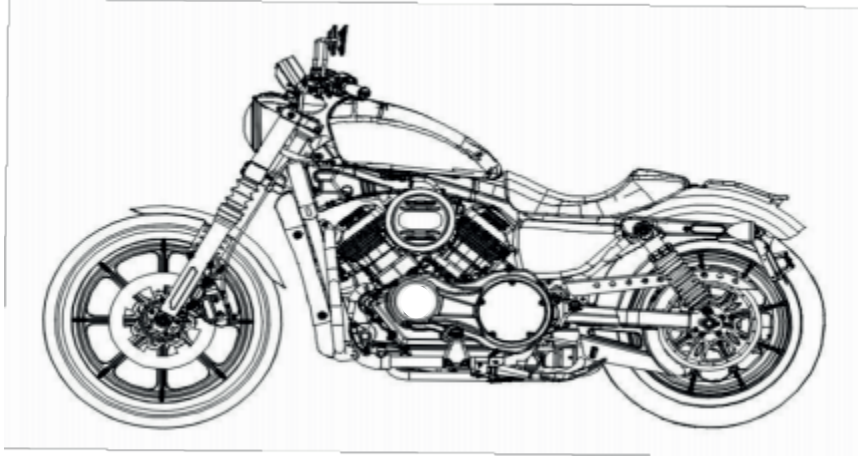
Improper dressing



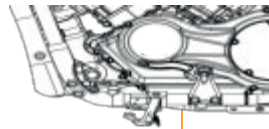
Improper dressing

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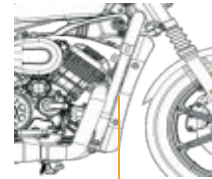
Important tag locations for motorcycle



The motorcycle Identification Number (VIN) is on the right side of the front of the vehicle



The engine identification code is on the lower left side of the crankcase

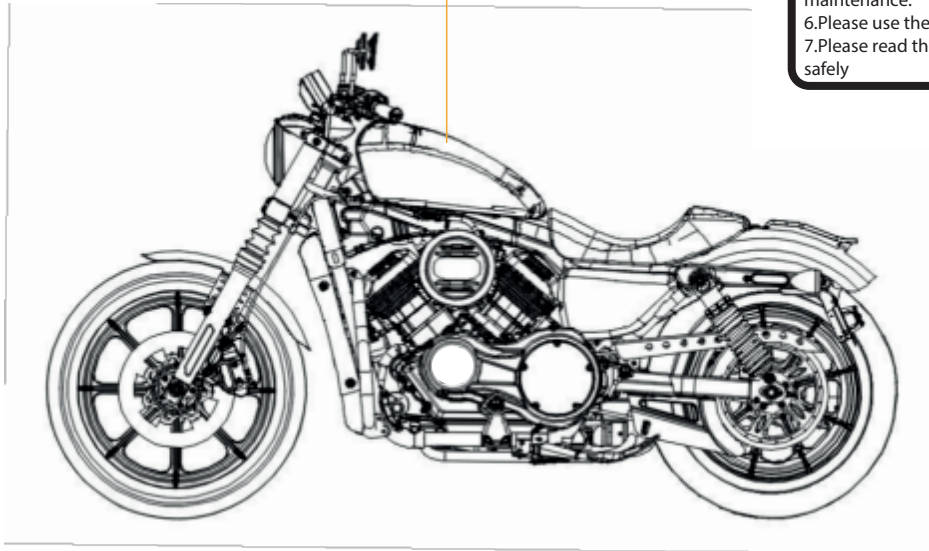


The motorcycle information plate is on the front right side of the frame

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Important tag locations for motorcycle

Please read carefully the tags information before operating.

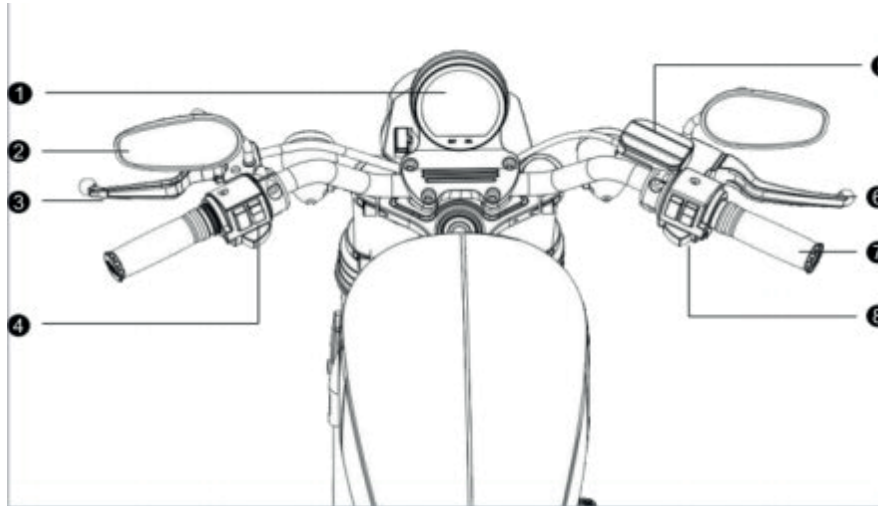


CAUTION

1. Please get license before driving
2. Please wear helmet before driving
3. Do not speed
4. For your safety, modification is strictly prohibited
5. Please go to the designated repair point for maintenance.
6. Please use the original parts when maintenance.
7. Please read the procedure carefully, and drive safely

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Controls and gauges



❶ LCD display instrument

❷ Front brake oil cup

❸ Rearview mirror

❹ Front brake lever

❺ Clutch handle

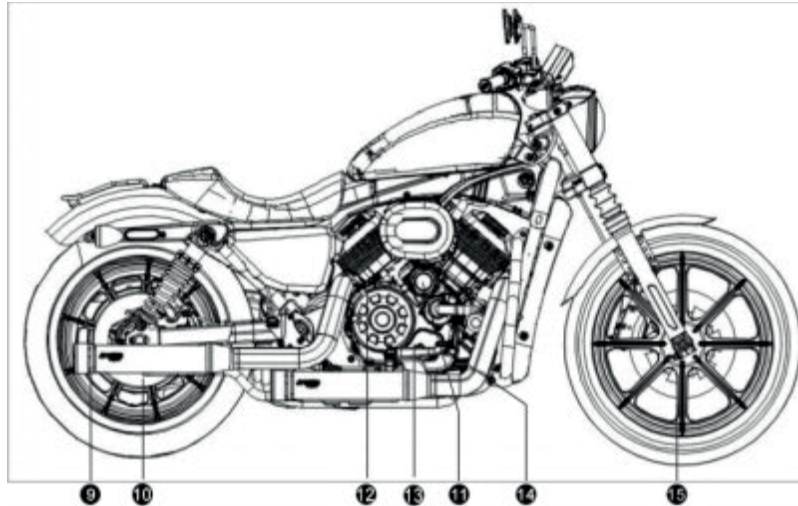
❻ Throttle control handle

❼ Left handle switch

❽ Right handle switch

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Right side of the motorcycle



