



OWNER'S MANUAL

T17-2 (50CC)

SCOOTER

INTRODUCTION

Congratulations on your purchase of T17-2. This model is a fascinating vehicle, which can give you an unsurpassed feeling of power and freedom. It is good for sporting and touring. It is convenient in use, and has elegant appearance design, international fashionable color. With it you may have an enjoyment of high-class scooter while at economic price.

This manual will give you an understanding of the operation, inspection, and basic maintenance of this scooter. If you have any questions about the operation or maintenance of your scooter, please consult a dealer.

IMPORTANT

For the safe and efficient operation of your scooter , please read this manual carefully and completely before operating this scooter

DESCRIPTION

1. Front Brake lever
2. Front Brake Reservoir Tank
3. Pedal
4. Battery
5. Fuel Tank
6. Helmet Hook
7. Rear Grab





- 1. Left Handlebar Switch
- 2. Right Handlebar Switch
- 3. Main Switch
- 4. Rear Storage Compartment
- 5. Rear Shock Absorber
- 6. Engine
- 7. Center Stand
- 8. Side Stand

POINTS OF ATTENTION

RIDER AND PASSENGER

This model is designed for use by only one rider and one passenger. Do not load it over the limits on the specification table.

ROAD CONDITION

This model is designed for riding on the flat road.

PARTICULARLY IMPORTANT INFORMATION IS DISTINGUISHED IN THIS MANUAL BY THE FOLLOWING NOTATIONS:

!!!WARNING

Failure to follow WARNING instruction could result in severe injury or death to the scooter operator, a bystander or a person inspecting repairing the scooter.

CAUTION:

A CAUTION indicates special precautions that must be taken to avoid injury of the operator or damage to the scooter.

NOTE:

We continually seek advancements in product design and quality, there may be minor discrepancies between your scooter and this manual. We regret for the inconvenience this may cause. Please consult your dealer for any questions about this manual.

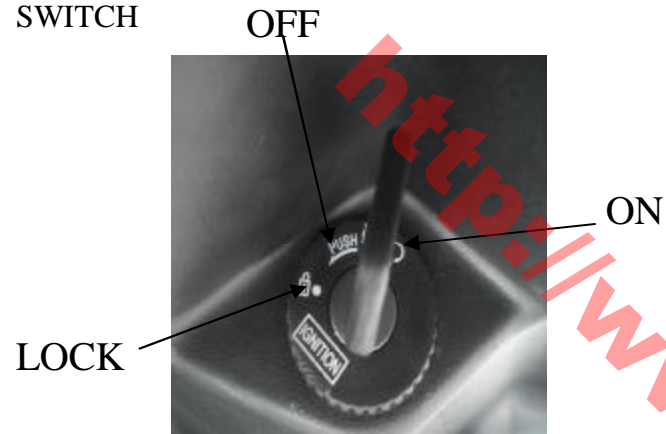
SAFETY RIDING.....	7	ACCELERATION.....	26
CONTROL FUNCTIONS.....	8	BRAKING.....	26
MAIN SWITCH.....	8	STARTING OFF.....	27
INDICATORLIGHTS.....	9	ENGINE BREAK-IN.....	27
SPEEDOMETER.....	10	PARKING.....	28
FUEL GAUGE.....	10	PERIODIC MAINTENANCE AND	29
HANDLEBAR SWITCHES.....	11	MINOR REPAIR	
FRONT BRAKE LEVER.....	13	PERIODIC MAINTENANCE LUBRICATION.....	30
REAR BRAKE LEVER.....	13	GEAR OIL REPLACEMENT.....	31
FUEL TANK CAP.....	14	CLEANING OFAIR CLEANER.....	32
BATTERY COVER REMOVAL.....	11	SPARK PLUG INSPECTION.....	33
PRE-OPERATION CHECKS	12	BRAKE LEVER FREE PLAY ADJUSTMENT.....	34
BRAKES.....	13	INSPECTING THE BRAKE FLUID LEVEL.....	35
THROTTLE GRIP.....	15	BRAKE FLUID REPLACEMENT.....	36
TIRES.....	16	BRAKE LEVER LUBRICATION.....	37
FITTINSANDFASTENERS.....	18	CENTER AND SIDE STAND LUBRICATION.....	37
LIGHS SIGNALS AND SWITCHES.....	18	FRONT FORK INSPECTION.....	38
FUEL.....	19	STEERING INSPECTION.....	39
OPERATION AND IMPORTANT	20	WHEEL BEARINGS.....	39
RIDING POINTS		FUSE REPLACEMENT.....	40
STARTINGACOLDENGINE.....	20	CLEANING&STORAGE	40
		A.CLEANING.....	40
B.STORAGE.....	42		
SPECIFICATIONS TABLE.....	44		

Regular care and maintenance are essential for preserving your scooter's value and operating condition. Moreover, what is true for the scooter is also true for the rider good performance depends on being in good shape. Riding under the influence of medication, drugs and alcohol is, of course, out of the question, scooter riders more than car drivers must always be at their mental and physical best, Under the influence of even small amounts of alcohol, there is a tendency to take dangerous risks.

