

# OWNER' S MANUAL



FOR TAOTAO 150CC SCOOTERS

# THANK YOU FOR CHOOSING OUR MOTORCYCLES

This manual has been update, yet because of our constant efforts to further improve performance, you may find some differences between your motorcycle and this manual, therefore if you have any questions or comments please contact your local taotao Service Center.

For any repairs not mentioned in this manual or accessories required please contact your local taotao Service Center.

Use only genuine spare parts and accessories manufactured by Taotao.

The meaning of some signs in the manual are as follows:

## WARNING

Indicates potential hazard that could result in injury or death

## CAUTION

Indicates potential hazard that could result in vehicle damage

## ADVICE

Indicates special information to make maintenance easier or instructions clear



# INDEX

<input type="checkbox"/> Drive Safely.....	3	<input type="checkbox"/> Technical Data .....	21
<input type="checkbox"/> Know Your Motorcycle.....	4	<input type="checkbox"/> Specifications .....	22
<input type="checkbox"/> Tools And Indicators Location.....	5	<input type="checkbox"/> Specifications .....	23
<input type="checkbox"/> Indicators Description .....	6	<input type="checkbox"/> Perodic Maintenance Chart.....	24
<input type="checkbox"/> Main Commands .....	7	<input type="checkbox"/> Lubrication Chart.....	25
<input type="checkbox"/> Main Switch .....	8	<input type="checkbox"/> Recommendations .....	26
<input type="checkbox"/> Access To Compartments .....	9	<input type="checkbox"/> Service.....	27
<input type="checkbox"/> Front Bag .....	10	<input type="checkbox"/> Trouble Shooting.....	28
<input type="checkbox"/> How To Start Engine .....	11	<input type="checkbox"/> Trouble Shooting.....	29
<input type="checkbox"/> How To Ride.....	12	<input type="checkbox"/> Trouble Shooting.....	30
<input type="checkbox"/> Brake System .....	13	<input type="checkbox"/> Trouble Shooting.....	31
<input type="checkbox"/> Millege .....	14	<input type="checkbox"/> Trouble Shooting.....	32
<input type="checkbox"/> Checking Your Motorcycle.....	15		
<input type="checkbox"/> Checking Your Motorcycle.....	16		
<input type="checkbox"/> Checking Your Motorcycle.....	17		
<input type="checkbox"/> Checking Your Motorcycle.....	18		
<input type="checkbox"/> Checking Your Motorcycle.....	19		
<input type="checkbox"/> Checking Your Motorcycle .....	20		

# DRIVE SAFELY

This manual should be considered as an integral part of your motorcycle and should always remain with it even at resale

This chapter indicates some rules you should follow while driving

-It is necessary to fulfill all the requirements provided by law (license, plates, registration etc.)

-It is recommended that you drive your vehicle through low transit areas and at low speeds until you are confident about handling heavy traffic

-Never lend your motorcycle to a learner since most accidents occur because of the lack of experience of the driver

-Do not drive under the influence of alcohol, drugs or medical treatment that can cause drowsiness

-Respect norms of traffic and signs

-Make sure to wear helmet, gloves and protective clothing

-Driver should not get distracted (by smoking, drinking, eating, reading, etc)

-Check vehicle periodically (oil, fuel, etc)

-The motorcycle is designed to hold one passenger



-Luggage must be fixed in place firmly

-Loading affects performance and steadiness of handling

-Luggage must be fixed with rubber strip or rope

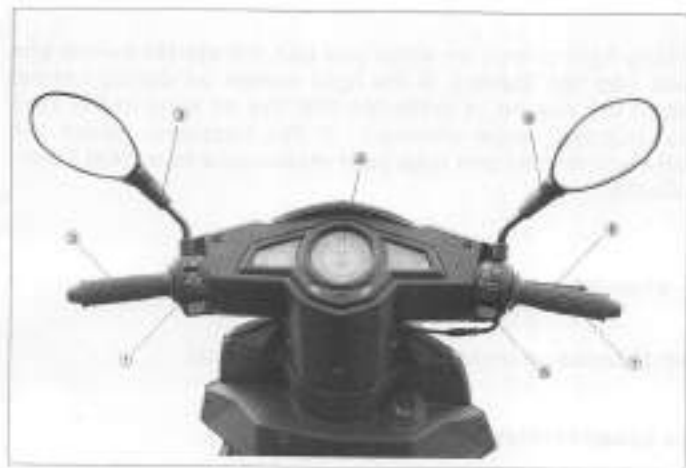
-Do not carry more luggage than the permissible weights shown below:

# KNOW YOUR MOTORCYCLE



- 1) Rear Light
- 2) Luggage Box
- 3) Seat
- 4) Speed Controller
- 5) Rear View Right Mirror
- 6) Brake Oil Tank
- 7) Headlight
- 8) Exhaust Pipe
- 9) Disc Brake
- 10) Magneto
- 11) Rear View Left Mirror
- 12) Main Stand
- 13) Disc Brake
- 14) Front mudguard
- 15) Rear carrier
- 16) Fuel Tank
- 17) Rear Indicator
- 18) Front Indicator

# KNOW YOUR MOTORCYCLE



- 1) Fuel Warning Indicator
- 2) Right Turning Indicator
- 3) Far Sight Indicator
- 4) Left Turning Indicator
- 5) Odometer
- 6) Speedometer

- 1) Electrical Commands On Left Handle
- 2) Rear Hand Brake
- 3) Rear View Left Mirror
- 4) Instrument Panel
- 5) Rear View Right Mirror
- 6) Front Hand Brake
- 7) Speed Controller
- 8) Electrical Starter Switch



# INDICATORS DESCRIPTION

**Left Turning Indicator**

**Flashes when left turning signal is ON**

**Odometer**

**Indicates distance covered in miles (total distance)**

**Speedometer**

**Indicates speed in miles/hr**

**Right Turning Indicator**

**Flashes when right turning signal is ON**

**Far Sight Indicator**

**Lights up when far sight light is in the ON position**

**Fuel Indicator**

**Shows fuel level in the tank**

# MAIN COMMANDS



## LEFT HANDLE

### 1)Horn Switch

Press the switch to sound the horn

### 2)Switch for direction light

Slide switch left to turn left, slide switch right to turn right and push in the switch to shut the light

### 3)Changing Light Switch

Distance Light Beam of headlight goes upward

Near Light beam of headlight goes downward

## RIGHT HANDLE

### 1)Electrical Starter Switch

Press electrical starter switch for a maximum of 5 seconds

If engine does not start, try again after a gap of 30 seconds

### 2)Light Switch

Turn into the "☼" position to shut off

Turn into the "☼" position to turn on contour lights

Turn into the "●" position to turn on headlight.





# INDICATORS DESCRIPTION



Rotating the key switches the electrical circuitry ON and OFF

**WARNING:**

Don't use the key when the engine is ON

**ADVICE**

Always turn "OFF" Remote ignition  
And key ignition when engine is not running

**CAUTION:**

- 1) If ignition circuit (Key or Remote) is "ON" when engine is not running it will drain battery and shorten battery life.
- 2) If stop the vehicle by Engine Kill Switch Turns "OFF" the ignition (if your vehicle equipped with this function)

**1. ON (starting)**

Engine can be started  
Electrical switches for horn, lights,  
Etc. can be activated  
Keys can't be removed

**2. OFF (shutting down)**

Engine is deactivated  
Light, horn, etc are inoperable  
Engine can't be started  
Keys can be removed

**3. Lock**

Direction lock is locked  
Lights, horn, etc, can't be used  
Keys can be removed

## OPERATION

### LOCK

Please activate the direction lock  
When leaving your vehicle unattended

1. First turn handle bar to the limit
2. Insert key and turn from OFF to LOCK position
3. Draw the key out

### ADVICE

Please try turning the handle bar to ensure that the vehicle is locked.

### UNLOCKING

Insert the key and rotate it to the OFF position

## ACCESS TO COMPARTMENTS

### SEATLOCK

Opening and closing of seat lock:

1. Insert key and turn to left to open seat lock
2. Lift the bottom of the seat and open it
3. Drop seat and press it lightly and then you can lock it once again

### ADVICE:

Try lifting the seat gently to ensure that it is locked



### LUGGAGE BOX

1. Before using luggage box, please open the seat
2. When the seat is open you will find the luggage box, which can hold up to 10 kg  
Operating manual and other documents can be stored here

### ATTENTION

Food easily affected by temperature and combustible materials shouldn't be stored in the luggage box

### ADVICE:

Don't leave expensive goods in the luggage box when leaving the vehicle  
Water may enter the luggage box in rainy weather or when the vehicle is being washed, so take care not to store goods that may be damaged in such conditions

## FRONT BAG

### FUEL TANK

1. Insert key and turn to left outer cover of fuel tank
2. Turn fuel tank cap to left to remove it
3. Add unleaded fuel to the tank
4. Replace cap. Screw it in place and lock the outer cover once again

### TANK CAPACITY

6 Liters

### WARNING:

Fuel is combustible and can cause fire under certain conditions

When filling fuel, vehicle should be in an open, ventilated area with the engine OFF

Avoid skin contact with, and inhalation or ingestion of fuel



# HOW TO START ENGINE

## BEFORE STARTING

- Check whether fuel and oil are adequate
- Set the kick lever (main support)
- Driver must stand to the left of the vehicle
- Don't start the engine in an airless or airtight room since exhaust fumes contain poisonous substances that can cause death



## STARTING THE ENGINE

- Turn ignition key to ON position
- Press and hold front or rear brake lever.
- Press start button.