9 Exhaust pipe

10 Rear brake discs

11 Oil filter

12 Oil filler

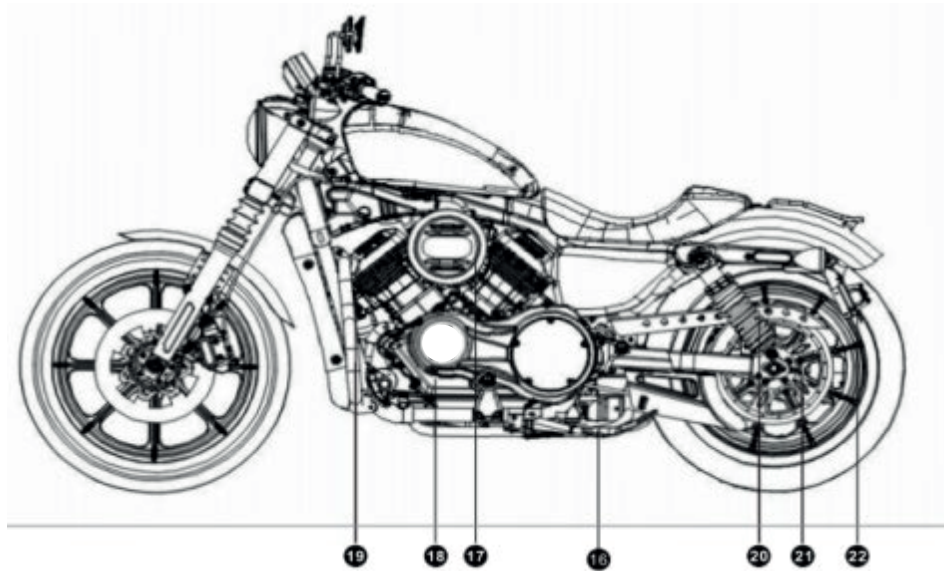
13 Oil volume window

14 Rear brake pedal

15 Front brake discs

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Left side of the motorcycle



17 Air filter

21 Belt adjuster

18 Shift foot lever

License plate

mounting rack

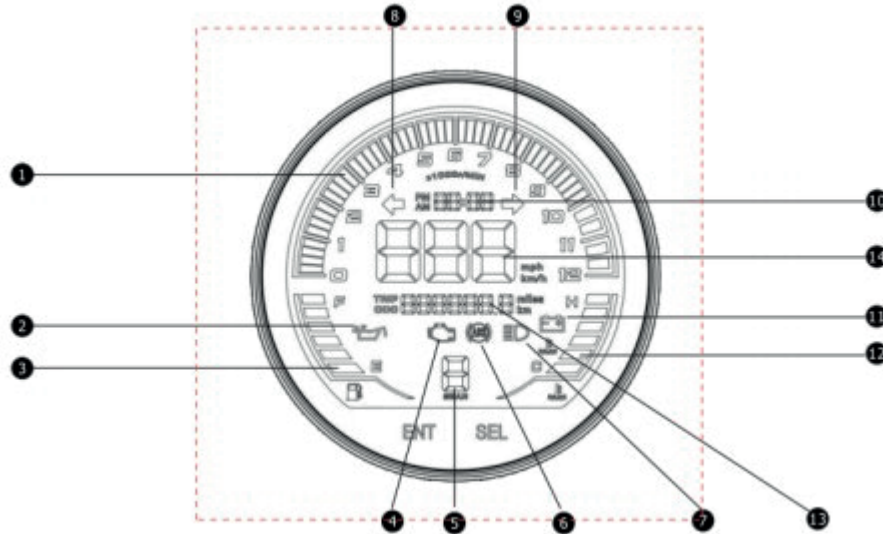
19 Oxygen sensor

20 Rear shock absorber

22 Side stop bracket

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Gauge



- | | | | | |
|--------------------|------------------------------|----------------------|---------------------|------------------|
| 1 Tachometer | 2 Oil warning light | 3 Fuel light display | 4 EFI fault lamp | 5 Gear display |
| 6 ABS fault light | 7 The headlamp switch | 8 Left turn signal | 9 Right turn signal | 10 Clock display |
| 11 Voltage display | 12 Water temperature display | 13 Mileage display | 14 Speed display | |

⚠ WARNING

- Do not use a high-pressure water gun to flush the meter directly.
- Do not wipe the instrument with a rag with organic solvents such as gasoline, kerosene, alcohol, brake fluid, etc., otherwise the instrument will be partially cracked or discolored after contact with organic solvents.

① Tachometer (Displaying the speed when the vehicle changes the speed)

② Oil pressure warning light

- This warning light lights up when the oil level is too low. When the key is in the open position, you can check whether there is a problem causing this light to flash, if this warning light will not be off after flashing for a few seconds, please contact with TOGO motorcycle dealer.

NOTE :

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

⚠ WARNING

When the oil indicator light is on, it means that the motorcycle has traveled a certain mileage and needs to change the oil to maintain the engine. The continued driving without maintenance will damage the engine and transmission system. Please check the engine oil level frequently to determine if the oil consumption is correct and if the oil needs to be changed.

- ③ Fuel volume display (It shows the fuel balance stored in the fuel tank.) When the oil volume lamp flashes, refuel it as soon as possible).

CAUTION

- Enough fuel needs to be ensured in the tank, and when the fuel in the tank runs out, the fuel pump will idle, which may damage the fuel pump.

- 4 EFI fault lamp (the fault light is on when the vehicle is powered on, and the fault light is off after the vehicle is started.) If the fault light is still on after the vehicle is started, it means that the EFI system break down. Please do not start riding and contact with TOGO Motorcycle)
- 5 Gear display (shows the current gear of the vehicle).
- 6 ABS fault light (ABS light lights up after the vehicle is powered on, it automatically turns off when the speed reaches 10KM, Please stop riding if it is not turning off after powered on. Please contact with TOGO Motorcycle.)

⚠ WARNING

If the ABS warning light:

- It does not light up when the motor vehicle is powered on.
- Flashing during riding.

ABS may be in faulty condition, please go to TOGO motorcycle dealer for repair.

- 7 The headlamp switch
- 8 Left turn signal
- 9 Right turn signal
- 10 Clock display (clock display in 12/24-hour format)
- 11 Voltage display (flashing symbol when battery voltage is too low)
- 12 Water temperature display

⚠ CAUTION

- The coolant thermometer will show the temperature of the coolant liquid, the temperature of the coolant will change according to the weather and the load of the engine. When the water temperature display flashes, please stop the vehicle and let the engine cool down.
- 13 Mileage display (ODO total mileage display, Short-distance trip mileage display. In ODO mode, press and hold the SEL key for 3 seconds to enter the clock settings. In TRIP mode, long press the ENT key for 8 seconds, TRIP clears), For the above operation process, it is valid within 10S after powered on!
 - 14 Speedometer (shows current speed).

Power lock/steering lock



The power lock/steering lock controls the ignition, lighting system, and steering lock, the details are described as below:

The main power is on:

All electrical wiring, instrument lighting, tail lights, auxiliary lights and position lights etc. are in working condition, then the engine can be started, and the key can not be pulled out.

NOTE :

- When the main power is turned on, the headlight and running lights turn on automatically, even though the engine is idling, unless the main power switch is rotated to an angled condition.

The main power is off

The whole circuit system will be shut down.

Steering lock

Lock the steering mechanism, if it is in a locked state, the key can be pulled out.

Steering lock instruction



1. Rotate the key clockwise to lock the steering.
2. Rotate the key in the counterclockwise to release the steering.

WARNING

- Do not rotate the main power to the 'OFF' position while the vehicle is moving, otherwise the circuit system will be shut down, which may cause the vehicle to lose control and accident.

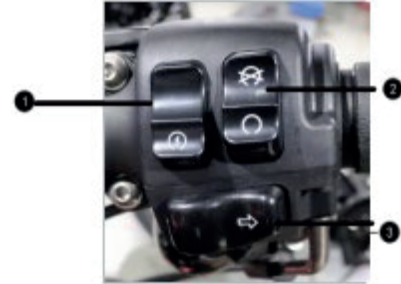
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Left switch



- ① Alarm button
- ② Low beam and high beam light switches
- ③ Left turn signal switch

Right switch

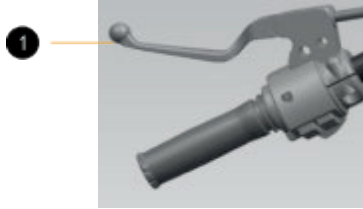


- ① Lighter switch
- ② Kill switch
- ③ Right turn signal switch

NOTE :

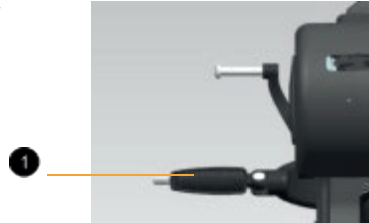
The warning light will be on after pressing the left turn signal switch and the right turn signal switch at the same time.

Clutch handle



When starting the engine or shifting, Grasp this handle tightly to disengage the clutch friction plate for cutting off power delivery.

Shift foot lever



•The car is equipped with a six-speed gear transmission, and when you trample the gear lever up and down to change gears, the gear lever will return to its original position by its own. If shifting to a lower gear, please reduce the speed or increase the engine speed; If shifting to a higher gear, please increase the speed or reduce the engine speed. This will prevent unnecessary abrasion between the drive system elements and rear tyres.

