
Contents

- 1 Maintenance of Motorcycle
 - 2 Spare Parts
 - 3 Tool Kits
 - 4 Replacing Lubrication.
 - 5 Replacing Lubrication.
 - 6 Dismounting of Front Wheel
 - 7 Dismounting of Rear Wheel
 - 8 Adjustment of Driven Chain
 - 9 Lubricating of Driven Chain
 - 10 Inspecting Friction Discs
 - 11 Inspecting Friction Discs
 - 12 Instruction To Replace Bulbs.
 - 13 Instruction To Replace Bulbs.
 - 14 Instruction To Replace Bulbs.
 - 15 Instruction To Replace Bulbs.
 - 16 Instruction To Replace Bulbs.
 - 17 Inspection And Replacement of Fuse
 - 18 Battery
 - 19 Dismounting of Battery
 - 20 Spark Plug
 - 21 Cleaning and Maintenance
 - 22 Storage of Motorcycle
 - 23 First Using after Storage
 - 24 Dimension
 - 25 Transmission System
 - 26 Engine
 - 27 Engine
 - 28 Electric Equipments.
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All the maintenance schedule and mileage periods regulated in this manual is for safety driving and to prolong usage periods of motorcycle.



Attention:

We will not take responsibilities for any damages happening during maintenance from other service station which are not authorized by our jialing group.

For your sake, please go to local authorized service station to have your bike maintained by trained and qualified specialist.

All our authorized service stations are updated with the latest technics. They have special technology. If you have any questions, please consult our local authorized service station. High technologies have been applied to this bike. To finish the maintenance and make sure your motorcycle is in good condition, special tools, equipment for inspection are needed. Make sure you are capable of handling all the problems before operating. Otherwise, please go to our authorized service station for consulting. During the guarantee, users should follow the instruction of maintenance schedule to our authorized service station for inspection and maintenance. Users will be regarded as giving up these maintenance rights if they do not follow the necessary steps required in this service manual.



For your consideration and safety, please use our admitted spare parts and accessories.

**Attention:**

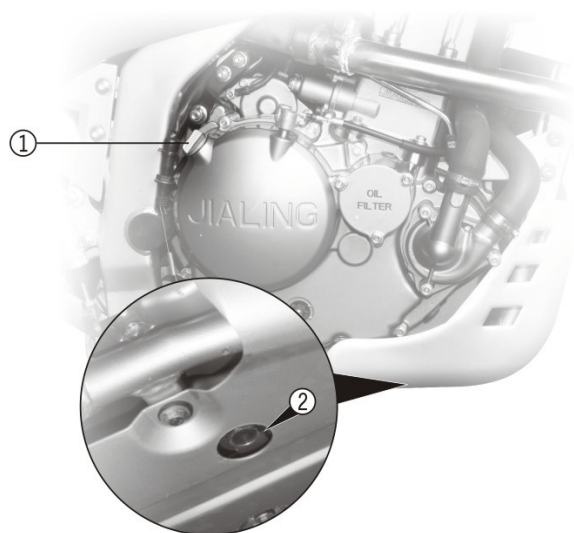
Jialing will not take any responsibility to those damages caused by other spare parts or accessories without our admitting.

Please consult our authorized service station or agent for installing of spare parts, accessories and other admitted products.

Following tools are attached

- * Screw Driver
- * Grip, Screw Driver
- * Pliers 135
- * Spanner6×90
- * Socket19×16
- * Spanner10×13

Tool kits are below the seats of motorcycles. They can be used for repairing, small adjusting or changing spare parts.



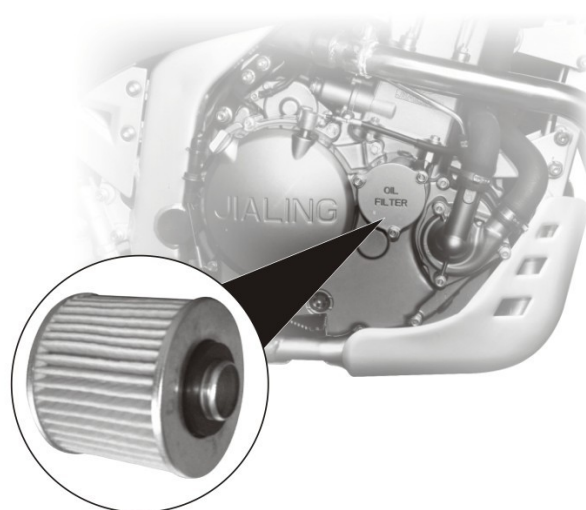
Instruction

Warm up engine before replacing lubrication, then flame out to exhaust lubrication.

