

Preface

Thank you very much for purchasing 'BAOTIAN' brand motorcycle of model **BT125T-2**, which developed by **BAOTIAN MOTORCYCLE INDUSTRIAL CO., LTD.** And welcome to join the driver's line of BAOTIAN motorcycle. With its extraordinary advantages of excellent quality, smart appearance and shape of legerity, our product will surely bring the utmost pleasure and convenience to your life.

This manual gives you information about the general structure, function, operation and maintenance methods of BT125T-2. In order to enable your beloved motorcycle to render a best performance and a longer life, please read this manual carefully, pay particular attention to the running-in part in it and follow all the operating instruction. It is of great importance to make your riding safer and more comfortable. Experienced staffs in our sale agency and the maintenance shop will also offer excellent service for you.

- Please take an initial examination of your motorcycle after the first 300km running in our designated maintenance shop, and take regular examination in every 1000km thereafter.
- All the direction, illustration and specification included in this manual are based on the latest product information. Please be noted that they may be different from the actual status of the motorcycle if there is new revision on its specification, and no further advice will be given.
- This motorcycle was designed and manufactured which complied with e-mark, the safety standard of Europe Union. Please do NOT change any parts without professional advice and use non-original parts in case of avoiding danger to driver and the broken of traffic laws.

CONTENTS

Guidance	2
Names of parts	4
Controlling parts	5
Starting lever	7
Fuel tank	7
Fuel and engine oil	7
Pre-riding inspection	8
Engine starting	9
Running-in	10
Regular maintenance	11
Tools	17
Technical Parameters	18
Electrical Circuit Chart	20

□ Guidance

Please keep safety in your mind and observe the regulations of transportation while enjoying your riding. Pay attention to the following rules:

1. **Pre-riding inspection**

Please read the details in the relevant chapter for your safety.

2. **Helmet**

Do remember to wear helmet while riding.

3. **Being familiar with motorcycle operation**

It is of great importance to ensure your safety getting familiar with motorcycle operation.

4. **Speed limitation**

Drive at proper speed in accordance with the road condition, the weather and your driving skill.

5. **Position of the label**

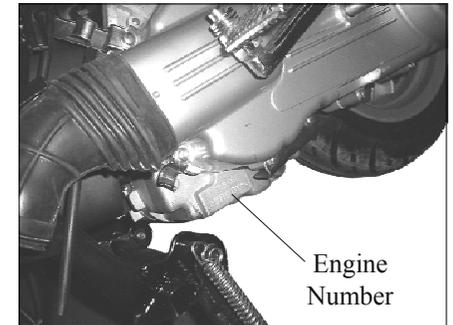
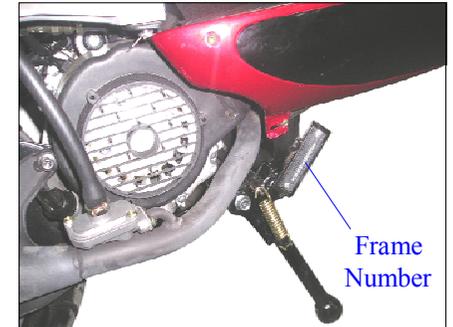
WARNING
It is dangerous to drive on the wet road. Do not make an abrupt turning while accelerating and keep proper distance from other vehicles.

6. Positions of the numbers

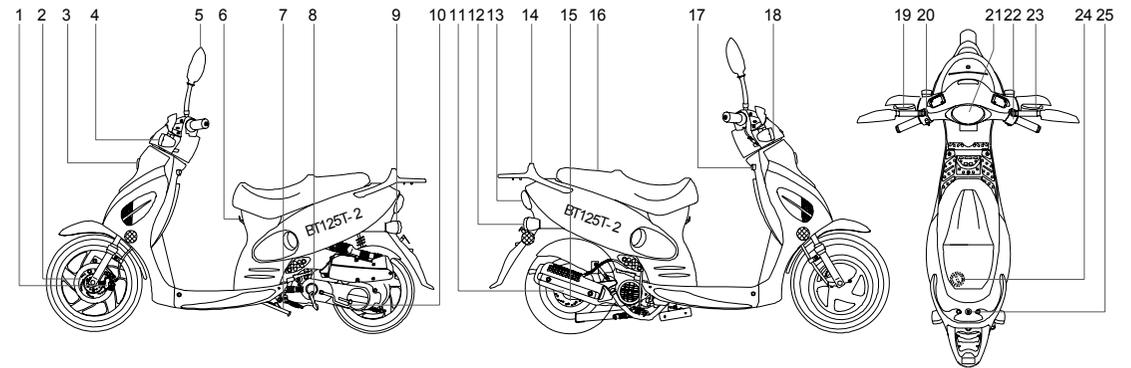
The frame number is on the right side of the motorcycle and the engine number is on the left side. Both are for the purpose of registering the motorcycle. When your motorcycle needs inspection, repair or other special service, the number will enable you to get good service from our sale agency. Please note down your number here:

The frame number: _____

The engine number: _____



□Names of parts

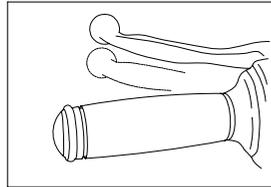


- | | | |
|-------------------------------------|-------------------------------------|--------------------------------|
| (1) Front brake assy. | (9) Left rear turning light | (17) Ignition switch |
| (2) Front brake disk | (10) Starting lever | (18) Right front turning light |
| (3) Head light & front signal light | (11) Muffler | (19) Rear brake lever |
| (4) Left front turning light | (12) Right rear turning light | (20) Left switches |
| (5) Rear view mirrors | (13) Rear signal light & rear light | (21) Meters |
| (6) Helmet hook | (14) hand-hold | (22) Right switches |
| (7) Side stand | (15) Rear brake disk | (23) Front brake lever |
| (8) Main stand | (16) Seat | (24) Fuel tank cap |
| | | (25) Seat lock |

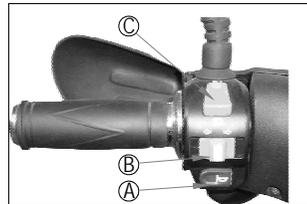
□ Controlling parts

1. Rear brake lever

Hold it tight and the rear brake works.



2. Switches on the left handle



A. Horn button

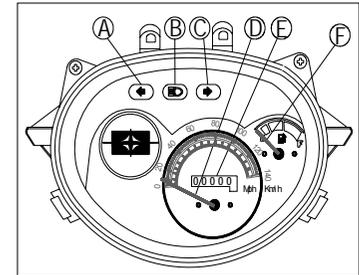
B. Turning signal switch

← Left turning light

→ Right turning light

C. Switch for high/low beam lights

3. Meters and indicating lights



A. Left turning lights indicator

B. High beam indicator

C. Right turning lights indicator

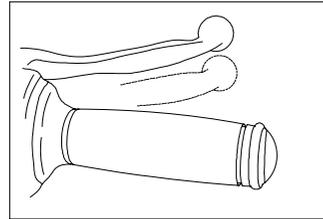
D. Indicates the speed in km/ h and Mph

E. Indicates total distance the motorcycle has run

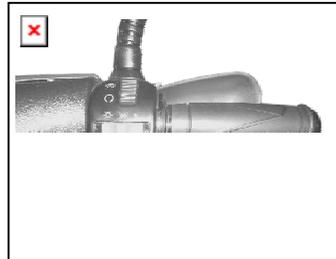
F. Fuel gauge

4. Front brake lever

Hold it tightly and the front brake works.



5. Switches on the right handle



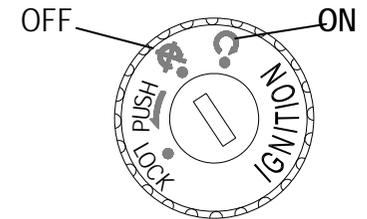
A. Head light switch

B. Electric starting switch

C. Off switch

When the ignition switch is at ON position, hold the brake lever and push the button and then the engine works.

6. Ignition switch



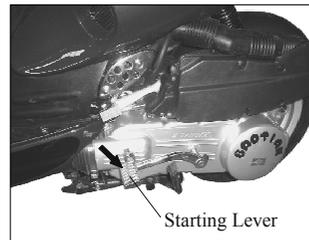
OFF The whole circuit is cut. Engine and lights can not be operated and the key can be withdrew.

ON Engine can be started and all the lights can be operated. The key can not be withdrew.

LOCK Turn the steering handle fully to the left, slightly press the key and turn it to the position lock . Then the key can be taken out.

□ Starting lever

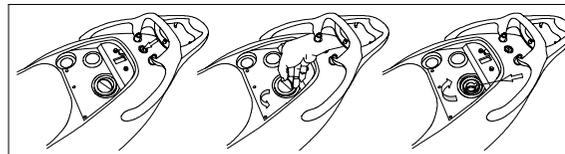
Starting lever is for kicking start of the engine.



□ Fuel tank

Usage of the cap:

1. Insert the key and open the seat.
2. Turn the cap counterclockwise and take off it.
3. Fix the notch, turn the cap clockwise and then tighten it.