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Rear brake pedal



1

The rear brake lever is located on the right side of the body, next to the engine. When you need to brake the rear wheel, foot press the brake lever. The rear brake lever is equipped with space to adjust the adjustment bolts. The purpose is to adjust the free stroke of the rear brake pedal. Adjusting the adjustment bolts to maintain the proper stroke.

Front brake lever



1

The front brake lever is located on the right side of the handle. When you need to brake forward, grasp this brake lever.

Fuel tank cap



1

Open the tank cap and press the cap down, then rotate counterclockwise to certain position, and the tank cap will pop out automatically. Close the tank cap, put the fuel tank cap into the tank mouth, then press the fuel tank cap, rotate clockwise to the initial position, and the tank cap can be fixed to the right position.

Fuel tank



1 Fuel inlet

2 Fuel tank

WARNING

- When filling fuel into the tank, do not exceed the neck of the tank, otherwise it may overflow when the fuel expands after getting heated.
- Avoid fuel spilling when the engine is hot.

CAUTION

- If there is a gasoline spill, immediately wipe off the spilled gasoline with a clean and dry soft cloth, as gasoline may corrode the paint surfaces and plastic parts.

NOTE :

Fuel tank capacity: 13.0L

Recommended fuel: octane value gasoline above 92#

The vehicle is designed to run by unleaded gasoline above 92#.

Long-term use of gasoline above 92# will extend the service life of the engine and reduce the maintenance.

Catalytic converters

The vehicle is already equipped with an exhaust muffler with a catalytic converter.

WARNING

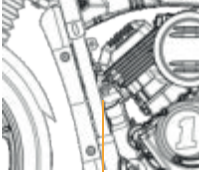
- When the engine is running, the exhaust system temperature is high, and when maintaining the exhaust muffler, it is necessary to ensure that the muffler has been cooled, otherwise you will be scalded.

CAUTION

Please abide by the following precautions to prevent fire or other damages:

- Only unleaded gasoline can be used, if using of leaded gasoline can cause irreparable damage to the catalytic converter.
- Do not park the vehicle next to any place with fire source, and do not let the engine run for a long time while idling.

Oxygen sensor

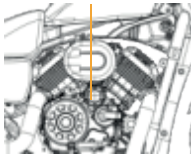


Oxygen sensor

The vehicle has been equipped with an oxygen sensor to reduce exhaust pollutants generated by exhaust gases.

Carbon canister

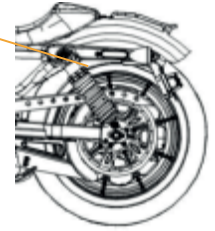
Charcoal canister



The vehicle is equipped with an activated carbon canister to avoid the emission of oil and gas into the atmosphere. Please inspect it at the specified mileage or time. Check the connection condition with each pipeline. Check if there are any cracks and damage of each pipeline and activated carbon tank, and replace it if damaged. Make sure the hose is not clogged 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 until the rear shock absorber is getting harder, or adjust the nut counterclockwise until the rear shock absorber is getting softer. Adjusting the nut up and down can meet the different driving requirements. After adjustment, press the nut tightly.



Side stop bracket

The side stop bracket is located on the left side of the vehicle, keep the vehicle upright when using it, and use your foot to lower it down or push it up.



Side stop bracket



•Please do not ride the vehicle when the side stop bracket is down or cannot be pushed up, otherwise the side stop will contact with the ground when the driver is riding on, therefore the driver will lose control and cause accident.

Oil pump

The vehicle uses the oil pump to supply oil, turn on the electric lock and flameout switch, and the oil pump stops working after for 2-3 seconds. Start the engine and the oil pump goes working. When the fuel runs out, the oil pump will idle which is cause damage. Pay attention to the indicated position of the fuel level gauge and fill it before it runs out.

CAUTION

- Please use unleaded good gasoline or above, the bad gasoline will damage the EFI system.

CAUTION

- When the oil pump is running for the first time, please make sure that there is enough gasoline in the tank and do not run it in an oil-free condition. The oil pump assembly is only for gasoline fuel.

Always check the following carefully before driving :

If the motorcycle is not properly inspected before driving and not properly maintained, it will increase the chance of accidents and the chance of damage to the motorcycle. Before usage of the motorcycle each time, it must be inspected to ensure that it can be operated safely referring to this section of inspection and maintenance. If the motorcycle uses inappropriate tires, or operates the motorcycle incorrectly, or the tire pressure is incorrect, you will lose control of the motorcycle. Make sure to use tires of the size and specification specified in this instruction manual. Proper tire pressure must be maintained as required in the Inspection and Maintenance section.

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

2. Check if there is fuel leakage.

3. Check the front and rear brakes: check the action of the front and rear brakes, they should be adjusted if the free stroke is too large or too small. And check if ABS system can be worked and brake failure.

4. Check the tire: check the air pressure and abrasion of the front and rear tires, inflate or repair them if necessary.

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

6. Check the lighting and signal: check if the performance of the headlamps, taillights, turn signals and horns are good, and adjust them if necessary.

7. Check the drive belt system: Check the tightness degree and abrasion of the belt. It should be replaced if severely worn or damaged. 8. Check the steering control mechanism: check the flexibility and stability of the steering control, and adjust it if necessary.

9. Check the engine: Check if the engine is abnormal.

10. Check the instrument: Check if the indicator lights are normal, repair them if necessary.

11. Check vehicle fastener-parts: make sure that all fastener-parts are tightened and get them tightened if necessary.

12. Check the side stop bracket flameout switch: check if the ignition cut-off system is normal, if it is not normal, please go to TOGO motorcycle dealers or service outlets.

NOTE :

The importance of these checks must not be overlooked. All inspections and necessary repairs need to be completed before driving.

 WARNING

- When doing the inspection, it is dangerous if the engine is in operating condition. If your hands or clothes get caught up by the moving parts of the motorcycle, it will cause serious physical harm to you. Except for checking the flameout switch and throttle which require running the engine, do turn off the engine when performing other checks.

WARNING

- If you are driving this vehicle for the first time, we recommend that you practice on non-public roads until you are familiar with the control and maneuvering methods of this vehicle.
- Driving with one hand is very dangerous, so you should drive with both hands firmly grasped and feet on the pedals. Do not take your hands off the handle bars under any circumstances.
- Reduce speed to a safe speed before steering.
- The road surface is wet and smooth, the tire friction is small, and the braking ability and cornering ability are naturally reduced. Therefore, it is necessary to slow down in advance.
- Crosswinds are usually most likely to occur at tunnel exits, valleys, or when large vehicles are overtaking from behind, so you must slow down carefully.
- Follow traffic rules and speed limits.

Starting of the engine

When the whole vehicle is energized with electric, if the engine flameout switch is in the position of "0", that means the vehicle is in the neutral gear condition, the neutral gear indicator on the instrument will light up.

WARNING

● Develop a habit that when starting the engine, hang the gear in neutral condition, returning the throttle to the end, and holding the clutch handle. The doing will help to avoid making a mistake of rushing forward when engine is started. Grasp the clutch when starting, clutch handle must be gripped. Or leave the engine in neutral, otherwise it will not start, and at the same time do not forget to put away the single brake. Do not start the motorcycle when fuel oil is missing.

WARNING

- The higher speed, the braking distance will be correspondingly longer, when riding, make sure pay attention to maintain a certain safe braking distance from the vehicle in front, the use of front brake or rear brake alone is very dangerous, this braking method is easy to cause the vehicle to slip and lose control.

Shift pedal bar

Shift sequence



The engine has a total of 6 gears, adopt international gear, and stepping on the first gear to pick the two gears. The relationship between the gears is shown in the image above: press or pick the gear lever to shift a appropriate gear.

CAUTION

- When the gear is in neutral condition and the neutral indicator is also on, after confirming it is really in the neutral position, slowly release the clutch.

Selection of Lubricating oil

Lubricating oil is an important factor affecting engine performance and service life, must be selected according to special regulations, can not be used inferior engine oil, gear oil, vegetable oil, etc. for substitute.

Engine lubricating oil is using grade is 10W/40API SG Grade vehicle engine oil when it is sold. If you want to switch to other lubricating oils, the quality grade must reach SG grade 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

- Do not throw away the discarded lubricating oil directly, and should be treated uniformly after recycling. Avoid polluting the environment.