Protective clothing is as essential for the scooter rider as seat belts are for car drivers and passengers. Always wear a complete motorcycle suit whether made of leather or tear resistant synthetic materials with protectors, sturdy boots, motorcycle gloves and a properly fitting helmet. Optimum protective wear however, should not encourage carelessness. Though full-coverage helmets and suits, in particular, create an illusion of total safety and protection, motorcyclists will always be vulnerable, Riders who lack critical self-control run the risk of going too fast and are apt to take chances. This is even more dangerous in wet weather. The good motorcyclist rides safely, predictably, and defensively-avoiding all dangers, including these caused by others

CONTROL FUNCTIONS

MAIN SWITCH



The main switch controls the ignition and lighting System its operation is described below.

ON:

Electrical circuits are switched on. The engine can be started. The key cannot be removed in this position.

OFF:

All electrical circuits are switched off.

Turn the switch to OFF to stop the engine.

The key can be removed in this position.

LOCK:

The steering is locked when the main switch is in the 'LOCK' position and all electrical circuits are switched off .To lock the steering, turn the

handlebars all the way to the left. While pushing

the key into the main switch., turn it from 'OFF'

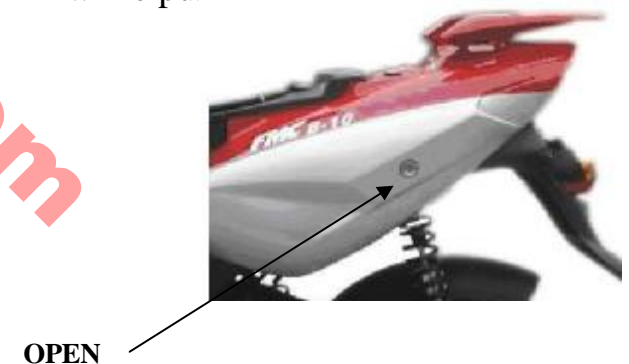
to 'LOCK' and remove it. To release the lock, turn the key to 'OFF' while pushing.

OPEN:

To open the seat,

turn the key to

this position.



!!! WARNING _____

Never turn the key to 'OFF' or 'LOCK' when the scooter is moving. The electrical circuits will be switched off which may result in loss of control or an accident. Be sure the scooter is stopped before turn in the key to 'OFF' or 'lock'

Turn indicator lights ‹◀▶›

The corresponding indicator flashes when the switch is moved to the left or right High Beam

Indicator Light ‹☹›

This indicator comes on when the head light high beam is used.

INDICATOR LIGHTS



1. Turn indicator lights ‹◀▶›

2. High beam indicator lights ‹☹›

SPEEDOMETER



1.Speedometer 2. Trip odometer 3.Reset button

The speedometer shows riding speed. This speedometer is equipped with an odometer and trip odometer.

Reset button help you to reset the clock on the speedometer, and you will have a accurate time.

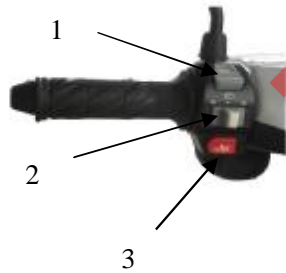
FUEL GAUGE



1. Fuel gauge

This model is equipped with an electric fuel gauge so the rider can monitor the fuel level in the fuel tank. When the needle indicates 'E'(Empty) about 1.0l remain in the fuel tank.

HANDLEBAR SWITCHES



1. Dimmer switch 2. Turn switch 3. Horn switch

Dimmer Switch

Turn the switch to '☞' for the high beam and to '☞' for the low beam.