Putting a empty oil holder under engine when exhausting lubrication to avoid polluting environment.

Use the main stand to support motorcycle on plaine road. Remove the oil cover1 then screw off oil drain bolt2 (at the bottom of engine)

-4-



Remove oil fileter cover and take out oil fileter to clean it. After cleaning the oil fileter, putting it back and screw the oil drain bolt. Inject 2300ml qualified new lubrication from oil cover into engine and check wheter the oil level is standing between the upper level and lower level. Check wether there is a leakage. Put back the oil cover.



Attention

Change lubrication and oil filter element as required within maintenance peridods.

Shorten the periods of replacing lubrication and oil filter element when driving in dusty roads.

-5-

Dismounting of Front Wheel



Use a jack or support to raise front wheel when dismount it.

Loose 4 bolts on front shock absorber board, take out front wheel axle with fixture spanner and get front wheel off then.



Attention

Do not touch front brake handlebar after front wheel is dismounted

Do not damage the brake disc when putting front wheel.

Follow the way reversely to assemble front wheel.



Attention

Brake disc must be put into brake plier.

Fix upper bolts before tightening bolts on shock absorber board.

Torque for front wheel axle: 50-60n.m

Torque for bolts on shock absorber board: 8-12n.m.



Warning

To ensure brake system is working after finished assembling by holding brake handlebar several times.

Dismounting of Rear Wheel



Use main stand to support motorcycle

Remove rear chain case (4 bolts)

Remove fixture nut on rear wheel axle.

Loose bolts on adjuster and open chain to get rear wheel axle out.

Take out rear wheel.

Follow the way reversely to assemble front wheel



Attention

Brake disc must be put into brake plier; rear wheel axle move from left to right.

Check the swing range of chain when it is assembled. Adjuster of chain for both sides should be at the same level.

Torque for fixing rear wheel axle is : 80-100n.m.

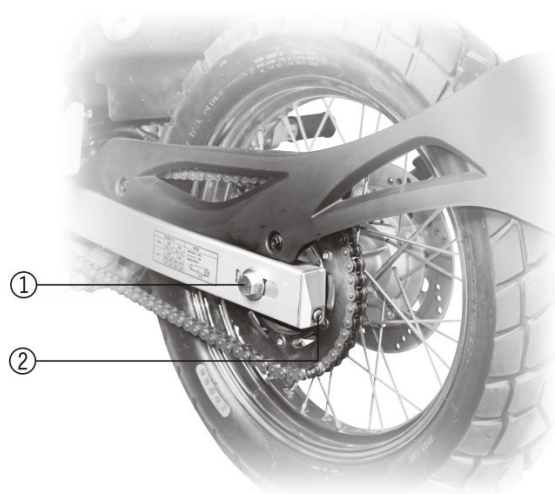


Attention

Do not use rear brake pedal after rear wheel is dismounted

Do not damage brake disc when putting wheel.

Adjustment of Driven Chain



Loose rear wheel axle nuts 1

Turn bolts on adjuster of two sides 2, adjust swing range of driven chain to required ranges.

Fix rear wheel axle nuts and adjusting bolts.