## STARTING ENGINE WITH KICK STARTER

- Turn ignition key to ON position
- Kick down on kick starter rapidly 5 times till engine starts.

Note: Ensure center stand is deployed before trying to start the scooter.



# ACCESS TO COMPARTMENTS

## HOW TO RIDE

1. Turn the main support back

Nip the rear brake with left hand and Grasp support handle with right hand And then push the vehicle forward so as to turn main support back

## ADVICE:

Don't grasp seat to turn main support back

2. Climb astride the vehicle

Hold the handle bar with both hands and stride the vehicle from the left side. Keeping your left foot on the ground for support, climb over the vehicle with your right leg until you are seated firmly

3. If driving with passenger, open backstirrups; if not, keep them closed



# BRAKE SYSTEM

## **BRAKE SYSTEM**

First slow the vehicle by turning the speed controller away from you. Next, Grasp the front and rear brake bars Simultaneously and squeeze them until the brakes apply

Remember to apply the brakes gradually and steadily

If you need to stop while going uphill, always use both brakes. Don't try to maintain position with the speed controller alone, as this will damage the vehicle

## **WARNING:**

Always brake early on damp, snowy or frozen ground, since the brakes will need more time to take effect than on a normal road surface

Check brake oil level regularly

## **PARKING:**

Don't prop your motorcycle against walls

Stand your motorcycle on a flat, even surface

Don't leave your motorcycle unattended, especially not with the engine ON or the key inserted

Don't sit on your vehicle while it is resting on the main support

Avoid touching any parts that may be hot



# MILLEAGE

## RUNNING

Proper running of the motor to ensure a long life for your vehicle requires that you take the following precautions:

0-100 km/s(0-62 miles)

For the first 100km/s(62miles), drive slowly and use the brakes gently. Avoid sudden or prolonged use of the brakes. This will ensure optimum performance and extend the life of the vehicle

0-500km/s(0-311 miles)

For the first 500km/s ( 311miles ) , don't drive your vehicle at speeds greater than about 80% of the vehicle's maximum speed

After 1000km/s (621 miles)

Gradually start driving your motorcycle at higher  
Speeds (subject to the local speed limits) until maximum performance has been reached

## VEHICLE IDENTIFICATION

We recommend that you write down motor number, frame number and brand in the spaces given below for better identification of your vehicle in the event of loss or theft

Engine Number \_\_\_\_\_

Frame Number \_\_\_\_\_

Brand \_\_\_\_\_

## IMPORTANT

Modification of the ID number may be penalized, besides invalidating the vehicle warranty



# CHECKING YOUR MOTORCYCLE

Regular checks are necessary in order to maintain your vehicle in optimum condition and to help prevent accidents

## Daily Check

Always remember to check your vehicle carefully before daily use

## Regular Check

An overall check every six months ensures optimum performance

## WARNING:

Breakdowns or accidents may happen if these checks are neglected

Regular checks are required even if the vehicle has been lying idle. In fact, it is of particular importance to check your vehicle thoroughly after long periods of disuse

Check more frequently if vehicle is being used in rainy or dusty conditions

We recommend that difficult checks be done at your local (or the nearest) service center

## DAILY CHECK

### Brake System

- ◆ Check for smooth functioning and sensitivity of response

### Tires

- ◆ Check for cracks or other damage
- ◆ Ensure no abnormal abrasion
- ◆ Check for depth of tire carving

### Engine

- ◆ Adequate engine oil
- ◆ Check for unusual noises
- ◆ Check for appropriate acceleration/ deceleration response





# CHECKING YOUR MOTORCYCLE

Here we introduce some simple ways of checking and adjusting your motorcycle

## BRAKES

### Disc Brake Checking

Check from the back of the brake fixture  
If the discs appear heavily abraded, replace the two discs with new ones

Brake Oil Replenishment if brake oil level is below minimum. Replenish with brake oil DOT3 or DOT4

Pinch rear brake handle till resistance increases and measure if the further stroke is in the started range  
Adjust the stroke by turning the regulating nut to the right to increase the travel distance or to the left to decrease same