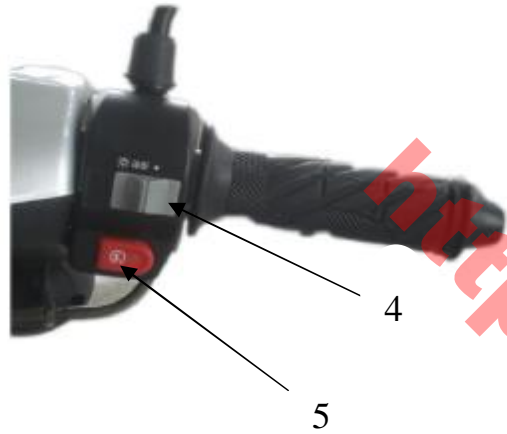
Turn signal switch


To signal a right-hand turn. Push the switch to the '☞'. To signal a left-hand turn, push the switch to the '☜'. Once the switch is released it will return to the center position.

To cancel the signal. Push the switch in after it has returned to the center position.


Horn Switch '☞',


Press the switch to sound the horn.



4. Lights switch 5. Start switch 

“LIGHTS” Switch

Turning the light switch to “” turns on the auxiliary light, meter lights, tail light and license

light. Turning the light switch to “”, turns the headlight on also.

Start Switch

1. Turn the main switch to “on”
2. Apply either brake and push the start switch or kick the start pedal to start the engine.

CAUTION: _____

See starting instructions prior to starting the engine _____

FRONT BRAKE LEVER



1.Rear brake lever 2. Front brake lever

The front brake lever is located on the right handlebar. Pull it toward the handlebar to apply the front brake.

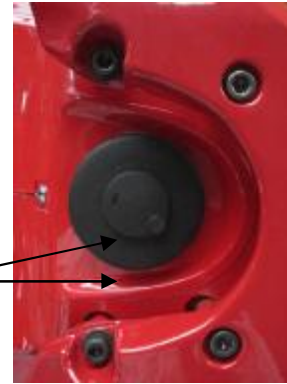
REAR BRAKE LEVER

The rear brake lever is located on the left handlebar. Pull it toward the handlebar to apply the rear brake.

FUEL TANK CAP



1 Fuel tank cap



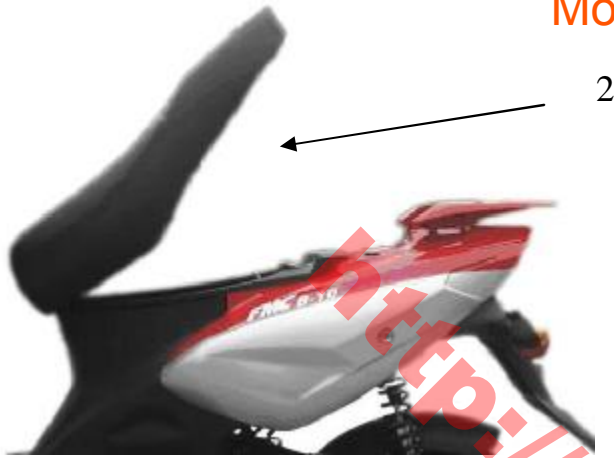
2. Match marks

The fuel tank cap is located under the seat. To open the fuel tank cap, insert the key into the lock and turn the key clockwise. To close the cap, align the match marks and push down on the cap. Then turn the key to the original position and remove it.

Close the lid.

!!!WARNING

Be sure the cap is properly installed and locked in place before riding the scooter.



Rear storage compartment

A helmet can be stored in the compartment under the seat .To open rear storage compartment when it's locked, insert the key and turn it clockwise.

!!!WARNING _____

Do not exceed the loading limits;

Rear Compartment: 4kg

BATTERY COVER REMOVAL



2

1. Screw(1x2)

2. Battery cover

Pull up the right pedal mat as shown.

Then remove the screws on the battery cover.

PRE-OPERATION CHECKS

Before using this scooter, check the following points:

NO	ITEM	ROUTINE	PAGE
1	Front Brake	Check operation, free play, fluid level and fluid leakage. Top up with DOT4(or DOT3) brake fluid if necessary	18,19
2	Rear Brake	Check operation, condition and free play. Adjust if necessary	18
3	Engine Oil	Check engine oil level, add oil if necessary.	20
4	Throttle	Check for smooth operation. Adjust if necessary.	20
5	Lights/signals/Switches	Check operation.	23
6	Wheels/Tires	Check tire pressure, wear and damage.	21,22
7	Fittings/Fasteners	Check all chassis fittings and fasteners. Tighten/Adjust, if necessary.	23

CATTION:

Pre-operation checks should be made each time the scooter is used. Such an inspection can be accomplished in a very short time; and the added safety it assures is more than worth the time involved.



a. Free play 10~20mm

b. Free play 2~5mm

Brake levers

Check for correct free play in the brake levers and correct if necessary. Make sure the brakes are working properly by checking at low speed shortly after starting out.(see page 32 details)

!!!WARNING_____

A soft, spongy feeling in the brake lever indicates a failure in the brake system.