Instruction:

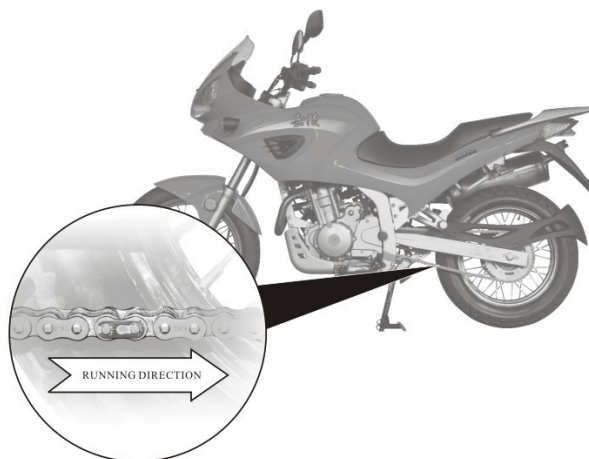
Make sure scale of two adjustors on both sides are the same.



Warning:

Make sure fix rear wheel axle nuts at the torque regulated. (see service manual page 16)

Lubricating of Driven Chain



Use a fine piler to remove flexible lock flake, then disconnect chain joint and take out chain. Use tools to dismount big and small sprocket wheel.

Put big and small sprocket wheel into cleanser for washing. Air-dry it after cleaning. Inspect wear and tear on sprocket wheels. Change them when it's necessary.

Lubricate sprocket wheel and driven chain with proper oil or spray lubrication on them.

Do the same way reversely when reassembling. And adjusting the swing.



Instruction:

Driven chain includes many spare parts running together. If necessary maintenance does not be taken, it will shorten the life of driven chain.

Cleaning and lubrication of driven chain for every 500km; when driving in dusty areas, should pay more attention to the maintenance of driven chain.



Attention:

The direction of spring flake and driven chain should be opposite.



Front Wheel Brake



Instruction:

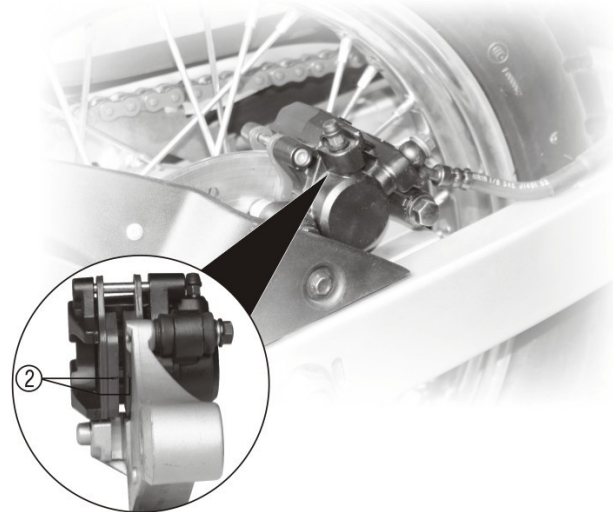
Hydraulic disc brake system works under high pressure. To make sure brake system is safe, replacing time of friction disc and brake oil must not exceed the time limited in this service manual.

Maintenance or replacing of hydraulic disc brake system only can be done by our technicians from our authorized service station.

Inspect Thickness of Brake Friction Disc.

There must be a clear notch on friction disc.

If the notch is unclear, please change friction disc.

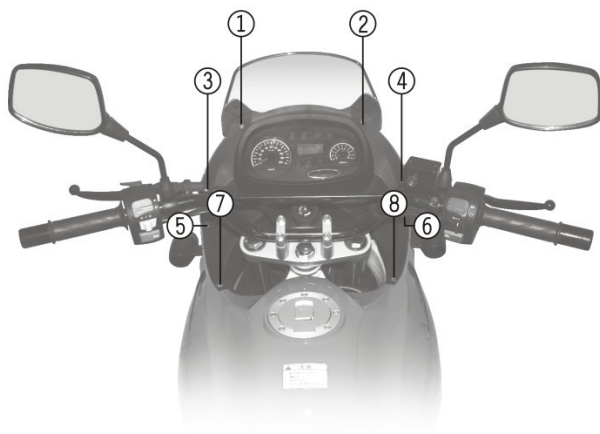


Instruction:

Maintenance or replacing to hydraulic brake system can only be operated by technicians from our authorized service station.

Inspect rear brake system by checking thickness of friction discs. There must be a notch on friction disc. If this notch is unclear, please change friction disc.

Insturction to Replace Bulbs



Attention :

Turn off ignition switch before replacing bulbs.