### CAUTION:

Do not use inferior quality brake oil  
Prevent brake oil from cohering on the paintwork to avoid fading or chapping

### CAUTION:

Be sure to keep the face of the adjustment nut in perfect contact with the pillar surface of the pin

### ADVICE:

Check the travel distance of the grip again after adjustment  
Squeeze the brake grip tightly to check if the displacement of the displacement of the indicating line falls within the indicated brake limit



# CHECKING YOUR MOTORCYCLE

## ENGINE OIL

### Checking Oil Level

1. Open the seat cushion
2. Remove oil cap, Oil should be between maximum and minimum levels
3. Add specified oil if required

Check oil level periodically



### CAUTION:

- Use of non-standard or low quality engine oil may damage the engine
- Use main support on flat ground
- Remember to change engine oil regularly

### Engine Oil Replacement

1. Remove drain screw of oil cap
2. Drain engine oil (it is easier to drain the 3. Engine oil when engine is warm)
3. Pour proper quantity of oil slowly into the gear box
4. Tighten drain screw
5. Tighten the oil plug after completion



# CHECKING YOUR MOTORCYCLE

## AIR FILTER

The air filter should be cleaned after approximately every 1000km/s (621 miles), depending on nature of use. If the vehicle is being used often in rainy or dusty conditions, the air filter should be cleaned more frequently.

### Cleaning

1. Keep the motorcycle on the main support.
2. Loosen the five screws that fasten the air filter cover in place to remove the cover.
3. Clean the filter with solvent and let it dry.
4. Put wick into clean engine oil.
5. Fix wick and shell.

### CAUTION:

Remember to replace the wick if it is worn out. Improper fixing of the wick may cause dust to enter the engine and affect performance and life.

## BATTERY

Check the electrolyte of the battery after every 1000km/s (621 miles).

## BATTERY

1. Make sure the starter switch is OFF.
2. Open the battery cover.

Replenish the battery electrolyte except for the contents of the sealed container which needs no inspection.

### CAUTION:

- Avoid splashing or spilling the electrolyte fluid.
- Do not tamper with the sealed compartment of the battery.



# CHECKING YOUR MOTORCYCLE

## FUSE

If any electrical components is not working or is working improperly or the engine does not start, check your

### Fuse Checking

Remove fuse from casing to check; replace if damaged

### WARNING:

- Do not use non-standard fuses or fuses with improper capacity

### CAUTION:

- Electrical appliances should be replaced only with original brands or brands specified by the manufacturer to assure correct battery performance
- Do not rinse the periphery of the fuse vigorously

### ADVICE:

If the fuse malfunctions soon after replacement, take the vehicle to a Vento service center immediately

## RINSING THE MOTORCYCLE

1. Mop the dirt with a soft cloth while rinsing
2. Use a neutral detergent and wash the motorcycle with water to get rid of stubborn dirt or grime
3. Dry any residual water with a clean and soft cloth

### ADVICE:

We recommend that our users apply mixed wax be careful to the paintwork and plastic parts gently to prevent scratches and chipping



### CAUTION:

- Clean the motorcycle only after the engine has cooled
- Keep water out of the muffler, air cleaner and electrical appliances to prevent rusting and short-circuiting
- Please ride slowly and carefully after washing your motorcycle since brake performance may be affected by residual water

It is recommended that you wait till the motorcycle is dry before riding it.

# CHECKING YOUR MOTORCYCLE

## STORAGE

### CAUTION:

Shield the engine and muffler with dust guard after the surface has cooled

### ADVICE:

Please pay utmost attention to the Following for long periods of storage

1. It is of great importance to wax all. Parts to prevent rust
2. To preserve the battery and reduce. Leakage of electricity, please take the Battery out and put it in a ventilated place away from exposure to light. If you don't plan to remove it for storage, please disconnect the negative electrode
3. Remember to drain off all the gasoline from the carburetor to prevent rusting

### AFTER INACTIVITY

- Rinse your motorcycle
- Check battery charge and recharge if needed
- Check oil and fuel levels
- Do a thorough check of all parts and processes before using

### CAUTION:

After long periods of disuse, test your vehicle initially at moderate speeds.