Do not operate the scooter until the failure in the brake system is corrected, Ask a dealer for immediate repairs. A soft, spongy feeling could indicate a hazardous condition in the brake system.



Brake fluid

Check the brake fluid level. Add fluid if necessary

Recommended brake fluid: DOT4

If DOT4 is not available, DOT3 can be used.

Brake Fluid leakage (Front)

Apply the brake for a few minutes. Check to see if any brake fluid leaks out from the pipe joints or the master cylinder.

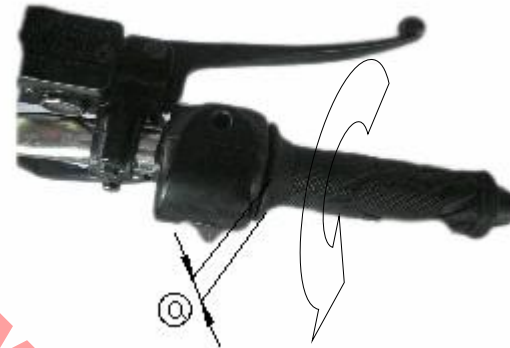
CAUTION: _____

Brake fluid may deteriorate painted surfaces or plastic parts. Never spill any fluid. If spilled, clean it up at once.

!!!WARNING _____

If brake fluid leakage is found, ask a dealer for immediate repairs. Such leakage could indicate a hazardous condition.

THROTTLE GRIP



- a. Free play 3~5mm

Turn the throttle grip to see if it operates properly, and check the free play. Make sure the grip returns by spring force when released. Ask a dealer make any necessary adjustments.

TIRES



!!!WARNING_____

Tire inflation pressure should be checked and adjusted when the temperature of the tire equals the ambient air temperature.

Tire inflation pressure must be adjusted according to total weight of cargo, rider, passenger and accessories, and also vehicle speed.

To ensure maximum performance, long service and safe operation, note the following:

Tire air pressure

Always check and adjust the tire pressure before operating the scooter.

Normal Tire Pressure:

Front Wheel: 200kpa

Rear Wheel: 220kpa

!!!WARNING

Proper loading of your scooter is important for several Characteristics of your scooter, such as handling braking, performance and safety. Do not carry loosely packed items that can shift. Securely pack your heaviest items close to the enter of the scooter, and distribute the weight evenly from side to side .properly adjust the suspension for your load, and check he condition and pressure of your load, and check the condition and pressure of your tires.

NEVER OVRLOAD YOUR SCOOTER

Make sure the total weight of the cargo, rider passenger, and accessories does not exceed the maximum load of the scooter .Operation of the overloaded scooter could

cause tire damage, an accident, or even injury.



1. Tread depth 2. Side wall

TIRE INSPECTION

Always check the tires before operating the scooter. If center tread depth reaches the limit as shown, if the tire has nail or glass fragments in it, or if the side wall is cracked, contact a dealer immediately and have the tire replaced.

Minimum Tire Tread Depth:

Front: 1.5mm

Rear: 2.0mm

FITTINGS AND FASTENERS

Always check the tightness of chassis fittings and fasteners before a ride.

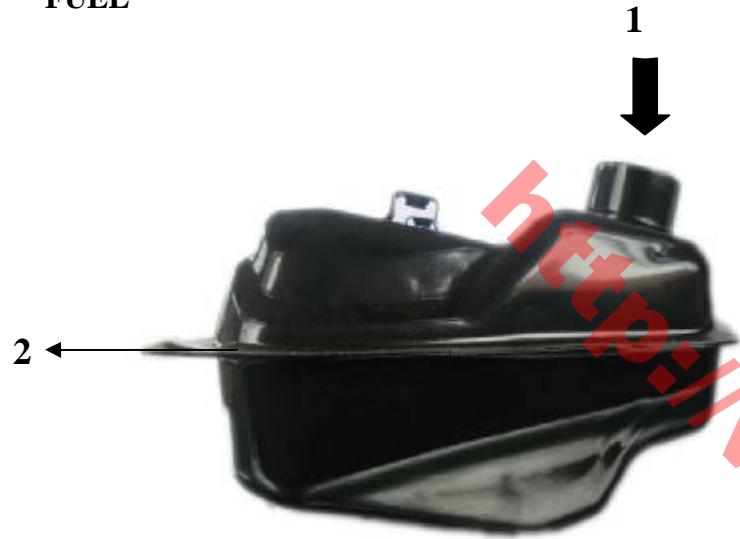
Take the scooter to a dealer to correct tightening torque.