Warning

- Turn off the engine when refilling the tank.
- Turn off the cap slowly.
- Align the mark "□" on the cap to the "□" of the tank, loosen or tighten the cap.
- Don't overfill the gasoline over the stated scale.
- Do not add anything into the gasoline.

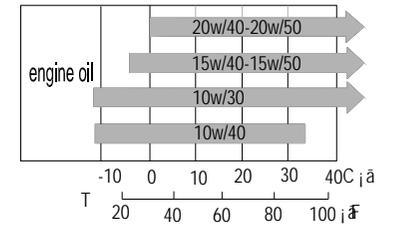
□ Fuel and engine oil

A. Gasoline

High-quality fuel is essential to the engine.

Any sand in the fuel is absolutely prohibited.
93# gasoline and unleaded gasoline is preferred.

B. Engine oil SAE-15w/40



□ Pre-riding inspection

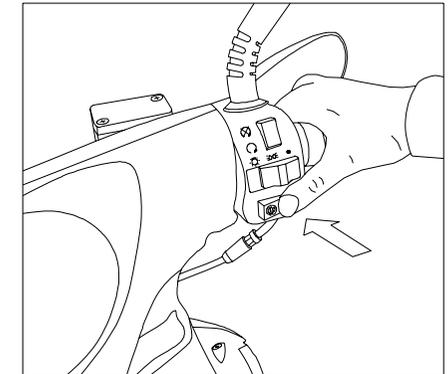
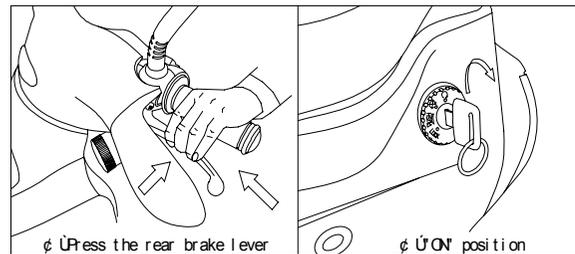
Please check the following parts before you drive.

No.	Items	Inspection content
1	Steering bar	1.Flexibility 2.No gap or loosing appearance
2	Brake system	1.Interval of the front brake and the rear brake 2.No break on the cable 3.Flexible function
3	Tires	1.Proper pressure 2.No crack or cutting
4	Fuel	Sufficient fuel
5	Engine oil	Sufficient engine oil
6	Lights	Workable
7	Horn	Workable
8	Gear oil	With normal stock
9	Throttle	1. Proper gap 2.Flexible function 3.Proper control lever returning
10	All the bolts and nuts	No loosing appearance.

□ Engine starting

1. Please check the volume of machine oil and gasoline before starting. The side stand should be put down while starting the engine.
2. Turn the ignition switch to the "ON" position.

3. Push the starting button and then the engine will be started.



Warning

- Press the rear brake lever in case that the motorcycle rushes forwards abruptly.

Warning

- 5 seconds is the maximum limit for each starting and 10 seconds is the minimum interval.
- Stop pressing the starting button immediately after the engine starts.
- Do not press the starting button while the engine is running, or the start motor will be damaged.
- When using electric starting, please press the rear brake lever in advance to get through the circuit and start the motor.
- When using electric starting, don't operate the starting motor continually. It may cause damage to the starting motor and the battery.
- Warm up the engine after cold starting (about 3 minutes).

4. Kick Starting

Press the brake handle, tread the starting lever heavily and then the engine will be started.

Warning

- After the engine starts, the starting lever should be turned to its original position. Otherwise, it will affect the driver's safety.
- Please don't start the engine in closed places because the wasted gas with CO is harmful to human beings.

Running in

To ensure your motorcycle running in a good condition, please follow the below rules during the new running-in period.

Distance(km)	Speed limitation (km/h)
0-300	30
300-1000	50
1000-----	≤80

□ Regular maintenance

Item \ Interval	Km	300	1000	3000	6000	12000
	Month	New motor	1	3	6	12
Battery		I	I	I	I	I
Nuts on tank cap and exhausting tube*		I	F	F	F	F
Cylinder cap, cylinder and muffler*		--	C	C	C	C
Carburetor		I	I	--	--	I
Air cleaner		Clean it between every 2000km				
Spark plug		I	--	I	R	I
Fuel line		Replace every four years				
Clutch *		--	--	--	I	I
V-strap		--	--	--	I	I
Engine oil		R	R	Replace every 3000km		
Brake system*		I	I	I	I	I
Front fork and steering bearing *		I	I	--	I	I
Suspension system		I	I	--	I	I
Tires		I	I	I	I	I
Nuts, bolts and fastener		I	F	--	F	F
Gear oil		R	Replace every 5000km / 5Month			
Start motor		--	--	--	--	I

NOTE: I=Inspect and clean adjust replace or lubricate as necessary C=Clear, R=Replace, F=fastened
Service more frequently when riding in dusty areas.

