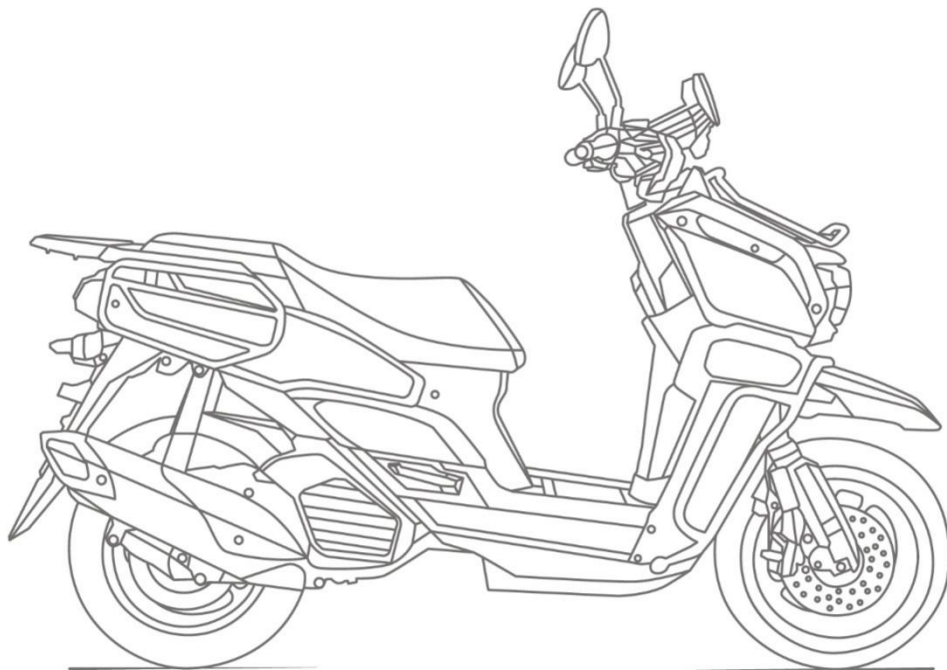


KEET150

USER MANUAL



KEEWAY



P1203

Important Attention Points

- Driver and passenger:

This motorcycle is limited to one driver and one passenger. Never exceed the max load capacity.

- Safety: avoid driving the motorcycle in extreme weather and cold weather below -12°C.

- Road condition

Only drive on the highroad.

The caution banners about the safety or environment protection stick to the sundries box cover, the rear carrier, and fuel tank cap. (Visible before or during driving)

- Please read the user's manual carefully

You must pay attention on the warning sentence or paragraph.

WARNING

Not following the operation instruction in this manual may cause injury to you and the vehicle.

ATTENTION

Regard this manual as a permanent part, even when transferring the vehicle to a new owner, transfer the manual at the same time.

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I. Notice for safe driving

Rules for safe driving

1. Many traffic accidents are caused by the inability of car driver to notice the motorcyclist, so the motorcyclist should try his best to be noticed by other drivers.
 - ※Put on the specialized coat in bright color or warning mark.
 - ※Drive with great caution in the place with dazzling light or in blind spot.
2. Particular care should be exercised at the level crossing of roads, entrance and exit of parking lot or on the automobile lane.
- 3 .Never over speed, otherwise accident may occur.
4. You must get the driving license and be familiar with the vehicle. Never lend the vehicle to the man without driving license or who is unfamiliar with motorcycle.
5. Avoid driving on the rough road. This can easily result in operation failure and structural damage to the vehicle frame.
6. Check up before driving. (See page 12)
7. When driving, hold the handle bar and put feet on the footrest
8. Don't drive too close to other vehicles. Never contend for lane, and strictly observe the local traffic.

Payload

- **Admonition**

Only put light goods in sundry boxes or other deposited space.

The deposited space can't be overloaded, details are shown in Table 1.