Tire pressure and load

- Correct tire pressure and correct tire load are important factors. Overloading can cause tire fault and throw the motorcycle out of control. Check the tire pressure before each use of the motorcycle to determine the tire pressure. Tire pressure should be checked and adjusted before riding. The tire will heat up and the tire pressure will increase when driving.
- Excessive tire pressure will cause difficulty when making a turn, resulting in accelerated tire wear. The tire pressure is too high, the contact area between the tire and the ground is reduced, it is easy to slip and lose control. Recommended tire pressure at room temperature: 250kPa.

WARNING

Failure to pay attention to the followings may cause accidents due to tire fault. Tires are very important to connect between the motorcycle and the ground.

Follow these rules:

- Check the condition of the tires and the pressure of the tires, adjust the tire pressure before each use of the motorcycle, and avoid overloading the motorcycle.
 - Replace tires when they wear to the limit or when there are cracks and wounds on the surface of the tires. Always use tires of the specifications and dimensions specified in this instruction manual.
 - Read this section of this instruction manual carefully. If the tire is not well run-in, it will cause the tire to slip and lose control
- When the vehicle uses new tires, driving must be extremely careful.



check the tire pressure regularly, and the tire pressure is kept within the recommended range.
 when you feel that the tire pressure drops, check whether there are nails, small holes, damage to the rim side, and whether the valve core is leaking.

storage of tires

- when the motorcycle and is not in use for a period of time, the tire pressure needs to be adjusted to the specified air pressure.
- tire are semi-hot melt fromula rubber products, not suitable in cold outdoor weather, otherwise it will the product to freeze crack, please store in a tempeture balanced place or indoors.
- tire condition and specifications
- incorrect tyre condition and incorrect tyre specifications can affect the performance of a motorcycle. a broken scratch on the tire can cause to malfunction and cause the vehicle to lose control.

NOTE :

When changing tires, determine that the size and model of the replacement tire should conform to the contents of the list below. If you change the tires of different sizes or different models, it will affect the handling performance of the motorcycle and may cause the motorcycle to lose control.

Problems may occur with tires which are not up to the standard, and we sincerely recommend that you choose standard tires.

Front wheel	Rear wheels
130/70-19	240/45-17

Running-in of the engine

Although the engine parts are selected from the best materials and manufactured according to advanced standards, it is necessary for the new vehicle to run in all moving parts before riding on the load, and the performance and reliability of the engine in the future depends on the strict and meticulous running-in and maintenance at the beginning of usage. Generally, during running-in of the engine, it requires running at a low speed after fully warms up. Drive at a low speed for 1~2 km before turning into normal driving. The general rules are as follows:

According to the table below, the engine speed limit running-in

Mileage	Throttle opening (%)	Rotate speed (r/min)
Grindin 1000Km	≤30%	≤ 4500r/min
More than 1000Km		≤ 7500r/min

NOTE :

- after running-in, a maintenance should be carried out, all fasteners should be readjusted to ensure that the motorcycle is in the best condition.
- if any problem occurs during engine running-in, please contact Xiangshuai heavy machinery motorcycle distributor or service outlet immediately.



- when the vehicle is just turned off, since the engine and exhaust pipes will be very hot, please park the vehicle in place that is not accessible to pedestrians and children to avoid burns.
- please do not park the vehicle on the slope or soft ground, otherwise the vehicle will roll over, increasing the risk of fuel leakage and fire.
- do not park vehicle near the hay or other flammable materials.

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- Before installing the battery in the new vehicle, it is necessary to check that the wiring plug-in of EFI parts is firm and reliable, including the installation of aerobic sensors and the gasoline has been filled.
- When installing the battery, use tools to firmly install the positive and negative poles of the cable onto the positive and negative poles of the battery, and do not use your hands to twist them.
- Please keep the fuel in the tank not 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 amount of fuel is 1 compartment or less than 1 compartment.
- When the battery is reinstalled, start the vehicle, the vehicle has power interrupt, battery hibernation restart, idle abnormality, re-insertion insurance and other similar situation, please pay attention to reset each of individual hardware of EFI, the steps are: open the electric lock switch and the engine flameout switch, pinch the clutch in neutral gear to start the engine, turn off the engine flameout switch after 10 seconds, turn on the engine flameout switch after 10 seconds: repeat 2 more times.
- If the vehicle does not use for a long time, it may be difficult to start firstly, please turn the throttle to 1/8 degree to start. ● If the vehicle cannot be started after multiple starts, the cylinder may have been flooded, and the cylinder removal procedure is performed: the throttle is fully open, and the start button is pressed for 3 seconds. If the instrument battery voltage flashes, it means that the battery voltage is too low, please charge the battery in time: too low voltage may cause EFI parts to fail to work normally, unable to start or difficult to start, insufficient power, etc.

WARNING

- New vehicles that run out of fuel, please do not turn on the flameout switch, be sure not to open the flameout switch until replenishing fuel, otherwise the fuel pump without oil idling will seriously affect the service life of the oil pump.

During engine is working, if the yellow fault indicator of the instrument is on, it indicates that some of the EFI parts are faulty and need to be eliminated.

- When the battery is reinstalled, start the vehicle, the vehicle has power interrupt, battery hibernation restart, idle abnormality, re-insertion insurance and other similar situation, please pay attention to reset each of individual hardware of EFI, the steps are: open the electric lock switch and the engine flameout switch, pinch the clutch in neutral gear to start the engine, turn off the engine flameout switch after 10 seconds, turn on the engine flameout switch after 10 seconds: repeat 2 more times.

Fault code	Fault code information	Fault code	Fault code information
P0131	1 The cylinder oxygen sensor signal is shorted to a low voltage	P2304	2-cylinder ignition coil high voltage
P0132	1 cylinder oxygen sensor short circuit to high voltage	P0335	The crankshaft position sensor line has no signal
P0031	1 Cylinder oxygen sensor heating circuit short circuit to low voltage	P0336	Crankshaft position sensor line signal interference
P0032	1 Cylinder oxygen sensor heating circuit short circuit to high voltage	P0122	Throttle position sensor is low voltage
P0137	2 cylinder oxygen sensor short circuit to low voltage	P0123	Throttle position sensor high voltage
P0138	2 cylinder oxygen sensor short circuit to high voltage	P0500	Speed sensor failure
P0037	2 cylinder oxygen sensor heating circuit short circuit to low voltage	P0505	Idle speed is abnormal
P0038	2 cylinder oxygen sensor heating circuit short circuit to high voltage	P0562	Low system voltage
P0107	Inlet pressure sensor line low voltage / open circuit	P0563	High system voltage
P0108	Intake pressure sensor line high voltage	P0231	Oil pump relay open circuit / low voltage fault
P0112	Inlet temperature sensor line low voltage	P0232	High voltage fault of oil pump maintenance appliance
P0113	Intake air temperature sensor line high voltage or open circuit	P0458	Low voltage fault of carbon tank cleaning control solenoid valve
P0117	Coolant temperature sensor line with high voltage or open circuit	P0459	High voltage failure of carbon tank cleaning control solenoid valve
P0118	Coolant temperature sensor line with high voltage or open circuit	P0601	ECM check code error
P0261	1 cylinder injector low voltage fault	P0650	MIL fault
P0262	1-cylinder injector high voltage fault	P0850	Notral / clutch input fault
P0264	2-cylinder injector low voltage fault	P0264	Engine speed output is low voltage
P0265	2-cylinder injector high voltage fault	P0693	Engine speed output is high voltage
P2300	1 The cylinder ignition coil is low voltage	P0171	The system is too thin
P2301	1 The cylinder ignition coil is high voltage	P0172	The system is too strong
P2303	2-cylinder ignition coil with low voltage	P0174	The PE mode system is too sparse

Example: 0131 oxygen sensor shor-circuit.

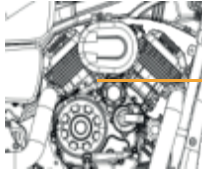
The fault lamp flashes 10 time consecutively, then 1 time, then 3 times, and then 1 time.



- During engine operation, the fault light is not on, while the fault light flashes after turning off, which indicates it is ,a history faulty, there is no impact on the whole vehicle, and it will disappear by itself in the future.

