

# FOREWORD

Thank you for your purchasing motorcycle.

This manual covers the main data, basic structure, and main procedures of operation, adjustment, maintenance and troubleshooting of motorcycle. It will help you familiarize yourself with all the necessary skills so that you will bring your vehicle into full, best play with minimized trouble for a long service life.

Products are always subject to further improvement, which will cause some difference between the vehicle and this manual, without further notice.

After vehicle goes 10,000kilometers, the emissions still meets the EPA requirements.

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# I .SAFE DRIVE

## Rules for Safe Drive

Check must be conducted, before starting the engine, to prevent mishaps and damage to components.

Only the qualified person, who has passed the drive examination and to whom a drive license has been issued, is permitted to drive the vehicle but not anybody else without a drive license.

Full preoccupation is required during drive, paying attention to the following points to avoid any possible hurt to you by other motorized vehicles:

Do not drive too close to other vehicles;

Never contend for lane.

Strictly observe the local traffic rules.

As driving at overspeed is the cause of many accidents, do not drive at a speed the actual situation does not permit.

Turn on the turnlight when making a turn or changing the lane.

Particular care should be exercised at the level crossing of roads, entrance and exit of parking lot or on the automobile lane.

During drive, grasp the left handlebar by the left hand and the throttle twist grip by the right one, with feet on the footrests.

The luggage carrier is designed for carrying light goods, which should be securely fastened to prevent loose movement that may cause mishaps during drive.

## Protective Wear

1. Protective wear such as helmet with protective mask, dustproof glasses and gloves should be worn during drive for the sake of personal safety.

2. The passenger should wear high boots or long clothes to protect legs from hurt by the heated exhaust silencer during ride.

3. Loose clothes are not suitable for motorcycle drive or ride as they may get caught on the operating lever, kick lever, footrest or wheel, resulting in danger.

Modification of the vehicle

### *Caution:*

*Any unauthorized modification of the vehicle or replacement of the original parts can not ensure driving safety and is illicit. The user must observe the regulations of the traffic control authorities. We are not responsible for any vehicle with unauthorized modification.*

Loading of goods

### *Caution:*

*The design of the motorcycle requires distribution of the carried goods in certain extent of equilibrium and improper arrangement of goods will adversely affect the performance and stability of the vehicle. The manufacturer shall not take any responsibility due to the reason mentioned above.*