Table 1

Deposited position	Stated weight (kg)
Carrier	5kg
Luggage box	5kg

- **The max payload of this motorcycle is 160 kg, including the weight of the driver, passenger and goods.**
- **If the motorcycle is over loaded, it will affect the stability and operation of the motorcycle.**
- **Tie all the goods needed to be carried on the motorcycle.**
- **Child is not allowed in the rear shelf seat.**

II. Various Parts Name and Instruction

Parts & subassemblies (Fig1)



Fig1



- 1. Rear view mirror
- 5. Tail light
- 9. Seat lock
- 13. Battery location
- 17. Main stand

- 2. Speedometer
- 6. Rear L.& R turn light
- 10. Headlight
- 14. Air cleaner

- 3. Front and rear brake
- 11. Rear carrier
- 15. Kick starter

- 4. Helmet hook
- 8. Side reflector
- 12. Front L & R turn light
- 16. Side stand

Meter and indicator (Fig2)

1. Left turning signal: Blinking when the button turns left;
2. Fuel warning indicator;
3. High beam indicator: When button  is on, high beam indicator works;
4. System error indicator lamp;
5. Right turning signal: Blinking when the button turns right;
6. Fuel meter: Indicating the level of fuel;
7. Speedometer: Indicating the speed of the vehicle;
8. Odometer: Indicating total mileage of the vehicle;
9. Speedometer: Indicating the rotation speed of engine RPM;

Fuel meter (Fig2)

Fuel meter (6) indicates the fuel volume in the fuel tank.

When the needle points to (E), it indicates the remaining fuel is 1.2L.

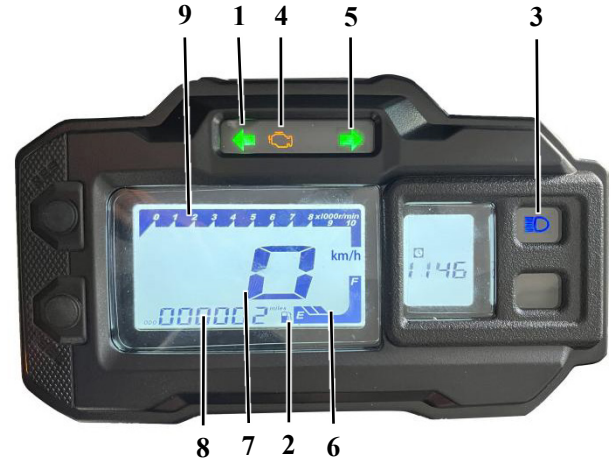


Fig2

Ignition switch (Fig 3)

(1)Open (ON)—When the switch turns to this position, engine is started and do not pull out the key.

(2)Close (OFF)—When the switch turns to this position, engine is stopped and take out the key.

(3)Lock (LOCK)—Press down the key and turn from (OFF) to lock (LOCK) position, take out the key, don't turn the handlebar, and don't start the engine or turn on any light.



Fig3

Steering lock (Fig 4)

Turn the handlebar completely to the left, press down the ignition key and turn to lock (LOCK) position the steering is locked. Press down ignition key and turn from (LOCK) to (OFF) or (ON) position to unlock the steering.



Fig4

Cushion lock (Fig 3)

Insert the key into the key hole, then turn the key anti-clockwise as the arrow guides and open the cushion.

Press down the cushion until a close-down voice is heard. Pull up

the cushion's rear side to make sure the cushion is locked well, then take out the key.

Headlight switch 1 (Fig 5)

To the far right is off, to the middle is to turn on the driving lights, to the far left is to turn on the headlights;

Flame out switch 2 (Fig 5)

Press the switch“

Headlight dimmer switch 1 (Fig6)

Press“

Turning signal light switch 2 (Fig6)

When the switch is on“

Horn switch 3 (Fig6)

Press this switch to make the horn work.