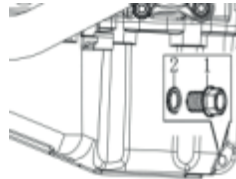
Change the engine oil (or together with the oil filter)

1. Screw the screws into the screw fixing holes of the rear flat fork landing gear, and then use the landing gear to lift the vehicle so that the rear wheel leave the ground and ensure that the vehicle is stable.
2. Start the engine, warm up for 2-3 minutes and turn off.
3. Place a container under the engine to collect used oil.
4. Remove the oil cap, oil drain bolt and washer of the engine to drain the oil.



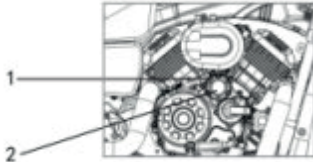
Oil filler

1. Engine drain bolt
 2. Washer
- The oil drain bolt is located at the bottom of the engine



5. Remove the oil cover with a T-sleeve

1. Oil compartment lid screws
2. Oil compartment cover



NOTE :

- If the oil filter does not need to be replaced, skip steps 5-7.

6. Apply with clean engine oil to the new oil filter.



7. Install a new oil filter and fasten it in place.

8. Screw the oil drain bolt, fill the recommended new oil, add to the upper engraving plate (upper limit mark), install the oil hole screw cover, check whether there is oil leakage, and be sure to wipe off the oil splashed on the parts.

Oil filling amount:

3.0L after reloading the engine, and and 2.8L after changing the oil filter element.
Must use oil grade: oil grade 10W-40 oil. SG or above gasoline engine

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

NOTE :

- The engine runs when the oil is low, which will cause damage to the components. Too much oil can affect the speed of the vehicle and even damage engine parts.

Regular maintenance

Regular inspection, adjustment and lubrication can keep your vehicle in the safest and most efficient operating condition. The intervals of the periodic maintenance table should only be used as a general reference and may be shortened depending on the climate, geographical location, topography and purpose of use.

WARNING

● If the vehicle is not properly maintained, or the vehicle is maintained in an incorrect way, the risk of injury may be increased during riding. If you do not know how to maintain the vehicle, please contact with TOGO motorcycle dealers or service outlets.

WARNING

● Unless otherwise specified, please turn off the engine during vehicle maintenance. Engines that are not stalled may come into contact with the body or clothing and cause injury, and sections of the circuit may cause electric shock or fire. Performing service or maintenance work when the engine is running can cause eye injury, fire, or cause carbon monoxide poisoning.

WARNING

● After the motorcycle is ridden, the engine, exhaust pipe, brake disc, disc brake calipers, and brake pads may become hot, and in order to avoid scalding, each part can be touched after cooling.

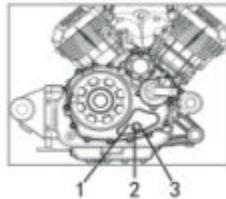
Spark plug

Spark plug is one of the important parts of the engine, need to be checked regularly, because the carbon deposits of the spark plug will erode the spark plug, so it needs to be removed regularly for inspection and maintenance, the condition of the spark plug can also show the combustion status of the engine combustion chamber. Inspection 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 engine is in poor condition, in such cases, please go to the TOGO motorcycle dealer service for inspection. If the spark plug is not damaged, check whether the electrodes are ablated, if there is damage, the spark plug should be replaced.

NOTE :

- Before installing the spark plug, apply the feeler gauge to measure the spark plug gap. If necessary, adjust the clearance to the specified value.
- Spark plug model: CPR8EA-9 (NGK)
- Spark plug gap: 0.8-0.9mm clean spark plug gasket surface and contact surface. And clean the spark plug thread from dirt.
- Spark plug thread torque: 25 Nm When installing the spark plug, in order to prevent the thread from buckling and damaging the spark plug installation thread of the cylinder head, you must first screw the spark plug into place by hand, and then tighten it with a spark plug wrench. When removing the spark plug, do not allow impurities to enter the engine through the spark plug hole.

Oil and oil filter



1. The upper limit mark of the oil level.
2. Engine oil level observation window.
3. The lower limit mark of oil level

- Before each riding, the engine oil volume should be checked. The rear of the right crankcase cover is equipped with an oil level observation hole to observe the oil level. In addition, the oil and oil filter should be replaced regularly according to the maintenance schedule.

Check the engine oil level

1. Place the motorcycle on the ground: the vehicle is perpendicular to the ground; Vehicle tilting can misjudge the amount of oil.
2. Start the engine, warm up for 2-3 minutes and turn off the engine.

NOTE :

- Check the amount of oil after the engine is cooled to avoid misjudgment caused by high oil temperature.
- 3. Let the engine sit for 5 minutes to allow the oil to settle. Then check the oil level through the oil level observation hole on the right cover of the engine.
- The oil level should be between the upper and lower markers of the peephole.
- 4. If the oil level is below the lower limit scale, add the recommended oil and add it to the upper limit mark.

Coolant

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



The coolant is composed of coolant and distilled water, which has antifreeze function. The temperature of the engine is reduced by circulating heat dissipation through coolant. When the new vehicle leaves the factory, the coolant has been added, and pay attention to the height of the coolant during maintenance.

If it is below the lower limit, it should be added at the right time: open the lid of the kettle, fill the kettle with coolant, and add it to the upper limit or so. When the coolant in the radiator becomes cloudy or reaches the maintenance interval, replace the coolant in time.

If the coolant, water tank or kettle have been replaced, add it as follows: place the motorcycle on flat ground, hold up the single bracket, unscrew the water tank cover, add coolant until it is full. Attach the tank cap and screw tightly. Start the cold vehicle in idle condition, keep running for 2-3 minutes, open the lid of the kettle again, and continue to add coolant until it is fully filled. Repeat 3 times as above doing. Then attach the tank cap and tighten it. Open the lid of the kettle and add into about 400ml of coolant.

CAUTION

- If there is no coolant replenishment, no choice but to use distilled water without any other impurity elements for a short time, it is not allowed to use tap water, well water, including mineral water, rainwater, river water, mountain spring water, salty water or any other water containing impurity elements. Avoiding to cause damage to the internal parts of the cooling system. If you urgently use distilled water instead, please also go to the service point or dealer of TOGO MOTORCYCLE immediately to replace the coolant.
- When the engine temperature reaches about 110 degrees, the sensor is turned on and the induction light in the instrument is on, which indicates that the engine needs to stop and rest, otherwise the engine will overheat and damage.

CAUTION

- Please use 3500 anti-rust and antifreeze as coolant. The coolant is toxic and corrosive, so it should never be contacted with the surface of the skin or motorcycle parts. The discarded liquid should be recycled and disposed of by the recycling center to avoid polluting the environment. The engine is not allowed to open the water tank cover at high temperatures to avoid injuring people from hot water spraying. If you need to disassemble the cylinder block for engine maintenance, drain the coolant first to prevent the coolant from entering the crankcase.

Cooling system check

The cooling system is checked for water leakage every 400km: whether there is leakage at the connection of the water pump and the circulating pipe, whether the circulating pipe is damaged and aging, and hold the hose with your hand to see if there are cracks in order to replace it in time. If there is any leakage, please contact the maintenance personnel and do not disassemble it privately. Check the height of the liquid level of the kettle, and require the liquid level to be between the upper and lower limits, and replenish the coolant in time.

Adjustment of the clutch

- 1- lock nut
- 2- adjust the screw



Hold the clutch handle tightly, operate the clutch handle, and the end of free stroke is 10~20mm before obvious resistance.

Brake system inspection

- The brake system will wear out after a certain period of time, and when the wear reaches a certain extent, please hand it over to the service point of TOGO MOTORCYCLE for replacement. The limit thickness of the brake disc is 3mm. The items of the brake system inspection before driving every day are as follows:
- Check the liquid level in the brake fluid cup; Check the brake system for leakage.
- Check the brake fluid hose and brake fluid cup for leakage or cracks.
- Check the wear of brake discs and brake friction pads.
- The front brake handle stroke is 10-20mm, and the free stroke of the rear brake pedal is 20-30mm.



- Hydraulic disc brakes work under high pressure, in order to ensure safety and reliability, the replacement time of brake fluid hose, brake fluid cup and brake fluid should not exceed the time specified in this guidebook.