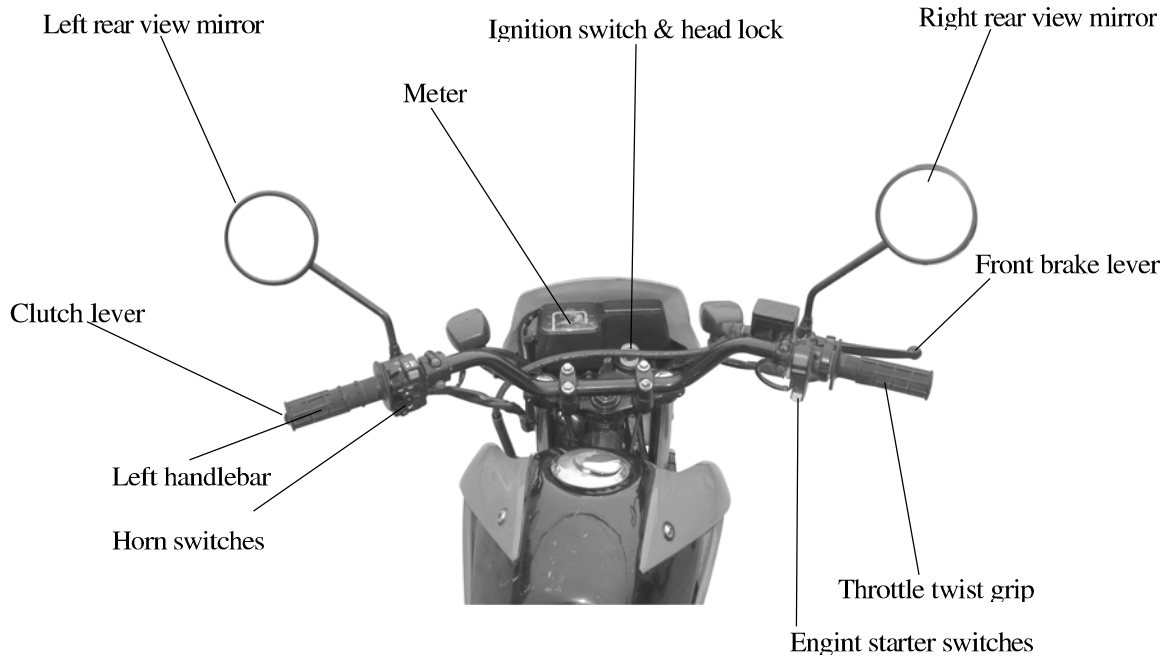
## II .MAIN DATA

Mode No.	BS150GY-18/BS200GY-18/BS250GY-18	Engine	150cc	200cc	250cc
Overall length	2060mm	Cylinder bore x stroke	62mm × 49.5mm	63.5mm × 62.2mm	67mm × 65mm
Overall width	730mm	Compression ratio	9.2:1	9.2:1	8.7:1
Overall height	1180mm	Output,max.	8.2kW/8500r/min	10.2kW/8000r/min	11.5kW/7500r/min
Wheelbase	1380mm	Torque,max	10.5N.m/7000r/min	13.4N.m/6500r/min	17 N.m/5500r/min
Dry weight	119kg	Idling speed	1500r/min	1500r/min	1500r/min
Max. load	150kg(including the driver)	Displacement of cylinder	149.4ml	196.9 ml	229.0 ml
Front wheel	90/90-19	Spark plug	D8TC		
Rear wheel	110/90-17	Spark plug gap	0.6mm~0.7mm		
Speed, Max	≥ 80km/h	Cap of air Valve	Intake valve :0.04mm~0.06mm		
Brake distance	≤ 7m(30km/h)		Exhaust valve :0.05mm~0.06mm		
Climbability	≥ 18°				

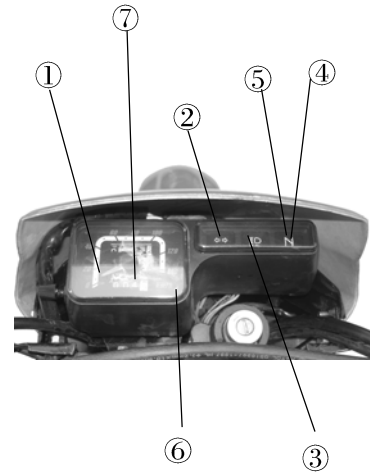
## MAIN DATA

Volure of lubricating oil	1.1L	Fuse	10A
Capacity of gasoline tank	12L	Front light illuminator	12V-35W/35W
Transmission ratio		Taillight/Braking light	12V-5W/21W
1st gear	2.909	Betraying light	12V-5W
2nd gear	1.867	Turnlight	12V-10W × 4
3rd gear	1.389	Neutral light	12V-1.7W
4th gear	1.150	Turn indicatior	12V-3.4W × 2
5th gear	0.9545	Meter light	12V-1.7W × 2
Final ratio	3.125	High beam indicator	12V-1.7W
Primary transmission ratio	3.333	Ignition means	C.D.I
Battery	12V7Ah		

### III .PARTS&SUBASSEMBLIES



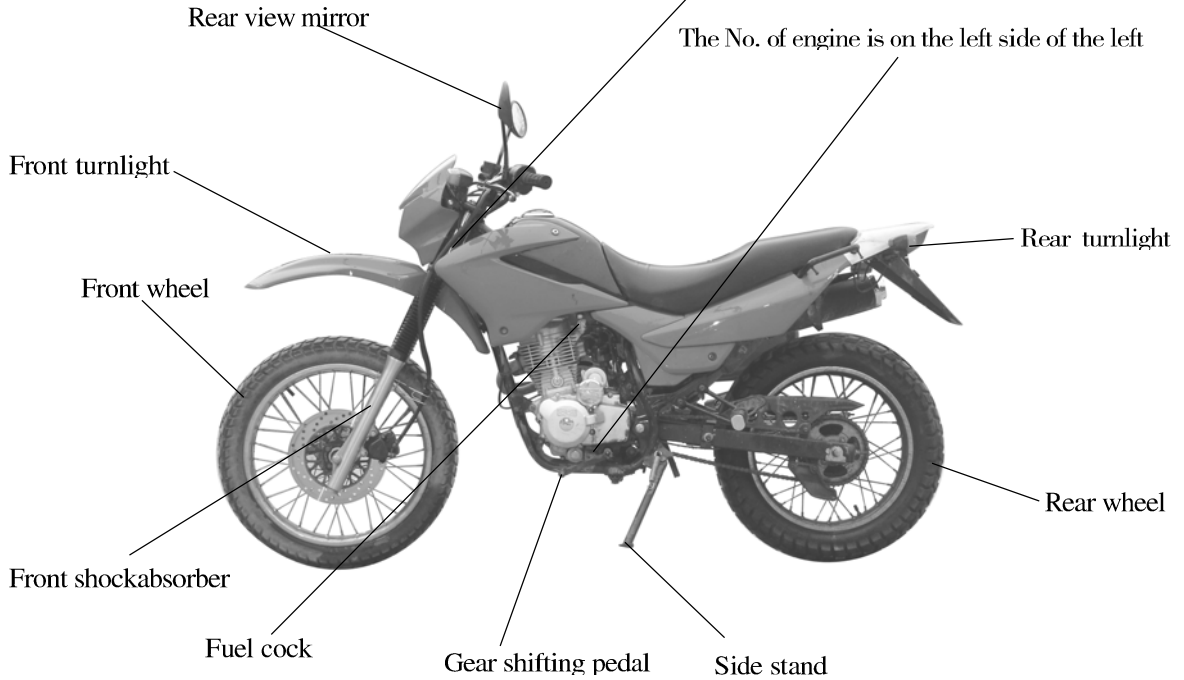
Ser.No	Name	Description
①	Speedometer	In km/h
②	Turn indicator	The left indicator is lit up when the turnlight is to the left and the right one lit up as the latter to the right.
③	High beam indicator	It is lit up when in the neutral position.
④	Gear position display	The gear position is displayed.
⑤	Neutral indicator	It is lit up when in the neutral position.
⑥	Tachometer	It shows the speed (rpm) of the engine.
⑦	Trip mileometer	It shows the mileage of trip.