Screw out eight bolts on speedometer. Take out speedometer lens and speedometer.

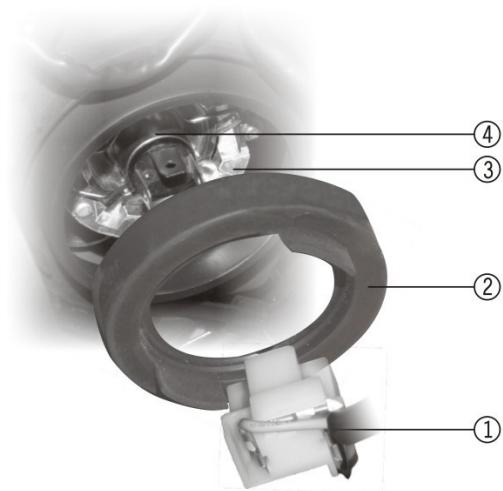


Attention :

While dismount speedometer, do disconnect connecting wire.

- 12 -

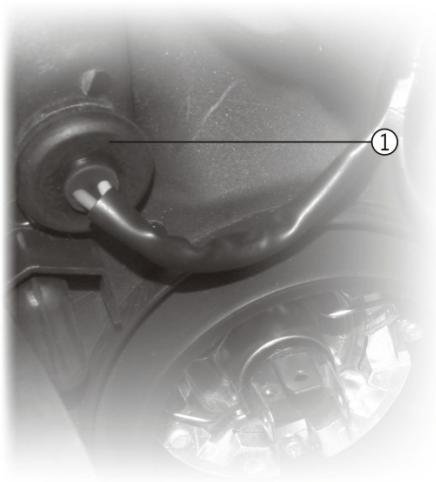
Insturction to Replace Bulbs



Replace Front Headlight

- 1 Take out bulb connection
- 2 Pull out waterproof rubber.
- 3 Take out clips.
- 4 Replacing damaged one with a new bulb.

- 13 -



Replace Front Parking Lights

- 1 Pull out parking lights base 1.
- 2 Replacing damaged one with a new bulb.



Replacing Front Winker Bulbs



Attention:

Turn off ignition switch before replacing bulbs

- 1 Srew out connection bolts on front/rear part of front winker.
- 2 Take out bulb base in counterwise rotation.
- 3 Replacing damaged one with a new bulb.

Instruction to Replace Bulbs



Attention:

Turn off ignition switch before replacing bulbs.

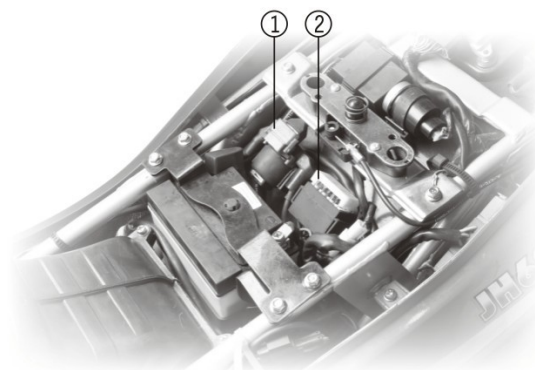
A Replacing Rear Parking Light

- 1 Open up seat
- 2 Take out rear parking light comp. In counterwise rotation.
- 3 Replacing damaged one with a new bulb.

B Replacement of rear parking light

- 1 Open up seat
- 2 Take out rear parking light comp. In counterwise rotation.
- 3 Replacing damaged one with a new bulb.

Inspection and Replacing of Fuse



Specification of Fuse

- 1 30a main fuse for electrocircuit.
- 2 20a-efi for protecting ecu system electrocircuit.
- 3 15a-ems for protecting engine management system (fan, relay starter, oil pump relay, ecu, alert)
- 4 15a-light for protecting headlight electrocircuit.
- 5 15a-sign for protecting signal system.