Brake system inspection

1. Front brake lever



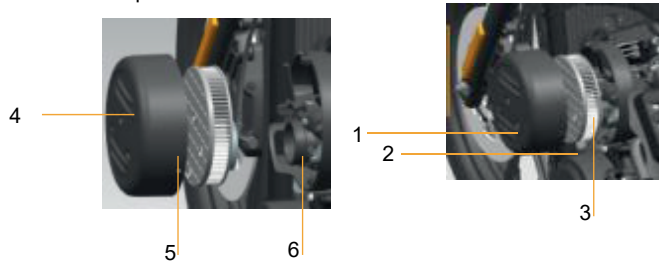
Front brake lever

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

Replace the air filter

The air filter should be regularly maintained according to the regular maintenance and lubrication cycle table, and if driving in particularly wet and dusty areas, it should be often checked and replaced.

1. Filter cover
2. Air filter cover locking screw
3. Air filter clamp

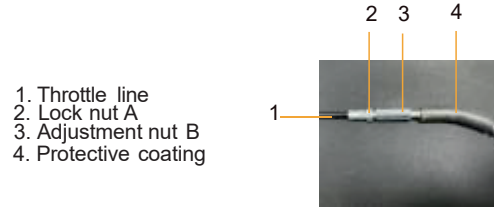


4. Load the new air filter into the air filter case.
5. Load the air filter into the throttle valve body and tighten the clamp.
6. Install the screw of air filter cover.

NOTE :

- Do not run the engine before installing the air filter to avoid the air with dust going in the engine resulting in excessive wear of piston and cylinder.

Throttle cable adjustment



1. Throttle line
2. Lock nut A
3. Adjustment nut B
4. Protective coating

1. Check whether the throttle handle sleeve rotates flexibly from the fully open position to the full closure position;
2. Check whether the throttle cable is from from the throttle handle to the throttle body. If the cable is twisted, stuck or improperly routed, the cable should be replaced.
3. Check whether the free stroke of the throttle handle sleeve idling is in the gap of 2~6mm.

When adjustments are required:

Pull the protective coating aside, loosen the lock nut A, and then turn the upper adjustment nut, if you still need to adjust the loosening nut A and B; Adjust the adjusting screw. After adjusting to 2~6mm free stroke, lock the adjustment nuts A and B. Then put the protective coating in place.



●When operating the brake lever, if there is a soft or spongy feeling, it means that there is air in the hydraulic brake system, please leave it to Xiangshuai Heavy Machinery motorcycle service point or dealer or service outlet for elimination before riding, if there is air in the brake system, it will reduce the braking effect, resulting in an accident of the vehicle losing control.

Adjustment of the rear brakes

1. Rear brake pedal lever
2. Rear brake pedal position adjustment bolt

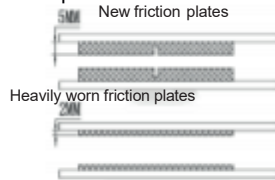


●Hold the motorcycle and ensure that the rear brake pedal travels freely from the free state to the first time the brake starts working. If adjustments required, loosen the lock nut, adjust the exposed length of the adjustment bolt, increase or decrease the free stroke of the pedal lever. Trample pedal lever of the rear brake a few times, then release the brakes and rotate the rear wheels to check if they can turn freely. When it is suitable, tighten the nut.

Check the front and rear friction pads

Check whether the friction pads are worn to the limit position

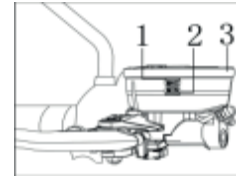
Please follow the provisions of the regular maintenance and lubrication table, regularly check the front and rear friction pads, the wear limit thickness of each brake disc can not be less than 3MM, if it has exceeded the limit and almost touches the disc, please go to TOGO motorcycle dealer or service point to replace the friction pads.



Check the amount of brake fluid

Front brake

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



Rear braking

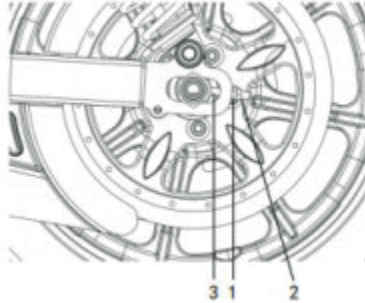
1. Rear brake cup cap.
2. Maximum limit mark.
3. Minimum limit mark.



●The brake fluid in the hydraulic disc brake should not be mixed with moisture and other impurities, otherwise it will seriously damage the brake system and cause brake failure. Brake fluid is highly corrosive, do not allow it to splash on paint surfaces or plastic parts. Only DOT4 brake fluid can be used.

Adjustment and replacement of drive belts

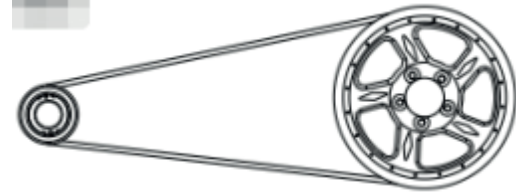
Lift the vehicle with the landing gear so that the rear wheels are off the ground to ensure the vehicle is stable



1. Adjusting nut (M5 hex wrench)
2. Lock nut
3. Adjuster

1. Shift the gear to neutral condition and the engine stops working (turn off the ignition).
2. Loosen the rear axle nut, loosen the lock nut of adjuster, and adjust the adjusting nut by the same movement amount.
3. The belt is adjusted to the appropriate tightness, and the adjusters on the left and right sides should be in the same position.
4. Tighten the rear axle nut and tighten the lock nut.

Replacement of drive belt



1. Loosen the rear wheel axle nut and loosen the belt tightening adjustment screw.
2. Remove the left rear shock absorber and remove the belt. When installing, install the belt in reverse order of removal and adjust the belt's tightness. After installation, turn the rear wheel and judge that there should be no friction on the belt-related parts.
3. The belt tension standard is 55-60HZ.

NOTE :

- After installation, it is necessary to ensure that the adjusters is balanced left and right, and tighten the fixing nut.

Inspection and lubrication of all control cables

Before each riding, check the condition of the throttle grip ,throttle cable, clutch cable, if necessary, lubricate these cables and both ends of the cables, if the cable is damaged or cannot pull smoothly, please go to TOGO motorcycle dealers or service outlets to check or replace.

NOTE :

- If the coating of the cable is damaged, the cable will be rust, and the cable can not be pulled smoothly please replace the damaged cable in time to avoid unnecessary conditions.

Lubricate the front brake handle, clutch handle

Lubricating position



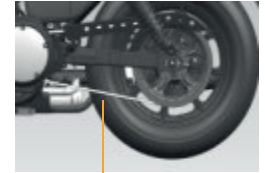
Front brake handle

Lubricating position



Clutch handle

Inspection of the drive belt



Drive belt

Please check the length of the drive belt, as well as the contact surfaces of the big and small pulleys before each riding. Please check the condition of the belt and gear regularly in accordance with the provisions of the maintenance manual.

NOTE :

- If the large and small pullets of the drive belt have reached the wear limit, please contact TOGO motorcycle dealers or service outlets for inspection and replacement.
- Shift the gear to neutral condition and the engine stops working (turn off the ignition).
- Use your finger to move up and down in the middle between the front and rear belts to see if the tightness of the belt is normal. Check the wear of the drive belt if the belt teeth are defective, worn too much, and if the belt is too long, it should be replaced. Check the wear of large and small pulleys. If the pulley teeth are seriously worn, missing teeth, and broken teeth, they should be replaced.

Inspection and lubrication of side brackets

Lubrication of side brackets



WARNING

- If the side bracket cannot rise and fall smoothly, please go to the Xiangshuai Heavy Machinery dealer or service outlet for maintenance, otherwise the side bracket may touch the ground while riding, causing the driver to lose control of the vehicle.

Shock absorber before inspection

- Check the condition of the fork regularly in accordance with the provisions of the maintenance manual.
 - Please check whether there are scratches, wear and oil leakage on the surface of the shock absorber cylinder core.
1. Park your vehicle on flat ground and keep your vehicle upright.
 2. Grasp the front brake and press down firmly on the handlebar several times. Check that the front shock absorbers with smooth compression and rebound.