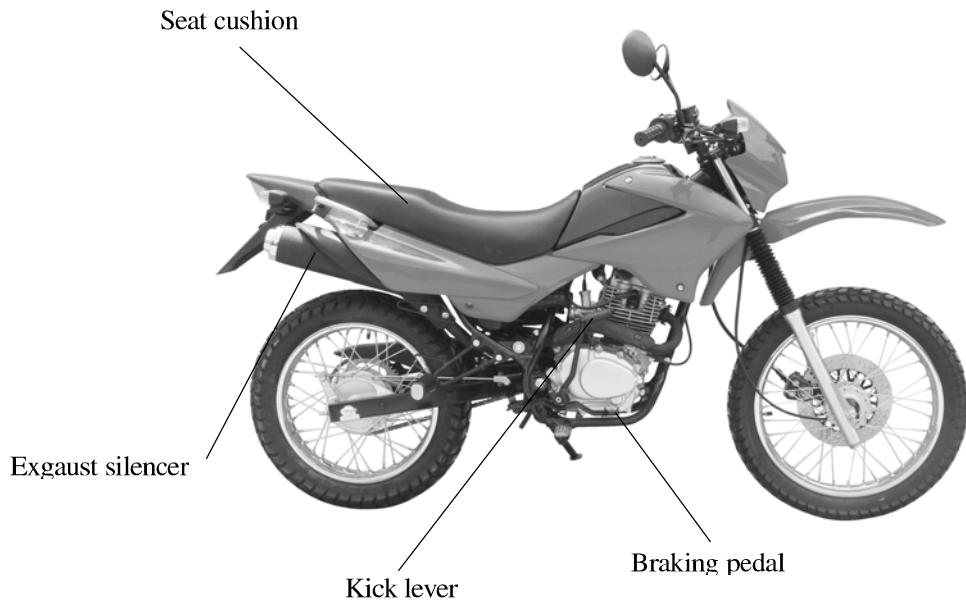




The ser. No. of frame [Vehicle Identification No.(VIN)] is on the right side and the brand on the front

The No. of engine is on the left side of the left



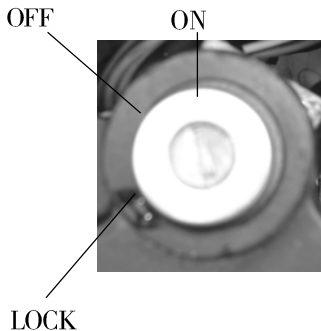


## IV. OPERATION

### Ignition Switch

★ Ignition switch

Position	Function	Remarks
OFF	To stop the vehicle (switching off all circuits)	The key can be removed
ON	For starting or driving the vehicle (making all the main circuits)	The key can not be removed
LOCK	To lock the steering handle	The key can be taken out



### Fuel Cock

#### ① Fuel filling

The capacity of the fuel tank is 12L in total including 1.1L of reserve. Leadless gasoline of No. 90 or above or low\_lead gasoline is required for the motorcycle. To fuel the vehicle, support it by the main stand, open the lock cover of the fuel tank and fill fuel through the opening, and then close the tank in good alignment.

② Operation of the fuel cock (the valve of fuel tank)

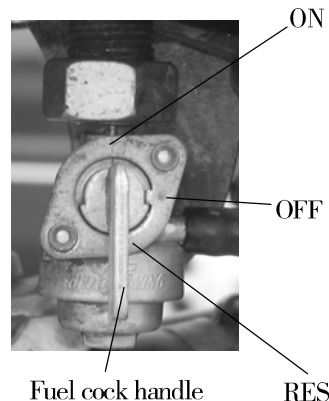
ON: With the handle of the fuel cock to "ON" position, the fuel circuit is through for fuel supply.