Fig5

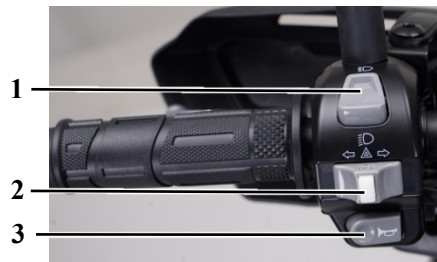


Fig6

III. Operation Instruction

Check up before driving

For safety and preventing trouble or accident, checking up is necessary.

Fuel

When the pointer or fuel meter is close to red section, replenish fuel. And check whether the tank and the carburetor are in good condition.

- Fuel tank contains max.7.5L.
- Turn the tank cover anti-clockwise to open the fuel tank. (Fig7)
- Proposal fuel, octane number is above 90.
- Do not replenish fuel together with water, dust or other things.



Fig7

NOTICE:

- Fuel is inflammable, it possibly causes fire even exploding under a certain condition, replenish fuel only in an airiness place after stopping the engine, no fire in the place of fuel replenishment or fuel storage.
- Don't make the top level of fuel above the inlet tube of fuel tank when replenishing, lock the tank well after replenishment.
- Fuel is poisonous, keep your skin or eyes away from it, and put it out of touch of children. If swallow any fuel unconsciously, see the doctor at once.

Inspect the engine oil level (Fig8)

1. Keep the motor steady on the ground, screw out the oil dipstick and clean it, then reinsert and inspect oil.

2. If the oil level reaches down limit sign (3), replenish the standard oil to the level below upper limit sign (2), then insert and screw in the lid back.

Check if it's in good situation.



Fig8



Recommended engine oil:

SJ SAE 15W/40

Total amount: $0.7L \pm 0.1L$

Periodic oil change: $0.6L \pm 0.1L$

The free path of rear brake handle (Fig 9)

Measure the free path of rear brake pedal before braking function, the free path should be between 10-20mm, take the tail of brake handle as standard.



Fig9

Abrasion mark of the brake (Fig 10)

(1) When the rear disc gets worn to the limit (see the notice on the disc: MIN.TH.3mm), the old disc must be changed in order not to influence the brake performance.



1

Fig10

Notice: Once maintenance for brake system is needed, ask the dealer for maintenance and replacement if necessary.

WARNING:

When the front disc gets worn to the limit (see the notice on the disc: MIN.TH.3mm), the old disc must be changed in order not to influence the brake performance.

Tire:

- Check the tire pressure regularly and adjust if necessary.

Front tire pressure: 225kPa Rear tire pressure: 225kPa

- Check when the tire is in cold state.
- Check if the motorcycle has a flat tire, mend it immediately when it has.
- Check if any metal trash or gravel in the groove of tires
- Replace the tire when it wears out to the abrasion mark.

ADMONITION:

- **If the tire pressure dose not accord with the standard, it will possibly cause traffic accidents.**
- **It is dangerous to use a worn tire because the friction between tire and road will be affected, which will possibly bring trouble to driving or even cause an accident.**

Start engine (Fig 11)

- Put the key into the key hole and turn to “⤵”.
- Electric starter: press start button (1) to start engine, don't keep the start button pressed more than 5 seconds each time.

NOTICE:

- Electric starting is based on grasping the brake handle.
- If electric starting doesn't work, there must be a break for 30 seconds before you start the engine with it again.
- When starting the engine in cold condition, please warm up engine for 3 minutes before running.
- The engine will be over heated if it works for a long time at idle speed in an extremely hot day, you need to power off the engine immediately.



1

Fig11

Drive motorcycle

WARNING:

- The temperature of exhaust pipe is very high during driving, you will be injured if touching it carelessly, even within little time after stopping, the temperature can also cause injury, so wear trousers to protect your legs against injury.
- Wear helmet, glasses, and gloves when driving.
- Loose or unsuitable clothes may cause an accident during driving.
- All devices must be installed according to requirement of the traffic rules. Take the license with you when driving, each equipment of the motorcycle should accord with the local traffic law.