Replacing Fuse

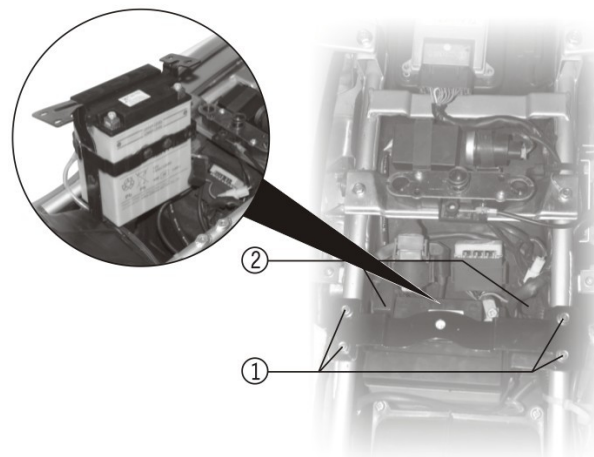
Main fuse 1 was put inside the relay starter. Take out relay starter connection to change fuse. There are fuse prepared in rubber cover of relay starter.

The other fuse 2 were sitted inside fuse holder. Use the fuses in holder to replace damaged one.



Warning:

Only fuses to above required specification can be used to replace previous damaged one. Never connect wire directly to electrocircuit otherwise it will damage electric parts and may lead burning to motorcycle.



Inspection and Injection of Battery Liquid

12v14a*h lead acid battery for this model.



Warning:

Vitriol is included in battery. Vitriol will cause severe burn to skin or eyes. Do wear exposure suit and blinkers.

Clean it with pure water immediately if vitriol gets to skin.

If vitriol get to eyes, clean it with pure water at least for 15 minutes and go for your doctors. Battery liquid is poisonous. If it's swallowed by accident, drink as much water or milk as possible. After then, drink magnesia emulsion or plant oil. And go for your doctor immediately.

Liquid should be kept between the level "max" and "min". If it's below "min" lever, inject distilled water with a small plastic pipe.



Attention:

Only distilled water can be used for battery. Tap water will shorten the Life of battery. Electrolyte is forbidden.

Use the battery with the same specification to replace old one.

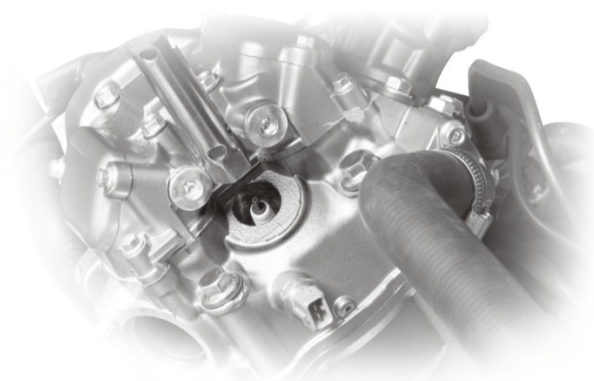


Attention:

To prevent short circuit, dismantle cathode(-) lead firstly and then dismantle anode. Ignition switch should be turned off at this time.

Air pipe in battery must follow the instruction on sign to be connected. It can not be bend or distort. Bending or distorting air pipe will increase pressure in battery and damage it.

Clean the columination of anode and cathode timely. Cleaning should be done while the battery is dismantled and make sure the columination of anode and cathode does not become flexible. To reduce discharge or creepage of motorcycle while it's been put for a long time, dismount battery from motorcycle and charge it. Leave the battery in drafty and shady place. Or battery can still be remained in motorcycle by disconnecting leads of anode and cathode.



How to choose spark plug

For your reference: NGK, CR8E.

Chinese make: NHSP, B8RC

We suggest using our original spark plug made in china by jialing.

Inspecting and Replacing of Spark Plug.

Remove the cap of spark plug and clean it. Dismount flash plug with the spanner in tool kit. Clean out the ash and dust on plug with steel wires.

Check whether there are damages on spark plug and whether the electrode is burned. Check whether the seal washer is in good condition. If any damages happen to above mentioned parts, please change the flash plug.

Use a gauge to check the gap between electrodes. Normal gap is between 0.7~0.8mm.

Using hand to make plug in correct position and then use a spanner to fix it when installing spark plug.



To maintain the good appearance, clean motorcycle timely and check whether there are any scratches, damage, leakage of oil or liquid.