## TECHNICAL DATA

Default Brake Lever Travel	1/4 In (15–25 mm)
Tire pressure Front	33 psi
Tire pressure Rear	36 psi
Spark Plug Type	A7RTC
Spark Plug Clearance	0.6–0.8mm
Battery Capacity	12V6.5AH
Headlight Low Beam/High Beam	12V 35/35W
Brake/Tail Light Bulb	12V 21W/5W
Turn Signal Bulb	12V/10W
Fuse	8Amp

# SPECIFICATIONS

Type	4stroke
Displacement	124,6/150CC
Cylinders	1
Cooling System	Air Cooled
Bore x Stroke	57.4*57.8mm
Rated Power	5.5Kw @7000rpm
Rated Torque	8.1Nm @6500rpm
Starting System	Electric&Kick
Starter Style	CDI
Clutch Type	Automatic;Centrifugal
Gear Shift	Automatic
Length	1890mm
Width	700mm
Height	1340mm
Idle Speed	1700rpm $\pm$ 100rpm

Wheel Base	1330mm
Valve Clearance	IN 0.05mm EX 0.05mm
Passengers Allowed	Two
Suspension	Hydraulic
Front Brake	Disc
Rear Brake	Drum
Front Tire	130/60-13
Rear Tire	130/60-13
Fuel Tank Capacity	6 Liters
Engine Oil Tank Capacity	1.0Liters
Engine Lubricating Oil	SAE 15 W 40 - 15 W 30
Gear Oil Type	SAE 85/90
Gear Oil Capacity	0.03 $\pm$ 0.003Gallons
Fuel Type	Unleaded 90 Octane
Gear Oil Change Period	2000 Kms

Mileage	300Km	1000Km	4000Km	8000Km	12000Km	Check Prior to Each Ride
Spark Plug		Replace	Replace	Replace	Replace	
Valve Gap	Inspect	Inspect	Inspect	Inspect	Inspect	
Engine Oil	Replace	Replace Every 1000Km				Inspect
Oil Filter		Replace	Replace	Replace	Replace	
Carburetor Idle Speed Adjustment	Adjust	Adjust	Adjust	Adjust	Adjust	
Cooling System	Inspect	Inspect	Inspect	Inspect		
Drive Belt	Inspect	Inspect every 1000 KMS				
Transmission Oil	Replace	Replace every 2000 KMS				
Braking System		Inspect	Inspect	Inspect	Inspect	Inspect
Headlight Adjustment	Inspect	Inspect	Inspect	Inspect	Inspect	Inspect
Tighten all Nuts & Screws	Inspect	Inspect	Inspect	Inspect	Inspect	

\*If you have all of tool and maintenance document, you are a mechanic person, or else must let special person maintenance and repair.

\*For safety, we claim all of items have done by mechanic person.

Notice:

1. if this area is very damp or have a lot of dirty, you had better make a short time for maintenance, when it take more oil quantity or not strength, it must change.
2. if it was used every day, must make maintenance.
3. according to season to change in a cold area.



# CHECKING YOUR MOTORCYCLE

LUBRICATION CHART									
ASSEMBLY	TYPE OF LUBRICATION	Miles→	300	1200	2500	5000	6500	9000	1200
		Kms→	500	2000	4000	8500	10500	15000	20000
Gear oil	SAE 85W90		I	R	R	R	R	R	R
Brake lever assembly	OKS-400(Multipurpose Lithium grease)		I	R	R	R	R	R	R
Disc brake fluid	DOT 3 or DOT 4					R			
Front fork oil	Shocker oil		I	I	I	T	I	I	I
Speedometer pinion	OKS-400(Multipurpose Lithium grease)					I	R	R	I
Steering races	OKS-400(Multipurpose Lithium grease)	I	I	I	I	I	I	I	I
Wheel bearing	OKS-400(Multipurpose Lithium grease)	I	I	I	I	R	I	R	R
Battery terminals	Petroleum Grease		I	I	I	I	I	I	I
<b>I-INSPECT R-REPLACE T-TOP UP</b>									

# RECOMMENDATIONS

## RECOMMENDATIONS FOR SAFE AND OPTIMUM VEHICLE PERFORMANCE

Do not start the engine or use the vehicle without properly connecting the battery as this can severely damage electrical components.

If the vehicle will not be used for a long time. Disconnect the battery cable to avoid battery drainage. Check the battery every two weeks and charge as necessary.

For extended storage or “Hibernation” remove the battery from the vehicle and charge it to 100% on slow-charge for at least 24 hours. Charge the battery every month if stored at temperatures below 60° F, charge every two weeks if stored in an area above 60° F. Make sure batteries are stored out of reach of children.

Store the battery in a cool, dry place away from direct sunlight.