NOTE :

- If any damages are found or the front shock absorber cannot be operated smoothly, please contact the dealer or service point of Xiangshuai Heavy Machinery for inspection or replacement.

Steering column check

Please check the steering column regularly according to the maintenance regulations in this manual, as worn or loosen steering column bearings may cause dangerous conditions.

1. Insert the screw into the rear flat fork shaft hole, and then use the landing gear to lift the vehicle so that the rear wheels leave the ground to ensure that the vehicle is stable.
2. Grasp the lower part of the front shock absorber and try to shake it forward and back. If you can feel a gap, please contact the TOGO motorcycle dealer or service outlets for inspection and maintenance.

Check the front and rear wheel bearings

Regularly check the vehicle bearings for wear in accordance with the maintenance manual. If there is cross-clearance between the left and right sides of the wheel or the wheel cannot rotate smoothly, please contact TOGO motorcycle dealer or service outlet for inspection and maintenance.

Check the battery

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



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

WARNING

● Battery electrolyte contains sulfuric acid, which is toxic and dangerous, causing severe burns, so avoid contact with skin, eyes, or clothing. When working near batteries, bring goggles. If you accidentally come into contact, please take the following first aid measures:

- Accidental drinking: Drink a lot of water or milk in the body and send it to the hospital immediately.
- Accidental entry into eyes: Rinse immediately with water for 15 minutes and immediately send to the hospital.
- The battery will produce explosive gases, please keep away from sparks, flames, cigarettes and other fire sources, and maintain sufficient ventilation when charging in a closed space. The battery will produce explosive gases, please keep away from sparks, flames, cigarettes and other ignition sources, and maintain sufficient ventilation when charging in an enclosed space.
- Keep the battery out of the reach of children.

Check the charging of the battery

If you feel that the battery is insufficient, check the voltage across the battery, such as 12.3V or less, please charge it immediately, if the vehicle has other optional electrical accessories, so that the battery discharge faster.

Storage of batteries

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

WARNING**NOTE :**

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

NOTE :

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

- When installing the battery, connect the negative wire first, and then connect the positive wire.

3. After installation, confirm that the battery wires are connected correctly.

NOTE :

- When installing and removing the battery, connect the negative wire first, and then connect the positive wire.

Replacement of fuses

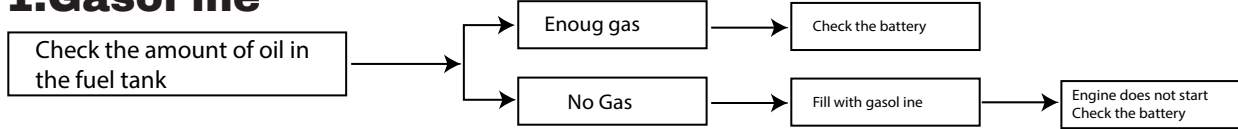
The cable fuse box, which contains fuses for other circuits, located under the seat cushion of the vehicle, and if the fuse burns, replace the fuse as follows.

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

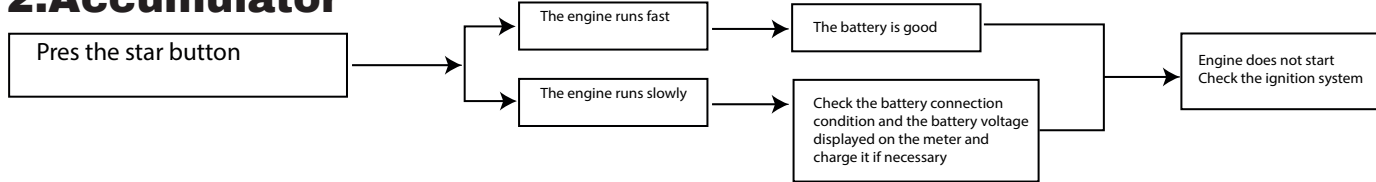
- Do not replace the fuse larger than the specified number value to avoid damage to the electrical system and cause fire.

Troubleshooting table
Starting problems or engine performance

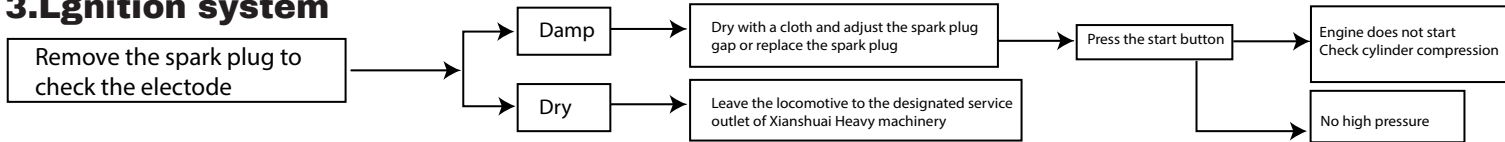
1. Gasol ine



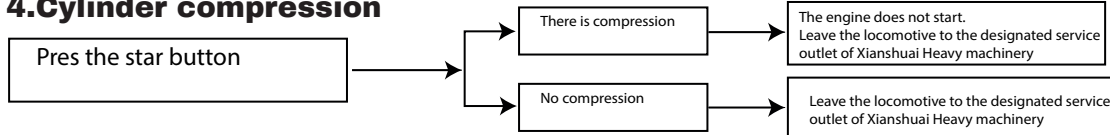
2. Accumulator



3. Lgnition system



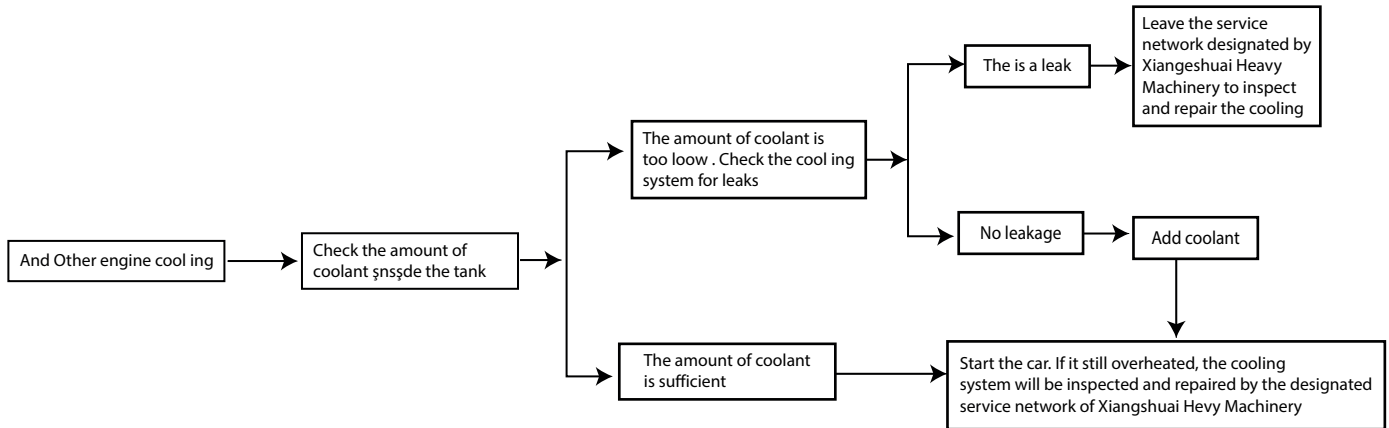
4. Cylinder compression



The engine overheats



- When the engine water tank is hot, do not remove the cover of the water tank. Hot coolant and steam can spray out under pressure, causing serious scalding accidents. Be sure to wait until the engine has cooled down before proceeding.
- Cover the lid of the tank with a thick cloth such as a towel, slowly screw the cover to the edge of the card slot in a counterclockwise direction to release the remaining pressure in the tank, press the lid down when it is finished, and then rotate it counterclockwise to remove.