NOTICE:

Control the speed and payload during the first 1000km. Payload lower than 160kg is appropriate (including the weight of driver), over speed or over loading will shorten the life of engine.

Control the speed according to table 2

Table 2

Log (km)	0~200	200~500	500~1000
Speed (km/h)	≤30	≤45	≤55

Driving operation (Fig12)

- Release Main-Stand and sit on the saddle, step on the ground by left foot to make motorcycle plumb with floor.
- Turn the throttle when starting, put your left leg back to footrest and control the throttle to make the motorcycle reach good speed. The speed can be adjusted by opening and closing the throttle. To increase the speed, turn the throttle grip in direction (a). To reduce the speed, turn the throttle grip in direction (b).



Fig12

Notice:

- **Do not accelerate or release the throttle grip suddenly to prevent that motorcycle rushing out unexpectedly.**
- **Driver must release the side stand before driving and try to know the status of running road.**

Brake operation

1. Control the throttle grip

You must control the throttle grip and use both of the brake systems to slow down.

Notice: Drive with care when driving in bad situation like on moist or wet road. In a rainy day, do brake operation, speedup operation or turning operation carefully.

2 Front brake and rear brake work at the same time.

Notice: When driving down on a cliff brae, do not accelerate and use both of the brake system to make the speed lower. Don't do brake operation continuously to make it too hot, which will affect the performance of brake.

Warning: When driving on a smooth or curving road at a high speed, don't use only one brake system, you must use both rear and front brake system at the same time to avoid an accident.

Power off the engine (Fig 13)

- Turn the ignition switch to (OFF)



Fig13

Parking operation:

When parking, turn the key to (LOCK) position, put down the support and lock the steering. (See P6)

Admonition: Park the motorcycle on a flat ground, or it may fall and cause injury.

Notice for anti-theft

- Lock the steering and do not leave key in the key hole when you leave.
- Park the motorcycle in a car barn if possible.

IV. Maintenance and Service

Maintenance periodic form

This maintenance is based on the odometer, see the maintenance periodic form as an important guide for your motorcycle's maintenance on schedule. You should increase the frequency of maintenance if you use the motorcycle at a high speed in a bad situation for a long time. Some main parts of your motorcycle should be inspected by a career man after a repair for most parts or collision, like frame, hanger, or turning parts. Repair or replace broken parts to secure your safety.

Notice: For the safety and dependability, never refit. Use the original parts for replacement. Otherwise, the performance and operation function will be affected.

Warning: For the safety of personnel, no matter whatever maintenance work carries on, first power off the engine, park the motor on a good ground and support the motorcycle with stands well.

Notice: The motorcycle without use in winter or having been parking for longer than one month needs maintenance before driving to check if the fuel, tire and battery are bad or eroded.

Maintenance periodic form (Table 3)

I: Check and adjust it when needed.

C: Clean

R: Change

Table3

Item \ Cycle			Speedometer (x1000km)				
			1	4	7	10	Ref page
*	Fuel pipe		I	I	I	I	
*	Air filter	(Note1)	I/R	I/R	I/R	I/R	19
*	Spark plug	Replace every 2 years or 15000km (whichever comes first as a rule)			I		22
*	Valve		I	I	I	I	
*	Engine oil		R	R	R	R	20
*	Engine oil filter			I/R	I/R	I/R	20
*	Cooling system			I	I	I	
*	V-belt	Replace every 2 years or 15000km (whichever comes first as a rule)	C/1000km,if needed: R				
*	Gearbox oil	(Note3)	R		I		21

Table3

Cycle Item			Speedometer (x1000km)				Ref page
			1	4	7	10	
	Brake system		I	I	I	I	9
	Brake cable			I	I	I	
*	Headlight			I	I	I	
*	Suspension system			I	I	I	
*	Nuts\bolts	(Note2)	I		I		
**	Wheel, tire			I	I	I	10
**	Turning bearing		I			I	

* Unless you are an expert on machine and hold a full set of tools and maintenance data, or ask the dealer for maintenance or repair.