<b>RECOMMENDED CARBURETOR SETTING</b>
Air screw/Mixture screw setting procedure
Step 1–Run the engine at normal operating temperature.
Step 2–Adjust the engine rpm to $1700 \pm 100$

# TROUBLE SHOOTING

<b>TROUBLE SHOOTING</b>			
S.no.	COMPAINT ENGINE	CAUSE	PEMEDIES
1	Starting Trouble	<b>PLUG NOT SPARKING</b>	
		1.Damaged Spark plug or spark plug cap	Replace
		2.Dirty or wet spark plug	Clean and adjust gap to 0.5mm
		3.Defective CDI&Ignition coil unit or stator coil	Replace
		4.Open or shorten high-tension cord	Replace
		5.Defective Ignition Switch	Replace
		<b>NO FUEL REACHING THE CARBURETOR</b>	
		1.Clogged hole in the fuel tank cap	Clean
		2.Clogged or defective fuel pump	Clean or replace
		3.Defective Carburetor Float valve	Replace
		4.Clogged fuel hose or defective vacuum hose	Clean or replace
		<b>CARBURETOR</b>	
		1.Starter jet is clogged	Clean
		2.Air leaking from a joint between starter body and carburetor	Check carburetor tightness, replace gasket
		3.Air leaking from carburetor' joints or vacuum hose joint	Check and replace
<b>COMPRESSION TOO LOW</b>			
1.Excessively worn cylinder or piston rings	Replace		
2.Stiff piston ring in place	Repair or Replace		
3.Gas leaks from the joint in crankcase, cylinder or cylinder head	Repair or Replace		
4.Damaged reed valve	Replace		
5.Spark plug too loose	Tighten		
6.Broken, cracked or failed piston	Replace		
1	Engine starts but cuts off	1.Carbon deposited or failed piston	Clean
		2.Defective CDI&Ignition coil unit	Replace
		3.Clogged fuel hose	Clean
		4.Clogged jets in carburetor	Clean
		5.Clogged exhaust pipe	Clean
3	Ratting sound from engine	<b>NOISE COMING FROM PISTON</b>	
		1.Piston or cylinder worn down	Replace
		2.Combustion chamber filled with carbon	Clean

# TROUBLE SHOOTING

<b>TROUBLE SHOOTING</b>			
S.no.	COMPAINT ENGINE	CAUSE	PEMEDIES
		3.Piston pin, bearing or piston pin bore worn	Replace
		4.Piston rings or ring grooves worn	Replace
		<b>NOISE COMING FROM CRAN SHAFT</b>	
		1.Gears worn or rubbing	Replace
		2.Worn or damaged bearing or drive shaft or rear axle shaft	Replace
		<b>NOISE COMING FROM FINAL GEAR BOX</b>	
		1.Gear worn or rubbing	Replace
		2.Worn or damaged bearing of drive shaft or rear axle shaft	Replace
4	Engine lacks power	1.Excessive worn cylinder or piston rings	Replace
		2.Stiff piston ring in place	Replace
		3.Gas leaks from crankshaft oil seal	Replace
		4.Spark plug gaps incorrect	Adjust or replace
		5.Clogged air cleaner element	Clean
		6.Float-Chamber fuel lever out of adjustment	Adjust or replace
		7.Clogged air cleaner element	Clean
		8.Sucking air cleaner element	Retighten
		9.Slipping or worn V-belt	Replace
		10.Damaged/worn rollers the movable drive face	Replace
		11.Weaken movable rollers in the movable drive face	Replace
		12.Excessive fuel/air mixture due to defective starter system	Replace
5	Engine overheats	1.Heavy carbon deposit on piston crown	Clean
		2.Defective oil pump or clogged oil circuit	Replace and clean
		3.Fuel level too low on float chamber	Adjust or replace
		4.Air leakage from intake pipe	Retighten or replace
		5.Use of incorrect engine oil	Change
		6.Use of improper spark plug	Change
		7.Clogged exhaust pipe/muffler	Clean or replace
1	Idling or low-speed troubles	1.Pilotjet, pilot air jet is clogged or loose	Check or clean
		2.Air leaking from carburetor's joint, vacuum pipe joint or starter	Check or replace