LIGHTS, SIGNALS AND SWITCHES

Check all the lights, meter lights and indicator lights to make sure they are in working condition.

Check the operation of the handlebar switches and main switch.

FUEL



1. Filler tube 2. Fuel level

Makes sure there is sufficient fuel in the tank.

!!!WARNING

Do not overfill the tank. Avoid spilling fuel on the hot engine. Do not fill the fuel tank above the bottom of the filler tube as shown in the illustration or it may overflow when the fuel heats up later and expands.

CAUTION

Always wipe off spilled fuel immediately with a dry and clean soft cloth. Fuel may deteriorate painted surfaces or plastic parts.

Recommended Fuel:

90#unleaded gasoline

Fuel Tank Capacity:


Total 4.5l

OPERATION AND IMPORTANT RIDING POINTS

!!!WARNING _____

1. Before riding this scooter, become thoroughly familiar with all operating controls and their functions
Consult a dealer regarding any control or function that you do not thoroughly understand.
2. Never start your engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and can cause loss of consciousness and death within a short time. Always operate your scooter in an area with adequate ventilation.
3. Before starting out, be sure to use the center for safety

STARTING A COLD ENGINE

1. Turn the main switch to “on ” and the engine stop switch to “  ”
2. Completely close the throttle grip.
3. Apply brake and push the start switch to start the engine.

CAUTION: _____

It the engine fails to start, release the start switch, wait a few seconds, then try again.

Each attempt should be as short as possible to preserve the battery. Do not crank the engine more than 10 seconds on any one attempt.

For maximum engine life, never accelerate hard with a cold engine.

ACCELERATION

The speed can be adjusted by opening and closing the throttle grip. Turning it toward you increases the speed, and turn it in the opposite direction decreases the speed.

BARKING

1. Close the throttle grip.
2. Apply both front and rear brake simultaneously with light pressure and the pressure slowly.

!!!WARNING _____

1. Avoid hard or sudden braking. It may cause the scooter to skid or overturn.
 2. Be sure to apply the brake carefully if leaning over to one side. Improper braking could lead to skid.
 3. Street car rails, metal plates on road construction sites, and man-hold covers
0 become particularly slippery when in rain days.
-

STARTING OFF

After warming up the engine :

1. Apply the rear brake lever with your left hand and hold the rear grab with your right hand. Then push the scooter off the center stand;
2. Sit astride the seat and adjust the rear view mirrors.
3. Check the oncoming traffic and use a turn signal.
4. Turn the throttle grip on the right handlebar slowly and you will start off. Remember to turn off the turn signal.

ENGINE BRAKE-IN

There is never amore important period in the life of your scooter than the period between zero and 1500km for this reason we ask that you carefully read the following material.

Because the engine is brand new, you must not put an excessive load on it for the first 1500km. The various parts in the engine wear and polish themselves to the correct operating clearances. During this period, prolonged full throttle operation, or any condition which might result in excessive heating of the engine, must be avoided.

Keep the riding speed below 60km/h within 1500km.

See the following for details:

1. 0~300km:

Keep the speed below 30 km per hour.

2. 300~500km:

Keep the speed below 40 km per hour.

3. 500~1000km

Keep the speed below 50 km per hour.

4. 1000~1500km:

Keep the speed below 60 km per hour.

CAUTION: _____

After 1000 km of operation, be sure to replace the engine oil and clean the oil strainer. If the engine trouble should occur during the break-in period, consult a dealer

PARKING

When parking the scooter, stop the engine and remove the ignition key.

!!!WARNING_____

The muffler and exhaust pipe are hot. Park the scooter in a place where pedestrians or children are not likely to touch the scooter.

Do not park the scooter on a slope or soft ground; the scooter may overturn.

PERIODIC MAINTENANCE AND MINOR REPAIR

Periodic inspection, adjustment and lubrication will keep your scooter in the safety and most efficient condition possible. Safety is an obligation of the scooter owner. The maintenance and lubrication schedule chart should be considered strictly as a guide to general maintenance and lubrication intervals. You must take into consideration that weather, terrain, geographical locations, and a variety of individual uses all tend to demand that each owner alter this time schedule to shorter intervals to match the environment. The most important points of scooter inspection, adjustment and lubrication are explained in the following pages

!!!WARNING _____

If you are not familiar with scooter service, this work should be done by a dealer.

This scooter is designed for use on paved road surface only; if this scooter is operated in abnormally dusty, muddy or wet conditions, the air filter should be cleaned or replaced more frequently, otherwise, rapid engine wear may result. Consult a dealer for proper maintenance intervals.