800S

NO.	Maintenance item	Kilomet number of the maintenace cycle							Remarks
		1000KM	7000KM	14000KM	21000KM	28000KM	35000KM	42000KM	
1	fuel system	Check up	Check up	Check up	Check up	Check up	Check up	Check up	Adjust if necessary
2	Manipulating the lasso	Check up	Check/Adjust	Impediment / adjustment	Check/Adjust	Check/Adjust	Impediment / adjustment	Check/Adjust	
*3	Electic spray system	Check/Adjust	Impediment / adjustment	Check/Adjust	Impediment / adjustment	Impediment / adjustment	Check/Adjust	Impediment / adjustment	Adjustment by professionals
4	Fuel oil filter	The examination of oneself	The examination of oneself	The examination of oneself	Check up	Check up	The examination of oneself	Check up	Replace the original spare parts if necessary
5	Air filter elements	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Replace the original spare 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	The examination of oneself	Check up	The examination of oneself	Check up	The examination of oneself	Check up	Check from	Adjustment by professionals
8	Engine lubricating oil	Renewal	Renewal	Renewal	Renewal	Renewal	Renewal	Renewal	
*9	Lubricating oil purifier	Wash		Wash	Clean ash	Wash	Wash	Wash	Replace the original spare parts if necessary
*10	Timing chain	The examination of oneself	The examination of oneself	Check up	The examination of oneself	The examination of oneself	The examination of oneself	The examination of oneself	Adjust if necessary
*11	Idling	The examination of oneself	The examination of oneself	Check up	The examination of oneself	The examination of oneself	Check up	The examination of oneself	Adjust if necessary
12	Chain	Check for every 2000KM							

Note : When driving in areas with abnormally wet or dusty areas. the maintenace interval be appropriately shortened. Items marked with * can only be adjusted by professionals.

800S

NO.	Maintenance item	Kilomet number of the maintenace cycle							Remarks
		1000KM	7000KM	14000KM	21000KM	28000KM	35000KM	42000KM	
13	Storage battery	Check up	The examination of oneself	Check up	Check up	Check up	Check up	Check up	Do not for a long time. Should be charged once a month
14	Brake lining	The examination of oneself	The examination of oneself	Check up	Check up	Check up	Check up	Check up	The thicknees of the friction area shall nit be less than 2mm
*15	Brake assembly	Check the interface	Check up	Check up	Check up	Check up	The examination of oneself	Check up	
16	The brake ligt is beatiful	The examination of oneself	Check whether	Check up	Check up	Check up	Check up	Check up	
17	Lighting system	The examination of oneself	Check up	Check up	Check up	The examination of oneself	The examination of oneself	Check up	
*18	Clutch	The examination of oneself	The examination of oneself	The examination of oneself	Check up	The examination of oneself	The examination of oneself	The examination of oneself	
*19	Shock absorber	Check up	Check up	The examination of oneself	Check up	Check up	Check up	Check from	
20	Bolt / nut	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Critical bolt adjustment torque
21	Front and rear tires	Check up	Check up	Check up	Check up	Check up	Check up	Check from	
22	Direction pressure bear ing	Impediment / adjutment	Check /adjust	Impediment / adjutment	Check /adjust	Check /adjust	Impediment / adjutment	Impediment / adjutment	Adjust by professionals when necessary
23	Coolant liquid	Impediment / adjutment	Impediment / adjutment	Impediment / adjutment	Check /adjust	Check /adjust	Impediment / adjutment	Check /adjust	

Note : When driving in areas with abnormally wet or dusty areas. the maintenace interval be appropriately shortened. Items marked with * can only be adjusted by professionals.

Headlamps

This machine is equipped with LED headlights, if the headlights do not light up, please go to our heavy cruiser motorcycle dealers or service outlets to check the electrical wiring.

NOTE :

- Do not attach any colored film to the headlamp lens.

Front position light

This machine is equipped with LED front position light, if the front position light is not on, please go to our heavy cruiser motorcycle dealer or service outlet to check the electrical wiring.

Taillight/brake light replacement

This machine is equipped with LED integrated brake light tail light, if the brake light tail light is not on, please go to our heavy cruiser motorcycle dealer or service outlet to check the electrical wiring.

Replacement of front turn signals

replacement of front turn signals

- this machine is equipped with LED front turn signals, if the turn signals do not turn on, please go to our heavy cruiser motorcycle dealers or service outlets to check the electrical wiring.

Care

Even with the highest quality parts, it is easy to rust and corrode. Regular and correct care not only meets the requirements of maintenance, but also makes your locomotive look beautiful, extend its service life and give full play to its performance.

1. After the engine cools, put a plastic bag on the tail of the exhaust muffler.
2. Make sure all covers, plugs, and all electrical connectors and terminals (including spark plug caps) are properly installed.
3. Remove dirt.

NOTE :

- Do not use strong acidic detergent, if you use such cleaning products, do not let the detergent remain for too long. Also, immediately dry with a soft towel after rinsing with clean water and spray with anti-rust spray.
- Improper cleaning can damage shrouds, panels, windshields, headlamp shades, odometer covers, and other plastic parts. Only use a soft cloth and sponge dampened with water. If there is dirt on the plastic that cannot be removed with water, the neutral detergent can be diluted with water. Please rinse the remaining detergent with clean water to avoid damaging the plastic parts.
- Do not use high-pressure car washers or steam jet cleaners for cleaning, as they can cause water leakage and deterioration of the following parts: sealing parts (wheel bearings, forks, brake and fork bearings), electrical components (meters, connector terminals, switches, lamps), ventilation hoses, ventilation ducts, and cables.

Deposit

Store for a short time

Please store the locomotive in a dry and cool place; Cover with a dust cover if necessary to keep out dust, and make sure the engine and exhaust muffler have cooled before removing the cover.

It needs to be stored for a long time for several months

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

800S

Vehicle dimensions
Full length: 2155mm
Full width: 870mm
Full height: 1160mm
Wheelbase: 1510mm
Minimum ground clearance:
180mm
weight
Curb weight: 275KG
motor
Form: Four-stroke, DOHC
Cooling method: water
cooling
Number of cylinders:
parallel twin cylinders
Displacement: 800ml
Bore*Stroke:
Bore 91mm
Stroke 61.5mm
Compression ratio: 11.5:1
Start mode: electric start
Environmental standards:
Standard Country IV
Engine oil
Grade: 10W-40
Grade: API/SG or higher
Coolant capacity
Water tank capacity: 1600ml
Air filter
Air filter element: paper
element filter element
gasoline
Recommended gasoline:
unleaded gasoline above 92#
Fuel tank capacity: 11L

Spark plug
manufacturer/Model: CPR8EA-9
(NGK)
Spark plug gap: 0.8-0.9mm
Clutch type
Wet, multi-piece, manual
transmission
Primary drive ratio: 2.21
Final drive: belt
Gear type: 6 gears /
international gear
Frame
Frame form: steel tube braided
frame
Front angle: 29°
Front tires
Tire type: high-speed tubeless
Tire model/specification: 130/70- 19
Rear tires
Tire type: high-speed tubeless
Tire model/specification: 240/45- 17
Maximum load capacity
Load limit: 404KG
*(Total quantity limit for riders ,
passengers, cargo and
accessories)
Tire pressure
Front wheels: 250Kpa
Rear: 250Kpa
Front hub
Hub form: aluminum alloy casting
Wheel specifications: 2.5*19

Rear hub
Hub form: aluminum alloy
casting
Wheel specifications: 3.5*17
Front brake
Type: Single caliper
hydraulic disc type
Operation mode: right handle
Specified brake fluid: DOT4
Rear braking
Type: Single caliper
hydraulic disc type
Mode of operation: right foot
brake pedal
Specified brake fluid: DOT4
Front suspension
Type: Front minus upright
Shock absorber type:
hydraulic shock absorber
Rear suspension
Type: Upright
Shock absorber type: spring/
oil pressure
Electrical installations
Ignition system: Ignition
ignition system
Charging system: AC engine
accumulator
Model: DTX12-BS
Voltage and capacity:
12V12Ah
Lamp voltage, watts and
quantity:
Headlamps: LED, DC12V
High beam 10W Low beam 7W

Tail light/brake light:
LED, DC12V
1.65W/2.5W
Front turn signals: LED,
DC12V1W
Rear turn signals: LED,
DC12V 1W
Position light: LED, DC12V
0.5W license plate light:
LED, DC12V 1W
Dashboard light: LED
High beam indicator: LED,
DC12V Engine failure
warning light: LCD
ABS warning light: LCD
Fuse:
Total fuse: 15A
Lighting fuse: 10A
EFI fuse: 10A
ABS fuse: 3A



TOGO

MOTORCYCLE

KOLAT

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