OFF: With the handle of the fuel cock to "OFF" position, the fuel circuit is cut off without


supply.

RES: With the handle of the fuel cock to RES position, the fuel is supplied from the reserve.

(Note: The reserved fuel can only be used when the normal supply is run out.) In this case, refueling should be carried out as soon as possible, for there is only some 0.8L of fuel reserve for use.



## Engine Starting

- ① Set the key of the ignition switch to “ON” position.
- ② Set the emergency stop switch to “” position.
- ③ Ascertain the neutral position, where it should be

displayed.

- ④ Ascertain the amount of fuel in the tank.
- ⑤ Set the fuel cock handle to “ON” position.

★ To start a cold engine:

① Pull up the choke bar of the carburetor ( to close the choke ).

② Rotate the throttle twist grip by 1/8 to 1/4 turn.

③ Start the engine by the electric or the kick starting system.

④ Slightly turn the throttle twist grip to increase the speed of the engine so as to warm up the engine.

⑤ Turn the carburetor choke bar downward to "B", fully open the choke when the engine is sufficiently warmed up.

★ *Caution:*

*The engine can only be started after the neutral position is ascertained. Otherwise accident will happen.*

*Unnecessary idle running (especially at a high speed) is harmful to the engine.*

★ Procedures of stopping engine:

① Release the throttle twist grip to slow down the engine.

② Turn to the neutral position.

③ Set the ignition switch key to “OFF” position.


④ Set the fuel cock (the fuel tank valve) handle to “OFF” position.

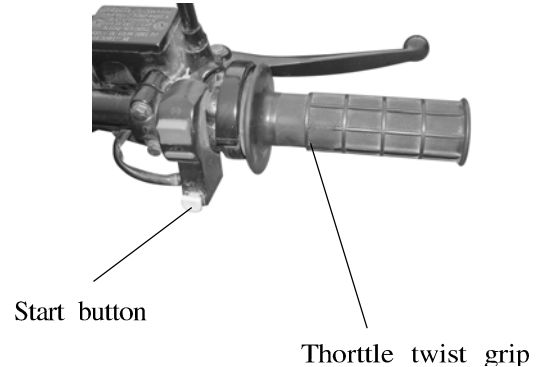
## Switches on Right Handlebar

① Electric start button(no such device for the vehicle of kick start mode only)

The electric start button is located below the headlight switch.The engine will be started by Pressing down this button.

② Emergency stop switch

When starting the engine,set the emergency stop switch in "  "position to directly stop the engine by cutting off the electric power.



## Switches on Left Handlebar

### ① Headlight switch

The Headlight switch has three positions "☀", "P", and "•" (a white point).

"☀": When the switch is in this position, tail, the headlight and meter lights are all lit up.

"P": When the switch is in this position, the tail, betraying and meter lights are lit up.

"•": When it is in this position, the headlight tail, betraying and meter lights are all off.

The headlight and taillight will be lit up only after the vehicle is started.

### ② Light changing switch

☰ position, Headlight is in high beam.

☷ position, Headlight is in low beam.

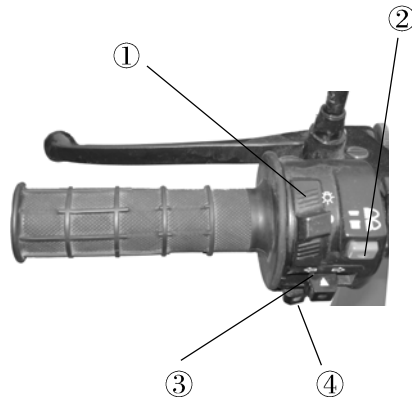
### ③ Turnlight switch

← Position, Left

→ Position, Right

### ④ Horn button

press this button to horn.



## Gear Shifting

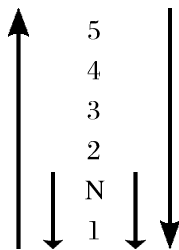
Warm up the engine for normal running.

① When the engine is idling, disengage the clutch and tread the gear shifting pedal to set the gear to the 1st position.

② Gradually increase the speed of the engine and slowly release the clutch lever, with a good coordination between the two operations to ensure a natural driving start.

③ When the motorcycle reaches a balanced state of running, slow down the engine, disengage the clutch again and tread the shifting pedal to change the gear to the 2nd position. The gear can be shifted to other positions in the same way.

Shifting forward



Shifting backward