Attention:

Following spare parts can not be washed by high pressure water otherwise it will cause damages to motorcycle.

Ignition switch, electronic switch, instrument, end of muffler, radiator.

After cleansing it, use plenty of water to rinse.

Dry the motorcycle and start the engine to make it run for several minutes. Lubricate driven chain.

Test the brake system to get it back into normal condition before driving on road.



Attention:

The brake may be reduced a little after motorcycle has been cleaned.

Storage of Motorcycle



Necessary measure is needed to be taken when storing motorcycle for a long periods such as more than one month in winter. This could minish effects on performance reducing during long time storage. In the other hand, maintenance need to be taken before storing motorcycle otherwise, you may forget the problems on motorcycle after long time storing. Wash up motorcycle and dry it. Pain the surface of whole body and cere it.

Dismount the battery and keep it in draught, dry and shady place. charge the tyre to required air pressure and raise the motorcycle to make front/rear wheel depart from ground.

Use a cloth or other ventilated materials to cover motorcycle.

First Using after Storage



Remove covers and clean the motorcycle.

Check the voltage of battery. If the voltage is below 12.3v, charge it slowly and then install it.

Check air pressure of tyres.

Check brake system.

Do other inspection for starting.

Inspect fress fuel and test motorcycle at safety place to see if motorcycle runs in good condition.

Dimension

Length	2210mm
Width	860mm
Height	1330mm
Wheelbase	1520mm
Ground Clearance	200mm
Curb Weight	210kg
Max Carrying Capacity	180kg
Front Tyre	100/90-19 57s
Rear Tyre	30/80-17 65s
Front Brake Type	Disc Type By Hand
Rear Brake Type	Disc Type By Foot
Fuel Tank Capacity	20l
Fuel Grade	93# Oil

-24-

Transmission System

Clutch Type	Coil Clutch
Clutch Operation System	Manual Mechanism
Transmission	5 Speed
Primary Decelerating Ratio	2.345
Decelerating Ratio	I : 2.571
	II : 1.647
	III: 1.200
	IV: 0.957
	V : 0.800
The Last Decelerating Ratio	3.000
Gearshift Method	Out And Home By Left Foot
	1-n-2-3-4-5

-25-

Engine**Engine**

Engine Type	Single Cylinder,sohc, Four-stroke,four-valve
Bore X Stroke (mm)	94mm × 85mm
Displacement (ml)	589.9ml
Compression Ratio	9.7:1
Max Power & Rotating Speed	30kw/6500 ± 500rpm
Max.torque & Rotating Speed	51n.m/4500 ± 500rpm
Valve Clearance	In: 0.09 ~ 0.14mm
(cold Condition)	Ex: 0.17 ~ 0.22mm
Air Filter	Oilpaper Filter
Net Weight Of Engine	49kg
Idling Speed	1500 ± 150rpm
Cooled Method	Water Cooled

-26-

Added Capacity Of Cooling Water	1.2l
Balance Method	Balance Axis
Lubrication	Pressure Splash
Oil Pump	Trochoid
Lubricating Oil Type	10w/40(sg Grade)
Added Capacity Of Lubricating Oil	2.3l
Transmission Method	Chain
Starting Type	Electric Starter
Fuel Supplying Method	Electric Injection, Ecu Controlling
Ignition	Ems
Ignition Advance Curve	Ems
Ignition Timing	Ems

-27-

Electric Equipments

Spark Plug

Type Made In China	Nhsp B8rc
Type For Reference	Ngk Cr8
Pole Clearance	0.7-0.8mm

Battery Specification

Battery With Lead Acid	12v14a · h
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Fuse Specification Of Circuit

Main Circuit	30a
Circuit Of Electric Injection System	20a
Circuit Of Engine	15a
Circuit Of Headlight	15a
Circuit Of Signal	15a

Bulb

Headlight	12v 35w/35w × 2
Front Parking Lights	12v 5w × 2
Stop Light / Rear Parking Light	12v 21w/5w
Front Turn Signal	12v 21w × 2
Rear Turn Signal	12v 21w × 2