Mortch International Ltd

PERIODIC MAINTENANCE/ LUBRICATION

A: Adjust C: Clean R: Replace T: Tighten I: check, Clean, Lubrication .Adjust or Replace if Necessary

ITEM	RODAO HAUL(KM)													Daily check
	300	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	1100	12000	
Engine oil	R	R		R			R			R			R	1
Engine oil strainer	C	C		C			C			C			C	
Gear oil	R	R		R			R			R			R	
Spark plug	Clean At every 2000km, and replace it necessary													
Valve clearance (0.03~0.06)		A			A				A				A	
Carburetor					I				I				I	
Air cleaner	Clean the element at every 2000km and replace at every 5000km													
Electrolyte of Battery		I	I	I	I	I	I	I	I	I	I	I	I	
Fuel strainer	Clean at every 1000km,replace if necessary													
Brake system	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Screws and Nuts of Each part	T					T					T			
Concentration of waste gas	Frequently check and clean													
Follow on the analogy of the mileage intervals listed above if exceeds the list number														

GEAR OIL REPLACEMENT

Replace the gear oil after initial riding for 300km, then replace again after every half year or 3000km later.

Do as below described for replacement:

1. Put the scooter on the center stand.
2. Place an oil pan under the gear case.
3. Remove the oil filler bolt and the drain plug to drain the oil.
4. Reinstall and tighten the drain plug
5. Fill the gear case with oil

Recommended Oil: APL GL-3

SAE 85W/140

Oil Capacity: 0.11L

!!!WARNING_____

Do not left foreign material enter the gear case. Be sure oil does not get on the tire or wheel.

1. Reinstall the oil filler bolt.
2. After replacing the gear oil, be sure to check the oil leakage.



drain plug

CLEANING OF AIR CLEANER

The air cleaner should be cleaned at the specified intervals. It should be cleaned more frequently if you are riding in usually wet or dusty areas.

1. Place the scooter on the center stand.
2. Remove the left side panel by removing the screws on it.
3. Remove the air cleaner cover by removing screws on it
4. Take out the air cleaner ,and remove the screws on it
5. Remove the air cleaner element and wash it gently, but thoroughly in solvent. If it is damaged, replace it.
6. Squeeze out the excess solvent and dry it.
7. Apply oil to the entire surface of the air cleaner and Squeeze out the excess oil. It should be damp, but not dripping.

Recommended oil: Same as engine oil.

8. Install the air cleaner and the air cleaner cover.

CAUTION: _____

Drain the oil accumulated in the red tube after every 1000km riding



screw

cleaner

SPARK PLUG INSPECTION

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine. The ideal color on the white insulator around the center electrode is a medium-to-light tan color for a scooter that is being ridden normally. Do not attempt to diagnose any problems yourself. Instead, take the scooter to a dealer. You should periodically remove and inspect the spark plug because heat and deposits will cause the spark plug to slowly break down and erode. If electrode erosion becomes excessive, or if carbon and other deposits are excessive, you should replace the spark plug with the specified plug.

Specified spark plug:

C7HSA(NGK), A7RTC(CHN)

Before installing the spark plug, measure the electrode gap with a wire thickness gauge, adjust the gap to specification if necessary.

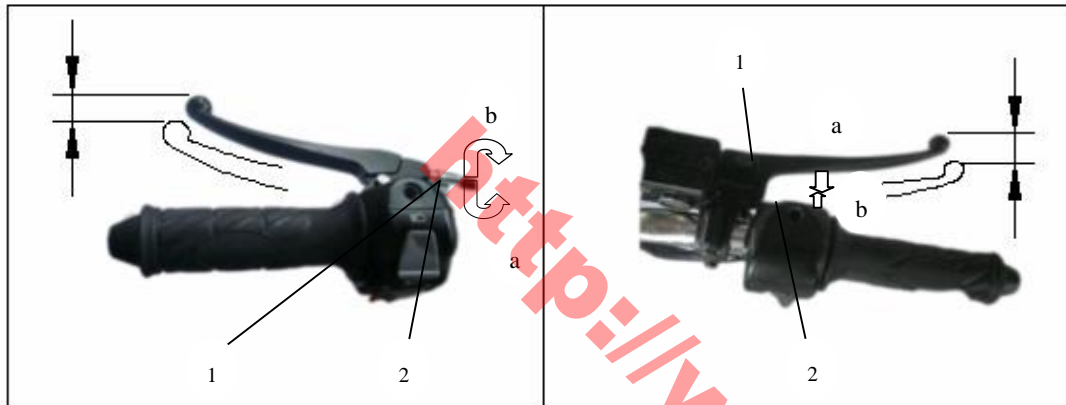
SPARK PLUG GAP:

0.6-0.7MM

When installing the plug, always clean the gasket surface and use new gasket. Wipe off any grime from the threads and tighten the spark plug with your fingers first, then later with a torque wrench.