** For safety, it's recommended the all of items done by the dealer.

Note:

1. You'd better shorten the period of maintenance if use the motorcycle in a particularly moist or dusty area, and when the fuel consumption increases, and acceleration effect is bad, you should change some parts.
2. If you usually drive the motorcycle on rugged roads, please go for a maintenance to protect the performance of the vehicle.
3. Change the items as the season changes in a cold area.

Clean the air filter (Fig14)

- Take down the fixing bolt of air cleaner cover
- Take out the filter element from the air cleaner box.
- Clean the filter element using compressed air or dry brush or put a new filter in the air cleaner box.
- Install in reverse order.



Fig14

NOTICE:

- Never use gasoline or low burning point solvent to clean.

Battery maintenance (Fig15)

ADMONITION: Never take apart upper cover of the electrolyte.

- If you don't use the motorcycle for a long time. Please take out the battery and keep it in a ventilated and dry place.
- If the peg of battery is corroded, please take it out and clean it by boiled water.



Fig15

NOTICE: Turn off the ignition switch before taking out the battery. Take negative terminal first and positive terminal next. Install in reverse order.

Change oil (Fig16)

- Change oil only when the engine is warmed up and the vehicle is supported by main stand, to drain out all the oil completely and quickly.

Clean the oil strainer mesh (Fig16)

- Screw out the cover of oil hole /oil dipstick and the cover of oil strainer mesh, remove oil drop bolt 1, then take down strainer mesh 2 and spring 3.
- Clean the oil strainer mesh using cleaning agent.
- Install the oil strainer mesh, spring and oil drop bolt.
- Inject standard oil into the engine, not exceeding the upper mark.
- When measuring the oil level, do not screw down the cover of oil hole / oil dipstick.
- Install the cover of oil hole / oil dipstick.
- Start engine and keep it working at idle speed for a few minutes, then turn it off
- Measure the oil volume of engine again to make sure it does not leak.

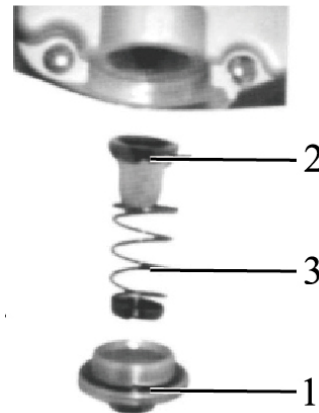


Fig16

Change gear oil (Fig 17)

Recommended gear oil:

SAE 80W/90 (you can use anti-freezing oil in very cold area)

Changing capacity: 0.10L

- Place the vehicle by the main stand
- Screw out the immersion bolt 1 and oil-drain bolt 2.

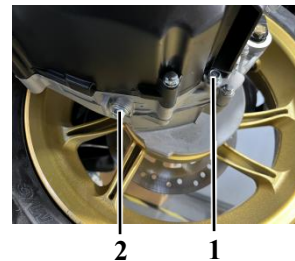


Fig17

- **NOTICE: When draining the oil, the engine needs a certain temperature, use the main stand to support the motor, make sure all the oil is drained.**
- Clean the drain bolt and then reinstall it.
- Inject oil into the hole of the immersion bolt slowly till the oil spills over.
- Fix the immersion bolt and screw it tight.

Spark plug (Fig18)

Spark plug specification

Standard: A7RTC/CR7HSA

- Disconnect the joint of the spark plug cover and take apart the spark plug with special spanner.
- Check if there is any burning ash or accumulated dirt on electrode or porcelain head, if it burns badly, replace the spark plug. Clean the ash or dirt with plug cleanser or a brush.
- Normally the gap between side electrode (1) and center electrode (2) is 0.6-0.7 mm.
- Don't use other kind of spark plug with different specification.