# TROUBLE SHOOTING

TROUBLE SHOOTING			
S.no.	COMPAINT ENGINE	CAUSE	PEMEDIES
		3. Pilot outlet is clogged	Check and clean
		4. Starter plunger is not fully close	Check and replace
2	Medium-or high speed trouble	1. Main jet or main air jet is clogged	Check and clean
		2. Needle jet is clogged	Check and clean
		3. Fuel level is improperly set	Check and replace
		4. Throttle valve is worn or damaged	Check throttle valve for operation
		5. Fuel filter is clogged	Check and clean
3	Overflow and fuel lever fluctuations	1. Needle valve is worn or damaged	Replace
		2. Spring in needle valve is broken	Replace
		3. Float is not working properly	Check and adjust
		4. Needle valve is blocked	Clean
		5. Fuel level is too high or low	Adjust accordingly
	<b>BRAKES</b>		
1	Insufficient brake power	1. Leakage of brake fluid from hydraulic system	Repair or replace
		2. Worn pads	Replace
		3. Oil adhesion on engaging surface of pad	Clean disc and pads
		4. Worn pads	Replace
		5. Air entered into hydraulic system	Bleed air
		6. Worn shoe	Replace
		7. Friction surfaces of shoes are dirt with oil	Replace
		8. Excessively worn drum	Replace
		9. Too much brake lever play	Adjust
2	Break Squeaking	1. Carbon adhesion on pad surface	Repair surface with sand paper
		2. Tilted pad	Modify and fit
		3. Damaged wheel bearing	Replace
		4. Worn pad	Replace
		5. Foreign substance entered into brake fluid	Replace brake fluid
		6. Clogged return port of master cylinder	Disassemble and clean
		7. Brake shoe surface glazed	Repair surface with sand paper
		8. Loose front wheel axle or rear wheel axle	Tighten to specified torque

# TROUBLE SHOOTING

<b>TROUBLE SHOOTING</b>			
S.no.	COMPAINT	CAUSE	PEMEDIES
	ENGINE		
		9.Worn shoe	Replace
3	Excessive brake lever stroke	1.Air entered into hydraulic system	Adjust
		2.Insufficient brake fluid	Refill
		3.Improper quality of brake fluid	Replace
		4.Worm brake cam lever	Replace
		5.Excessively worn shoes or drum	Replace
4	Leakage of brake fluid	1.Insufficient tightening of connecting joints	Replace and repair
		2.Cracked hose	Replace
		3.Worn piston seal	Replace
5	Brake drags	1.Rusty moving parts	Replace
	<b>ELECTRICAL</b>		
1	No sparking or poor sparking	1.Defective CDI&Ignition coil unit	Replace
		2.Defective spark plug	Replace
		3.Defective magneto stator coil	Replace
		4.Loose connection of lead wire	Connect/tighten
2	Spark plug is often formed with with carbon	1.Mixture too rich	Adjust carburetor
		2.Iding speed set too high	Adjust carburetor
		3.Incorrect engine oil	Change
		4.Dirt in air cleaner	Clean
		5.Spark plug loose	Replace/tighten
		6.Incorrect engine oil	Replace
3	Magneto does not charge	1.Open or short in lead wires or loose lead connections	Repair or retighten
		2.Short, grounded or open magneto coil	Replace
		3.Short or open regulator/rectifier	Replace
4	Magneto charging is below the specifications	1.Lead wires tend to get shorted or open circuited or loosely connected at terminal	Repair or retighten
		2.Grounded or open-circuited stator coils	Replace
		3.Defective regulator/rectifier	Replace
		4.Defective cell pates in the battery	Replace the battery
5	Starter button is not effective	1.Battery runs down	Recharge or replace
		2.Defective switch contacts	Replace switch

# TROUBLE SHOOTING

<b>TROUBLE SHOOTING</b>			
S.no.	COMPAINT ENGINE	CAUSE	PEMEDIES
		3.Brushes not seating properly on commutator in starter motor	Repair or replace
		4.Defective starter relay	Replace
		5.Defective starter pinion gears	Replace
		6.Defective front or rear brake light switches circuit	Repair or replace
6	Magneto overchargers	1.Internal short circuit in the battery	Replace the battery
		2.Resistor element in the regulator/rectifier damaged or defective	Replace
		3.Regulator/rectifier unit poorly grounded	Clean and tighten ground connection
	<b>BATTERY</b>		<b>Check the magneto and regulator/rectifier circuit connections, make specified charging operation</b>
1	Battery runs Down quickly	1.The charging method is not correct	Switch off using ignition
		2.Tum off using kill witch and leave ignition switch on	Ignition should be turned off when engine is not running
		3.Ignition switch (both remote and key ignition)remains on	Replace the battery and correct
		4.Cell plates have lost much of their active material as a result of over charging	
		5.A short circuit condition exists within the battery due to excessive accumulation of sediments caused by the incorrect electrolyte	Replace the battery
		6.Battery is too old	Replace the battery
2	Reversed battery polarity	1.The battery has been connected the wrong way round in the system, so that it is being charged in the reverse directions	Replace the battery and be sure to connect the battery in its correct position
1	Wobbling front/rear wheel	1.Distorted wheel rim	Replace
		2.Worn wheel bearings	Replace
		3.Defective or incorrect tire	Replace
		4.Loose nut on axle	Retighten or replace
		5.Loose nuts on the shock	Retighten or replace
		6.Worn engine mounting bush	Replace
		7.Loose nuts or bolts for engine mounting	Tighten
2	Front/rear Suspension too soft	1.Weakenen springs	Replace
		2.Oil leakage of shock absorber	Replace
3	Front/rear Suspension too hard	1.Not enough oil	Refill
		2.Worn suspension arm specer	Replace
4	Noisy front/rear suspension	1.Not enough grease	Refill
		2.Loose nuts on suspension	Retighten