BRAKE LEVER FREE PLAT ADJUSTMENT



1 locknut 2. Adjusting bolt

The front brake lever free play should be adjusted to 2-5mm at the brake lever end.

The rear brake lever free play should be adjusted to 10-20mm at the brake lever end.

Loosen the locknut and turn the adjusting bolt in direction A to increase free play while in direction B to decrease free play.

Be sure to tighten the locknut after adjusting.

!!! WARNING _____

When it is impossible to make the proper adjustment, ask a dealer to do this.

INSPECTING THE BRAKE FLUID LEVEL



Insufficient brake fluid may let air enter the brake system, possibly causing the brakes to become ineffective.

Before riding, check that the brake fluid is above the minimum level and fill when necessary.

Observe these precautions;

1. when checking the fluid level, make sure the top of the master cylinder is level by turning the handlebars.

2. Use only the designated quality brake fluid. Otherwise, the rubber seals may deteriorate, causing leakage and poor brake performance. Recommended Brake fluid: DOT4 If DOT4 not available, DOT3 may be used.

3. Refill with the same type of brake fluid. Mixing fluid may result in a harmful chemical reaction and lead to poor brake performance.

4. Be careful that water does not enter the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapour lock.

5. Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up the spilled fluid immediately.

6. Have a dealer check the cause if brake fluid level goes down.

BRAKE FLUID FEPLACEMENT

1. Complete fluid replacement should be done only by trained personnel.
2. Have a dealer replace the following components during periodic maintenance or when they are damaged or leaking.
 - a. Replace all rubber seals every two years.
 - b. Replace all hoses every four years.

CABLE INSPECTION AND LUBRICATION

!!!WARNING

Damage to the outer housing of cables may allow internal rusting and cause interference with cable movement. Replace damaged cables as soon as possible to prevent unsafe conditions.

Lubricate the inner cable and the cable end . if it does not operate smoothly, ask a dealer to replace them.

Recommended lubricant:

SAE 15W-40 SF

BRAKE LEVER LUBRICATION

Lubricate the pivoting parts of both brake levers.

Recommended lubricant:

SAE 15W-40 SF

CENTER AND SIDE STAND LUBRICATION

Lubricate the pivoting and mating joints.

Check to see that the center and side stand move up and down smoothly.

Recommended lubricant:

SAE 15W-40 SF

!!!WARNING_____

If the center and/or side stand does not move smoothly. Consult a dealer.

FRONT FORK INSPECTION

!!!WARNING _____

Securely support the scooter so there is no

Danger or falling over

CAUTION: _____

If any damage or unsmooth movement is found with the front fork. Consult a dealer.

1. Visual Check:

Check for scratches or damage on the inner tube and excessive oil leakage from the front fork.

2. Operation Check: place the scooter on level place.

- a. Hold the scooter in an upright position and apply the front brake.
- b. Push down hard on the handlebars several times and check if the fork rebounds smoothly.

STEERING INSPECTION

Periodically inspect the condition of the steering.

Worn out or loose steering bearings may be dangerous. Place a stand under the engine to raise the front wheel off the ground. Hold the lower end of the front forks and try to move them forward and backward. If any free play can be felt, ask a dealer to inspect and adjust the steering. Inspection is easier if the front wheel is removed.

!!!WARNING_____

Securely support the scooter so there is no danger of falling over.

WHEEL BEARINGS

If there is play in the front or rear wheel hub or if the wheel does not turn smoothly, have a dealer inspect the wheel bearings.

FUSE REPLACEMENT

If the fuse is blown, turn off the main switch and the switch of the circuit in question. Remove the screws on battery case cover, the fuse of specified amperage. Make sure the new fuse is fitted securely.

Turn on the switch and see if the electrical device operates. If the electrical device operates. If the fuse immediately blows again, consult a dealer.

CAUTION : _____

Do not use fuses of higher amperage rating than those recommended. Substitution of a fuse of improper rating can cause extensive electrical system damage and possibly a fire.

Specified Fuse:15A

CLEANING & STORAGE

A. CLEANING

Frequent, thorough cleaning of your scooter will not only enhance its appearance but will also improve its general performance and extend the useful life of many components.