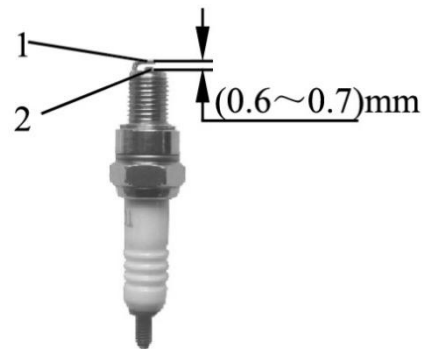


Fig18

Fuse replacement

The rated electric current of the fuse is 15A. If the fuse often burns down, it indicates the short circuit or overload in the electric system. Ask the dealer to repair it, and never use the brass wires to replace the fuse.

V. Vehicle Storage

STORAGE

If the vehicle hasn't been used for a long time, some steps should be taken to prevent malfunction and damage to the parts. Besides, before the long-time storage, proper repairs should also be done.

- Change the engine oil.
- Drain out the fuel in the fuel tank and fuel carburetor.

Warning: Gasoline is inflammable and may cause fire and even explosion on certain conditions. Therefore, no fire when draining.

- Take down the spark plug, inject about 15-20ml oil into the cylinder, step down the kick pedal several times and then fix the spark plug back.
- Take down the battery and place it in a place without strong light or cold, charge it every month.
- Clean the vehicle and wipe it dry, coat the wax on the surface of the paint, and anti-rust oil on other metal parts.
- Cover the vehicle and put it in a cool place.

Use the vehicle after long-time storage

- Take off the cover and clean the vehicle. You should change the oil after 4 months above storage.
- Charge the battery if necessary, and fix it on.
- Check all the parts before driving. Ride motorcycle in a low speed in non-busy area, make sure the safety.

VI. Vehicle Identification

Position of the model code, vehicle identification number and engine number. (Fig 19)

Provide the numbers above when registering for a license, do yearly inspection, and conduct the after-service.

The rivet for fixing name plate is on the right side of main frame.



Fig19



Fig20

VII. Tool Kit

Tool kit bag (Fig 20) is placed in the luggage box under the saddle, and tool kit contains the following tools:

Screwdriver; Double ended wrench; Spark plug sleeve; Toolkit.

VIII. Main Technique Parameter

General information	Model	KEET 150	Physical measures	Dry weight (kg)	119
	Picture			Seat height (mm)	780
	Year			Overall length (mm)	1940
	Category	Scooter		Overall width (mm)	710
				Overall height (mm)	1155
Engine and transmission	Displacement (cc)	149.5	Chassis and dimensions	Ground clearance(mm)	150
	Engine type	1P57QMJ-A		Wheelbase(mm)	1310
	Engine mode	1-cylinder/4-stroke/2-valve		Frame type	Flat scooter
	Bore x stroke(mm)	φ57.4x57.8		Front suspension	Telescopic forks
	Max. power	6.8kW/7500 r/min		Front suspension travel (mm)	75
	Max. torque	9.3Nm/6000 r/min		Rear suspension	Mono shock absorbers
	Compression ratio	9.5:1		Rear suspension travel(mm)	60
	Fuel system	Carburetor		Fr. tire	130/70-12
	Valve train	SOHC		Rr. tire	130/70-12
	Ignition	C.D.I.		Fr. Brakes	Disc
	Starter	Electric & Kick		Fr. brakes diameter (mm)	180
	Lubrication system	Pressure splash lubrication		Rr. brakes	Disc
	Cooling system	Forced-air-cooled		Rear brakes diameter (mm)	110
	Gear shifting type	Automatic CVT	Other specifications	Top speed (km/h)	90
	Transmission type	V-Belt		Max load (kg)	160
	Clutch type	Automatic		Fuel capacity (L)	7.5
				Battery	12V8.6Ah/10HR

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