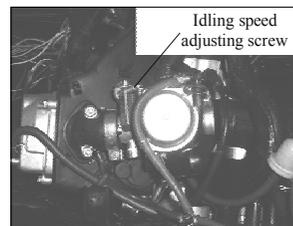
1. Battery

12V/7Ah battery

- When the voltage is less than 11.5V, please use kicking starter instead of electric starting.
- Place the ignition switch to **OFF** position before battery replacement.
- Electrode identification: "+"—red line, "-"—black line.
- Change a new battery every 4 years.

2. Carburetor and idling speed adjustment

- Keep the engine warmed up for 2-3 minutes.
- Adjust the idling speed adjusting screw to gain proper idling speed. The normal idling speed is 1700 rpm.



Warning

- It has been fully adjusted to the highest position when manufactured.

3. Air cleaner

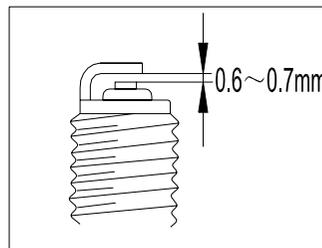


- Pour the non-flammable detergent into a basin and immerse the core of air cleaner into the detergent for cleaning.
- Press the core to squeeze the detergent out of it by the palms. Never twist it in case that it is broken.
- Immerse the core into engine oil.

- Squeeze the excessive oil out but keep it lightly oil immersed.

4. Spark plug

- Clean the carbon deposit on the spark plug with a piece of hard wire or steel needle.
- Adjust the gap to 0.6-0.7mm with a thickness gauge.
- Use A7RTC when replacement is needed.



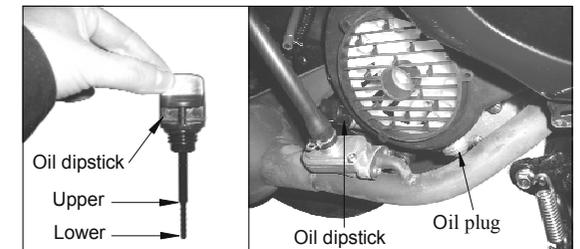
5. Fuel

Refill the recommended unleaded gasoline with 93# or higher when the indicating needle points to the red area in the fuel gauge.

NOTE: *Unleaded gasoline will extend the life of the spark plug and the catalytic converter.*

6. Engine oil

Replace the engine oil when the engine is warm.



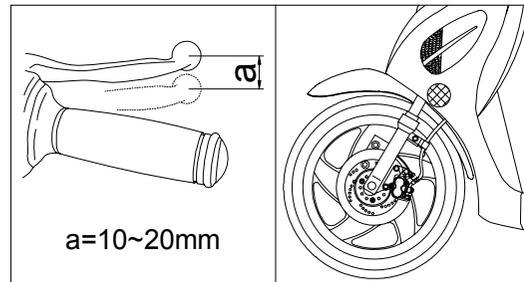
- Remove the oil dipstick.
- Remove the oil plug to drain the used oil.

- Reinstall the oil plug, paying attention to be tightened.
- Refill 0.8 L recommended fresh oil.
- Fasten the oil dipstick.

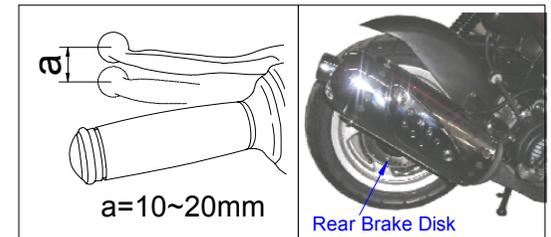
7.Brake system

Normal free stroke of the brake lever is about 10-20mm.

- The front brake



- The rear brake

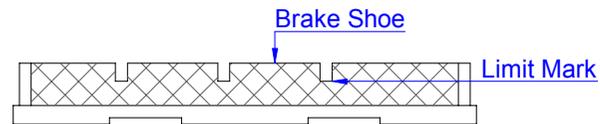


Warning

- FREE STROKE means the distance between the positions from free status to the beginning performance of the brake.
- Pay attention to the sensitivity of the brake.

Brake shoe

Grip the brake handle and check the wear of the brake shoe. If the limit mark of the brake shoe is up to the brake disk, please ask the appointed maintainer to replace both of the brake shoes.