1. Before cleaning the scooter:

- a. Block off the end of the exhaust pipe to prevent water entry, a plastic bag and strong rubber band may be used.
- b. Make sure the spark plug and all filler caps are properly installed.

2. If the engine case is excessively greasy, apply degreaser with a paint brush. Do not apply degreaser to wheel axles.

3. Rinse the dirt and degreaser off with a garden hose.

Use only enough pressure to do the job.

CAUTION : _____

Excessive hose pressure may cause water seepage and deterioration of wheel bearings, front fork, brakes, transmission seals and electrical parts. Many expensive repair bills have resulted from improper high pressure detergent applications.

4. Once the majority of the dirt has been hoses, wash all surfaces with warm water and mild, detergent-type soap. An old toothbrush or bottle brush is handy for hard-to-touch places.
5. Rinse the scooter off immediately with clean water and dry all surfaces with a chamois, clean towel, or a soft absorbent cloth.

6. Windscreen cleaning

CAUTION : _____

Avoid using any alkaline or strong acid cleaner, gasoline, brake fluid, or any other solvent.

Clean the windscreen with a cloth or sponge dampened with a neutral detergent, and after cleaning, thoroughly wash it off with water. Some cleaning compounds for plastics may leave scratches on surfaces of the windscreen.

Before using them, make a test by polishing an area which does not affect the visibility.

7. Clean the seat with a vinyl upholstery cleaner to keep the cover pliable and glossy.

8. Automotive-type wax may be applied to all painted and chrome-plated surfaces. Avoid combination of cleaner and wax. Many contain abrasives which may mar the paint or protective finish. When finished, start the engine and let it idle for several minutes.

B. STORAGE

Long term storage (60 days or more) of your scooter will require some preventive procedures to guard against deterioration. After thoroughly cleaning the scooter, prepare for storage as follows:

1. drain the fuel tank, fuel line and carburetor float bowl.
2. remove the spark plug, pour about one tablespoon of spark plug, pour about one tablespoon of SAE 10w30 motor oil in the spark plug hole and reinstall the spark plug. Turn the engine over several times (ground the spark plug wire) to coat the cylinder wall with oil.

!!!WARNING

When using the starter motor to crank the engine, remove the spark plug wire, and ground it prevent sparking.

3. Lubricate all control cables.
4. Block up the frame to raise both wheels off the ground.
5. Tie a plastic bag over the exhaust pipe outlet to prevent moisture from entering.
6. if storing in a humid or salt-air atmosphere, coat all exposed metal surfaces with a light film of oil. Do not apply oil to any rubber parts or the seat cover.
7. Remove the battery and charge it. Store it in a dry place and recharge it once a month. Do not store the battery in an excessively warm or place (less than °C or more than 30°C).

CAUTION: _____

Make necessary repairs before storing the scooter.

subject	Technical details	Subject	Technical details
Displacement	49.3	Maximum Torque(kw/(r/min))	4.8/(6500+325)
Compression	7.5:1	Maximum Speed(km/h)	45(70)
Cooling	air cooled	Fuel Capacity	6.0L
Engine Type	single/2 stroke/horizontal	Fuel Type Capacity	90# (GB 17930-1999)
Lubrication	Auto segregation lubricant	Fuel Consumption(g/kw.h)	476
Oil Pump	Plunger	Ignition	CDI
Carburetion	VM16-462	Ignition Advance Angle (° / (r/min))	14.1/5000
Magneto	A.C.	Starting	Electric/kick
Bore/Stroke (mm)	40*39.2	Clutch	Dry automatic centrifugal
Maximum Power (kw/(r/min))	3.4/(7500+375)	Size(L/B/H) (mm)	624/407/327
Rate Power (kw/(r/min))	3.2/(7000+350)	Engine Net Weight(kg)	21

Mortch International Ltd
TECHNICAL DATA

Type: JHT1750CC2T

subject	Technical details	Subject	Technical details
Spark Model	4E8T or BP7HS	Front Tire	130/60-13(130/70-12)
Spark Gap(mm)	0.6--0.7	Rear Tire	130/60-13(130/70-12)
Transmission	CVT	Overall	1860/680/1220
Transmission Ratio(Crankshaft to clutch)	N/M	Wheelbase	1280
Gear Reduction Ratio First	3.69 (48/13)	Seat height	860
Gear Reduction Ratio Second	3.5(42/12)	Ground Clearance	130mm
Front Brake	Disk	Net Weight	105
Rear Brake	Drum	Maximum Load	130KGS