## **EMISSION CONTROL SYSTEM WARRANTY**

Below is the emission control system warranty printed in the owner's manual, the copy of the owner's manual is available upon your request.

### **YOUR WARRANTY RIGHTS AND OBLIGATIONS**

The California Air Resources Board and **Taotao USA Inc.**( hereinafter "**Taotao USA**")are pleased to explain the emission control system warranty on your 2012 Highway Motorcycle. In California, new motor vehicles must be designed, built and equipped to meet State's stringent anti-smog standards. Taotao USA must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle. Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converter and engine computer, if it is equipped. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Taotao USA will repair your motorcycle at no cost to you including diagnosis, parts and labor.

### **MANUFACTURER'S WARRANTY COVERAGE**

The 2012 and later model year highway motorcycle are warranted for 12,000 km or for 5 years, whichever comes first. If any emission-related part on your vehicle is defective, the part will be repaired or replaced by Taotao USA. This is your emission control system DEFECTS WARRANTY.



## **OWNER'S WARRANTY RESPONSIBILITIES**

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Taotao USA recommends that you retain all receipts covering maintenance on your vehicle, but Taotao USA cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to the Taotao USA's dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should be aware that Taotao USA may deny your warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact Taotao USA Inc., 11550 Newberry Street, Suite100, Dallas, TX 75229, TEL: 214 635 3980 or (for California registered highway vehicles only) the California Air Resources Board at 9528 Telstar Avenue, El Monte, CA 91731-8001.

Taotao USA warrants that each new 2012 and later Taotao USA's OFMC:

- A. is designed, built and equipped so as to conform at the time of initial retail purchase with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and

B. is free from defects in material and workmanship which cause such vehicle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for the periods specified above.

I. **Coverage.** Warranty defects shall be remedied during customary business hours at any authorized Taotao USA's dealer located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency and the California Air Resources Board. Any part or parts replaced under this warranty shall become the property of Taotao USA.

II. **Limitations** This Emission Control System Warranty shall not cover any of the following:

A. Repair or replacement as a result of

- (1) accident,
- (2) misuse,
- (3) repairs improperly performed or replacements improperly installed,
- (4) use of replacement parts or accessories not conforming to Taotao USA's specifications which adversely affect performance and/or
- (5) use in competitive racing or related events.

B. Inspections, replacement of parts and other services and adjustments required for required maintenance.

C. Any vehicle equipped with an odometer or hour meter on which the odometer mileage or hour meter reading has been changed so that actual mileage cannot be readily determined.

### **III. Limited Liability**

- A.** The liability of Taotao USA under this emission control system warranty is limited solely to the remedying of defects in material or workmanship by an authorized Taotao USA's dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the vehicle or transportation of the vehicle to or from the Taotao USA's dealer. Taotao USA shall not be liable for any other expenses, loss or damage, whether direct, incidental, consequential or exemplary arising in connection with the sale or use of or inability to use the vehicle for any purpose. Some states do not allow the exclusion or limitation of any incidental or consequential damages, so the above limitations may not apply to you.
- B.** No express emission control system warranty is given by us except as specifically set forth herein. Any emission control system warranty implied by law, including any warranty of merchantability or fitness for a particular purpose, is limited to the express emission control system warranty terms stated in this warranty. The foregoing statements of warranty are exclusive and in line of all other remedies. Some states do not allow limitations on how long an implied warranty lasts so the above limitations may not apply to you.
- C.** No dealer is authorized to modify this Taotao USA Limited Emission Control System Warranty.

**IV. Legal Rights.** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**V.** This emission control system warranty is in addition to the standard limited warranty for all vehicles.

**VI. Additional Information.** Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, Taotao USA is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

**Taotao USA Inc.**

11550 Newberry Street, Suite100, Dallas, TX 75229

U.S.A

TEL: 214 635 3980 FAX: 214 635 3985

Dear Customer, Please register your product at time of purchase at [www.taotao.us](http://www.taotao.us) .  
This information assists us with any warranty claim and is required by federal law.  
Please visit [www.taotao.us](http://www.taotao.us) to register.