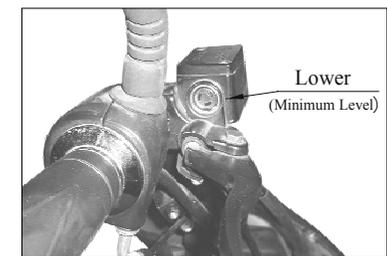


Check the following items of brake system before driving the motorcycle:

- Check if there is any leakage ;
- Check if there is any leakage or crack on the oil pressed hose;
- The brake handlebar should be kept with a certain free swing distance of 10~20mm, and kept a certain re-grip power;
- Abrasion situation of the brake shoes.

Brake oil level

- It has been filled with the special brake oil before the motorcycle leaves the factory. User should fill or change the qualified brake oil (such as No.DOT3 & DOT4 brake oil) from the appointed maintenance station. Never change or mix other oil, otherwise it would damage the brake system.
- If the brake oil is insufficient, it might be let the air come into the brake system and result in the failure of the system.



Warning

- The brake oil is corrosive. It may damage and corrupt the painting of the part and should be cleaned out if the oil splashes on the part. If the oil is sprayed on the skin or eyes, it should be cleaned quickly with a lot of water.

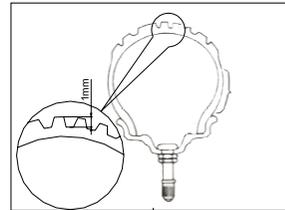
Warning

- The standard tire is 120/70-12 56J for front and 110/90-12 64J for rear. The use of a tire other than standard may cause trouble.
- Tire inflation pressures and the general tire condition are extremely important to the proper performance and safety of the vehicle.

8. Tires

Insufficient tire pressure hastens wear of them and affects the riding stability. Please check the tire pressure and tread depth when doing regular maintenance.

- Tire pressure: front 250 KPa, rear 250 KPa.
- Tread depth: It is suggested to replace a new tire when the tread depth is less than 1 mm.



9. Starting motor

Check the fastening bolts and the carbon brush, and replace them if necessary.

10. Fuse

Fuse is linked with the outer line of the battery. When a light or circuit fails suddenly, check the fuse first.

Warning

- The fuse cannot be replaced by any iron or aluminum wire.

11. Gear oil

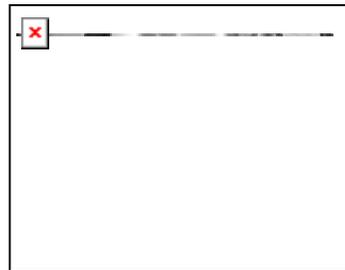
Please use the recommended gear oil: SE85W/90

Total capacity :110ml

Replacing capacity :100ml

How to change gear oil

- Stand up the main stand.
- Take off the draining oil screw, let off all the oil, and then tighten it.
- Take off the sprue oil screw and refill the proper gear oil.
- Tighten the oil screw after refilling.



After displacement, please make sure you have locked the oil screws.

□ Tools

A full set of tools is offered for your daily use.

□ Technical Parameters

	Items	Specifications
Size	Length	1880mm
	Width	710mm
	Height	1070mm
	Wheel base	1320mm
	Min. distance above ground	25mm
Weight	Unloaded weight	107±3kg
	Mass weight	260kg
Capacity	Max. Speed	80km/h (e-mark)
	Slope	≥16.8°
	Turning Conner	25°≤α≤45°
Circuit system	Spark plug	A7RTC
	Battery	12V/7AH
	Fuse	15A
	Headlight	12V 35W
	Turning lights	12V 10W
	Brake light	12V 21W/5W
	Position lights	12V 5W

Volume of the fuel tank		4.5L±0.5L
Volume of the engine oil tank		0.9L
Engine	Type Stroke Cylinder Bore and stroke Cylinder volume Compression ratio Idling speed Max. power Max. torque Carburetor Ignition type Starting mode Cooling mode Lubrication	BT152QMI 4 1 52.4mm*57.8mm 125cm ³ , 9.2±0.3:1 1700±100r/min 4.7 kW /7000 r/min 7.1N·m /5500 r/min PD24JD C.D.I. Electric/kicking start Forced air-cooled Pressure spray
Frame		Steel tube frame
Suspension	Front absorber	Double hydraulic damping shock absorber, variable-pitch spring.
	Rear absorber	Single hydraulic damping shock absorber, variable-pitch spring.
Brake system		Front and rear: disk brake
Tires		Front:120/70-12 56J Rear:110/90-12 64J

